



Magnolia Public Schools

Ad-Hoc (Facility) Committee Meeting

Date and Time

Monday June 3, 2019 at 5:30 PM PDT

Location

MPS Home Office: 250 E. 1st St. Ste. 1500 Los Angeles, CA 90012

Access to the Meeting: Any interested parties or community members from remote locations may attend the meeting at the following addresses where the Board members are joining the meeting from or remotely using: 1.844.572.5683; 1948435

- MSA-SD: 6525 Estrella Ave. San Diego, CA 92120 (Dr. Salih Dikbas)
- 4701 Patrick Henry Dr. Bldg. #25, Santa Clara (Dr. Umit Yapanel)

In compliance with the Americans with Disabilities Act (ADA) and upon request, Magnolia Public Schools may furnish reasonable auxiliary aids and services to qualified individuals with disabilities. Individuals who require appropriate alternative modification of the agenda in order to participate in Board meetings are invited to contact the MPS central office. If you need special assistance to attend the meeting, please notify Barbara Torres at (213) 628-3634 x100 to make arrangements and accommodate your disability.

Any public records relating to an agenda item for an open session of the Board which are distributed to all, or a majority of all, of the Board members shall be available for public inspection at 250 East 1st Street Ste 1500 Los Angeles, CA 90012.

MPS Ad-Hoc Committee Members:

Mrs. Charlotte Brimmer, Chair
Dr. Umit Yapanel
Mr. Haim Beliak
Dr. Salih Dikbas
Dr. Saken Sherkhanov (Alternate)

CEO & Superintendent:

Mr. Alfredo Rubalcava

Agenda

	Purpose	Presenter	Time
I. Opening Items			05:30 PM
A. Call the Meeting to Order			1 m

B. Record Attendance and Guests			1 m
C. Pledge of Allegiance			1 m
D. Public Comments			1 m
E. Approval of Agenda	Vote		1 m
II. Closed Session			05:35 PM
A. Public Announcement of Closed Session	FYI	Charlotte Brimmer	1 m
B. Conference with Legal Counsel- Potential Litigation- 1 Matter	Discuss	Patrick Ontiveros	20 m
C. Report Out From Closed Session	FYI	Charlotte Brimmer	1 m
III. Action Items			05:57 PM
A. Approval of MSA-1 Owner Change Orders No. 6 and No. 7	Vote	Patrick Ontiveros	10 m
B. Approval of MSA-1 FF&E Order	Vote	Patrick Ontiveros	10 m
C. Selection of Contractor for Removal & Replacement of Existing Play Surface at MSA-7 and of Contract	Vote	Patrick Ontiveros	5 m
D. Approval of MSA-2 Work Order by LAUSD to Make Changes to the Fence and Install a New Gate	Vote	Patrick Ontiveros	5 m
E. Approval of Prop 39 LED Lighting Contract for MSA 2	Vote	Patrick Ontiveros	5 m
F. Approval of MSA 1 Dry Erase Paint Change Order	Vote	Patrick Ontiveros	10 m
IV. Closing Items			06:42 PM
A. Adjourn Meeting	Vote		

Cover Sheet

Approval of MSA-1 Owner Change Orders No. 6 and No. 7

Section: III. Action Items
Item: A. Approval of MSA-1 Owner Change Orders No. 6 and No. 7
Purpose: Vote
Submitted by:
Related Material: III A MSA-1 Change Order Requests 6 and 7.pdf
OCO #7 Rev - PCI 28_29_31_32_34_35.pdf



Ad Hoc Committee Agenda Item #:	III.A.—Action Item
Date:	June 3, 2019
To:	Magnolia Educational & Research Foundation dba Magnolia Public Schools (“ MPS ”) Ad Hoc Committee (the “ Committee ”)
From:	Alfredo Rubalcava, CEO & Superintendent
Staff Lead:	Patrick Ontiveros, General Counsel & Director of Facilities
RE:	MSA-1 Change Order Requests 6 and 7

I. Proposed Recommendation(s)

Staff recommends and moves that the Ad Hoc Committee approve change orders 6 and 7 presented by Oltmans Construction Co. (“**Oltmans**”) for the new construction project for the benefit of MSA-1 at 18220 Sherman Way (the “**Project**”).

II. Background

At the April 11, 2019 Meeting of the Board of Directors of MPS (the “**Board**”), the Board granted to the Ad Hoc Committee the authority to approve change order requests submitted for the Project. Oltmans was selected as the general contractor for the construction of the Project. Oltmans has submitted change orders 6 and 7 for approval. The total for change orders 6 and 7 is ~~\$125,668.94~~ **\$120,923.94**.

III. Change Order No. 6

Change order no. 6 consists of change order requests (referred to as “**PCIs**” by Oltmans) 24, 25, and 26. Change order requests (“**CORs**”) 24, 25, and 26 cover weather remediation work undertaken by Oltmans in response to the rains experienced in Los Angeles from November 2018 through and including February 2019. The work was self-performed by a division of Oltmans, “Oltmans Wall”. Summary information from the CORs is set forth below for ease of reference and review. Each COR provides a detailed listing of the number of workers and of the number of hours worked by the crews performing the work. Staff has reviewed the CORs and found them to be fair and reasonable and accurate descriptions of the work performed based on Staff observations and communications from Oltmans. A copy of Change Order 6 is attached as Exhibit A. *These change orders are appropriate under the Oltmans contract as they were exclusions in the scope of work. Because the basis of the Oltmans’s contract is a cost plus with a guaranteed maximum price, whether an allowance had been carried for weather mitigation measures or billed at the end*



of the mitigation activity, like here, the result would have been the same. The total cost of change order number 6 is **\$87,059**.

A. COR/PCI 24

Dates of work: 11/27/18, 11/28/18, 11/29/18, 11/30/18, 12/5/18, 12/6/18, 12/7/18, 12/8/18 and 12/10/18 [9 days]

Amount: The total amount of COR is **\$26,943** inclusive for labor and materials.

Scope of work: includes prepping the site and building for rain, installing plastic protection; rain observation and clean-up and removal of plastic upon the cessation of rain.

B. COR/PCI 25

Dates of work: 1/5/19, 1/6/19, 1/7/19, 1/8/19, 1/14/19, 1/21/19 [6 days]

Amount: The total amount of COR is **\$33,125** inclusive for labor and materials.

Scope of work: includes installation of protection at south property line with neighbor, including build temp protection, build handrail, install sandbag and berm and cover; sweep and pump water off jobsite to avoid water damage

C. COR/PCI 26

Dates of work: 1/31/19, 2/1/19, 2/4/19, 2/5/19, 2/6/19, 2/11/19, 2/13/19, 2/14/19, 2/15/19, 2/18/19 [10 days]

Amount: The total amount of COR is **\$26,991** inclusive for labor and materials.

Scope of work: monitoring rain, checking that everything in the building is protected, pumping water from the parking lot and by neighbor fences as requested by MPS and sweep water off of building.

IV. Change Order No. 7

Change order no. 7 consists of CORs/PCIs 28, 29, 31, 32, ~~33~~, and 34 **and 35 and the total cost is \$33,864.94**. Each COR/PCI is explained below. Change order no. 7 with all associated CORs/PCIs is attached as Exhibit B.

A. PCI 28

This COR was deductive in the amount of **\$20,288.06**. MPS accepted the change order request which changed the drywall finish from a level 5 to a level 4. In a few locations a level 5 finish was retained.



B. PCI 29

This COR is additive in the amount of **\$4,910** and substitutes Fibermesh for standard wire mesh on the roof deck. A credit for the substation in the amount of \$6,995 was received. The Fibermesh product is a superior product to simple wire mesh. In order to provide a sound roof deck this project was recommended for among other reasons its superior durability and impact, shatter and abrasion resistance.

C. PCI 31

This COR is additive in the amount of **\$5,907**. In order to provide power to the parking lot to the rear of the new building LADWP requires that MPS install a new power pole. This is an LADWP requirement in order to provide power to the parking lot.

D. PCI 32

This COR is additive in the amount of **\$30,001** and tracks the changes issued in Bulletins 4 and 5 and additional RFIs 50, 52, 78, and 147. A "bulletin" in architectural terms is used to issue changes AFTER bid proposals are submitted by the bidding contractors, and probably AFTER the contract is signed between the owner and the successful bidder. Revisions issued via a Bulletin may have cost impact. In this case, the changes are associated with the roof redesign although there are three that are not related to the roof, namely: substituting wall mounted lights for lights on poles, a fire extinguisher model number change and a credit for doors and frames. As a reminder, the roof and outdoor deck were redesigned to provide greater resistance from water infiltration. The Board previously approved a water proof coating. See attached Exhibit C. The purpose of the changes in bulletins 4 and 5 are to provide a more robust system to prevent water infiltration and meet the requirements to preserve the warranty for the roof.

E. PCI 34

This COR is additive in the amount of **\$11,340**. This change order adds an emergency gas shut-off valve in chemistry lab room 201. The shut off valve is required by the City Inspector.

F. PCI 35

This COR is additive in the amount of ~~\$1,840~~ **\$1,995**. This change order arises because a drain pipe shaft was eliminated in bio lab room 202. As a consequence the millwork needs to be extended. See attached Exhibit D.

V. Budget Impacts

The total cost of Change Orders 6 and 7 is ~~\$125,668.94~~ **\$120,923.94** which will be paid from the contingency carried for the Project. The present contingency budget balance is approximately **\$381,731** **\$381,886**. Therefore, these change orders collectively would reduce the contingency to approximately ~~\$294,673~~ **\$260,962**. The current Project Budget is as follows:



TOTAL PROJECT BUDGET					
CATEGORIES	14-Feb-19	21-Mar-19	21-May-19	PAID TO DATE	REMAINING TO BE PAID
Acquisition Costs	3,832,260	3,832,260	3,832,260	3,832,260	-
Hard Costs	8,527,158	8,527,158	8,749,316	3,489,837	5,225,769
Soft Costs	950,078	950,241	955,012	820,800	134,212
Financing Costs	55,000	57,395	57,395	37,395	20,000
Management Costs	333,312	333,312	333,312	333,312	-
Contingencies	490,450	487,892	260,962 ⁽¹⁾⁽²⁾	-	260,962
	14,188,258	14,188,258	14,188,258	8,448,167	5,740,091

Notes:

- (1) Takes into account previously approved change orders and change orders 6 and 7.
- (2) Does not take into account cost savings of approximately \$100,000 expected to be realized from FF&E line item or possible savings from Low Voltage allowance of \$220,000.

Exhibits (attachments):

- A. Oltmans Change Order 6
- B. Oltmans Change Order 7
- C. Board Approval of Roof Deck Coating at March 12, 2019 Meeting
- D. Elevation of Bio Lab Room 202 Showing Elimination of Pipe and Extension of Millwork



Ad Hoc Committee Agenda Item #:	II A- Action Item
Date:	May 28, 2019
To:	Magnolia Educational & Research Foundation dba Magnolia Public Schools (" MPS ") Ad Hoc Committee (the " Committee ")
From:	Alfredo Rubalcava, CEO & Superintendent
Staff Lead:	Patrick Ontiveros, General Counsel & Director of Facilities
RE:	MSA-1 Change Order Requests 6 and 7

I. Proposed Recommendation(s)

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A. COR/PCI 24

Dates of work: 11/27/18, 11/28/18, 11/29/18, 11/30/18, 12/5/18, 12/6/18, 12/7/18, 12/8/18 and 12/10/18 [9 days]

Amount: The total amount of COR is **\$26,943** inclusive for labor and materials.

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Exhibits (attachments):

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Exhibit A

Oltmans Change Order 6

(see following pages)



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

OWNER CHANGE ORDER
NO.: 006

TITLE:	PCI #24, 25 ,26 - Weather Remediation	DATE:	05/01/2019
PROJECT:	Magnolia Science Academy	PROJECT NO.:	18049
TO:	Magnolia Educational and Research Foundation 250 E. 1st St., 1500 Los Angeles, CA	CONTRACT:	18049

We are requesting approval of Owner Change Order #006 which incorporates the following PCIs:

PCI #	Description	Amount
PCI024	Weather Remediation December (JWO #6 & #7)	\$ 26,943.00
PCI025	Weather Remediation January (JWO #9 - 11)	\$ 33,125.00
PCI026	Weather Remediation February (JWO #12 - 14)	\$ 26,991.00
Total:		\$ 87,059.00

The Original Contract Sum was	\$ 7,392,479.00
Net Change by Previously Authorized Requests and Changes	\$ 365,621.00
The Contract Sum Prior to This Change Order was	\$ 7,758,100.00
The Contract Sum will be Increased	\$ 87,059.00
The New Contract Sum Including This Change Order	\$ 7,845,159.00
The Contract Time Will Not Be Changed	
The Date of Substantial Completion as of This Change Order therefore is	07/02/2019

ACCEPTED:

Oltmans Construction Co.
By: 
Trevor Lawton, Project Manager

Magnolia Educational and Research Foundation
By: _____

Date: _____

Date: _____



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM
PCI024

TITLE: Weather Remediation December (JWO #6 & #7)

DATE: 03/11/2019

PROJECT: Magnolia Science Academy

PROJECT NO.: 18049

TO:

Magnolia Educational and Research Foundation
250 E. 1st St., 1500
Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment required for weather remediation including rain preparation and clean up. The building had to be completely covered in plastic for the rain events and water had to be pumped after the rain event.

The added costs include:

_JWO #6 - Weather Preparation & Weather Remediation 11/27/18- 12/04/18 \$17,021

_JWO #7 - Weather Preparation & Weather Remediation 12/5/18 - 12/10/18 \$7,859

This PCI excludes any items not identified above.

Vendor	Description	Amount
Oltmans Drywall/Door	Rough Carpentry - JWO 6 Weather Remediation	16,165.00
	SUBTOTAL:	16,165.00
	SWPPP M - JWO 6 Weather Remediation	856.00
	SWPPP M,E - JWO 7 Weather Remediation	591.00
	Rough Carpentry - JWO 7 Weather Remediation	7,268.00
	Bond	204.00
	Gross Tax	33.00
	GL	242.00
	SDI	312.00
	Fee	1,272.00
	SUBTOTAL:	10,778.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		26,943.00

APPROVAL:

Oltmans Construction Co.

BY: Trevor Lawton

DATE:

APPROVAL:

Magnolia Educational and Research

BY:

DATE:

Oltmans

CONSTRUCTION CO.Project: **Magnolia Science Academy**Job #: **18049**JWO #: **6**JWO Date: **11-27 thru 12-4-2018**Description: **Rain / plastic protection: 11/27 plastic protection installation 10 men, 11/28 plastic, plywood protection and rain prep 12 men, 11/29 rain observation & clean up 2 men, 11/30 rain clean up & removal of plastic to air dry, 2 men.**By: **Jeff Rich**PM: **Trevor Lawton**Date Entered: **3/11/19 - EL**

	Description	Qty.	Labor Rate	Equip/ Mat'l. Rate	Labor	Equip/ Mat'l.
Classifications						
1	install plastic / tape		hrs			\$0.00
2	11/27/18 OCCO wall 10 men (8 hrs/ea) = 80 hrs		hrs			\$0.00
3	Journeyman	80.0	hrs			\$0.00
4			hrs			\$0.00
5	11/28/2018 OCCO Wall 12 men (5 hrs/ea) = 60 hrs		hrs			\$0.00
6	Journeyman	60.0	hrs			\$0.00
7	11/29/2018 OCCO Wall 2 men (8 hrs/ea) = 16 hrs		hrs			\$0.00
8	Journeyman	16.0	hrs			\$0.00
9	11/30/2018 OCCO Wall 2 men (5.5 hrs/ea) = 11 hrs		hrs			\$0.00
10	Journeyman	11.0	hrs			\$0.00
	Foreman					\$0.00
		TOTAL	167.0	hr		

Equipment / Materials						
1	Visqueen plastic (Yard)	6.0		71.00		\$426.00
2	tape (yard)	12.0		8.83		\$105.96
3	Sand (yard)	50.0		2.20		\$110.00
4	Gravel (yard)	50.0		2.73		\$136.50
						\$0.00
						\$0.00
<i>Subtotals</i>						\$0.00
Small Tools					1.50%	\$0.00
<i>Subtotal</i>						\$0.00
Labor Burden					41.50%	\$0.00
Material & Equipment						\$778.46
<i>Subtotal</i>						\$778.46
Liability Insurance					0.00%	\$0.00
<i>Subtotal</i>						\$778.46
Self-Performed OH&P					10.00%	\$77.85
TOTAL						\$856.31

Subcontractor:

OCCO Wall Material & Labor EWO #15 \$ 13,612.11

OCCO Wall Material & Labor EWO #17 \$ 2,553.00

Total: \$ 16,165.11**JWO TOTAL including Subcontractor: \$17,021.42****IMPORTANT:**

When JWO is approved, notify the estimator so the Labor and Material Report can be updated.

Oltmans

CONSTRUCTION CO.Project: **Magnolia Science Academy**Job #: **18049**JWO #: **7**JWO Date: **12/5 and 12/10**

Description: **Rain delay - 2 days. Weather Remediation: Rain prep and clean up: 12/5 - 12/6** Two men for two days, both days the men worked 4 hours. They were trying to keep the water from submersing the entire project. **Weather clean up: 12/7 - 12/10.**

By: **Jeff Rich**PM: **Trevor Lawton**

Date Entered:

Description	Qty.	Labor Rate	Equip/ Mat'l. Rate	Labor	Equip/ Mat'l.
Classifications					
1		hrs		\$0.00	
2	Rain delay 2 days 12/5 and 12/10. Rain Prep & Clean Up:			\$0.00	
3	12/5/18 OCCO Wall 2 men (4 hrs/ea) = 8 hrs	hrs		\$0.00	
4	Journey men	8.0 hrs		\$0.00	
5	12/6/18 OCCO Wall 2 men (4 hrs/ea) = 8 hrs			\$0.00	
6	Journey men	8.0 hrs		\$0.00	
7	12/7/18 OCCO Wall # men (X hrs/ea) = X hrs			\$0.00	
8	Journey men	24.0 hrs		\$0.00	
9	12/8/18 OCCO Wall # men (X hrs/ea) = X hrs			\$0.00	
10	Journey men	24.0 hrs		\$0.00	
11	12/10/18 OCCO Wall # men (X hrs/ea) = X hrs			\$0.00	
12	Journey men	8.0 hrs		\$0.00	
13		0.0 hrs		\$0.00	
TOTAL		72.0 hr			

Equipment / Materials					
1	Plastic (JR)	1.0		145.00	\$145.00
2	tape (JR)	1.0		8.83	\$8.83
3	2 squeegee's (Yard)	2.0		17.75	\$35.50
4	2 shop vacs (JR)	2.0		108.00	\$216.00
5	3/4" submersible water pump (Yard)	3.0		20.00	\$60.00
6	Rope and tarp (homedepot 12/21/18)	1.0		72.14	\$72.14
7					\$0.00
8	No Driver Fees				\$0.00
					\$0.00
<i>Subtotals</i>					\$0.00
Small Tools				1.50%	\$0.00
<i>Subtotal</i>					\$0.00
Labor Burden				41.50%	\$0.00
Material & Equipment					\$537.47
<i>Subtotal</i>					\$537.47
Liability Insurance				0.00%	\$0.00
<i>Subtotal</i>					\$537.47
Self-Performed OH&P				10.00%	\$53.75
TOTAL					\$591.22

SUBCONTRACTOR:

OCCO Wall EWO #20 - Labor & Material \$ 5,906.00

OCCO Wall EWO #21 - Labor & Material \$ 1,362.00

Subcontractor Total: \$ 7,268.00**TOTAL \$7,859.22****IMPORTANT:**

When JWO is approved, notify the estimator so the Labor and Material Report can be updated.

Elizabeth Lara

Subject: FW: Magnolia Science Academy Rain Day 12/5/18

From: Trevor Lawton <TrevorL@oltmans.com>
Sent: Wednesday, December 5, 2018 6:55 AM
To: Patrick Ontiveros <pontiveros@magnoliapublicschools.org>
Cc: Jeff Rich <JeffR@oltmans.com>; Elizabeth Lara <ElizabethL@oltmans.com>
Subject: Magnolia Science Academy Rain Day

Good morning Patrick,

Due to the heavy rains last night and today, we have a rain delay day today. We will track and update you accordingly. FYI, as of now, rain is anticipated to occur tomorrow as well.

Thank you,

Trevor Lawton, CESSWI, QSP
Project Manager

Oltmans Construction Co.

10005 Mission Mill Road
Whittier, California 90601
T 562.948.4242, Ext. 3459
C 916.276.7666
F 562.695.5299
trevorl@Oltmans.com
www.Oltmans.com



Oltmans Wall

Date: **11/27/2018**

Project: **Magnolia Academy DW - 18161**

Attn:
Oltmans Construction Co.
 10005 Mission Mill Road
 Whittier, CA 90601

Extra Work Order No. **15** REV

Description of work performed as a change to the contract: Material, Equipment, and Labor to waterproof floor using plastic to avoid damage to plywood deck and plywood shear walls. Plastic was draped on all 4 sides of the building, elevator pit, and skylights as directed by Oltmans Superintendent.

**Oltmans Superintendent's Authorization to proceed:* _____

LABOR RATES	Straight Hours	Base Rate*	OT Hours	Overtime	Premium Hrs	Premium time	Total
Superintendent		\$107.00		\$160.00		\$55.25	\$ -
Foreman	16	\$76.00		\$116.00		\$40.20	\$ 1,216.00
Carpenter	130	\$74.00		\$114.00		\$37.85	\$ 9,620.00
Labor Total		\$10,836.00					

*All Labor Rates include base rate, taxable benefits, insurance, workers comp, and other SUI Union Fringe Benefits.

Material	Piece count	Amount used	Price	Total
Material Purchased for Rain Protection:	EA			\$ -
Visqueen	BOX			\$ -
Duct tape/stago tape	BOX			\$ -
hammer tackers				\$ -
staples	LF			\$ -
rain suits	BOX			\$ -
Adhesive	LF			\$ -
	LF			\$ -
Invoice	EA	1	922.410	\$ 922.41
			0.000	\$ -
			0.000	\$ -
			0.000	\$ -
Material Total				\$ 922.41

Subcontractor Total	\$0.00	Material Total	\$	922.41
OH&P on Subcontractor	\$0.00	Tax	9.75%	\$ 89.93
Labor Total	\$10,836.00	OH&P	15%	\$ 1,763.76

Grand Total \$13,612.11

****Oltmans Superintendant's Labor and Material Verification:** _____

Oltmans Wall Representative: _____

*Oltmans Superintendant's signature is required to direct Oltmans Wall to proceed with work outside contract scope.

**Oltmans Superintendant's signature is required to verify hours worked and material used on work outside contract scope.



Oltmans Wall

Date: Nov 27, 28, 2018

Project: MSA (18161.011)

Attn:
Oltmans Construction Co.
10005 Mission Mill Road
Whittier, CA 90601

Extra Work Order No.

Description of work performed as a change to the contract:

Self Risk (Superintendent) instructed to plastic and water proof floor to avoid damage to plywood deck and plywood shear walls. Plastic was draped on all 4 sides of building, elevator pit and skylights prior to the second floor deck pour.

Create Room

OK for 2/24/2019
Duo #6.

*Oltmans Superintendent's Authorization to proceed: _____

LABOR RATES	Straight Hours	Saturday Hours	Sunday Hours	Premium time
Superintendent				
Foreman <i>Paul M... 16</i>	16			
Carpenter <i>10 mon. 130</i>	130			

*All Labor Rates include base rate, taxable benefits, insurance, workers comp, and other SUI Union Fringe Benefits.

Material	Piece count	Amount used
<i>Visqueen</i>		Material Purchased for Rain Protection: Visqueen Duct tape/stago tape hammer tackers staples rain suits Adhesive
<i>Duct tape (stago type)</i>		
<i>Hammer tackers</i>		
<i>Staples</i>		
<i>Rain suits</i>	2	

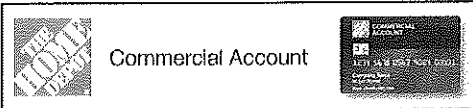
**Oltmans Superintendent's Labor and Material Verification: _____

Oltmans Wall Representative: _____

*Oltmans Superintendent's signature is required to direct Oltmans Wall to proceed with work outside contract scope.

**Oltmans Superintendent's signature is required to verify hours worked and material used on work outside contract scope.

INVOICE DETAIL



Remit payment and make checks payable to:
 HOME DEPOT CREDIT SERVICES
 DEPT. 32 - 2503455770
 PO BOX 78047
 PHOENIX, AZ 85062-8047

577018

BILL TO:

Amount Due:	Trans Date:	DUE DATE:	Invoice #:
\$413.65	11/27/18	01/11/19	7083061
PO: 1816101		Store: 6661, VAN NUYS, CA	

PRODUCT	SKU #	QUANTITY	UNIT PRICE	TOTAL PRICE
20'X100' 6MIL CLEAR POLY SHEETING	00009389630001000010	1.0000 EA	\$94.00	\$94.00
20'X100' 6MIL CLEAR POLY SHEETING	00009389630001000010	1.0000 EA	\$94.00	\$94.00
3M MULTI USE DUCT 2PK	10025929260000500004	1.0000 EA	\$6.97	\$6.97
3M MULTI USE DUCT 2PK	10025929260000500004	1.0000 EA	\$6.97	\$6.97
20'X100' 6MIL CLEAR POLY SHEETING	00009389630001000010	1.0000 EA	\$94.00	\$94.00
1.89 IN. X 30 YDS. STUCCO TAPE	10017224360000500006	1.0000 EA	\$7.47	\$7.47
3 PIECE RAINSUIT LARGE	00002777770000500013	1.0000 EA	\$25.97	\$25.97
1.89 IN. X 30 YDS. STUCCO TAPE	10017224360000500006	1.0000 EA	\$7.47	\$7.47
1.89 IN. X 30 YDS. STUCCO TAPE	10017224360000500006	1.0000 EA	\$7.47	\$7.47
1.89 IN. X 30 YDS. STUCCO TAPE	10017224360000500006	1.0000 EA	\$7.47	\$7.47
3 PIECE RAINSUIT LARGE	00002777770000500013	1.0000 EA	\$25.97	\$25.97

Purchased by: HECK TIM
 Customer #: 00165

SUBTOTAL	\$377.76
TAX	\$35.89
TOTAL	\$413.65

BILL TO:

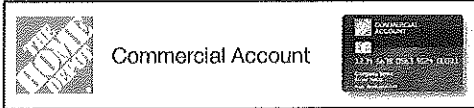
Amount Due:	Trans Date:	DUE DATE:	Invoice #:
\$425.70	11/27/18	01/11/19	7083115
PO: 18161		Store: 6661, VAN NUYS, CA	

PRODUCT	SKU #	QUANTITY	UNIT PRICE	TOTAL PRICE
20'X100' 6MIL CLEAR POLY SHEETING	00009389630001000010	1.0000 EA	\$94.00	\$94.00
20'X100' 6MIL CLEAR POLY SHEETING	00009389630001000010	1.0000 EA	\$94.00	\$94.00
SCOTCH 2 RED DUCT TAPE	00007006430000500004	1.0000 EA	\$6.97	\$6.97
SCOTCH 2 RED DUCT TAPE	00007006430000500004	1.0000 EA	\$6.97	\$6.97
SCOTCH 2 RED DUCT TAPE	00007006430000500004	1.0000 EA	\$6.97	\$6.97
20'X100' 6MIL CLEAR POLY SHEETING	00009389630001000010	1.0000 EA	\$94.00	\$94.00
SCOTCH 2 RED DUCT TAPE	00007006430000500004	1.0000 EA	\$6.97	\$6.97
3M LOW VOC HIGH 90 ADH 17.6 OZ	10024717560000400005	1.0000 EA	\$12.99	\$12.99
SCOTCH 2 RED DUCT TAPE	00007006430000500004	1.0000 EA	\$6.97	\$6.97
SCOTCH 2 RED DUCT TAPE	00007006430000500004	1.0000 EA	\$6.97	\$6.97

continued



INVOICE DETAIL



Remit payment and make checks payable to:
 HOME DEPOT CREDIT SERVICES
 DEPT. 32 - 2503455770
 PO BOX 78047
 PHOENIX, AZ 85062-8047

Invoice #:
7083115
 continued

PRODUCT	SKU #	QUANTITY	UNIT PRICE	TOTAL PRICE
3M LOW VOC HIGH 90 ADH 17.6 OZ	10024717560000400005	1.0000 EA	\$12.99	\$12.99
3M LOW VOC HIGH 90 ADH 17.6 OZ	10024717560000400005	1.0000 EA	\$12.99	\$12.99
3M LOW VOC HIGH 90 ADH 17.6 OZ	10024717560000400005	1.0000 EA	\$12.99	\$12.99
3M LOW VOC HIGH 90 ADH 17.6 OZ	10024717560000400005	1.0000 EA	\$12.99	\$12.99
SUBTOTAL				\$388.77
TAX				\$36.93
TOTAL				\$425.70

BILL TO:

Amount Due:	Trans Date:	DUE DATE:	Invoice #:
\$170.69	11/27/18	01/11/19	7090634
PO:		Store: 6661, VAN NUYS, CA	

PRODUCT	SKU #	QUANTITY	UNIT PRICE	TOTAL PRICE
3M LOW VOC HIGH 90 ADH 17.6 OZ	10024717560000400005	12.0000 EA	\$12.99	\$155.88
SUBTOTAL				\$155.88
TAX				\$14.81
TOTAL				\$170.69

CONTINUED

577019





Oltmans Wall

Date: 11/29/2018

Project: Magnolia Academy DW - 18161

Attn:
Oltmans Construction Co.
 10005 Mission Mill Road
 Whittier, CA 90601

Extra Work Order No. 17

Description of work performed as a change to the contract: Material, Equipment, and Labor to sweep water from plastic-covered areas due to rain to avoid puddling, leaks, freezing, and damage to material as directed by Oltmans Superintendent.

***Oltmans Superintendent's Authorization to proceed:** _____

LABOR RATES	Straight Hours	Base Rate*	OT Hours	Overtime	Premium Hrs	Premium time	Total
Superintendent		\$107.00		\$160.00		\$55.25	\$ -
Foreman		\$76.00		\$116.00		\$40.20	\$ -
Carpenter	30	\$74.00		\$114.00		\$37.85	\$ 2,220.00
Labor Total	\$2,220.00						

*All Labor Rates include base rate, taxable benefits, insurance, workers comp, and other SUI Union Fringe Benefits.

Material	Piece count	Amount used	Price	Total
MST 60	EA		25.960	\$ -
2 1/2 x .148 Nails	BOX		145.000	\$ -
3 1/4 x .148 Nails	BOX		136.000	\$ -
CMST 12	LF		7.350	\$ -
Sawzall Blade	BOX		25.970	\$ -
Wood 2x6	LF		0.588	\$ -
Wood 2x8	LF		0.699	\$ -
			0.000	\$ -
			0.000	\$ -
			0.000	\$ -
			0.000	\$ -
Material Total				\$ -

Subcontractor Total	\$0.00	Material Total	\$ -
OH&P on Subcontractor	\$0.00	Tax	9.75% \$ -
Labor Total	\$2,220.00	OH&P	15% \$ 333.00

Grand Total \$2,553.00

****Oltmans Superintendent's Labor and Material Verification:** _____

Oltmans Wall Representative: _____

*Oltmans Superintendent's signature is required to direct Oltmans Wall to proceed with work outside contract scope.
 **Oltmans Superintendent's signature is required to verify hours worked and material used on work outside contract scope.



Oltmans Wall

Date: Nov 29, 30, 2018

Project: MSA (18161.01)

Attn:
Oltmans Construction Co.
10005 Mission Mill Road
Whittier, CA 90601

Extra Work Order No.

Description of work performed as a change to the contract:

Jeff Rich (Superintendent) instructed to have the water from rain to be swept off plastic and swept off concrete floor to avoid puddling and leaks through plastic in order to protect the felt paper for concrete pour on 2nd floor deck. Also to avoid water sitting against bottom plates of all walls.

OK for 2/29/2019

*Oltmans Superintendent's Authorization to proceed: _____

Two #6

LABOR RATES	Straight Hours	Saturday Hours	Sunday Hours	Premium time
Superintendent				
Foreman				
Carpenter	30			

*All Labor Rates include base rate, taxable benefits, insurance, workers comp, and other SUI Union Fringe Benefits.

Material	Piece count	Amount used

**Oltmans Superintendent's Labor and Material Verification: _____

Oltmans Wall Representative: _____

*Oltmans Superintendent's signature is required to direct Oltmans Wall to proceed with work outside contract scope.

**Oltmans Superintendent's signature is required to verify hours worked and material used on work outside contract scope.



Oltmans Wall

Date: 12/7/2018

Project: Magnolia Academy DW - 18161

Attn:
Oltmans Construction Co.
 10005 Mission Mill Road
 Whittier, CA 90601

Extra Work Order No. 20

Description of work performed as a change to the contract: Material, Equipment, and Labor to waterproof floor using plastic to avoid damage to plywood deck and plywood shear walls as directed by Oltmans Superintendent.

***Oltmans Superintendent's Authorization to proceed:** _____

LABOR RATES	Straight Hours	Base Rate*	OT Hours	Overtime	Premium Hrs	Premium time	Total
Superintendent		\$107.00		\$160.00		\$55.25	\$ -
Foreman	8	\$76.00	8	\$116.00		\$40.20	\$ 1,536.00
Carpenter	24	\$74.00	16	\$114.00		\$37.85	\$ 3,600.00
Labor Total	\$5,136.00						

*All Labor Rates include base rate, taxable benefits, insurance, workers comp, and other SUI Union Fringe Benefits.

Material	Piece count	Amount used	Price	Total
MST 60	EA		25.960	\$ -
2 1/2 x .148 Nails	BOX		145.000	\$ -
3 1/4 x .148 Nails	BOX		136.000	\$ -
CMST 12	LF		7.350	\$ -
Sawzall Blade	BOX		25.970	\$ -
Wood 2x6	LF		0.588	\$ -
Wood 2x8	LF		0.699	\$ -
			0.000	\$ -
			0.000	\$ -
			0.000	\$ -
			0.000	\$ -
Material Total				\$ -

Subcontractor Total	\$0.00	Material Total	\$ -
OH&P on Subcontractor	\$0.00	Tax	9.75% \$ -
Labor Total	\$5,136.00	OH&P	15% \$ 770.40

Grand Total \$5,906.40

****Oltmans Superintendent's Labor and Material Verification:** _____

Oltmans Wall Representative: _____

*Oltmans Superintendent's signature is required to direct Oltmans Wall to proceed with work outside contract scope.
 **Oltmans Superintendent's signature is required to verify hours worked and material used on work outside contract scope.



Oltmans Wall

Date: 12/5/2018

Project: Magnolia Academy DW - 18161

Attn:
Oltmans Construction Co.
 10005 Mission Mill Road
 Whittier, CA 90601

Extra Work Order No. 21

Description of work performed as a change to the contract: Material, Equipment, and Labor to waterproof floor using plastic to avoid damage to plywood deck and plywood shear walls as directed by Oltmans Superintendent.

***Oltmans Superintendent's Authorization to proceed:** _____

LABOR RATES	Straight Hours	Base Rate*	OT Hours	Overtime	Premium Hrs	Premium time	Total
Superintendent		\$107.00		\$160.00		\$55.25	\$ -
Foreman		\$76.00		\$116.00		\$40.20	\$ -
Carpenter	16	\$74.00		\$114.00		\$37.85	\$ 1,184.00
Labor Total	16						\$ 1,184.00

*All Labor Rates include base rate, taxable benefits, insurance, workers comp, and other SUI Union Fringe Benefits.

Material	Piece count	Amount used	Price	Total
MST 60	EA		25.960	\$ -
2 1/2 x .148 Nails	BOX		145.000	\$ -
3 1/4 x .148 Nails	BOX		136.000	\$ -
CMST 12	LF		7.350	\$ -
Sawzall Blade	BOX		25.970	\$ -
Wood 2x6	LF		0.588	\$ -
Wood 2x8	LF		0.699	\$ -
			0.000	\$ -
			0.000	\$ -
			0.000	\$ -
			0.000	\$ -
Material Total				\$ -

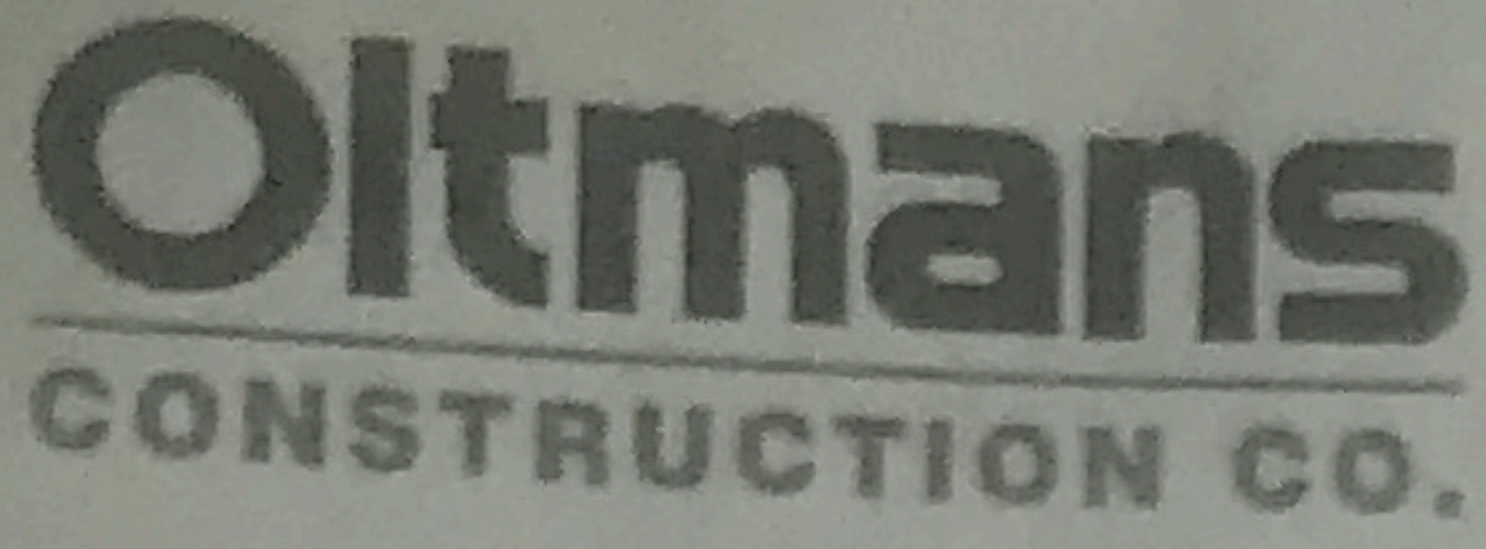
Subcontractor Total	\$0.00	Material Total	\$	-
OH&P on Subcontractor	\$0.00	Tax	9.75%	\$
Labor Total	\$1,184.00	OH&P	15%	\$ 177.60

Grand Total \$1,361.60

****Oltmans Superintendent's Labor and Material Verification:** _____

Oltmans Wall Representative: _____

*Oltmans Superintendent's signature is required to direct Oltmans Wall to proceed with work outside contract scope.
 **Oltmans Superintendent's signature is required to verify hours worked and material used on work outside contract scope.



Oltmans Wall

Date: December 5, 2018

Project: MSA (18161.01)

Attn:
Oltmans Construction Co.
10005 Mission Mill Road
Whittier, CA 90601

Extra Work Order No.

Description of work performed as a change to the contract:

Protecting project from rain damage
2 men for 8 hours. 16 total hours.
Balbino Villagomez (journeyman)
Juan Angel Villasebor (journeyman)

*Oltmans Superintendant's Authorization to proceed: _____

LABOR RATES	Straight Hours	Saturday Hours	Sunday Hours	Premium time
Superintendant				
Foreman				
Carpenter	16			

*All Labor Rates include base rate, taxable benefits, insurance, workers comp, and other SUI Union Fringe Benefits.

Material	Piece count	Amount used

**Oltmans Superintendant's Labor and Material Verification: _____

Oltmans Wall Representative: _____

*Oltmans Superintendant's signature is required to direct Oltmans Wall to proceed with work outside contract scope.
**Oltmans Superintendant's signature is required to verify hours worked and material used on work outside contract scope.

Jeff R.
P&W Equipment

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More saving.
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ISSA.KHOURY@HOMEDEPOT.COM (818)7805448
16800 ROSCOE BLVD. VAN NUYS, CA 91406

6661 00013 09913 (12/21/18) 08:37 AM
SELF CHECK OUT

030699731244	POLY ROPE <A>	
	1/4"X100' ALL PURPOSE POLY ROPE	
	207.96	15.92
874335000710	12X16 TARP <A>	34.98
	12'X16' HVY DTY SILVER/BROWN TAR	
874335000697	8 X10 TARP <A>	14.98
	8'X10' HVY DUTY SILVER/BROWN TARP	

SUBTOTAL	65.88
SALES TAX	6.26
TOTAL	\$72.14

XXXXXXXXXXXX5770 HOME DEPOT 72.14
AUTH CODE 021871/3131509 TA

OLTMANS CONSTRUCTION CO
RICH JEFFREY

PRO XTRA MEMBER STATEMENT

PRO XTRA ###-###-4242 SUMMARY
THIS RECEIPT PO/JOB NAME: 18049

PRO XTRA SPEND THIS VISIT:	\$65.88
2018 PRO XTRA SPEND 12/20:	\$218,530.15
INCLUDES:	
Pro Xtra Paint 2018 Savings	\$2.70

As of 12/21/2018 your Paint Rewards level is Bronze; Spend 1624.83 more in qualifying paint purchases to earn Silver (15.0% off) on select paint items.

This purchase qualifies for FUEL DISCOUNTS and 60 DAYS TO PAY on The Home Depot Commercial Credit Card. Ask an Associate to learn more or go to homedepot.com/financeoptions.



6661 13 09913 12/21/2018 4653

RETURN POLICY DEFINITIONS		
POLICY ID	DAYS	POLICY EXPIRES ON
A	11	365 12/21/2019

DID WE NAIL IT?

Take a short survey for a chance TO WIN
A \$10,000 HOME DEPOT GIFT CARD

Opine en español

www.homedepot.com/survey

User ID: H8B 26776 20128
PASSWORD: 18621 20115

Entries must be completed within 14 days of purchase. Entrants must be 18 or older to enter. See complete rules on the website. No purchase necessary.



01 - Oltmans Construction Co.
PROJECT MANAGEMENT - DAILY JOURNAL
Project 18049 - Magnolia Science Academy

Page: 1 of 6
 Date: 03/04/2019
 Time: 10:00 AM PST

Journal ID: DJ-113

DATE: 11/27/2018

Job: 18049

Low Temperature: 59

Precipitation: 0

Sky: Clear

High Temperature: 79

Rain Day: N

Wind: 0 to 15 mph

General:

Activities

Rain delay work has begun. We now have a rain delay starting today. We have 40 - 50% chance of rain tomorrow evening. It ups to 100% for Thursday. We now have a 40% chance of rain on Saturday.

The concrete pour scheduled for Thursday this week has been pushed to Tuesday 4th of next week.

OCCO wall on site. They completed all of the required inspections for diaphragm nailing yesterday. They are ready to get the concrete poured. This morning they will nail and screw down all of the plate needed to pour to. The required felt paper will then be applied to the deck.

OCCO wall has been directed to cover the entire structure with plastic to prevent damage from the rain.

OCCO Wall had 4 men 8 hours on felt paper. OCCO Concrete cost.

OCCO Wall had Tommy on layout all day.

OCCO Wall had 10 men 8 hours on plastic install. See JWO

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/04/2019

Journal ID: DJ-114

DATE: 11/28/2018

Job: 18049

Low Temperature: 59

Precipitation: 0

Sky: AM Overcast

High Temperature: 78

Rain Day: N

Wind: 0 to 10 mph

General:

Activities

Foggy morning. Very light moisture in the air. Almost feels and smells like rain. Cleared up very nicely late in the morning. Sunny and clear. 100% chance of rain tonight into tomorrow.

OCCO Wall on site with 10 men for 5 hours to complete all plastic and button things up for the rain.

OCCO Wall had two men on site covering up the plywood on site / yard 5 hours. See JWO.



01 - Oltmans Construction Co.
PROJECT MANAGEMENT - DAILY JOURNAL
Project 18049 - Magnolia Science Academy

Page: 2 of 6
 Date: 03/04/2019
 Time: 10:00 AM PST

Trevor electrician on site. T-stats installs. Trevor will cover their pile of dirt for the rain.

Certified By: Oltmans Construction Co.

Signed: _____
 Jeff Rich

Date: 03/04/2019

Journal ID: DJ-115

DATE: 11/29/2018

Job: 18049

Low Temperature: 48

Precipitation: 1

Sky: 80% Rain

High Temperature: 62

Rain Day: Y

Wind: 0 to 15 mph

General:

Activities

Rain, rain, and more rain.

All subs are off site and not working.

OCCO Wall providing two laborers for rain observation etc. Adam and Eddie on site.

Jeff on site most of the day. The rain has slowed this morning. The 2nd wave due to arrive later this morning. The rain returned around 11 am. Heavy at times. We will continue to sweep the water off the deck thru the day. We have showers off and on thru the evening projected. We will return tomorrow and clean as much water off the deck as possible. We will then let everything dry out as much as possible over the weekend.

I plan to remove the plastic Monday am. Possible rain on Wednesday next week.

Certified By: Oltmans Construction Co.

Signed: _____
 Jeff Rich

Date: 03/04/2019

Journal ID: DJ-116

DATE: 11/30/2018

Job: 18049

Low Temperature: 51

Precipitation: 0

Sky: AM Overcast

High Temperature: 68

Rain Day: N

Wind: NW at 10 to 15

General:

Activities

Mucho rain yesterday all day thru the evening. The afternoon cleared up and we saw some sun.

OCCO 2 men sweeping water off the deck. We will remove the plastic today and air dry thru the weekend. The deck overall looks good. Minor issues with the felt paper. Men left at 12:30.

Jonathon on site this am. Reviewing the pour for next week.



01 - Oltmans Construction Co.
PROJECT MANAGEMENT - DAILY JOURNAL
Project 18049 - Magnolia Science Academy

Page: 3 of 6
 Date: 03/04/2019
 Time: 10:00 AM PST

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/04/2019

Journal ID: DJ-117

DATE: 12/03/2018

Job: 18049

Low Temperature: 47

Precipitation: 0

Sky: AM Overcast

High Temperature: 66

Rain Day: N

Wind: NW at 10 to 15

General:

Activities

Cloudy am. Sun out later in the am.

Jonathon Whinnery on site prep for tomorrows concrete pour.

OCCO wall completing block outs for roof drains and stair landings. Make any repairs as needed for the felt paper etc. They needed to complete the removal of the plastic around the perimeter. I had removed the plastic earlier, but it needed to be cleaned up around the edges etc. The plastic was then folded and stored for future use if can. They installed felt paper over the interior walls to help keep the layout in tack if possible.

We are ready for tomorrows pour. mud at 7 am.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/04/2019

Journal ID: DJ-118

DATE: 12/04/2018

Job: 18049

Low Temperature: 46

Precipitation: 0

Sky: Clear

High Temperature: 70

Rain Day: N

Wind: 0 to 10 mph

General:

Activities

concrete pour today 2" lightweight on 2nd floor deck.

Mead finishers will the concrete this morning. & or 7 workers on site.

Juan will provide laborers with himself and 6 guys. The chemical finish is applied.

Al Garcia will be out with Jimmy and his crew of finishers. Rod was also on site all day.

Robertson's concrete on board with 80 yards of spec'd concrete mix. We places 73 yards.

Leighton is providing 2 inspectors on site, and 1 inspector at the batch plant. The inspections went well.

Bernard will be out this morning with his 53 meter pump with Western Pumping.

ECO pan dropped off two pans yesterday for wash out. They will pick up tomorrow.

The pour went well. Finish is good.



01 - Oltmans Construction Co.
PROJECT MANAGEMENT - DAILY JOURNAL
Project 18049 - Magnolia Science Academy

Page: 4 of 6
 Date: 03/04/2019
 Time: 10:00 AM PST

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/04/2019

Journal ID: DJ-119

DATE: 12/05/2018

Job: 18049

Low Temperature: 49

Precipitation: 1

Sky: Cloudy with rain

High Temperature: 58

Rain Day: Y

Wind: N at 10 to 15

General:

Activities

Rain all day today and tomorrow fore-cased. The site had significant rain on it this morning at 5 30 am. The 2nd floor concrete looked good. Mechanical sub was asked to leave the site by Jeff. Too much rain water on the 1st floor. A safety concern was the issue. 1 man had to leave. All other trades were not scheduled to be on site.
 @ men on site for rain mitigation.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/04/2019

Journal ID: DJ-120

DATE: 12/06/2018

Job: 18049

Low Temperature: 50

Precipitation: 1

Sky: 100% Rain

High Temperature: 58

Rain Day: Y

Wind: NW at 10 to 15

General:

Activities

Raining all day. No work.

2 men in with Jeff to make sure water / rain damage is mitigated if needed. We will make sure the paper and plastic is still place etc. The rain was too heavy. It was overwhelming with the amount of water / rain we were receiving. I sent the two men home after checking to make sure the plastic and paper were still in tack.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/04/2019



01 - Oltmans Construction Co.
PROJECT MANAGEMENT - DAILY JOURNAL
Project 18049 - Magnolia Science Academy

Page: 5 of 6
 Date: 03/04/2019
 Time: 10:00 AM PST

Journal ID: DJ-121

DATE: 12/07/2018

Job: 18049

Low Temperature: 54

Precipitation: 0

Sky:

High Temperature: 67

Rain Day: N

Wind: 0-15mph/G25

General:

Activities

Heavy winds this am. We are experiencing some consistent high winds of 15 - 20 MPH with gusts higher. The project is under water. The dirt between the alley and the new building is one large puddle of mud and water. The interior of the building has anywhere between 1" and 2" of water. Jeff has ordered two shop vacs, two squeegee's, and is trying to get a submersible pump for the site water. We have to access the project thru the neighbors lot. I hope with the water pumped out, access will be back to normal.

OCCO Wood framing is in to begin layout and framing of the 2nd floor walls. They are using several men to sweep out as much water as they can. The project has safety concerns with so much water on the floors. Electrical cords into the water is a major issue. 17 men on site today.

Christian Bros on site to continue with the sandwich of plywood for their hangers etc.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: _____ 03/04/2019

Journal ID: DJ-122

DATE: 12/08/2018

Job: 18049

Low Temperature: 43

Precipitation: 0

Sky: Clear

High Temperature: 70

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

OCCO wall today to help keep on schedule. They continue to build 2nd floor walls. 17 men.
 OCCO provided several men to pump out water, squeegee floors etc. Most of the water will be out by noon today.
 The elevator pit will use only the pump. I will probably pump that out on Monday.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: _____ 03/04/2019



01 - Oltmans Construction Co.
PROJECT MANAGEMENT - DAILY JOURNAL
Project 18049 - Magnolia Science Academy

Page: 6 of 6
Date: 03/04/2019
Time: 10:00 AM PST

Journal ID: DJ-123

DATE: 12/10/2018

Job: 18049

Low Temperature: 53

Precipitation: 0

Sky: AM Overcast

High Temperature: 71

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

I had to rent another water pump. The one I brought to the project on Saturday am did not work. All of the water is finally out of the 1st floor. It took 3 men most of Saturday to shop vac the entire 1st floor and get all of the water out. Thank you to OCCO Wall.
OCCO wall on site continuing to frame 2nd fl walls etc.

Christian Brothers on site 3 men. They continue to install rods for their air handler boxes on the 1st floor.

No rain forecast for this week.

Landscapers are on site extending their irrigation pipes from under the electrical conduits.

Electrician on site to raise the 3 4' pipes for the landscapers.

Certified By: Oltmans Construction Co.

Signed: _____
Jeff Rich

Date: _____
03/04/2019



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM
PCI025

TITLE: Weather Remediation January (JWO #9 - 11) **DATE:** 03/18/2019
PROJECT: Magnolia Science Academy **PROJECT NO.:** 18049
TO:
Magnolia Educational and Research Foundation
250 E. 1st St., 1500
Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment required for weather remediation including rain preparation and clean up.

The added costs include:

- _JWO #9 - Weather Preparation & Weather Remediation 1/5/19 to 1/6/19 \$4,723
(Protection at south property line (neighbor's fences)).
- _JWO #10 - Weather Preparation & Weather Remediation 1/7/19 to 1/8/19 \$3,975
- _JWO #11 - Weather Preparation & Weather Remediation 1/14/19 to 1/21/19 \$21,892
(Protection included pumping water at parking lot and neighbors property line during nights and weekends as rain events occurred).

This PCI excludes any items not identified above.

Vendor	Description	Amount
	SWPPP L,M,E - Weather Remediation - JWO #9	4,723.00
	SWPPP L,M, E - Weather Remediation - JWO #10	2,528.00
	SWPPP L, M, E - Weather Remediation - JWO #11	21,892.00
	Rough Carpentry - Weather Remediation - JWO #10	1,447.00
	Bond	251.00
	Gross Tax	40.00
	GL	297.00
	SDI	383.00
	Fee	1,564.00
	SUBTOTAL:	33,125.00
	TOTAL COST FOR THIS CHANGE ORDER REQUEST:	33,125.00

APPROVAL:

Oltmans Construction Co.

BY: Trevor Lawton

DATE:

APPROVAL:

Magnolia Educational and Research

BY:

DATE:

Oltmans

CONSTRUCTION CO.

Project: **Magnolia Science Academy**Job #: **18049**JWO #: **9**JWO Date: **1/5/2019 & 1/6/2019**Description: **Weather Remediation 1/5/19 to 1/6/19: Per Owners request install protection at South PL at neighbors as requested by MSA including: build temp protection, build handrail, install sand bag and berm and cover**By: **Jeff Rich**PM: **Trevor Lawton**Date Entered: **3/11/2019 - EL**

	Description	Qty.		Labor Rate	Equip/ Mat'l. Rate	Labor	Equip/ Mat'l.
Classifications							
1	Journey Carpenter- build temp protection	2.0	hrs	\$ 71.16		\$142.32	
2	Journey Carpenter - Build handrail	3.0	hrs	\$ 71.16		\$213.48	
3	Journey Carpenter - install sand bag berm	10.0	hrs	\$ 71.16		\$711.60	
4	Journey Carpenter - Cover spoils wih plastic	2.0	hrs	\$ 71.16		\$142.32	
	TOTAL	17.0	hr				

Equipment / Materials							
1	Plywood (JR)	1.0	EA		28.68		\$28.68
2	Studs (JR)	31.0	EA		1.09		\$33.79
3	Stakes (JR)	1.0	EA		11.57		\$11.57
4	Caution Tape (JR)	1.0	EA		7.97		\$7.97
5	Straw waddle (Yard)	24.0	EA		22.00		\$528.00
6	400 gravel bags (yard)	400.0	EA		2.73		\$1,092.00
7	500 sand bags (Yard)	400.0	EA		2.73		\$1,092.00
8	2 boxes black Visqueen plastic (Yard)	2.0	EA		145.00		\$290.00
	<i>Subtotals</i>					\$1,209.72	\$3,084.01
	Small Tools (Included in labor rate)				0.00%	\$0.00	
	<i>Subtotal</i>					\$1,209.72	
	Labor Burden (Included in labor rate)				0.00%	\$0.00	
	Material & Equipment					\$3,084.01	
	<i>Subtotal</i>					\$4,293.73	
	Liability Insurance				0.00%	\$0.00	
	<i>Subtotal</i>					\$4,293.73	
	Self-Performed OH&P				10.00%	\$429.37	
	TOTAL					\$4,723.10	

EXCLUDES:

a) All subcontractor work (if any).

IMPORTANT:

When JWO is approved, notify the estimator so the Labor and Material Report can be updated.

Oltmans

CONSTRUCTION CO.**Project: Magnolia Science Academy****Job #: 18049****JWO #: 10****JWO Date: 1/7/2019 & 1/8/2019****Description: Weather Remediation: swept and pumped water off jobsite to avoid water damage.****By: Jeff Rich****PM: Trevor Lawton****Date Entered: 3/11/19 - EL**

Description	Qty.	Labor Rate	Equip/ Mat'l. Rate	Labor	Equip/ Mat'l.
Classifications					
1		hrs		\$0.00	
2	OCCO Wall (3) men	9.0 hrs		\$0.00	
3	OCCO Wall (1) man	8.0 hrs		\$0.00	
4		hrs		\$0.00	
5		0.0 hrs		\$0.00	
6					
7		0.0 hrs		\$0.00	
TOTAL		17.0 hr			

Equipment / Materials					
1	Push Brooms (JR)	3.0	EA	27.97	\$83.91
2	2 squeegee's (JR)	2.0	EA	17.75	\$35.50
3	2 shop vacs (JR)	2.0	EA	108.00	\$216.00
4	1 water pump (JR)	1.0	EA	24.00	\$24.00
5	1.5" Dicharge hose (yard)	6.0	EA	75.00	\$450.00
	Black Visqueen Plastic	2.0	EA	145.00	\$290.00
	De-silting bag (yard)	1.0	EA	66.95	\$66.95
	100 ft Extension cord (yard)	2.0	EA	19.97	\$39.94
	Gravel/sand bag (yard)	400.0	EA	2.73	\$1,092.00
<i>Subtotals</i>				\$0.00	\$2,298.30
Small Tools				1.50%	\$0.00
<i>Subtotal</i>					\$0.00
Labor Burden				0.00%	\$0.00
Material & Equipment					\$2,298.30
<i>Subtotal</i>					\$2,298.30
Liability Insurance				0.00%	\$0.00
<i>Subtotal</i>					\$2,298.30
Self-Performed OH&P				10.00%	\$229.83
TOTAL					\$2,528.13


Subcontractor:

OCCO Wall EWO #22

\$ 1,447.00

Total:**\$ 1,447.00****TOTAL****\$3,975.13****IMPORTANT:**

When JWO is approved, notify the estimator so the Labor and Material Report can be updated.

From: Trevor Lawton Sent: Mon 1/7/2019 9:11 AM
To: Patrick Ontiveros
Cc: Jeff Rich; Elizabeth Lara; Anjana Bhowmik; Chris Bell
Subject: MSA Rain Dav 1.7.19
 Stubbed Attachments.htm

This message's contents have been archived by the Barracuda Message Archiver.

[MSA Schedule Impact Log 1.7.19.pdf](#) (50.3K)
[Weather Delay Letter 1.7.19 Event.pdf](#) (107.6K)

Good Morning Patrick,

Due to the rain last night and ongoing rain this morning, work was unable to be performed safely today. The framing crews went home, but a small crew remained onsite to perform rain protection. We will track cost on a JWO and notify you accordingly. Please see attached letter and updated schedule impacts log for your records.

Thank you,

Trevor Lawton, CESSWI, QSP
Project Manager

Oltmans Construction Co.
10005 Mission Mill Road
Whittier, California 90601
T 562.948.4242, Ext. 3459
C 916.276.7666
F 562.695.5299
trevorl@Oltmans.com
www.Oltmans.com

Trevor Lawton

From: Patrick Ontiveros <pontiveros@magnoliapublicschools.org>
Sent: Monday, January 14, 2019 8:56 AM
To: Trevor Lawton; David Marin; Jeff Rich; Mustafa Sahin
Subject: Re: RECENT RAINS

Hi Trevor,

I understand that Mustafa spoke with Jeff. Unfortunately, the person or company that Mustafa typically uses to pump out the water and generally deal with this situation is being unresponsive. Accordingly, Oltmans has our authorization to take whatever steps may be necessary to pump the water and or otherwise stop or slow the water run-off on the neighboring property, including engaging a subcontractor to handle the same. I understand that Jeff needs to take care of securing the building against the rains so if you need additional manpower, please use it. Obviously, we will pay any additional costs.

Thank you.

Patrick Anton C. Ontiveros, Esq.

Office: [\(213\) 628-3634](tel:2136283634) ext. 103
Mobile: [\(323\) 490-0701](tel:3234900701)
pontiveros@magnoliapublicschools.org

From: Trevor Lawton <TrevorL@oltmans.com>
Date: Monday, January 14, 2019 at 8:20 AM
To: Patrick Ontiveros <pontiveros@magnoliapublicschools.org>, David Marin <DavidM@oltmans.com>, Jeff Rich <JeffR@oltmans.com>, Mustafa Sahin <msahin@magnoliapublicschools.org>
Subject: RE: RECENT RAINS

Hi Patrick,

The barrier on the school side is really only designed to slow water, not stop it. The only way to stop it would be to do permanent walls, drains, etc. Ms. Nghiem should take measures to protect her property if she has not done so already. Oltmans cannot enter her property. I think the best next steps should be to attempt to pump the water out and back into the alley. I believe Mustafa had a pump or a company coming out to do this already. We have one pump onsite that we held onto from the last rain that may assist if Jeff isn't already using it. Jeff's priority at the moment is the building.

Thanks,

Trevor Lawton, CESSWI, QSP
Project Manager

Oltmans Construction Co.

T 562.948.4242, Ext. 3459
C 916.276.7666

From: Patrick Ontiveros <pontiveros@magnoliapublicschools.org>
Sent: Saturday, January 12, 2019 10:41 PM
To: David Marin <DavidM@oltmans.com>; Jeff Rich <JeffR@oltmans.com>; Mustafa Sahin <msahin@magnoliapublicschools.org>; Trevor Lawton <TrevorL@oltmans.com>
Subject: FW: RECENT RAINS

As you can see, my land use consultant is freaking out over this matter. What if anything further can we do? I saw this product at home depot. Can we install something like this? Perhaps we should install something on her side of the fence even though she should already probably be doing it.

Please let me know your thoughts.

4



Quick Dam >
Grab and Go
10 ft. Flood B
★★★★★ (3) Write a

\$121⁶⁸ /box

Overview

Protect your home or property with Quick Dam Flood Protection in a box. Absorb, contain and divert water.

Patrick Anton C. Ontiveros, Esq.

Office: [\(213\) 628-3634](tel:2136283634) ext. 103
Mobile: [\(323\) 490-0701](tel:3234900701)
pontiveros@magnoliapublicschools.org

From: veronica becerra <ybcommercial@outlook.com>
Date: Saturday, January 12, 2019 at 2:56 PM
To: Patrick Ontiveros <pontiveros@magnoliapublicschools.org>
Subject: Re: RECENT RAINS

OMG.... This is really serious. Storm Water services should be notified asap. This is not because of the construction, this is because you are the low point on the block. I will also contact Street Services. Lets talk Monday morning. I will need to call by 7:30 am so please call before that.

Veronica Becerra
Rabuild Commercial Services LLC
Land Use, Entitlements, Project Development
213 272-4784

From: Patrick Ontiveros <pontiveros@magnoliapublicschools.org>
Date: Saturday, January 12, 2019 at 12:42 PM
To: veronica becerra <vbcommercial@outlook.com>
Subject: Fwd: RECENT RAINS

Hi Veronica.

I need assistance on how to handle this matter. I've received different opinions from my construction law attorney, the contractor who has spoken with the water board. I think we have done a lot to address this matter and the SWPPP plan has been reviewed and approved. This neighbor's friend is being very aggressive. I don't want to do anything to jeopardize our zone change and also don't want to expose ourselves to legal liability. Part of me thinks that they should be doing something on their side of the property line.

Sent from my iPhone

Begin forwarded message:

From: Lauren Mancuso <lamancuso@gmail.com>
Date: January 12, 2019 at 12:16:27 PM PST
To: Patrick Ontiveros <pontiveros@magnoliapublicschools.org>
Cc: Anh Nghiem <atnghiem@gmail.com>, Jeff Rich <JeffR@oltmans.com>, Mustafa Sahin <msahin@magnoliapublicschools.org>, Trevor Lawton <TrevorL@oltmans.com>, "aimienghiem@gmail.com" <aimienghiem@gmail.com>, Peter.Masson@anteagroup.com, stormwater@waterboards.ca.gov
Subject: Re: RECENT RAINS

Patrick, Water is currently leaving the construction site and is entering the neighboring properties. This is not being treated with the appropriate level of seriousness- it is an emergency and we are requesting that you handle it immediately. Rain will start on Monday and the house is threatened by the flooding from your site.

As a courtesy, I wanted to let you know that I sent an email to the stormwater group at the water board asking them to review your project. I had hoped to get a response from you or Oltmans last week but did not, and it appears there is no other course of action.

Again, I am offering my assistance in reviewing your plans or recommending stormwater contractors. Please feel free to call me with questions or to set up a meeting.

Lauren Mancuso, PG 8968
916-719-5874



Photo taken today January 11, 2019 at 8am

Sent from my iPhone

On Jan 8, 2019, at 12:31 PM, Patrick Ontiveros
<pontiveros@magnoliapublicschools.org> wrote:

To follow up, our general contractor's team will be taking steps to beef up the barrier in anticipation of future forecast rains. I also understand that they will be onsite today with pumps to drain the lake.

Thank you.

Patrick Anton C. Ontiveros, Esq.

Office: [\(213\) 628-3634](tel:(213)628-3634) ext. 103

Mobile: [\(323\) 490-0701](tel:(323)490-0701)

pontiveros@magnoliapublicschools.org

From: Lauren Mancuso <lamancuso@gmail.com>

Date: Monday, January 7, 2019 at 12:01 PM

To: Patrick Ontiveros

<pontiveros@magnoliapublicschools.org>

Cc: Anh Nghiem <atngkiem@gmail.com>, Jeff Rich

<JeffR@oltmans.com>, Mustafa Sahin
<msahin@magnoliapublicschools.org>, Trevor Lawton
<TrevorL@oltmans.com>, "aimienghiem@gmail.com"
<aimienghiem@gmail.com>
Subject: Re: RECENT RAINS

Mr. Ontiveros, Thank you for your teams effort installing the sand bags last week, however, they were not successful in mitigating the stormwater runoff. The stormwater again flooded from the school's property into Mrs. Nghiem's yard. Please see photos taken last weekend and this morning. There are currently several inches of standing water behind the sandbags and in Mrs. Nghiem's yard. On Mrs. Nghiem's behalf, I am requesting that you immediately drain the area before further damage occurs to her property.

Also of concern, there is another storm arriving later this week which will continue to flood Mrs. Nghiem's property and possibly her house depending on the precipitation totals. Since this is my area of expertise as a geologist, I am more than happy to help your team come up with a temporary solution but time is of the essence. Feel free to call me on my cell phone at 916-719-5874. Please let us know what you plan to do so I can advise Mrs. Nghiem properly before the storm arrives.

Would you mind providing me a copy of your Stormwater Pollution Prevention Plan (SWPPP) or your Storm Water Multiple Application and Reporting Tracking System (SMARTS) application number? I was unable to find it on the website.

Thank you,
Lauren Mancuso, PG# 8968
916-719-5874

<image001.jpg>
<image002.jpg>

On Sun, Jan 6, 2019 at 11:24 PM Patrick Ontiveros
<pontiveros@magnoliapublicschools.org> wrote:

Per our meeting last week, I am providing you an update on the recent rains. Prior to the rains our general contractor took measures to mitigate any rain from draining from our property onto Mrs. Nghiem's property. See attached pictures. We will be looking to drain the water that ponded on our land into the alley away from our common property line.

Thank you.

<image003.jpg>

<image004.jpg>

<image005.jpg>

Patrick Anton C. Ontiveros, Esq.
General Counsel & Director of Facilities

Magnolia Public Schools

[250 E. 1st Street, Suite 1500](#)

[Los Angeles, CA 90012](#)

[Office: \(213\) 628-3634](#) ext. 103

Mobile: [\(323\) 490-0701](#)

Fax: [\(714\) 362-9588](#)

www.magnoliapublicschools.org

Did you know Magnolia Science Academies are charter public schools? Charter public schools are excellent schools open to all. Charter public schools are built on the belief that every student should have the chance to go to a great school that puts their needs first, regardless of zip code, income or ability level.

“Graduates of Magnolia Public Schools are scientific thinkers who contribute to the global community as socially responsible and educated members of society.”



Oltmans Wall

Date: 1/7/2019

Project: Magnolia Academy DW - 18161

Attn:
Oltmans Construction Co.
 10005 Mission Mill Road
 Whittier, CA 90601

Extra Work Order No. 22

Description of work performed as a change to the contract: Material, Equipment, and Labor to remove water from job site to prevent water damage as directed by Oltmans Superintendent.

***Oltmans Superintendent's Authorization to proceed:** _____

LABOR RATES	Straight Hours	Base Rate*	OT Hours	Overtime	Premium Hrs	Premium time	Total
Superintendent		\$107.00		\$160.00		\$55.25	\$ -
Foreman		\$76.00		\$116.00		\$40.20	\$ -
Carpenter	17	\$74.00		\$114.00		\$37.85	\$ 1,258.00
Labor Total	\$1,258.00						

*All Labor Rates include base rate, taxable benefits, insurance, workers comp, and other SUI Union Fringe Benefits.

Material	Piece count	Amount used	Price	Total
MST 60	EA		25.960	\$ -
2 1/2 x .148 Nails	BOX		145.000	\$ -
3 1/4 x .148 Nails	BOX		136.000	\$ -
CMST 12	LF		7.350	\$ -
Sawzall Blade	BOX		25.970	\$ -
Wood 2x6	LF		0.588	\$ -
Wood 2x8	LF		0.699	\$ -
			0.000	\$ -
			0.000	\$ -
			0.000	\$ -
			0.000	\$ -
Material Total				\$ -

Subcontractor Total	\$0.00	Material Total	\$	-
OH&P on Subcontractor	\$0.00	Tax	9.75%	\$
Labor Total	\$1,258.00	OH&P	15%	\$ 188.70

Grand Total \$1,446.70

****Oltmans Superintendent's Labor and Material Verification:** _____

Oltmans Wall Representative: _____

*Oltmans Superintendent's signature is required to direct Oltmans Wall to proceed with work outside contract scope.
 **Oltmans Superintendent's signature is required to verify hours worked and material used on work outside contract scope.

Date: 1-7,8-2019

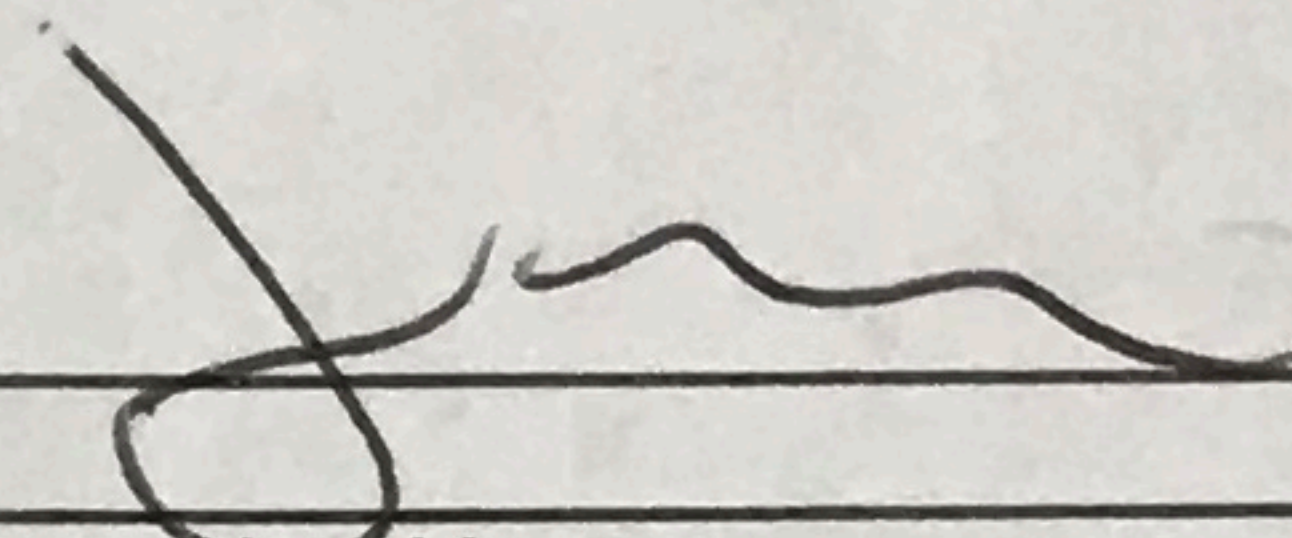
Project: MSA (18161.01)

Attn:
Oltmans Construction Co.
10005 Mission Mill Road
Whittier, CA 90601

Extra Work Order No.

Description of work performed as a change to the contract: Sweeping and pumping water off job site to avoid water damage.
1-7-2019 - 3 men - 3 hours = 9 hours total. Balbino (journeyman)
Chuck (journeyman) Miguel (journeyman)
1-8-2019 - 1 man - 8 hours - Joe (journeyman)
Swo #10.

*Oltmans Superintendent's Authorization to proceed:

 3/7/2019

LABOR RATES	Straight Hours	Saturday Hours	Sunday Hours	Premium time
Superintendent				
Foreman				
Carpenter	17			

*All Labor Rates include base rate, taxable benefits, insurance, workers comp, and other SUI Union Fringe Benefits.

Material	Piece count	Amount used

**Oltmans Superintendent's Labor and Material Verification: _____

Oltmans Wall Representative: _____

*Oltmans Superintendent's signature is required to direct Oltmans Wall to proceed with work outside contract scope.

**Oltmans Superintendent's signature is required to verify hours worked and material used on work outside contract scope.

Gas for air water pumps.

Two #11

7208 RESEDA BLVD.
RESEDA CA 91335

UNITED OIL 9861
10194512
7208 RESEDA BLVD
RESEDA, CA

01/16/2019 181505324
07:36:32 AM

7034
WEX

INVOICE 073309
AUTH 00-217177
REF 120050116190733
ODO 18049

PUMP# 8
REGULAR 9.000G
PRICE/GAL \$3.159

FUEL TOTAL \$ 28.43

Total = \$ 28.43 ✓

CREDIT \$ 28.43

COMPLETION
SWIPE Exp.Date:**/**
Batch: 12 Seq Num: 5
Term ID: 8
Vehicle Card
Number: 77646
Workstation ID: 00
Your opinion counts! Enter to Win 1 of 60 \$25 gas gift cards!!!
Provide feedback
www.gasvisit.com

WANT FREE GAS?
REGISTER TO WIN AT
WWW.GASVISIT.COM

3 gas cans full from the yard to start.

Gas for Back Pack Blower.

Two #11

7208 RESEDA BLVD.
RESEDA CA 91335

UNITED OIL 9861
10194512
7208 RESEDA BLVD
RESEDA, CA

01/18/2019 181506490
10:08:34 AM

7034
WEX

INVOICE 100636
AUTH 00-868336
REF 340010118191006
ODO 18049

REPRINT *** REPRINT
PUMP# 1
REGULAR 4.502G
PRICE/GAL \$3.159

FUEL TOTAL \$ 14.22

Total = \$ 14.22 ✓

REPRINT *** REPRINT

CREDIT \$ 14.22
COMPLETION

SWIPE Exp.Date:**/**
Batch: 34 Seq Num: 1
Term ID: 1
Vehicle Card
Number: 77646
Workstation ID: 00
Your opinion counts! Enter to Win 1 of 60 \$25 gas gift cards!!!
Provide feedback
www.gasvisit.com

WANT FREE GAS?
REGISTER TO WIN AT
WWW.GASVISIT.COM

Plashed to cover the dirt south area of the Bay. Trying to not have a mud puddle.



**More saving.
More doing.**
Two #

ISSA.KHOURY@HOMEDEPOT.COM (818)7805448
16800 ROSCOE BLVD.VAN NUYS,CA 91406

6661 00061 29969 01/11/19 12:29 PM
SELF CHECK OUT

073257012928 POLY SHEET <A>
20'X100' 6MIL BLACK POLY SHEETING
2@94.00 188.00

SUBTOTAL 188.00
SALES TAX 17.86
TOTAL \$205.86

XXXXXXXXXXXX5770 HOME DEPOT 205.86
AUTH CODE 011572/2614745 TA

OLTMANS CONSTRUCTION CO
RICH JEFFREY

PRO XTRA MEMBER STATEMENT

PRO XTRA ###-###-4242 SUMMARY
THIS RECEIPT PO/JOB NAME: 18049

PRO XTRA SPEND THIS VISIT: \$188.00
2019 PRO XTRA SPEND 01/10: \$9,379.44

As of 01/11/2019 your Paint Rewards level is Bronze; Spend 3923.08 more in qualifying paint purchases to earn Silver (15.0% off) on select paint items.

This purchase qualifies for FUEL DISCOUNTS and 60 DAYS TO PAY on The Home Depot Commercial Credit Card. Ask an Associate to learn more or go to homedepot.com/financeoptions.



6661 61 29969 01/11/2019 2004

RETURN POLICY DEFINITIONS
POLICY ID DAYS POLICY EXPIRES ON
A 11 365 01/11/2020

DID WE NAIL IT?

Take a short survey for a chance TO WIN A \$5,000 HOME DEPOT GIFT CARD

Opine en español
www.homedepot.com/survey

User ID: H8B 66888 60288
PASSWORD: 19061 60227

Entries must be completed within 14 days of purchase. Entrants must be 18 or older to enter. See complete rules on website. No purchase necessary.



01 - Oltmans Construction Co.
PROJECT MANAGEMENT - DAILY JOURNAL
Project 18049 - Magnolia Science Academy

Page: 1 of 24
 Date: 03/11/2019
 Time: 5:07 PM PDT

Journal ID: DJ-136

DATE: 01/03/2019

Job: 18049

Low Temperature: 36

Precipitation: 0

Sky: Clear

High Temperature: 67

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

Wednesday 1/2/2019. I missed yesterday's daily. Here it is:

OCCO Wall flying beams, joists 2nd floor.

GJ Gentry did not show. I left messages on phone and email to Bryan. No response.

Safeway off site. Back tomorrow.

Today:

OCCO wall again will fly beams, joists etc with a crane. Should have everything flown today. The crane finished around noon today flying all beams etc. They continued to roll and spread joists thru out.

Safeway on site to lengthen their 4" phone lines lines to the rear of the property.

GJ Gentry contacted me this am. They are not back on site again today. They were notified they are behind and need to complete their work ASAP or a notice would be sent to their office. They notified Jeff and stated they would be back tomorrow and complete the back filling of the retention pit. They showed up th am at 9 am.

AL Garcia out for 3 hours today. We went thru the schedule, subs, work etc. A decision was made to have sweeps out to sand bag a berm against the South property line to assist with water issues at the neighbors homes. Dave and Swppps will be out tomorrow am. We will begin to install sand bags etc to help with SWPPPS.

Certified By: Oltmans Construction Co.

Signed:

 Jeff Rich

Date: 03/11/2019

Journal ID: DJ-137

DATE: 01/04/2019

Job: 18049

Low Temperature: 36

Precipitation: 0

Sky: Clear

High Temperature: 68

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

OCCO Wall spreading and rolling joists. We are planning on working tomorrow.

Gas company has not contacted me. Still no way to leave a message on their phone. No email back from them either.

Gj Gentry showed at 9 am this morning. They are taking care of the spoils, and back filling the retention pit 100%. Back on Monday.



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Electricians off site. They were notified to get the front of the building cleaned up.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-138

DATE: 01/05/2019

Job: 18049

Low Temperature: 40

Precipitation: 0

Sky: 50% Rain

High Temperature: 56

Rain Day: N

Wind: 0-10mph

General:

Activities

OCCO Swppps out again this am to complete the installation of 500 sand bags, straw waddle, and cover the spoils from GJ Gentry retention pit #1.

OCCO Wall on site continue to spread and roll trusts.

Rain is scheduled to hit the area this afternoon thru tomorrow.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-139

DATE: 01/07/2019

Job: 18049

Low Temperature: 51

Precipitation: 1

Sky: AM Lt rain

High Temperature: 59

Rain Day: N

Wind: 0 to 7 mph

General:

Activities

Rained all weekend. mud and standing water on the site.

SWPPPs were in place but heavy rains seemed to have water creep into the danger area of the neighbors property.

Still raining at 7:30 am. Light to moderate rain falling.

Carpenters have left the project. 3 men left behind to remove standing water on 1st floor.

KDR prepping for crane work tomorrow. Too much rain for welding. Safety concerns.



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No Electricians on site. No GJ Gentry.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-140

DATE: 01/08/2019

Job: 18049

Low Temperature: 47

Precipitation: 0

Sky: AM Overcast

High Temperature: 68

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

No rain scheduled for today. Rain off and on late this week and all next week.

OCCO Wall on site spreading and rolling joists.

KDR installing steel stairs.

Safeway electric cleaning up the front site postponed because of the mud / rain.

OCCO Swppps on site to evaluate the flooding and standing water issues.

Oltmans Safety supervisor out to check on the project site.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-141

DATE: 01/09/2019

Job: 18049

Low Temperature: 42

Precipitation: 0

Sky: AM Overcast

High Temperature: 67

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

OCCO Wall continues to roll and install roof joists. OCCO wall was directed to relocate approximately 30 installed joists for Mechanical shafts.

KDR continues to install 2nd fl stairs. Stair #1 has some issues at the top. Stair #2 is going in as we speak.



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GJ Gentry will back tomorrow.

Safeway

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-142

DATE: 01/10/2019

Job: 18049

Low Temperature: 44

Precipitation: 0

Sky: AM Overcast

High Temperature: 67

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

OCCO Wall continues to block out for sheathing the 2nd deck. They began yesterday afternoon to install the large steel braces to the 2nd floor roof. 2 went in OK. These are very heavy awkward steel braces. After blocking is completed sheathing can go full blast.

KDR will continue to install stairs today. Issue with #1 stair at the top. An RFI was sent in on a solution.

Safeway is out cleaning up the front area of dirt etc.

GJ Gentry will be out to dig the corners and install the pipe to make the connections back to the building.

jeff called in for building inspection for the drain pipe again. GJ Gentry not on site when the inspector came today.

Jeff walked the project. Jeff reviewed the failing block wall. No difference.

Rain is scheduled to begin as soon as Saturday. Much of next week is in jeopardy of rain.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-143

DATE: 01/11/2019

Job: 18049

Low Temperature: 50

Precipitation:

Sky: AM Overcast

High Temperature: 65

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

Rain is scheduled to be on site by tonight. Rain will continue of and on thru Thursday next week.

OCCO wall continued to spread and roll roof joists. Install blocking and sheathing in certain area's. OCCO wall was directed to relocate roof joists by Jeff to meet the HVAC unit opening



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requirements. The structural / Redbuilt plans do not match up with the Mech plans.

Safeway was off site. They still need more dirt moved from the front of the building. Jeff notified Trevor the foreman.

HVAC off site until after the roof sheathing is completed.

GJ Gentry on site. They hooked up the roof drains from the building to their 18" x 18" box. Then from the box to the pit. is now connected. Jeff notified Bryan that the remaining spoils need to be removed as soon as practical. bryan will schedule next week, rain may become an issue.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-144

DATE: 01/14/2019

Job: 18049

Low Temperature: 54

Precipitation: 1

Sky: 80% Rain

High Temperature: 66

Rain Day: Y

Wind: N at 10 to 15

General:

Activities

Rained hard over the weekend. The parking lot flooded!. I sent out an email to Trevor advising him of the situation. No work was performed. TOO much rain.

Oltmans SWPPPS supervisor was on site Saturday AM evaluating the situation. not good. There was no water pumping going on. The water was flooding over the neighbors yards and into the next door neighbors from there.

Monday 5 am light sprinkles. 6 am heavy sprinkles. 6 30 rain. 7 am heavy rains. The wood frames from OCCO wall were sent home. HVAC Mechanical foreman was sent home.

Jeff and two laborers continued to work thru the rain and check on protection. Oltmans has been asked and approved to begin to pump the water from the parking lot. It has become an emergency at this point. Oltmans is gearing up manpower and equipment to start this afternoon. Jeff has asked for a man to be on site thru Friday am. oltmans should start pumping water by 2 pm today.

The block wall is showing signs that it might fail all together and fall down. there is a spot that the wall does not have temp shoring and is leaning a great deal.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-145

DATE: 01/15/2019

Job: 18049

Low Temperature: 54

Precipitation: 2

Sky: 80% Rain

High Temperature: 54

Rain Day: Y

Wind: 0 to 10 mph



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General:

Activities

Rain day. no workers in.

Schindler Elevator tried to install their hydraulic lines this morning. Job was unsafe. Too much water. They needed power and i was not in the position with all of the water to provide them with power. They dropped off materials and left.

labor from the shop is on site. We set up the 3" pump for today's expected heavy rains. We now have all 3 pumps set up. Workers will watch the pumps etc 24 hours thru Friday am.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-146

DATE: 01/16/2019

Job: 18049

Low Temperature: 53

Precipitation: 1

Sky: 80% Rain

High Temperature: 61

Rain Day: Y

Wind: 0 to 5 mph

General:

Activities

Rain fell very heavy yesterday and into the late evening. All three (3) pumps were used to pump water during the afternoon and into the evening. The pumps were able to keep up with the large amounts of rain water in the parking lot and surrounding neighbors fence lines.

Jeff arrived back on scene this morning around 5:20 am. The parking lot was clear of rain water. The area behind the sand bag berm was being pumped out. overall, the pumping was a huge success. Having the pumps on hand and starting the pumping immediately after the rain started was critical in not allowing the area to flood.

Still more rain is scheduled for this afternoon. Rain will start heavy again around noon. The rain is expected to last thru tomorrow afternoon around 4 PM. The rain will then begin to taper off by Friday am. We will plan to pump out all water no later than Friday am. No additional rain is forecast thru the end of the month.

All trades are off the project until the water can be removed and it is safe to return up top. The wood framers are scheduled back on Saturday.

Gas Company has requested we go on line and submit a new request for service. This was brought to the teams attention at the OAC meeting today. The team will handle it.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-147

DATE: 01/17/2019

Job: 18049

Low Temperature: 60

Precipitation: 1

Sky: 80% Rain

High Temperature: 62

Rain Day: Y

Wind: 10 mph.



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General:

Activities

Raining hard most of the night and into the morning. Rain is expected until this afternoon. It stays above 20% until 10 pm. OCCO continues to monitor the rain fall and pump out water as needed 24 hours a day. Today should be the last day on rain watch. No more for two weeks.

There appears to be no change in the South block wall. The lean appears to be the same.

Tomorrow all water will be removed, and the mud / dirt will be shoveled. All looks good today.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-148

DATE: 01/18/2019

Job: 18049

Low Temperature: 50

Precipitation: 0.2

Sky: AM Overcast

High Temperature: 67

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

The rain appears to be over. There was some minor rain over the nite. the parking lot and surrounding area that tend to flood are all good. No standing water as of 6:30 am. Upon the rising off the sun, we will look to roll up all hoses, load up the water pumps, etc. Jeff will return the tools / equipment back to the yard this afternoon.

We will work diligently today on removing all water from the building. We have wood framers scheduled for tomorrow am. We will remove the plastic from the retention pit and evaluate the amount of water etc that entered this area. Jeff covered the area with plastic before the rains began. The lot next doors flooded on Wednesday evening and continued to flood thru yesterdays heavy rains.

Some off the standing rain water from next door was running down under the edge of the plastic around the retention pit.

KDR Is on site. They continue with the stair installations.

Safeway not on site. Due back Monday am.

OCCO wood framers in tomorrow am.

Schindler not on site. They are scheduled for Monday am.



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Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-149

DATE: 01/21/2019

Job: 18049

Low Temperature: 48

Precipitation:

Sky: Clear

High Temperature: 61

Rain Day: N

Wind: 0 to 10 mph

General:

Activities

Forecast is for some wind over the next couple of days.

OCCO wall were in Saturday. bill was in. No Tommy. He had car troubles. they worked on the joists layout for HVAC units. All of the joists were relocated as needed for the supply and return to work.

6 men worked on Removing the water from the project. All water needs to be out so subs can work safely. They worked 7 hours.

Monday 1/21/2019.

OCCO wood framers on site. They continue to frame exterior walls, etc at the South East corner of the building. they are installing the 4" x 4" sttel tubes for the fencing thru out. They are sheathing were available. No Tommy again today.

Schindler elevators on site to install their oil line for the elevator to the machine room. They might have to return to install threaded in bathrooms. They left. They sent inof to their shop. They need taller ladders, a scissor lift, and some different pipe for the hard lid area's.

KDR has three men working on the steel stairs. installing steps, platforms, etc. The wood framers have removed the TJI for the top of stair #1 can go per RFI from the architect.

Electricians. Not on site.

HVAC. Not on site.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019



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Journal ID: DJ-150

DATE: 01/22/2019

Job: 18049

Low Temperature: 48

Precipitation: 0

Sky: Clear

High Temperature: 68

Rain Day: N

Wind: NW at 10 to 15

General:

Activities

OCCO Wood framers on site. Meeting set up for tomorrow with Tim to review the schedule. Set completion dates for certain levels.

KDR did not show up. they need walls to be completed 1st. They still need to get the studs welded and complete the top of stair #1.

HVAC exhaust hood showed up late Monday. The school accepted the delivery. i notified CB to get the hood moved ASAP.

Electricians reminded to get the remaining dirt etc cleared from the front of the building.

Jeff was picking up another electrical spyder box from the yard with adapters. Need more power.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-151

DATE: 01/23/2019

Job: 18049

Low Temperature: 44

Precipitation: 0

Sky: Clear

High Temperature: 70

Rain Day: N

Wind: 0 to 10 mph

General:

Activities

COLD. Very cold this am again.

OCCO wall continues to frame the roof etc. Roof drain headouts being completed. Installation of the fence posts continues at the roof also. Sheathing all over continues also. A meeting with Tim this am to set deadlines for completion. our meeting went well. They will be complete with everything by the 15th of Feb.

OCCO wall given directions on 4 issues with framing by Jeff.

GJ Gentry. Left message with Bryan as to when the dirt spoils will be removed from the site? No call back yet.

Electricians off site.

KDR was a no show today. Jeff spoke with Luis, they are scheduled to be back on site tomorrow.



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Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-152

DATE: 01/24/2019

Job: 18049

Low Temperature: 54

Precipitation: 0

Sky: Clear

High Temperature: 73

Rain Day: N

Wind: NW at 10 to 15

General:

Activities

Fairly cold this am again. Forecast is for the weather to begin to warm up.

OCCO wall continues to work on the South stair #2 walls etc. Frame and joist the South East corner of the 2nd floor. Joist and sheath the roof as the go. They are working with the structural steel sub to get things completed together.

KDR. Two men on site welding.

Electricians. Not here to do clean up?

GJ Gentry. No response back

PV&C. Start Monday

Christian Brothers were out yesterday and moved the exhaust hood from the school lobby to the project lay down area.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-153

DATE: 01/25/2019

Job: 18049

Low Temperature: 45

Precipitation: 0

Sky: Clear

High Temperature: 77

Rain Day: N

Wind: 10 to 15 mph

General:

Activities

OCCO Wall continues to frame walls, pick up thru out, frame out drains, sheathing, etc.



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KDR 2 men all day. 1 man 1/2 day. Welding.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-154

DATE: 01/29/2019

Job: 18049

Low Temperature: 52

Precipitation:

Sky: Cloudy

High Temperature: 74

Rain Day: N

Wind: 0 to 10 mph

General:

Activities

I missed yesterday's daily.

1/28/2019

OCCO Wood framers continue to complete any pick on the 1st floor. They began to frame 2nd floor windows, interior bathroom walls for boys, girls, men's, women's, etc. We received the direction back from the SEOR on the East side roof drain head-outs. The SEOR moved a drag strap for the HVAC locations.

Jeff had discussions with AL and Tim to have a plan for the rain later in the week. OCCO will try to cover as much of the building as possible. OCCO framers will install the plastic on the framed roof. Jeff to create a JWO for the work.

PV&C were on site. Brian and Jeremy went over the project and began to gear back up. We went over the schedule and need for the 6" roof drains to get hooked as soon as possible for rain later in the week. Additional worker on site with Brian tomorrow.

Safeway electrical was on site. Chris the foreman will be back tomorrow am with guys to complete the digging and getting all of the dirt spoils removed from the front vault area.

Today's Daily.

OCCO wood framers continue on 2nd floor bathrooms, roof blocking and sheathing. Additional safety rails added as required.

PV&C two men on site. No work done. They waited all day for the material to arrive on site.

Safeway Electric two men digging again out front. looking good. They should be finished tomorrow.

No HVAC.

GJ Gentry scheduled to remove all spoils tomorrow am.



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Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-155

DATE: 01/30/2019

Job: 18049

Low Temperature: 50

Precipitation: 0

Sky: Cloudy

High Temperature: 72

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

OCCO wall out today trying to complete the sheathing for the upcoming rain. OCCO wall framing the bathroom walls, pick up 2nd floor, framing out roof drain openings, installing blocking for HVAC units, sheathing etc on the roof. They had to stop at noon to install plastic over the entire roof of the building etc.

Rain is forecast for 100% tomorrow all day. Heavy rain expected again on Saturday. OCCO has been directed from owners to once again prep and pump all water etc off of the property to assist with the flooding issue at the South PL. Jeff will schedule one man with a pump and hoses as needed.

Safeway will continue to remove spoils from the front of the building at the vault area. All complete.

PV & C finally received their material around 3 pm yesterday. No time to install drains at all. They will do what they can with the roof drains.

No HVAC on site.

State Water Board rep was on site today. He met with Trevor (David Marin on phone) and Patrich Ontevaros. They reviewed the project and addressed the complaint by a neighbor. Trevor is heading up this issue.

Safety Director Bob, was on site today. We had several safety issues. All issues were addressed immediately.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-156

DATE: 01/31/2019

Job: 18049

Low Temperature: 55

Precipitation: 1

Sky: 80% Rain

High Temperature: 58

Rain Day: Y

Wind: NW at 10 to 15

General:

Activities



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Rain day. Job site shut down. The entire roof is covered with plastic. We will keep covered thru Monday.

OCCO will monitor rain and pump out ponding as water as needed. 1 man with pumps, hoses etc is on site. The rain was actually very heavy for long periods of time today. The 1 pump was not enough. We will need to bring in additional pumps for tomorrows heavy rain. Sergio was on site for 8 hours today. The yard is sending out 1 additional 1 1/2" pump and 1 3" pump both with hose.

All other trades were off site today.

Jeff leaving early. Going to doctor for back.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-157

DATE: 02/01/2019

Job: 18049

Low Temperature: 44

Precipitation: 0

Sky: Cloudy

High Temperature: 61

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

Very wet and damp this morning. We had some very heavy rains yesterday.

OCCO wall will be on site today with a limited crew. They will work on this inside where available.

Heavy rains expected tomorrow. Sergio and crew will be on site to monitor the rain water and pump as needed. Suppose to rain all day and into the evening. Jeff left early for back issues.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-158

DATE: 02/04/2019

Job: 18049

Low Temperature: 55

Precipitation: 1

Sky: 80% Rain

High Temperature: 60

Rain Day: Y

Wind: NW at 10 to 15

General:

Activities

it rained all weekend. We pumped standing water all weekend. We have rain again today thru tomorrow afternoon.



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NO workers on site. Too much water.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-159

DATE: 02/05/2019

Job: 18049

Low Temperature: 45

Precipitation: 0.5

Sky: 80% Rain

High Temperature: 64

Rain Day: Y

Wind: 0 to 10 mph

General:

Activities

Raining this am. The rain is expected to stop sometime this morning. Sergio pumped water from 11pm last night until 7:30 this morning. Jose and Rigo finished pumping the water, then began to sweep out the water from the building.

No workers on site today. Too much rain water.

Al Garcia was out and we went over the schedule, the rooftop concrete pour etc. good meeting.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-160

DATE: 02/06/2019

Job: 18049

Low Temperature: 38

Precipitation: 0

Sky: Clear

High Temperature: 56

Rain Day: N

Wind: NE at 5-10mph

General:

Activities

No rain forecast for today. We will begin to removal the plastic off of the roof this morning. We will continue to remove the water from the interior of the building.

5 men scheduled to complete the water removal etc from the building today.

OCCO wood framing will be onsite today. Partial crew until tomorrow. I need to have all of the water removed before a full crew can work.

Electricians, HVAC, plumbers all off site today. They may return tomorrow.

Roofers put off until after rain has stopped and the framing is caught up.



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Hufcor partitions installation of the header and ordering the doors have been put off until the rain stops and roof is installed.

Martin Mejia
 Jose A Aguilar
 Jose E paz
 Rigoberto Garzon
 Sergio Velarde

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-161

DATE: 02/07/2019

Job: 18049

Low Temperature: 32

Precipitation: 0

Sky: Clear

High Temperature: 59

Rain Day: N

Wind: 0 to 10 mph

General:

Activities

Very cold this morning. 34 degrees at 4:30 am. I was in early. I watched the guards for approx 30 minutes. They were awake and watching the project.

OCCO wall was on site this am. They continued to work on the roof deck sheathing the 3/4" plywood.

I met with Johann yesterday on site. We went over many of the small issues we have been encountering while framing the roof. We reviewed the following:

- 1- The doorway stoop from stairs #2 to the roof. The stoop will be 1 %, then feather into the roof deck with the concrete.
- 2- The deck will be extended from the ridge line to the East side of elevator between the bathroom and stairwell #1. This will help with keeping water away from the elevator entrance. A small swell will also be created in front of the elevator to keep water out of the elevator pit altogether.
- 3- We discussed the parapet walls. The over all heights, etc on both of the exterior and interior walls.

KDR was on site all day. They moved stairwell #2 away from the wood framed wall. They welded the landings, etc. They began to shoot the exterior fence posts for elevations etc. They need to get the posts prepped for the parapet walls, move the dog ears, add lengths as needed etc. They need to get the light posts built and installed.



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Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-162

DATE: 02/08/2019

Job: 18049

Low Temperature: 35

Precipitation:

Sky: Cloudy

High Temperature: 60

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

Very cold morning. 34 degrees again this morning. Frost warning was issued. Forecast is for rain on Saturday am and into Sunday. We will plan and try to work on Saturday if not too wet.

OCCO wood framers on site all day. They completed most of the sheathing on the roof. They continued to work on pick up on the 2nd floor.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-163

DATE: 02/11/2019

Job: 18049

Low Temperature: 42

Precipitation: 0

Sky: Cloudy

High Temperature: 60

Rain Day: N

Wind: 0 to 10 mph

General:

Activities

Very cold morning again. The framers were able to work on Saturday. The rain fell thru the night and stopped early am.

The security trailer was removed Saturday afternoon around 2:30 pm. The security detail will change so that guards are walking around the project every 15 minutes.

OCCO wall framers are on site this am. They continued to work on the roof top sheathing. 2nd floor north office changes, misc hardware thru out 2nd floor. Install straps and nail them off on the roof. They passed nailing inspection this afternoon. Zack is scheduled tomorrow for Structural observation of the roof.

City Building inspector not available until Wednesday.

Plumbers back on site. They are laying out the 2nd floor carriages in the bathrooms, continue on the roof drain piping.

Al Garcia was out on site reviewing things today.

Sergio was on site 8 hours pumping standing rain water, and prepping for the heavy rains on Wednesday.



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Plumbers will continue to install roof drain piping.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-164

DATE: 02/12/2019

Job: 18049

Low Temperature: 33

Precipitation: 0

Sky: Cloudy

High Temperature: 66

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

Rain is forecast for tomorrow. We should be good to work all day tomorrow. Rain is forecast for heavy showers tomorrow and Thursday. Friday thru Sunday mild showers off and on.

OCCO wood framing has completed the 3/4" sheathing today. They have completed the HVAC sleepers. Ready for HVAC to set factory curbs. The parapet walls have begun. They are also working on the sheer on the tall South wall of stair #2. Pick up on the 2nd floor hardware also continues. Most of the guys are on the roof working.

PV & C two men working on rough in plumbing mostly on the 2nd floor.

We are ready for rain over the next dew days.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-165

DATE: 02/13/2019

Job: 18049

Low Temperature: 49

Precipitation: 2

Sky: 80% Rain

High Temperature: 59

Rain Day: Y

Wind: 0 to 10 mph

General:

Activities

no workers on the project today. Rain starting around 9 am. Very heavy rains anticipated.

Sergio will take the morning shift starting today to pump all necessary standing water at the parking lot. We will monitor the rain and standing water 24 hours a day starting this morning until the rain dissipates. The goal is to alleviate the flooding of all properties.



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OCCO will set up one 3" and one 1 1/2" pump this morning anticipating the rains. We also have more 3" pump if needed.

Rain today was not too bad. The heavy rains did not start until early evening. Eric is working the swing shift, with Rigo coming in around midnite.

OAC was a phone in mtg today. Patrich was not able to attend.

Certified By: Oltmans Construction Co.

Signed: _____
Jeff Rich

Date: 03/11/2019

Journal ID: DJ-166

DATE: 02/14/2019

Job: 18049

Low Temperature: 55

Precipitation: 2

Sky: 100% Rain

High Temperature: 60

Rain Day: Y

Wind: 0 to 10 mph

General:

Activities

4 am this morning and it is raining very hard. It has been raining very hard for several hours. The pumps are struggling to keep up with the standing water. We have two 3" pumps and one 1 1/2" pump going full blast. The heavy rains are suppose to last all day.

Yesterday the storm did not really hit the project until early evening. We had showers all day off and on, but the heavy rains came later in the day.

No workers fro the project on site today. Too much water.

Rigo began late last nite. Sergio is in now at 6:30 and will remain thru out the day. Eric worked the swing shift last nite. Eric will come in today after Sergio. No Rigo tonight. The rain should be over around the time Eric is off.

Jeff had a meeting with Norair the SEOR this morning at 10 am. Norair never showed up. Jeff will follow up tomorrow.

We plan to start removing water from within the site tomorrow.

Certified By: Oltmans Construction Co.

Signed: _____
Jeff Rich

Date: 03/11/2019



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Journal ID: DJ-167

DATE: 02/15/2019

Job: 18049

Low Temperature: 45

Precipitation: 1

Sky: 50% Rain

High Temperature: 56

Rain Day: Y

Wind: 0 to 5 mph

General:

Activities

We will try to see if we can do any work today. The forecast this morning is for rain by 10 am. The rain was very little over night. We have no standing water. There is a small chance for some showers on Sunday.

OCCO wall is in and will try to work.

Jeff has 5 men in to remove the water from the project. The guys will remove all straw waddle etc at the parking lot area 1st. Then they will inside the building. These guys worked 8 hours.

Juan and Marco are on site to review densglass, drywall, blocking etc.

It has begun to rain around 12:30. The crews are packing up and going.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-168

DATE: 02/18/2019

Job: 18049

Low Temperature: 41

Precipitation: 0

Sky: Clear

High Temperature: 57

Rain Day: N

Wind: ENE 10-20mph

General:

Activities

We had some rain showers over the weekend. No standing water. No issues with flooding. OCCO did not have to employ any flooding measures.

OCCO wood framers did work on Saturday. Partial crew.

No other workers were on site.

Monday

Very cold morning. Rain is forecast for Thursday of this week.

OCCO framers continue to work on the parapet walls on the roof, bathroom walls on the roof and sheer wall on the exterior South and East elevations.

All others off on Holiday for Presidents day.



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No school today.

Structural Engineers out next week some. Too busy this week.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-169

DATE: 02/19/2019

Job: 18049

Low Temperature: 41

Precipitation: 0

Sky: Clear

High Temperature: 60

Rain Day: N

Wind: NE at 5-10mph

General:

Activities

Very cold overnight. Rain is possible on Thursday.

OCCO Wall continues to build and stand walls on the roof penthouses. They will continue to install sheer panel on the exterior East side.

Waiting on the light poles for the East side before the sheer and DensGlass starts.

Safeway back on site roughing in boxes. South side exterior lights need boxes before sheer is installed.

PV & C continue to rough in 2nd floor, install roof drains. Jeff requested additional workers.

Continental on site to review glazing with me. Starts on the 11th.

Hufcor partitions heads were installed today. All is well.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-170

DATE: 02/21/2019

Job: 18049

Low Temperature: 48

Precipitation: 0

Sky: Cloudy

High Temperature: 56

Rain Day: N

Wind: N at 10 to 15

General:



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Activities

Wednesday. Rain is forecast for late afternoon. possible snow at very low elevations. Very cold morning.

OCCO wall onsite and continues to build and walls on the rooftop. Install exterior sheer at East wall, and some South wall.

Safeway on site. Installing electrical boxes on the South side exterior for lights.

PV & C on site. Need more men. More workers coming tomorrow.

KDR scheduled to be on site tomorrow. Need exterior steel posts for the fence on the roof.

Mechanical on site tomorrow.

Thursday. Very cold morning. It rained yesterday early evening. No standing water.

OCCO Wall. Building walls around the rooftop bathrooms. installing the roof on the bathroom. East side sheer complete. All sheer is being nailed off and straps being installed.

Safeway. Reviewing plans for 2nd floor and rooftop work. Chris is fairly new on the project and has to pick up for Trevor. Trevor has been hospitalized with the flu / pneumonia.

PV & C. Two men on site. They are working on the roof drains. This is their priority.

OCCO drywall on site. Juan is completing his take off for the roof material. A delivery was made in the morning. Stocking commenced. Marco met with Juan and reviewed the work, schedule, and manpower needs. Juan, Bill and myself reviewed the work and each others needs for coordination.

Job site closed at 2 pm. Rain began 1/2 hour ago. Very hard rain now at 2. The wind has picked up very hard.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: _____ 03/11/2019

Journal ID: DJ-171

DATE: 02/22/2019

Job: 18049

Low Temperature: 39

Precipitation: 0

Sky: Cloudy

High Temperature: 60

Rain Day: N

Wind: E @ 5-10 mph

General:

Activities

Very cold morning. We had snow last night down to 1000 foot level. Ice and water in the morning meeting was brought up to everyone on site. No smoking We had a complaint form the school next door. Jeff addressed with everyone.



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OCCO Framing continues to sheer the exterior, build walls, bracing, sheathing etc on the roof. The crew is scheduled to work tomorrow.

OCCO drywall is starting to do work at the interior where we can. Steel studs mostly. Limited drywall work only as needed.

PV & C continues on the roof drains. 2 men.

Safeway will begin to layout and install 2nd floor boxes. They are working with the power company for burying the ground wires at the front vault.

Mechanical on site to build and install roof curbs. Confirm all 1st floor wall penetrations for framers. Begin to lay out all required 2nd floor openings.

KDR on site to install fence posts, etc. We need to the light poles asap. They left early. Had an issue on another project. We will in tomorrow.

Izzi was sent home this morning for not complying with the proper PPE. He was wearing his jacket over his vest. I was very explicit this morning in our project meeting with all workers (Izzi was present) that all vests must be worn outside of all jackets etc.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: _____ 03/11/2019

Journal ID: DJ-172

DATE: 02/25/2019

Job: 18049

Low Temperature: 43

Precipitation: 0

Sky: High clouds

High Temperature: 67

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

OCCO framing working on the roof walls, rooftops, etc. Prepping for the crickets etc.

OCCO drywall has begun to install some rock at the partition doors, and prep for roll down doors.

Mechanical laying out HVAC curbs for misc rooftop installations.

Plumbers Working on toilets 2nd floor, rooftop drains, pipes etc.

Drop down doors due in this week.

Electricians tinkering around. Reviewing plans and laying out for the 2nd floor to begin.

Inspections for tomorrow have been called in



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Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-173

DATE: 02/26/2019

Job: 18049

Low Temperature: 42

Precipitation: 0

Sky: Cloudy

High Temperature: 68

Rain Day: N

Wind: E @ 5-10 mph

General:

Activities

OCCO framing continues thru out the project. Rooftop walls, roofs, etc. Exterior sheer, 2nd floor pick up etc.

PV & C working on 2nd floor toilets, roof drains, etc.

Safeway electric not doing much. Waiting to begin layout for the 2nd floor boxes etc.

Christian Bros mechanical working on rooftop HVAC curbs, heat pump curbs, etc.

Perlight continues to install scaffolding on the North side, then moved to the South side. John with perlight was upset they could not moved straight to the East side. Inspections had to be completed 1st.

A & D Fire is installing fire sprinkler pipe hangers. 1 man. Cannot get too crazy until after the rock is hung on the lids.

Deputy inspector is on site today to review the parapet wall framing, exterior sheer where completed. All passed by the Deputy Inspector Berdine.

City Building inspector on site for the same inspections. All passed by the City Inspector Jeff.

SEOR will be out tomorrow 9 30 am.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-174

DATE: 02/28/2019

Job: 18049

Low Temperature: 55

Precipitation: 0

Sky: AM Rain

High Temperature: 65

Rain Day: N

Wind: 0 to 5 mph

General:



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Activities

OCCO Wall working on the last of the HVAC curbs, Sheer wall at bathrooms & stairs, rooftops at all rooftop structures.

OCCO Drywall working on densglass on the exterior, then moved up to the roof.

Electrician continues to draw up 2nd floor layout.

Plumbers connecting the roof drain piping from the roof down. Should be almost complete tomorrow.

HVAC working on drawings for 2nd floor changes due to ceiling heights.

Fire sprinklers continue to install hangers. Waiting on drywall lids.

Certified By: Oltmans Construction Co.

Signed: _____
Jeff Rich

Date: _____
03/11/2019



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM

PCI026

TITLE: Weather Remediation February (JWO #12 - 14) **DATE:** 03/18/2019
PROJECT: Magnolia Science Academy **PROJECT NO.:** 18049
TO:
Magnolia Educational and Research Foundation
 250 E. 1st St., 1500
 Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment required for weather remediation including rain monitoring, preparation and clean up. Preparation for weather includes protection of building with plastic and neighbors property line with plastic and gravel/sandbags, weather clean-up including pumping and sweeping water from building and parking lot including south property at neighbors wall).

The added costs include:

_JWO #12 - Weather Preparation & Weather Remediation 1/31/19 to 2/6/19 \$15,428
 _JWO #13 - Weather Preparation & Weather Remediation 2/11/19 \$1,502
 _JWO #14 - Weather Preparation & Weather Remediation 2/13/19 to 2/15/19 \$7,996

This PCI excludes any items not identified above.

Vendor	Description	Amount
	SWPPP L,M,E - Weather Remediation - JWO #12	15,428.00
	SWPPP L,M, E - Weather Remediation - JWO #13	1,502.00
	SWPPP L, M, E - Weather Remediation - JWO #14	7,996.00
	Bond	204.00
	Gross Tax	33.00
	GL	242.00
	SDI	312.00
	Fee	1,274.00
	SUBTOTAL:	26,991.00
	TOTAL COST FOR THIS CHANGE ORDER REQUEST:	26,991.00

APPROVAL:

Oltmans Construction Co.

BY: Trevor Lawton**DATE:****APPROVAL:**

Magnolia Educational and Research

BY:**DATE:**

Oltmans

CONSTRUCTION CO.

Project: **Magnolia Science Academy**
 Job #: **18049**
 JWO #: **12**
 JWO Date: **1/31/19 to 2/6/19**

Weather Remediation 1/31/19 to 2/6/19. Weather remediation including monitoring rain, checking that everything is protected in building, pumping water from parking lot and by neighbor fences as requested by MSA and

Description: **sweep water off building.**

By: **Jeff Rich**

PM: **Trevor Lawton**

Date Entered: **3/18/19/EL**

Description	Qty.		Labor Rate	Equip/ Mat'l. Rate	Labor	Equip/ Mat'l.
Classifications						
1						
2	Jeff Rich -Superintendent	6.0	hrs	\$ 91.52		\$549.12
3	Journeyman Carpenter -Martin Mejia-MD	8.0	hrs	\$ 71.16		\$569.28
4	Journeyman Carpenter -Jose Paz-MD	8.0	hrs	\$ 71.16		\$569.28
5	Journeyman Carpenter -Rigoberto Garzon-MD	24.0	hrs	\$ 71.16		\$1,707.84
6	Journeyman Carpenter -Sergio Velarde-MD	27.0	hrs	\$ 71.16		\$1,921.32
7	Journeyman Carpenter -Jose Rodriquez-MD	24.0	hrs	\$ 71.16		\$1,707.84
8	Journeyman Carpenter -Fidel Fierro-MD	16.0	hrs	\$ 71.16		\$1,138.56
9	Journeyman Carpenter -Jose Angel Aquilar-MD	22.0	hrs	\$ 71.16		\$1,565.52
10	Journeyman Carpenter -Eric Acevedo	16.0	hrs	\$ 71.16		\$1,138.56
11			hrs			\$0.00
12			hrs			\$0.00
13	yard deliveries (1)	1.0	hrs			\$0.00
		TOTAL		152.0	hr	

Equipment / Materials						
1	pump 1 1/2" WP20X (yard)	4.0	EA		24.00	\$96.00
2	Subpump 1 1/2" (yard)	10.0	EA		17.00	\$170.00
3	1-Gas pump 3"	1.0	EA		33.00	\$33.00
4	5 rolls visqueen plastic 6 mill & Duct tape (JR home depot)	1.0	LS		489.34	\$489.34
5	back hoe blade sand & gravel at parking lot	1.0			40.00	\$40.00
6	Trash pump (yard)	4.0	EA		55.00	\$220.00
7	rain gear	1.0	EA		12.00	\$12.00
8	De silting bag (yard)	2.0	EA		66.95	\$133.90
9	3" discharge hose (yard)	6.0	EA		32.00	\$192.00
10	1.5" discharge hose (yard)	6.0	EA		75.00	\$450.00
11	1.5" intake hose (yard)	1.0	EA		45.00	\$45.00
12	3" intake hose (yard)	1.0	EA		65.00	\$65.00
13	gas (for pumps - JR)	1.0	LS		78.63	\$78.63
14	5 shop vacs	5.0	EA		108.00	\$540.00
15	4 fans	4.0	EA		80.00	\$320.00
16	gravel/sand (yard)	100.0	EA		2.73	\$273.00
Subtotals					\$10,867.32	\$3,157.87
Small Tools (included in labor rate)					0.00%	\$0.00
Subtotal						\$10,867.32
Labor Burden (included in labor rate)					0.00%	\$0.00
Material & Equipment						\$3,157.87
Subtotal						\$14,025.19
Liability Insurance					0.00%	\$0.00
Subtotal						\$14,025.19
Self-Performed OH&P					10.00%	\$1,402.52
TOTAL						\$15,427.71

EXCLUDES:

a) All subcontractor work (if any).

IMPORTANT:

When JWO is approved, notify the estimator so the Labor and Material Report can be updated.



Average Wage Rates from July 18 to June 19

From: James Bogle

Date: 8/22/2018 - updated 01/25/19

		Base Rate	Car Allowance	Total w/o Burden or Small Tools	Burden 41.50%	Small Tool Allowance 1.50%	Total
General Condition Rates							
1	Sr. Project Manager	\$84.00	\$2.60	\$86.60	\$35.94	\$1.30	\$123.84
2	Project Manager	\$72.00	\$2.60	\$74.60	\$30.96	\$1.12	\$106.68
3	Sr. Project Engineer	\$55.00	N.A.	\$55.00	\$22.83	\$0.83	\$78.65
4	Project Engineer	\$48.00	N.A.	\$48.00	\$19.92	\$0.72	\$68.64
5	Assist Project Manager	\$42.00	N.A.	\$42.00	\$17.43	\$0.63	\$60.06
6	Safety Inspector	\$65.00	\$2.60	\$67.60	\$28.05	\$1.01	\$96.67
7	General Field Superintendent	\$85.00	\$2.60	\$87.60	\$36.35	\$1.31	\$125.27
8	Project Executive	\$95.00	\$2.60	\$97.60	\$40.50	\$1.46	\$139.57
9	Superintendent (shell)	\$64.00	N.A.	\$64.00	\$26.56	\$0.96	\$91.52
10	Superintendent (T.I.)	\$57.00	N.A.	\$57.00	\$23.66	\$0.86	\$81.51

Tilt-up - Union Labor Rates

1	Carpenter Foreman	\$52.25	N.A.	\$52.25	\$21.68	\$0.78	\$74.72
2	Carpenter	\$35.20	N.A.	\$35.20	\$14.61	\$0.53	\$50.34
3	Carpenter Journeyman	\$37.60	N.A.	\$37.60	\$15.60	\$0.56	\$53.77
4	Labor Foreman	\$30.70	N.A.	\$30.70	\$12.74	\$0.46	\$43.90
5	Labor	\$26.60	N.A.	\$26.60	\$11.04	\$0.40	\$38.04
6	Labor Journeyman	\$28.60	N.A.	\$28.60	\$11.87	\$0.43	\$40.90

Full Commercial - Union Labor Rates

1	Carpenter Foreman	\$52.25	N.A.	\$52.25	\$21.68	\$0.78	\$74.72
2	Carpenter	\$45.75	N.A.	\$45.75	\$18.99	\$0.69	\$65.42
3	Carpenter Journeyman	\$49.76	N.A.	\$49.76	\$20.65	\$0.75	\$71.16
4	Labor Foreman	\$46.32	N.A.	\$46.32	\$19.22	\$0.69	\$66.24
5	Labor	\$42.00	N.A.	\$42.00	\$17.43	\$0.63	\$60.06
6	Labor Journeyman	\$46.00	N.A.				

Prevailing Rates

1	Carpenter	\$45.95	N.A.	\$45.95	\$19.07	\$0.69	\$65.71
2	Laborer	\$42.20	N.A.	\$42.20	\$17.51	\$0.63	\$60.35

(Rates apply to the following counties: Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara San Luis Obispo and Ventura counties)

On July 1, 2019, carpenter and labor rates will be re-negotiated.



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Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-155

DATE: 01/30/2019

Job: 18049

Low Temperature: 50

Precipitation: 0

Sky: Cloudy

High Temperature: 72

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

OCCO wall out today trying to complete the sheathing for the upcoming rain. OCCO wall framing the bathroom walls, pick up 2nd floor, framing out roof drain openings, installing blocking for HVAC units, sheathing etc on the roof. They had to stop at noon to install plastic over the entire roof of the building etc.

Rain is forecast for 100% tomorrow all day. Heavy rain expected again on Saturday. OCCO has been directed from owners to once again prep and pump all water etc off of the property to assist with the flooding issue at the South PL. Jeff will schedule one man with a pump and hoses as needed.

Safeway will continue to remove spoils from the front of the building at the vault area. All complete.

PV & C finally received their material around 3 pm yesterday. No time to install drains at all. They will do what they can with the roof drains.

No HVAC on site.

State Water Board rep was on site today. He met with Trevor (David Marin on phone) and Patrich Ontevaros. They reviewed the project and addressed the complaint by a neighbor. Trevor is heading up this issue.

Safety Director Bob, was on site today. We had several safety issues. All issues were addressed immediately.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-156

DATE: 01/31/2019

Job: 18049

Low Temperature: 55

Precipitation: 1

Sky: 80% Rain

High Temperature: 58

Rain Day: Y

Wind: NW at 10 to 15

General:

Activities



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Rain day. Job site shut down. The entire roof is covered with plastic. We will keep covered thru Monday.

OCCO will monitor rain and pump out ponding as water as needed. 1 man with pumps, hoses etc is on site. The rain was actually very heavy for long periods of time today. The 1 pump was not enough. We will need to bring in additional pumps for tomorrows heavy rain. Sergio was on site for 8 hours today. The yard is sending out 1 additional 1 1/2" pump and 1 3" pump both with hose.

All other trades were off site today.

Jeff leaving early. Going to doctor for back.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: _____ 03/11/2019

Journal ID: DJ-157

DATE: 02/01/2019

Job: 18049

Low Temperature: 44

Precipitation: 0

Sky: Cloudy

High Temperature: 61

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

Very wet and damp this morning. We had some very heavy rains yesterday.

OCCO wall will be on site today with a limited crew. They will work on this inside where available.

Heavy rains expected tomorrow. Sergio and crew will be on site to monitor the rain water and pump as needed. Suppose to rain all day and into the evening. Jeff left early for back issues.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: _____ 03/11/2019

Journal ID: DJ-158

DATE: 02/04/2019

Job: 18049

Low Temperature: 55

Precipitation: 1

Sky: 80% Rain

High Temperature: 60

Rain Day: Y

Wind: NW at 10 to 15

General:

Activities

it rained all weekend. We pumped standing water all weekend. We have rain again today thru tomorrow afternoon.



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NO workers on site. Too much water.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-159

DATE: 02/05/2019

Job: 18049

Low Temperature: 45

Precipitation: 0.5

Sky: 80% Rain

High Temperature: 64

Rain Day: Y

Wind: 0 to 10 mph

General:

Activities

Raining this am. The rain is expected to stop sometime this morning. Sergio pumped water from 11pm last night until 7:30 this morning. Jose and Rigo finished pumping the water, then began to sweep out the water from the building.

No workers on site today. Too much rain water.

Al Garcia was out and we went over the schedule, the rooftop concrete pour etc. good meeting.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-160

DATE: 02/06/2019

Job: 18049

Low Temperature: 38

Precipitation: 0

Sky: Clear

High Temperature: 56

Rain Day: N

Wind: NE at 5-10mph

General:

Activities

No rain forecast for today. We will begin to removal the plastic off of the roof this morning. We will continue to remove the water from the interior of the building.

5 men scheduled to complete the water removal etc from the building today.

OCCO wood framing will be onsite today. Partial crew until tomorrow. I need to have all of the water removed before a full crew can work.

Electricians, HVAC, plumbers all off site today. They may return tomorrow.

Roofers put off until after rain has stopped and the framing is caught up.



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Hufcor partitions installation of the header and ordering the doors have been put off until the rain stops and roof is installed.

Martin Mejia
 Jose A Aguilar
 Jose E paz
 Rigoberto Garzon
 Sergio Velarde

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Journal ID: DJ-161

DATE: 02/07/2019

Date: 03/11/2019

Job: 18049

Low Temperature: 32

Precipitation: 0

Sky: Clear

High Temperature: 59

Rain Day: N

Wind: 0 to 10 mph

General:

Activities

Very cold this morning. 34 degrees at 4:30 am. I was in early. I watched the guards for approx 30 minutes. They were awake and watching the project.

OCCO wall was on site this am. They continued to work on the roof deck sheathing the 3/4" plywood.

I met with Johann yesterday on site. We went over many of the small issues we have been encountering while framing the roof. We reviewed the following:

- 1- The doorway stoop from stairs #2 to the roof. The stoop will be 1 %, then feather into the roof deck with the concrete.
- 2- The deck will be extended from the ridge line to the East side of elevator between the bathroom and stairwell #1. This will help with keeping water away from the elevator entrance. A small swell will also be created in front of the elevator to keep water out of the elevator pit altogether.
- 3- We discussed the parapet walls. The over all heights, etc on both of the exterior and interior walls.

KDR was on site all day. They moved stairwell #2 away from the wood framed wall. They welded the landings, etc. They began to shoot the exterior fence posts for elevations etc. They need to get the posts prepped for the parapet walls, move the dog ears, add lengths as needed etc. They need to get the light posts built and installed.

Jwo 12

ARCO GASOLINE

ARCO AMPM #42105
6039 RESEDA BLVD.
TARZANA CA
ARCO42105001
VeriFone Gold Disk

CASH Reimburse JOK

Description	Qty	Amount
UNLD CA #08 SELF @ 2.999/ G	4.850G	14.55
	Subtotal	14.55
	Tax	0.00
TOTAL		14.55
	CASH \$	16.00
	CASH \$	-1.45

THANK YOU
FOR CHOOSING ARCO
COMMENTS?

CALL 1-800-322-2726

ST# 42105 TLL XXXX DR# 1 TRAN# 1027116
C: 19 02/02/19 07:48:25

Reimbursement to JOK

*paid cash out of pocket to Bank
now operator to Bank Blade lot*



ATMs WHERE YOU NEED THEM
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*S. M. ...
S. M. ...
C. ...
C. ...*

01/11/19 12:11 ICAN1213
XXXXXXXX5770
*RESEDA
RESEDA CA

Ser. No. 3036
DEBIT
A0000000042203
Withdrawal \$40.00
From XXXXXXXXXXXXXXX0873 Checking \$3.00
ATM Owner Fee \$3.00
Total Amount \$43.00

Member FDIC



Next time use your phone instead of your card.
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Jwo 12

ARCO GASOLINE

ARCO AMPM #42105
6039 RESEDA BLVD.
TARZANA CA
ARCO42105001
VeriFone Gold Disk

CASH Reimburse JOK

Description	Qty	Amount
UNLD CA #01 SELF @ 2.999/ G	8.028G	24.08
	Subtotal	24.08
	Tax	0.00
TOTAL		24.08
	CASH \$	30.00
	CASH \$	-5.92

THANK YOU
FOR CHOOSING ARCO
COMMENTS?

CALL 1-800-322-2726

ST# 42105 TILL XXXX DR# 1 TRAN# 1027819
CSH: 20 02/03/19 07:14:04

Gasoline for utility pumps

JWO# 12

7208 RESEDA BLVD.
RESEDA CA 91335

UNITED OIL 9861
10194512
7208 RESEDA BLVD
RESEDA, CA

01/31/2019 181513210
08:39:34 AM

7034
WEX

INVOICE 083629
AUTH 00-646758
REF 670030131190836
000 18049

REPRINT *** REPRINT
PUMP# 2
REGULAR 9.003G
PRICE/GAL \$3.199

FUEL TOTAL \$ 28.80

Total = \$ 28.80
REPRINT *** REPRINT

CREDIT \$ 28.80
COMPLETION
SWIPE Exp.Date:**/**
Batch: 67 Seq Num: 3
Term ID: 2
Vehicle Card
Number: 77646
Workstation ID: 00
Your opinion
counts! Enter to
Win 1 of 60 \$25
gas gift cards!!!
Provide feedback
www.gasvisit.com

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REGISTER TO WIN AT
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*Lower roof covered w/
plastic rain divert.*



**More saying.
More doing.**

sup #12

ISSA.KHOURY@HOMEDEPOT.COM (818) 7805448
16800 ROSCOE BLVD. VAN NUYS, CA 91406

6661 00013 79809 01/30/19 11:59 AM
SELF CHECK OUT

075353125144 60YD DCK PRO <A>
DUCK PRO 1.88IN X 60YD SILVER DUCT
7@7.97 55.79
Total INSTANT VOL SAVINGS -8.40
MAX REFUND VALUE \$47.39/7
073257012911 POLY SHEET <A>
20'X100' 6MIL CLEAR POLY SHEETING
5@94.00 470.00
Total INSTANT VOL SAVINGS -70.50
MAX REFUND VALUE \$399.50/5

SUBTOTAL 446.89
SALES TAX 42.45
TOTAL \$489.34
XXXXXXXXXXXX5770 HOME DEPOT 489.34
AUTH CODE 030156/3136911 TA

OLTMANS CONSTRUCTION CO
RICH JEFFREY

PRO XTRA MEMBER STATEMENT

PRO XTRA ###-###-4242 SUMMARY
THIS RECEIPT PO/JOB NAME: 18049

PRO XTRA SPEND THIS VISIT: \$446.89

2019 PRO XTRA SPEND 01/29: \$17,259.51

As of 01/30/2019 your Paint Rewards level is Bronze; Spend 3818.12 more in qualifying paint purchases to earn Silver (15.0% off) on select paint items.

This purchase qualifies for FUEL DISCOUNTS and 60 DAYS TO PAY on The Home Depot Commercial Credit Card. Ask an Associate to learn more or go to homedepot.com/financeoptions.



6661 13 79809 01/30/2019 8569

RETURN POLICY DEFINITIONS
POLICY ID DAYS POLICY EXPIRES ON
A 11 365 01/30/2020

DID WE NAIL IT?

Take a short survey for a chance TO WIN
A \$5,000 HOME DEPOT GIFT CARD

Opine en español

www.homedepot.com/survey

User ID: H88 166568 159920
PASSWORD: 19080 159907

Entries must be completed within 14 days of purchase. Entries must be 18 or older to enter. See complete rules on website. No purchase necessary.

MARK

*GAS
RECEIPT.*

Jwd #12

7208 RESEDA BLVD.
RESEDA CA 91335

UNITED CIL 9861
10194512
7208 RESEDA BLVD
RESEDA, CA

02/04/2019 181515119
08:57:04 AM

7034
WEX

INVOICE 085521
AUTH 00: 725982
REF 050: 60204190855
ODO 180.9

PUMP# 4
REGULAR 3.500G
PRICE/GAL \$3.199
FUEL TOTAL \$ 11.20

Total = \$ 11.20

CREDIT \$ 11.20
COMPLETION
SWIPE Exp.Date: **/**
Batch: 1 Seq Num: 36
Term ID 4
Vehicle Card
Number: 77646
Workstation ID: 00
Your opinion counts! Enter to Win 1 of 60 \$25 gas gift cards!!!
Provide feedback
www.gasvisit.com

WANT FREE GAS?
REGISTER TO WIN AT
WWW.GASVISIT.COM

Oltmans

CONSTRUCTION CO.

Project: **Magnolia Science Academy**Job #: **18049**JWO #: **13**JWO Date: **2/11/2019**

Weather Remediation on 2/11/19. Weather remediation including monitoring rain, checking that everything is protected in building for rain the next day, pumping water from parking lot and by neighbor fences as requested

Description: **by MSA .**By: **Jeff Rich**PM: **Trevor Lawton**Date Entered: **3/18/19/EL**

Description		Qty.	Labor Rate	Equip/ Mat'l. Rate	Labor	Equip/ Mat'l.
Classifications						
1		0.0	hrs			\$0.00
2		0.0	hrs			\$0.00
3	Journeyman Carpenter -Sergio Velarde-MD	8.0	hrs	\$ 71.16		\$569.28
4			hrs			\$0.00
5			hrs			\$0.00
6			hrs			\$0.00
7			hrs			\$0.00
8			hrs			\$0.00
9			hrs			\$0.00
10			hrs			\$0.00
11			hrs			\$0.00
12			hrs			\$0.00
13	yard deliveries (1) - Labor	4.0	hrs	\$ 60.06		\$240.24
TOTAL		12.0	hr			

Equipment / Materials		Qty.	EA	Rate	Labor	Equip/ Mat'l.
1	1 electric pump 1 1/2"	1.0	EA	24.00		\$24.00
2	1 1/2" intake hose	1.0	EA	45.00		\$45.00
3	4 fans	4.0	EA	80.00		\$320.00
4	1 1/2" discharge hose	1.0	EA	75.00		\$75.00
5						\$0.00
6						\$0.00
7						\$0.00
8						\$0.00
9	Delivery Equipment Fee (1110.08)	1.0	LS	92.00		\$92.00
						\$0.00
<i>Subtotals</i>						\$809.52
Small Tools (included in labor rate)					0.00%	\$0.00
<i>Subtotal</i>						\$809.52
Labor Burden (included in labor rate)					0.00%	\$0.00
Material & Equipment						\$556.00
<i>Subtotal</i>						\$1,365.52
Liability Insurance					0.00%	\$0.00
<i>Subtotal</i>						\$1,365.52
Self-Performed OH&P					10.00%	\$136.55
TOTAL						\$1,502.07

EXCLUDES:

a) All subcontractor work (if any).

IMPORTANT:

When JWO is approved, notify the estimator so the Labor and Material Report can be updated.



Average Wage Rates from July 18 to June 19

From: James Bogle

Date: 8/22/2018 - updated 01/25/19

	Base Rate	Car Allowance	Total w/o Burden or Small Tools	Burden 41.50%	Small Tool Allowance 1.50%	Total	
General Condition Rates							
1	Sr. Project Manager	\$84.00	\$2.60	\$86.60	\$35.94	\$1.30	\$123.84
2	Project Manager	\$72.00	\$2.60	\$74.60	\$30.96	\$1.12	\$106.68
3	Sr. Project Engineer	\$55.00	N.A.	\$55.00	\$22.83	\$0.83	\$78.65
4	Project Engineer	\$48.00	N.A.	\$48.00	\$19.92	\$0.72	\$68.64
5	Assist Project Manager	\$42.00	N.A.	\$42.00	\$17.43	\$0.63	\$60.06
6	Safety Inspector	\$65.00	\$2.60	\$67.60	\$28.05	\$1.01	\$96.67
7	General Field Superintendent	\$85.00	\$2.60	\$87.60	\$36.35	\$1.31	\$125.27
8	Project Executive	\$95.00	\$2.60	\$97.60	\$40.50	\$1.46	\$139.57
9	Superintendent (shell)	\$64.00	N.A.	\$64.00	\$26.56	\$0.96	\$91.52
10	Superintendent (T.I.)	\$57.00	N.A.	\$57.00	\$23.66	\$0.86	\$81.51

Tilt-up - Union Labor Rates

1	Carpenter Foreman	\$52.25	N.A.	\$52.25	\$21.68	\$0.78	\$74.72
2	Carpenter	\$35.20	N.A.	\$35.20	\$14.61	\$0.53	\$50.34
3	Carpenter Journeyman	\$37.60	N.A.	\$37.60	\$15.60	\$0.56	\$53.77
4	Labor Foreman	\$30.70	N.A.	\$30.70	\$12.74	\$0.46	\$43.90
5	Labor	\$26.60	N.A.	\$26.60	\$11.04	\$0.40	\$38.04
6	Labor Journeyman	\$28.60	N.A.	\$28.60	\$11.87	\$0.43	\$40.90

Full Commercial - Union Labor Rates

1	Carpenter Foreman	\$52.25	N.A.	\$52.25	\$21.68	\$0.78	\$74.72
2	Carpenter	\$45.75	N.A.	\$45.75	\$18.99	\$0.69	\$65.42
3	Carpenter Journeyman	\$49.76	N.A.	\$49.76	\$20.65	\$0.75	\$71.16
4	Labor Foreman	\$46.32	N.A.	\$46.32	\$19.22	\$0.69	\$66.24
5	Labor	\$42.00	N.A.	\$42.00	\$17.43	\$0.63	\$60.06
6	Labor Journeyman	\$46.00	N.A.				

Prevailing Rates

1	Carpenter	\$45.95	N.A.	\$45.95	\$19.07	\$0.69	\$65.71
2	Laborer	\$42.20	N.A.	\$42.20	\$17.51	\$0.63	\$60.35

(Rates apply to the following counties: Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara San Luis Obispo and Ventura counties)

On July 1, 2019, carpenter and labor rates will be re-negotiated.



01 - Oltmans Construction Co.
PROJECT MANAGEMENT - DAILY JOURNAL
Project 18049 - Magnolia Science Academy

Page: 16 of 24
 Date: 03/11/2019
 Time: 5:07 PM PDT

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-162

DATE: 02/08/2019

Job: 18049

Low Temperature: 35

Precipitation:

Sky: Cloudy

High Temperature: 60

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

Very cold morning. 34 degrees again this morning. Frost warning was issued. Forecast is for rain on Saturday am and into Sunday. We will plan and try to work on Saturday if not too wet.

OCCO wood framers on site all day. They completed most of the sheathing on the roof. They continued to work on pick up on the 2nd floor.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-163

DATE: 02/11/2019

Job: 18049

Low Temperature: 42

Precipitation: 0

Sky: Cloudy

High Temperature: 60

Rain Day: N

Wind: 0 to 10 mph

General:

Activities

Very cold morning again. The framers were able to work on Saturday. The rain fell thru the night and stopped early am.

The security trailer was removed Saturday afternoon around 2:30 pm. The security detail will change so that guards are walking around the project every 15 minutes.

OCCO wall framers are on site this am. They continued to work on the roof top sheathing. 2nd floor north office changes, misc hardware thru out 2nd floor. Install straps and nail them off on the roof. They passed nailing inspection this afternoon. Zack is scheduled tomorrow for Structural observation of the roof.

City Building inspector not available until Wednesday.

Plumbers back on site. They are laying out the 2nd floor carriages in the bathrooms, continue on the roof drain piping.

Al Garcia was out on site reviewing things today.

Sergio was on site 8 hours pumping standing rain water, and prepping for the heavy rains on Wednesday.

Oltmans

CONSTRUCTION CO.

Project: **Magnolia Science Academy**Job #: **18049**JWO #: **14**JWO Date: **2/13 thur 2/15/2019**

Description: **Weather Remediation 2/13/19 to 2/18/19. Weather remediation included checking that everything is protected in building, pumping water from parking lot and by neighbor fences as requested by MSA. Removing plastic to work.**

By: **Jeff Rich**PM: **Trevor Lawton**Date Entered: **3/18/19-EL**

Description	Qty.	Labor Rate	Equip/ Mat'l. Rate	Labor	Equip/ Mat'l.
Classifications					
1		0.0 hrs			\$0.00
2	Jeff Rich	4.0 hrs	\$ 91.52		\$366.08
3	Journeyman Carpenter - Rigoberto G. MD	16.0 hrs	\$ 71.16		\$1,138.56
4	Journeyman Carpenter - Sergio V. MD	32.0 hrs	\$ 71.16		\$2,277.12
5	Journeyman Carpenter - Jose Paz-MD	8.0 hrs	\$ 71.16		\$569.28
6	Journeyman Carpenter - Jose A. MD	8.0 hrs	\$ 71.16		\$569.28
7	Journeyman Carpenter - Eric A.	24.0 hrs	\$ 71.16		\$1,707.84
8					\$0.00
9					\$0.00
10					\$0.00
11					\$0.00
12					\$0.00
13					\$0.00
14	yard deliveries (1)	hrs			\$0.00
TOTAL		92.0 hr			

MD = Mead

Equipment / Materials					
1	1 electric pump 1 1/2" (JR)	1.0	EA	24.00	\$24.00
2	(2) 3" pumps	2.0	EA	33.00	\$66.00
3	1 1/2" discharge hose	1.0	EA	75.00	\$75.00
4	3" discharge hose	2.0	EA	32.00	\$64.00
6	rain gear (coat & boots)	1.0	EA	63.54	\$63.54
7	(4) fans	4.0	EA	80.00	\$320.00
8	Gas for pumps	1.0	LS	28.80	\$28.80
9					\$0.00
					\$0.00
<i>Subtotals</i>				\$6,628.16	\$641.34
Small Tools				0.00%	\$0.00
<i>Subtotal</i>				\$6,628.16	
Labor Burden				0.00%	\$0.00
Material & Equipment					\$641.34
<i>Subtotal</i>				\$7,269.50	
Liability Insurance				0.00%	\$0.00
<i>Subtotal</i>				\$7,269.50	
Self-Performed OH&P				10.00%	\$726.95
TOTAL					\$7,996.45

EXCLUDES:

a) All subcontractor work (if any).

IMPORTANT:

When JWO is approved, notify the estimator so the Labor and Material Report can be updated.



Average Wage Rates from July 18 to June 19

From: James Bogle

Date: 8/22/2018 - updated 01/25/19

		Base Rate	Car Allowance	Total w/o Burden or Small Tools	Burden 41.50%	Small Tool Allowance 1.50%	Total
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Tilt-up - Union Labor Rates

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4	Labor Foreman	\$30.70	N.A.	\$30.70	\$12.74	\$0.46	\$43.90
5	Labor	\$26.60	N.A.	\$26.60	\$11.04	\$0.40	\$38.04
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Full Commercial - Union Labor Rates

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2	Carpenter	\$45.75	N.A.	\$45.75	\$18.99	\$0.69	\$65.42
3	Carpenter Journeyman	\$49.76	N.A.	\$49.76	\$20.65	\$0.75	\$71.16
4	Labor Foreman	\$46.32	N.A.	\$46.32	\$19.22	\$0.69	\$66.24
5	Labor	\$42.00	N.A.	\$42.00	\$17.43	\$0.63	\$60.06
6	Labor Journeyman	\$46.00	N.A.				

Prevailing Rates

1	Carpenter	\$45.95	N.A.	\$45.95	\$19.07	\$0.69	\$65.71
2	Laborer	\$42.20	N.A.	\$42.20	\$17.51	\$0.63	\$60.35

(Rates apply to the following counties: Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara San Luis Obispo and Ventura counties)

On July 1, 2019, carpenter and labor rates will be re-negotiated.

Elizabeth Lara

From: Jeff Rich
Sent: Tuesday, February 12, 2019 6:30 AM
To: Trevor Lawton; pontiveros@magnoliapublicschools.org; Mustafa Sahin
Cc: Elizabeth Lara; Juan Acevedo; Al Garcia; Tim Heck
Subject: Magnolia rain forecast

Good morning to all. We have some heavy rain forecast for tomorrow and Thursday. OCCO will schedule to pump all standing water from the parking lot as requested.

OCCO will then remove the water from the building on Friday.

The forecast is for some possible light showers over the weekend, then we should have some clear weather for a week or so.

Contact me direct with any questions.

Thank you.

Jeff Rich
Superintendent
Oltmans Construction Co.
C 562.217.5741
jeffr@oltmans.com

Trevor Lawton

From: Jeff Rich
Sent: Thursday, February 14, 2019 7:21 AM
To: Trevor Lawton; Patrick Ontiveros; Mustafa Sahin
Subject: MSA rain

Good morning to all. We had some very heavy rains overnight and into the early morning. We expect more heavy rain thru today and into the evening. OCCO will continue to monitor the standing water and pump it out as needed.

All is well. No issues overnight.

Jeff

Jeff Rich
Superintendent
Oltmans Construction Co.
C 562.217.5741
jeffr@oltmans.com



01 - Oltmans Construction Co.
PROJECT MANAGEMENT - DAILY JOURNAL
Project 18049 - Magnolia Science Academy

Page: 17 of 24
 Date: 03/11/2019
 Time: 5:07 PM PDT

Plumbers will continue to install roof drain piping.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-164

DATE: 02/12/2019

Job: 18049

Low Temperature: 33

Precipitation: 0

Sky: Cloudy

High Temperature: 66

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

Rain is forecast for tomorrow. We should be good to work all day tomorrow. Rain is forecast for heavy showers tomorrow and Thursday. Friday thru Sunday mild showers off and on.

OCCO wood framing has completed the 3/4" sheathing today. They have completed the HVAC sleepers. Ready for HVAC to set factory curbs. The parapet walls have begun. They are also working on the sheer on the tall South wall of stair #2. Pick up on the 2nd floor hardware also continues. Most of the guys are on the roof working.

PV & C two men working on rough in plumbing mostly on the 2nd floor.

We are ready for rain over the next dew days.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-165

DATE: 02/13/2019

Job: 18049

Low Temperature: 49

Precipitation: 2

Sky: 80% Rain

High Temperature: 59

Rain Day: Y

Wind: 0 to 10 mph

General:

Activities

no workers on the project today. Rain starting around 9 am. Very heavy rains anticipated.

Sergio will take the morning shift starting today to pump all necessary standing water at the parking lot. We will monitor the rain and standing water 24 hours a day starting this morning until the rain dissipates. The goal is to alleviate the flooding of all properties.



01 - Oltmans Construction Co.
PROJECT MANAGEMENT - DAILY JOURNAL
Project 18049 - Magnolia Science Academy

Page: 18 of 24
Date: 03/11/2019
Time: 5:07 PM PDT

OCCO will set up one 3" and one 1 1/2" pump this morning anticipating the rains. We also have more 3" pump if needed.

Rain today was not too bad. The heavy rains did not start until early evening. Eric is working the swing shift, with Rigo coming in around midnite.

OAC was a phone in mtg today. Patrich was not able to attend.

Certified By: Oltmans Construction Co.

Signed: _____
Jeff Rich

Date: 03/11/2019

Journal ID: DJ-166

DATE: 02/14/2019

Job: 18049

Low Temperature: 55

Precipitation: 2

Sky: 100% Rain

High Temperature: 60

Rain Day: Y

Wind: 0 to 10 mph

General:

Activities

4 am this morning and it is raining very hard. It has been raining very hard for several hours. The pumps are struggling to keep up with the standing water. We have two 3" pumps and one 1 1/2" pump going full blast. The heavy rains are suppose to last all day.

Yesterday the storm did not really hit the project until early evening. We had showers all day off and on, but the heavy rains came later in the day.

No workers fro the project on site today. Too much water.

Rigo began late last nite. Sergio is in now at 6:30 and will remain thru out the day. Eric worked the swing shift last nite. Eric will come in today after Sergio. No Rigo tonight. The rain should be over around the time Eric is off.

Jeff had a meeting with Norair the SEOR this morning at 10 am. Norair never showed up. Jeff will follow up tomorrow.

We plan to start removing water from within the site tomorrow.

Certified By: Oltmans Construction Co.

Signed: _____
Jeff Rich

Date: 03/11/2019



01 - Oltmans Construction Co.
PROJECT MANAGEMENT - DAILY JOURNAL
Project 18049 - Magnolia Science Academy

Page: 19 of 24
 Date: 03/11/2019
 Time: 5:07 PM PDT

Journal ID: DJ-167

DATE: 02/15/2019

Job: 18049

Low Temperature: 45

Precipitation: 1

Sky: 50% Rain

High Temperature: 56

Rain Day: Y

Wind: 0 to 5 mph

General:

Activities

We will try to see if we can do any work today. The forecast this morning is for rain by 10 am. The rain was very little over night. We have no standing water. There is a small chance for some showers on Sunday.

OCCO wall is in and will try to work.

Jeff has 5 men in to remove the water from the project. The guys will remove all straw waddle etc at the parking lot area 1st. Then they will inside the building. These guys worked 8 hours.

Juan and Marco are on site to review densglass, drywall, blocking etc.

It has begun to rain around 12:30. The crews are packing up and going.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-168

DATE: 02/18/2019

Job: 18049

Low Temperature: 41

Precipitation: 0

Sky: Clear

High Temperature: 57

Rain Day: N

Wind: ENE 10-20mph

General:

Activities

We had some rain showers over the weekend. No standing water. No issues with flooding. OCCO did not have to employ any flooding measures.

OCCO wood framers did work on Saturday. Partial crew.

No other workers were on site.

Monday

Very cold morning. Rain is forecast for Thursday of this week.

OCCO framers continue to work on the parapet walls on the roof, bathroom walls on the roof and sheer wall on the exterior South and East elevations.

All others off on Holiday for Presidents day.



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PROJECT MANAGEMENT - DAILY JOURNAL
Project 18049 - Magnolia Science Academy

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Date: 03/11/2019
Time: 5:07 PM PDT

No school today.

Structural Engineers out next week some. Too busy this week.

Certified By: Oltmans Construction Co.

Signed: _____
Jeff Rich

Date: 03/11/2019

Journal ID: DJ-169

DATE: 02/19/2019

Job: 18049

Low Temperature: 41

Precipitation: 0

Sky: Clear

High Temperature: 60

Rain Day: N

Wind: NE at 5-10mph

General:

Activities

Very cold overnight. Rain is possible on Thursday.

OCCO Wall continues to build and stand walls on the roof penthouses. They will continue to install sheer panel on the exterior East side.

Waiting on the light poles for the East side before the sheer and DensGlass starts.

Safeway back on site roughing in boxes. South side exterior lights need boxes before sheer is installed.

PV & C continue to rough in 2nd floor, install roof drains. Jeff requested additional workers.

Continental on site to review glazing with me. Starts on the 11th.

Hufcor partitions heads were installed today. All is well.

Certified By: Oltmans Construction Co.

Signed: _____
Jeff Rich

Date: 03/11/2019

Journal ID: DJ-170

DATE: 02/21/2019

Job: 18049

Low Temperature: 48

Precipitation: 0

Sky: Cloudy

High Temperature: 56

Rain Day: N

Wind: N at 10 to 15

General:



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PROJECT MANAGEMENT - DAILY JOURNAL
Project 18049 - Magnolia Science Academy

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 Date: 03/11/2019
 Time: 5:07 PM PDT

Activities

Wednesday. Rain is forecast for late afternoon. possible snow at very low elevations. Very cold morning.

OCCO wall onsite and continues to build and walls on the rooftop. Install exterior sheer at East wall, and some South wall.

Safeway on site. Installing electrical boxes on the South side exterior for lights.

PV & C on site. Need more men. More workers coming tomorrow.

KDR scheduled to be on site tomorrow. Need exterior steel posts for the fence on the roof.

Mechanical on site tomorrow.

Thursday. Very cold morning. It rained yesterday early evening. No standing water.

OCCO Wall. Building walls around the rooftop bathrooms. installing the roof on the bathroom. East side sheer complete. All sheer is being nailed off and straps being installed.

Safeway. Reviewing plans for 2nd floor and rooftop work. Chris is fairly new on the project and has to pick up for Trevor. Trevor has been hospitalized with the flu / pneumonia.

PV & C. Two men on site. They are working on the roof drains. This is their priority.

OCCO drywall on site. Juan is completing his take off for the roof material. A delivery was made in the morning. Stocking commenced. Marco met with Juan and reviewed the work, schedule, and manpower needs. Juan, Bill and myself reviewed the work and each others needs for coordination.

Job site closed at 2 pm. Rain began 1/2 hour ago. Very hard rain now at 2. The wind has picked up very hard.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: _____ 03/11/2019

Journal ID: DJ-171

DATE: 02/22/2019

Job: 18049

Low Temperature: 39

Precipitation: 0

Sky: Cloudy

High Temperature: 60

Rain Day: N

Wind: E @ 5-10 mph

General:

Activities

Very cold morning. We had snow last night down to 1000 foot level. Ice and water in the morning meeting was brought up to everyone on site. No smoking We had a complaint form the school next door. Jeff addressed with everyone.



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OCCO Framing continues to sheer the exterior, build walls, bracing, sheathing etc on the roof. The crew is scheduled to work tomorrow.

OCCO drywall is starting to do work at the interior where we can. Steel studs mostly. Limited drywall work only as needed.

PV & C continues on the roof drains. 2 men.

Safeway will begin to layout and install 2nd floor boxes. They are working with the power company for burying the ground wires at the front vault.

Mechanical on site to build and install roof curbs. Confirm all 1st floor wall penetrations for framers. Begin to lay out all required 2nd floor openings.

KDR on site to install fence posts, etc. We need to the light poles asap. They left early. Had an issue on another project. We will in tomorrow.

Izzi was sent home this morning for not complying with the proper PPE. He was wearing his jacket over his vest. I was very explicit this morning in our project meeting with all workers (Izzi was present) that all vests must be worn outside of all jackets etc.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: _____ 03/11/2019

Journal ID: DJ-172

DATE: 02/25/2019

Job: 18049

Low Temperature: 43

Precipitation: 0

Sky: High clouds

High Temperature: 67

Rain Day: N

Wind: 0 to 5 mph

General:

Activities

OCCO framing working on the roof walls, rooftops, etc. Prepping for the crickets etc.

OCCO drywall has begun to install some rock at the partition doors, and prep for roll down doors.

Mechanical laying out HVAC curbs for misc rooftop installations.

Plumbers Working on toilets 2nd floor, rooftop drains, pipes etc.

Drop down doors due in this week.

Electricians tinkering around. Reviewing plans and laying out for the 2nd floor to begin.

Inspections for tomorrow have been called in



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 Date: 03/11/2019
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Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-173

DATE: 02/26/2019

Job: 18049

Low Temperature: 42

Precipitation: 0

Sky: Cloudy

High Temperature: 68

Rain Day: N

Wind: E @ 5-10 mph

General:

Activities

OCCO framing continues thru out the project. Rooftop walls, roofs, etc. Exterior sheer, 2nd floor pick up etc.

PV & C working on 2nd floor toilets, roof drains, etc.

Safeway electric not doing much. Waiting to begin layout for the 2nd floor boxes etc.

Christian Bros mechanical working on rooftop HVAC curbs, heat pump curbs, etc.

Perlight continues to install scaffolding on the North side, then moved to the South side. John with perlight was upset they could not moved straight to the East side. Inspections had to be completed 1st.

A & D Fire is installing fire sprinkler pipe hangers. 1 man. Cannot get too crazy until after the rock is hung on the lids.

Deputy inspector is on site today to review the parapet wall framing, exterior sheer where completed. All passed by the Deputy Inspector Berdine.

City Building inspector on site for the same inspections. All passed by the City Inspector Jeff.

SEOR will be out tomorrow 9 30 am.

Certified By: Oltmans Construction Co.

Signed: _____

Jeff Rich

Date: 03/11/2019

Journal ID: DJ-174

DATE: 02/28/2019

Job: 18049

Low Temperature: 55

Precipitation: 0

Sky: AM Rain

High Temperature: 65

Rain Day: N

Wind: 0 to 5 mph

General:



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PROJECT MANAGEMENT - DAILY JOURNAL
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Date: 03/11/2019
Time: 5:07 PM PDT

Activities

OCCO Wall working on the last of the HVAC curbs, Sheer wall at bathrooms & stairs, rooftops at all rooftop structures.

OCCO Drywall working on densglass on the exterior, then moved up to the roof.

Electrician continues to draw up 2nd floor layout.

Plumbers connecting the roof drain piping from the roof down. Should be almost complete tomorrow.

HVAC working on drawings for 2nd floor changes due to ceiling heights.

Fire sprinklers continue to install hangers. Waiting on drywall lids.

Certified By: Oltmans Construction Co.

Signed: _____
Jeff Rich

Date: _____
03/11/2019

SATELLITE RAIN ANALYSIS FOR 0705 PST FEB 12, 2019

BRIEFING... A strong cold front is bringing a lot of rain from W Ohio SW thru W Texas with some light snow behind the front. Heavy snow thru the N tier states from Minnesota E thru W NY. A new trof off the west coast of the US is bringing rain/snow mix to Seattle with rain thru Portland. Light rain early across NoCal with better rain arriving later today & tonight. A trof & upper low will bring better rain to all the state Wed/Thu with shwrs into Fri. Clouds & mild across NoCal this mrrng with frost/freezes & cold across CenCal/SoCal. Lows as of 6:30 a.m.: Potter Vly 38, Soda Crk 35, Paso Robles 28, Santa Ynez 32, Merced 30, Ramona 28, March AFB 29, Ojai 33, San Pasqual 28, Thermal 30.

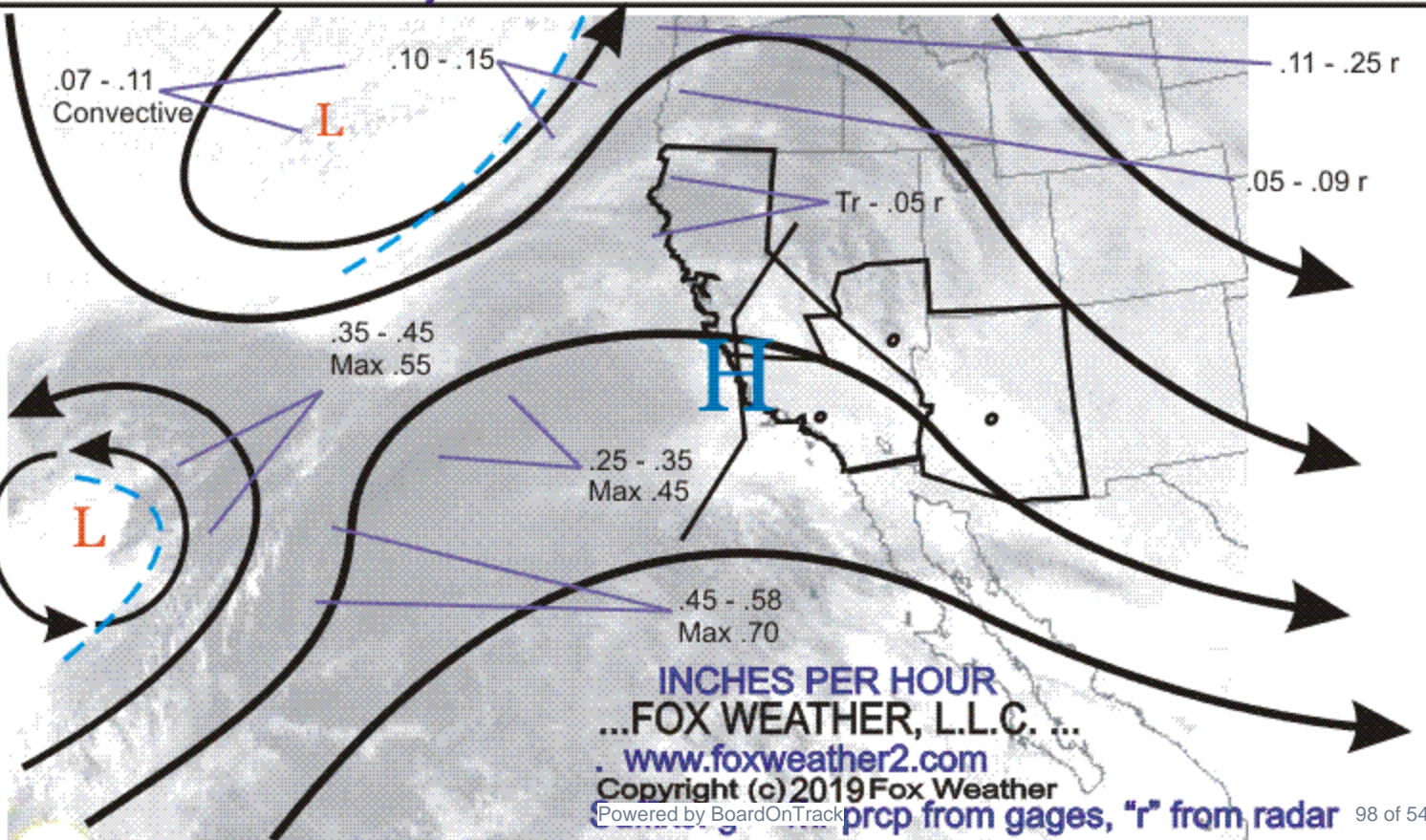
...N CALIF... A trof off the coast will bring an increasing moist SW flow thru NoCal today with light rain starting mid to late morning & better rain this afternoon & eve. The trof moves thru Wed/Thu with good rain at times & wet. Shwrs end later Thu with a new trof arriving Fri thru the weekend. Rainfall: 12/13/14-16: Orick .31/.46/3.91, Fortuna .34/.38/3.84, Leggett .76/3.65/4.16, Mendoc Hills .63/4.29/2.29, Ukiah .37/1.10/2.32. Frost/frzs possible 15-17 & likely from the 18th thru the 19th. Decent subtropical moisture moves thru on 13th & 14th.

...CNTRL CALIF... Dry today with a lot of clouds & a SW flow & weak ridge over the region. A trof off the coast will bring good rain & moist conditions with subtropical moisture Wed/Thu. Shwrs decr & end Fri. Dry Sat with a weak system & light rain only Sun (17th).

Rainfall: 13/14-15: Santa Cruz Fthls 2.22/1.07, Watsnvl 1.46/.99, Salinas .32/.56, King City .53/.20, Livermore .85/.94, Stockton 1.65/.46, San Luis Ob .34/.63, Santa Maria .07/.50.

...S CALIF... A weak ridge con't today with some warming. Quite a few high clouds but no rain as an upper low & trof remains off the coast. The system to the W will move E thru all of California, including SoCal with a chnc of rain Wed & better rain & wetter conditions Thu. Shwrs Fri end later in the day. Dry Sat with a very slgt chnc of light rain Sun. Rainfall; 13/14/15-17: Ventura Cnty Mtns .41/2.26/Tr, Oxnard .43/.79/Tr, OC Cst .52/1.96/Tr, OC Cstl Hills .35/2.53/Tr, OC Mtns .59/4.74/.01, Carlsbad .15/1.76/.01, Fallbrook .16/4.23/.01, Escondido .12/2.13/.02, Riverside .14/1.88/.01, San Brndno .33/3.06/.01, Big Bear .06/3.27/.01.

...LOOKG AHEAD... A good rain across the state with some subtropical moisture from the 13th thru the 15th. Dry from the 18th thru the 15th with a weak ridge at times. Seasonal to warm temps with this dry air mass. A new rain arrives across all the state from the 27th thru the 28th. Frost/freezes likely statewide from the 16th thru the 19th.



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WEATHER FORECAST FOR SAN BERNARDINO/LOS ANGELES COUNTIES FOOTHILLS

Issued: 2019-02-12 09:10

SYNOPSIS... A weak ridge builds with warmer temperatures today and dry. A trough to the west will bring light rain late Wednesday with a better chance of rain arriving Thursday. Showers are possible Thursday night ending Friday. Dry Saturday with another weak system and a slight chance of light rain on Sunday.

EXTENDED FORECAST SUMMARY... A dry pattern sets up from the 18th and continues through the 26th. Seasonal to warm temperatures with this pattern is expected through the region. A trough arrives with a chance of rain on the 27th and 28th.

...HIGH DESERT AREA...

48 HOUR FORECAST: Mostly sunny and warmer today with high clouds tonight. Increasing clouds later tonight and Wednesday. Light rain starts Wednesday evening with a better chance of rain Thursday. Showers Thursday night end Friday morning. Partly cloudy but dry and cool Saturday.

Rainfall: 13/14/15-17: Barstow Tr/.35/Tr, Victorville .02/.19/Tr.

	2019-02-13	2019-02-14	2019-02-15	2019-02-16	2019-02-17
2019-02-18					
Needles					
L/H Temp	47/ 64	52/ 63	54/ 69	53/ 67	50/ 62
47/ 59					
Wind Max/Min (mph)	3/ 8	5/ 8	6/ 10	5/ 7	8/ 13
15/ 16					
Wind Dir	WSW/ S	SE/SSE	SSW/SSW	SW/ NW	WNW/ NW
NNW/ N					
PcpnProb% am/pm	2/ 14	28/ 52	14/ 10	11/ 2	1/ 7
7/ 11					
Daggett					
L/H Temp	40/ 53	44/ 57	49/ 58	45/ 55	41/ 51
38/ 51					
Wind Max/Min (mph)	3/ 5	6/ 14	13/ 21	17/ 12	11/ 14
4/ 5					
Wind Dir	N/ S	WSW/WSW	WSW/ W	WSW/ W	WSW/ NW
NW/NNE					
PcpnProb% am/pm	14/ 50	56/ 65	18/ 19	15/ 6	3/ 8
15/ 10					

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Lancaster					
L/H Temp	37/ 50	42/ 57	37/ 52	34/ 50	33/ 49
30/ 52					
Wind Max/Min (mph)	11/ 10	8/ 21	14/ 22	17/ 19	14/ 19
9/ 10					
Wind Dir	SE/ S	S/SSW	SW/ SW	WSW/WNW	WNW/NNW
ENE/ENE					
PcpnProb% am/pm	8/ 86	83/ 59	25/ 18	18/ 15	20/ 21
5/ 3					

...SAN BERNARDINO VALLEY...

48 HOUR FORECAST: Sunny and warmer today with some high clouds at times. Increasing clouds

later tonight and Wednesday morning becoming mostly cloudy Wednesday afternoon. A chance of

rain later Wednesday afternoon with a good chance of rain Thursday. Wet at times Thursday

with moderate to heavy rain possible. Showers decrease Thursday night, ending Friday.

Rainfall: 13/14/15-17: San Bernardino .33/3.06/.01.

	2019-02-13	2019-02-14	2019-02-15	2019-02-16	2019-02-17
2019-02-18					
Devore					
L/H Temp	43/ 52	46/ 55	46/ 51	43/ 51	39/ 45
36/ 47					
Wind Max/Min (mph)	8/ 14	12/ 19	8/ 10	10/ 12	8/ 11
3/ 11					
Wind Dir	SSE/ S	SSE/ S	SSE/SSE	SSE/SSW	SE/ S
SW/ SW					
PcpnProb% am/pm	9/ 99	100/ 91	31/ 28	29/ 26	26/ 23
16/ 11					
Ontario					
L/H Temp	47/ 58	49/ 60	51/ 60	48/ 60	46/ 56
43/ 60					
Wind Max/Min (mph)	2/ 9	3/ 12	3/ 6	5/ 11	1/ 8
1/ 9					
Wind Dir	NNE/NNE	W/ SW	W/WSW	WSW/WSW	WNW/WNW
NNE/WSW					
PcpnProb% am/pm	9/100	100/ 83	31/ 25	28/ 27	26/ 21
14/ 8					
San Bernardino					
L/H Temp	48/ 60	50/ 61	52/ 60	49/ 59	46/ 55
43/ 58					
Wind Max/Min (mph)	2/ 4	6/ 10	4/ 3	2/ 7	2/ 6
2/ 9					

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Wind Dir	ENE/SSE	SSE/ SW	E/ E	SE/WSW	E/ W	
WNW/WSW						
PcpnProb% am/pm	7/ 98	100/ 89	29/ 25	29/ 28	26/ 21	
16/ 10						
Chino						
L/H Temp	45/ 59	49/ 61	52/ 61	48/ 61	47/ 57	
42/ 61						
Wind Max/Min (mph)	2/ 7	5/ 12	2/ 7	3/ 11	2/ 8	
1/ 10						
Wind Dir	NE/ NE	SSW/ SW	W/WSW	WSW/ SW	E/WNW	
NNE/WSW						
PcpnProb% am/pm	9/ 99	100/ 82	27/ 25	27/ 27	26/ 21	
14/ 7						
Rancho Cucamonga						
L/H Temp	48/ 56	49/ 58	50/ 58	47/ 58	44/ 53	
41/ 56						
Wind Max/Min (mph)	3/ 8	6/ 14	4/ 6	7/ 12	2/ 9	
1/ 10						
Wind Dir	NNW/ N	WSW/ SW	WSW/ SW	SW/WSW	WSW/ W	
N/ SW						
PcpnProb% am/pm	9/100	100/ 88	32/ 25	30/ 28	26/ 23	
16/ 10						

...BERNARDINO MOUNTAINS...SAN GABRIEL MOUNTAINS...

48 HOUR FORECAST: Dry and warmer but still cool today. Increasing clouds Wednesday with a chance of light rain later Wednesday and a better chance of rain Thursday. Snow is likely Thursday night with lighter rain and snow mix late Thursday night ending Friday. Precipitation: 13/14/15-17: Big Bear .06/3.27/.01, SBD Mtns SW .70/9.18/.06.

	2019-02-13	2019-02-14	2019-02-15	2019-02-16	2019-02-17
2019-02-18					
Wrightwood					
L/H Temp	31/ 40	35/ 44	33/ 40	29/ 38	23/ 32
22/ 33					
Wind Max/Min (mph)	24/ 26	28/ 31	21/ 21	23/ 22	20/ 24
20/ 20					
Wind Dir	SSW/SSW	SSW/ SW	WSW/ SW	WSW/WSW	SW/ SW
W/WSW					
PcpnProb% am/pm	12/100	100/ 92	29/ 25	30/ 28	25/ 26
14/ 12					
Mt Wilson					
L/H Temp	40/ 46	36/ 49	34/ 42	30/ 40	28/ 36
28/ 40					

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Wind Max/Min (mph)	18/ 16	11/ 17	9/ 12	10/ 9	12/ 19
	21/ 10				
Wind Dir	SE/ S	S/SSW	S/SSW	NNW/ NW	NW/ N
	NNE/ N				
PcpnProb% am/pm	8/100	94/ 88	29/ 18	18/ 15	20/ 20
	4/ 2				

...SAN GABRIEL VALLEY AND WESTERN VALLEYS...

48 HOUR FORECAST: Sunny and warmer today with some high clouds at times. Increasing clouds

later tonight and Wednesday morning becoming mostly cloudy Wednesday afternoon. A chance of

rain later Wednesday afternoon with a good chance of rain Thursday. Wet at times Thursday

with moderate to heavy rain possible. Showers decrease Thursday night, ending Friday.

Rainfall: 13/14/15-17: Pasadena .35/2.89/.02.

	2019-02-13	2019-02-14	2019-02-15	2019-02-16	2019-02-17
2019-02-18					
Pasadena					
L/H Temp	46/ 57	50/ 61	49/ 59	45/ 60	44/ 57
	43/ 62				
Wind Max/Min (mph)	8/ 8	7/ 11	4/ 7	3/ 6	6/ 12
	7/ 5				
Wind Dir	ESE/ESE	SSE/ S	E/ S	N/WNW	NNW/NNW
	N/WNW				
PcpnProb% am/pm	8/100	95/ 90	28/ 18	18/ 15	20/ 20
	5/ 3				
Glendora					
L/H Temp	46/ 59	51/ 62	49/ 60	46/ 60	44/ 57
	42/ 62				
Wind Max/Min (mph)	7/ 5	6/ 12	4/ 8	3/ 6	4/ 9
	7/ 5				
Wind Dir	ESE/ESE	S/ S	E/ S	N/WSW	N/NNW
	NNE/ W				
PcpnProb% am/pm	8/100	96/ 85	29/ 18	18/ 15	20/ 20
	5/ 3				
Van Nuys					
L/H Temp	46/ 58	49/ 61	44/ 60	41/ 60	39/ 56
	37/ 61				
Wind Max/Min (mph)	8/ 9	8/ 10	4/ 7	6/ 10	7/ 13
	15/ 8				
Wind Dir	ESE/ESE	SSE/ S	E/ S	N/ NW	NNW/NNW
	N/ N				
PcpnProb% am/pm	8/100	95/ 84	27/ 18	18/ 15	20/ 20

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Woodland Hills

L/H Temp	46/ 57	47/ 60	42/ 58	40/ 59	38/ 55
36/ 60					
Wind Max/Min (mph)	9/ 12	8/ 11	5/ 9	6/ 11	8/ 16
16/ 8					
Wind Dir	ESE/ESE	SSE/SSW	E/SSW	N/WNW	NNW/ N
N/NNW					
PcpnProb% am/pm	8/100	95/ 84	27/ 19	19/ 16	21/ 20
5/ 3					

...FOX WEATHER, LLC...STEPHENS...

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48HR FORECAST THROUGH 700L THU...RIVERSIDE...RANCHO CALIFORNIA...

Clear and cold this morning. Frost/freezes were reported at many of the colder valley

areas. Increasing clouds through the day becoming mostly cloudy Wednesday morning. Cloudy and cooler with a chance of light rain Wednesday afternoon and evening with a better chance of rain and wet at times Thursday. Still some rain Thursday night with lighter showers ending Friday. Dry and warmer Saturday.

RAINFALL: 13/14/15-17: Riverside .14/1.88/.01.

WIND RIVERSIDE: MAXIMUM THIS AFTN WSW 8-13 MPH
 MAXIMUM TMRW AFTN WNW 12-17 MPH
 5 MPH 2200-0900 BOTH NGT

TEMPS:

RIVERSIDE TEMPS: TODAY 69 WED 48/60 THU 50/62
 RIVERSIDE RH%: TODAY 8 WED 15/18 THU 12/84
 RIVERSIDE DEWPT: TODAY 6 WED 2/17 THU 0/57

EXTENDED FORECAST THU FEBRUARY 14 - NEXT THU FEBRUARY 21...

DAY	WEATHER	CSTL_HLLS	ESCONDIDO	RIVERSIDE	POP%
THU...	HVRAIN, GOOD CHNC RAIN, WET	L60S/L50S	M60S/L50S	L60S/NR50	90%
FRI...	SHWRS, FEW AM SHWRS, TROF	NR60/L50S	L60S/NR50	NR60/U40S	10%
SAT...	PTCLDY, BETWEEN CLDS	NR60/U40S	NR60/M40S	NR60/M40S	0%
SUN...	LTRAIN, SLGT CHNC LGT RAIN	U50S/M40S	U50S/L40S	U50S/L40S	10%
MON...	PTCLDY, FEW CLDS, WARMER	NR60/L40S	NR60/NR40	U50S/NR40	0%
TUE...	FAIR, DECR CLDS, WARMER	L60S/L40S	L60S/L40S	L60S/NR40	0%
WED...	FAIR, SLGT WARMING, DRY	M60S/M40S	U60S/L40S	U60S/L40S	0%
THU...	FAIR, RIDGE, WARM	M60S/U40S	U60S/M40S	NR70/M40S	0%

POP = PROBABILITY PRECIPITATION WILL OCCUR...STEPHENS...FOX WEATHER, LLC...

AGRICULTURAL WEATHER FORECAST FOR VENTURA COUNTY TO GOLETA
0845 PST TUE FEBRUARY 12, 2019

SYNOPSIS...

A weak ridge today will bring warmer temperatures and dry conditions. A lot of high clouds will stream through the region but rain is not expected. A trough off the coast arrives with rain starting around 10 a.m. Wednesday afternoon with better rain later Wednesday night through most of Thursday. Showers taper off Thursday night and end Friday morning as the trough exits to the east.

. **Extended Forecast Summary**

Dry on the 16th with a weak trough sliding to the north with a slight chance of light rain on the 17th. The weather pattern turns dry from the 18th through the 16th with seasonal to warm days and cool to cold nights at times. Frost/freezes are possible from the 15th through the 19th. A new trough will bring rain from the 27th through the 28th.

48HR FORECAST THROUGH 700L THU...OXNARD PLAIN...

Mostly clear and cold with frost at some of the colder valleys this morning. High clouds later today with a gradual increase in clouds tonight. Mostly cloudy by Wednesday morning with light rain starting around 10 a.m. and better rain late Wednesday afternoon and Wednesday night. Mostly cloudy with moderate to heavy rain possible Thursday with lighter rain Thursday night ending with scattered showers Friday. Dry Saturday with some warming.

RAINFALL: 13/14/15-17: Ventura Cnty Mtns .41/2.26/Tr, Oxnard .43/.79/Tr.

WIND: MAXIMUM THIS MIDMRNG SE 12-18 MPH
MAXIMUM TMRW AFTN ESE 14-19 MPH
5 MPH 2200-0900 BOTH NGT

TEMPS: REFUGIO-GOLETA FTHL 63/50/61/42/63
SANTA PAULA 62/39/54/40/59 BARSDALE 66/40/58/43/63
CAMARILLO 68/45/62/48/66

OXNARD TEMPS: TODAY 65 WED 49/59 THU 52/63
OXNARD RH%: TODAY 18 WED 54/46 THU 99/70
OXNARD DEWPT: TODAY 20 WED 33/38 THU 52/53

EXTENDED FORECAST THU FEBRUARY 14 - NEXT THU FEBRUARY 21...

DAY	WEATHER	OXNARD PLN	SANTA PAULA	POP%
THU...	HVRAIN, GOOD CHNC RAIN, WET	M60S/L50S	NR60/NR40	90%
FRI...	SHWRS, FEW AM SHWRS, PC LATE	NR60/U40S	M50S/U30S	10%
SAT...	PTCLDY, SOME CLDS LATE	L60S/M40S	M50S/M30S	0%
SUN...	LTRAIN, SLGT CHNC LGT RAIN	NR60/L40S	M50S/M30S	10%
MON...	PTCLDY, DECR CLDS, TROF E	NR60/L40S	M50S/L30S	0%
TUE...	FAIR, FEW AM CLDS, DRY	L60S/M40S	NR60/L30S	0%
WED...	FAIR, SLGT WARMING	M60S/U40S	M60S/M30S	0%
THU...	FAIR, WARM, DRY	U60S/NR50	U60S/L40S	0%

POP = PROBABILITY PRECIPITATION WILL OCCUR...STEPHENS...FOX WEATHER, LLC...

SATELLITE RAINFALL ANALYSIS FOR 0710 PST FEB 13, 2019

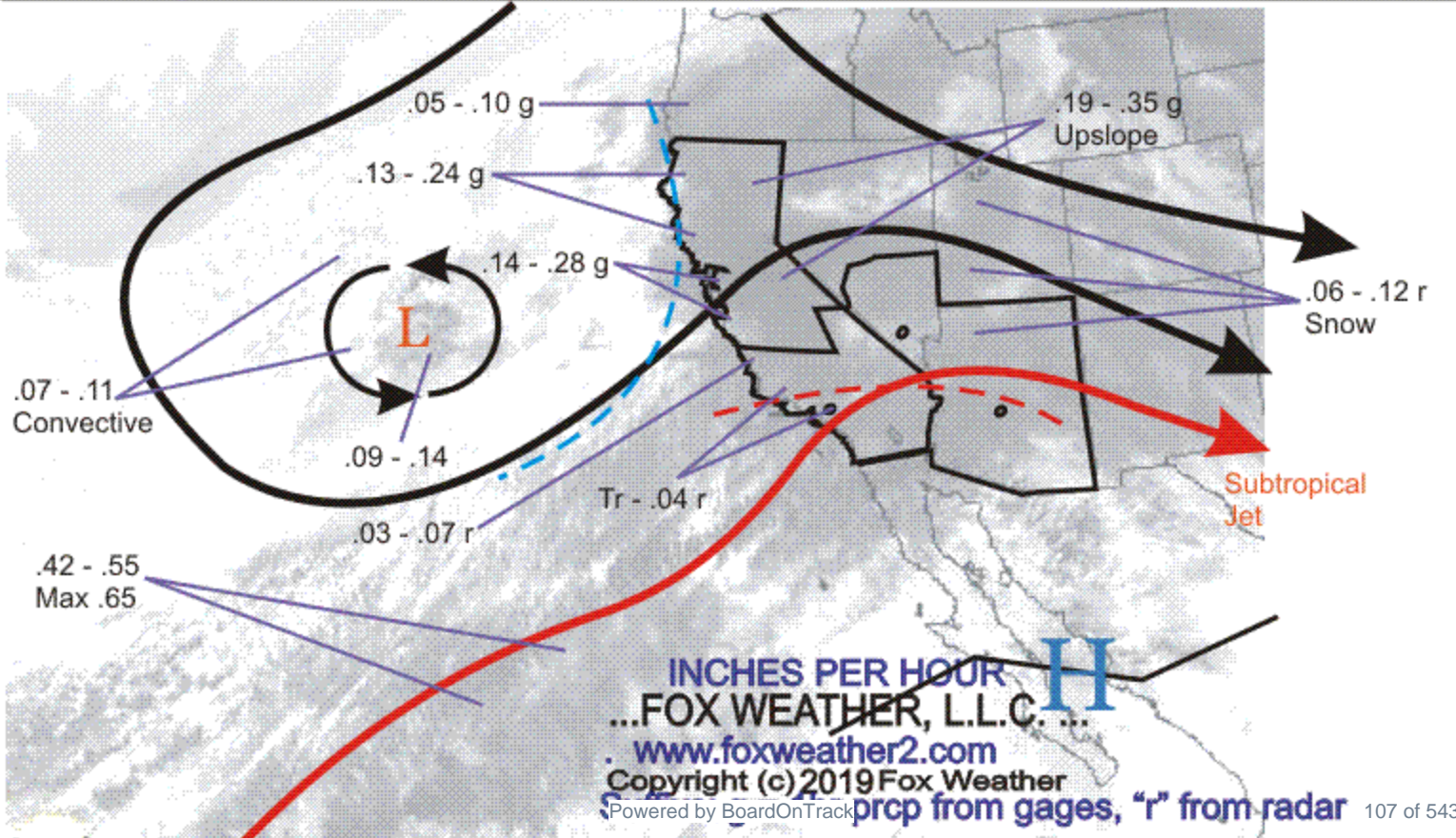
BRIEFING... A trof & upper low with a very moist SW flow aloft will continue thru the day bringing good rain to the state. Mod to heavy rain is pssbl with heavy snow in the SierraNV Today & Thu. A new trof will bring a chnc of rain later Fri thru the weekend. Decent rain across N & CenCal with rain arriving into SoCal mid-morning. 24-Hr rainfall totals thru 6 a.m.: Orick 1.24, Willits 2.24, Boonville 2.20, San Francisco .70, Livermore .34, Santa Cruz Fthills 1.20, Salinas .04. Mild this morning with clouds. No frost/freezes reported.

...N CALIF... A trof with a very moist SW flow will bring a lot of rain today & Thu thru NoCal with mod to heavy rain at times possible. A new system will bring a chnc of rain but not as wet later Fri thru the weekend. Heavy snows thru the N SierraNV is expected thru the weekend with good upslope precip in the coastal range & the Sierras. Rainfall: 13/14/15-17: Orick .55/2.10/1.49, Fortuna .17/.86/1.50, Leggett .90/1.78/1.39, Ukiah 1.65/1.04/1.17, Ukiah 1.57/.90/.92, Boonville 3.00/1.62/.97. Frost/freezes return from 17th thru the 20th.

...CNTRL CALIF... A wet trof/upper low & SW flow will bring good rain & subtropical moisture into & thru CenCal today & Thu. The strong SW flow will bring good upslope precip thru the windward coastal range and the west slopes & windward side of the SierraNV. Heavy snow likely in the SierraNV. Rainfall: 13/14/15-17: Santa Cruz Fthills 3.00/.85/.41, Watsonville 1.57/.47/.48, Salinas .39/.09/.56, King City .47/.12/.43, Livermore .61/.36/1.21, Stockton .70/.18/1.12, San Luis Ob .85/.66/.30, Santa Maria .40/.62/.51.

...S CALIF... A trof to the W is bringing a very moist SW flow thru SoCal with light rain starting mid to late morning & better rain this afternoon & eve. Heavier rain is likely most areas Thu as the trof & upper low move thru the region. A weaker system will bring light rain only Fri with another weak system on Sun. Rainfall: 13/14/15-17: Ventura Cnty Mtns .92/3.20/.12, Oxnard 1.08/.95/.01, OC Cst .48/.96/.10, OC Cstl Hills .32/1.30/.20, OC Mtns .37/3.26/.30, Carlsbad .77/3.12/.23, Fallbrk 1.40/4.77/.30, Escondido .59/3.50/.40, Riverside .31/1.00/.18, San Brndno .43/2.20/.47, Barstow Tr/.38/.02, Victorville .01/.12/.37, Big Bear .06/2.18/.24, SBD Mtns SW .58/6.90/.89. Frost/freezes return 16th thru the 20th.

...LOOKG AHEAD... A weak trof slides thru NoCal only with light rain on the 21st with a new trof & light rain on the 22nd. Better rain arrives into NoCal on the 23rd/24th. Dry across CenCal from the 18th thru the 22nd. Light rain from the 23rd thru the 25th is possible into CenCal. Light rain into SoCal on the 21st and again on the 25th.



sbd.txt

WEATHER FORECAST FOR SAN BERNARDINO/LOS ANGELES COUNTIES FOOTHILLS

Issued: 2019-02-13 08:55

SYNOPSIS... A trough to the west will bring light rain later today eastern areas with decent rain at times western areas this afternoon. Better rain all areas and wet Thursday as the trough and upper low moves into and through the region. Showers continue Thursday night and end Friday. Dry Saturday with a weak system brushing to the north with some light rain Sunday.

EXTENDED FORECAST SUMMARY... Light rain is possible with a weaker system on the 17th. Dry from the 18th through the 20th. An upper low will bring a chance of rain on the 21st. Dry from the 22nd through the 24th. A weak system will bring light rain only on the 25th. A ridge builds with dry and warmer temperatures from the 26th through the 2nd of March.

...HIGH DESERT AREA...

48 HOUR FORECAST: Increasing clouds with light rain starting by late afternoon with a chance of light rain tonight. Better rain arrives into the region Thursday with showers Thursday night into Friday. Dry Saturday with more light rain Sunday. Dry and warmer early in the week.

Rainfall: 13/14/15-17: Barstow Tr/.38/.02, Victorville .01/.12/.37.

	2019-02-14	2019-02-15	2019-02-16	2019-02-17	2019-02-18
2019-02-19					
Needles					
L/H Temp	52/ 61	51/ 65	50/ 63	45/ 60	45/ 57
42/ 57					
Wind Max/Min (mph)	4/ 9	3/ 9	5/ 5	2/ 8	4/ 12
6/ 9					
Wind Dir	SSW/ S	S/ S	W/ W	SW/ W	SSW/ N
NNW/ N					
PcpnProb% am/pm	70/ 89	57/ 7	1/ 1	1/ 7	7/ 6
6/ 4					
Daggett					
L/H Temp	45/ 58	43/ 56	40/ 52	37/ 49	37/ 48
33/ 50					
Wind Max/Min (mph)	3/ 18	13/ 18	13/ 12	9/ 14	10/ 12
6/ 13					
Wind Dir	N/WSW	WSW/WSW	W/ W	W/ W	W/ W
W/WSW					

	sbd.txt				
PcpnProb% am/pm 3/ 6	69/ 86	32/ 8	2/ 0	0/ 9	8/ 5
Lancaster					
L/H Temp 33/ 50	45/ 56	42/ 51	39/ 50	36/ 47	34/ 48
Wind Max/Min (mph) 5/ 10	7/ 21	12/ 16	10/ 10	8/ 16	10/ 9
Wind Dir NNE/ NW	S/SSW	SW/ SW	WNW/WNW	WNW/WNW	WNW/ N
PcpnProb% am/pm 9/ 7	76/100	41/ 25	18/ 14	14/ 29	19/ 12

...SAN BERNARDINO VALLEY...

48 HOUR FORECAST: Mostly cloudy this morning but dry. Light rain start this afternoon with a better chance of rain late afternoon through tonight. Wet Thursday morning with moderate to heavy rain at times. Showers Thursday night decrease and end by Friday afternoon. Partly cloudy and dry Saturday with a chance of light rain Sunday. Dry and warmer early in the week.

Rainfall: 13/14/15-17: San Bernardino .43/2.20/.47.

	2019-02-14	2019-02-15	2019-02-16	2019-02-17	2019-02-18
2019-02-19					
Devore					
L/H Temp 35/ 48	43/ 52	42/ 47	39/ 49	36/ 45	33/ 46
Wind Max/Min (mph) 11/ 10	14/ 23	11/ 15	6/ 10	3/ 6	8/ 13
Wind Dir N/ NW	SSE/ S	S/SSW	N/ NW	N/WSW	N/NNE
PcpnProb% am/pm 10/ 8	97/ 99	72/ 35	24/ 16	19/ 23	20/ 8
Ontario					
L/H Temp 41/ 60	49/ 58	47/ 55	43/ 59	42/ 56	40/ 58
Wind Max/Min (mph) 1/ 7	4/ 12	4/ 14	2/ 5	4/ 6	11/ 8
Wind Dir NW/WSW	N/ SW	WSW/WSW	E/ SW	N/ W	NNE/ NE
PcpnProb% am/pm 9/ 7	99/ 98	68/ 43	22/ 17	18/ 22	22/ 6
San Bernardino					
L/H Temp	50/ 58	50/ 54	46/ 58	43/ 54	41/ 55

sbd.txt

42/ 58					
Wind Max/Min (mph)	5/ 13	3/ 10	2/ 6	5/ 6	9/ 6
3/ 6					
Wind Dir	E/SSW	S/WSW	ESE/ NW	N/ W	N/NNE
N/WNW					
PcpnProb% am/pm	98/ 99	76/ 38	25/ 17	20/ 23	21/ 8
10/ 8					

Chino					
L/H Temp	50/ 60	48/ 58	43/ 60	40/ 57	39/ 58
38/ 60					
Wind Max/Min (mph)	3/ 13	4/ 14	2/ 5	2/ 9	10/ 9
2/ 8					
Wind Dir	NNE/ SW	WSW/WSW	ENE/WSW	S/ W	NNE/ NE
SSE/WSW					
PcpnProb% am/pm	99/ 98	66/ 43	22/ 17	18/ 22	23/ 6
9/ 6					

Rancho Cucamonga					
L/H Temp	48/ 55	46/ 53	43/ 56	42/ 52	38/ 54
40/ 57					
Wind Max/Min (mph)	4/ 14	5/ 15	2/ 6	6/ 8	12/ 9
3/ 7					
Wind Dir	NNW/ SW	SW/WSW	E/ SW	N/ W	N/ NE
NNW/WSW					
PcpnProb% am/pm	99/ 98	71/ 41	24/ 18	20/ 23	23/ 8
10/ 8					

...BERNARDINO MOUNTAINS...SAN GABRIEL MOUNTAINS...

48 HOUR FORECAST: Increasing clouds this morning with mostly cloudy skies and rain developing this afternoon. Rain, mixed with snow, then turning to snow tonight through the region with cooler temperatures. Snow is likely Thursday with snow flurries Friday. Dry Saturday with light rain mixed with snow Sunday. Dry early in the week with warmer temperatures.
Precipitation:
13/14/15-17: Big Bear .06/2.18/.24, SBD Mtns SW .58/6.90/.89.

	2019-02-14	2019-02-15	2019-02-16	2019-02-17	2019-02-18
2019-02-19					
Wrightwood					
L/H Temp	32/ 42	24/ 33	21/ 35	17/ 31	16/ 29
20/ 34					
Wind Max/Min (mph)	28/ 35	20/ 25	23/ 18	13/ 17	10/ 17
10/ 18					
Wind Dir	SSW/ SW	SW/ SW	W/WNW	W/ W	WNW/ N
NNW/NNW					

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PcpnProb% am/pm 9/ 8	95/ 98	71/ 37	21/ 16	18/ 23	20/ 9
Mt Wilson					
L/H Temp 31/ 41	36/ 48	32/ 40	32/ 38	28/ 35	28/ 36
Wind Max/Min (mph) 11/ 10	11/ 17	7/ 10	16/ 14	11/ 16	16/ 15
Wind Dir NNE/NNW	S/SSW	SW/ SW	NNW/ NW	N/WNW	N/ N
PcpnProb% am/pm 9/ 6	92/100	71/ 40	18/ 14	14/ 29	19/ 12

...SAN GABRIEL VALLEY AND WESTERN VALLEYS...

48 HOUR FORECAST: Mostly cloudy this morning but dry. Light rain start this afternoon with a better chance of rain late afternoon through tonight. Wet Thursday morning with moderate to heavy rain at times. Showers Thursday night decrease and end by Friday afternoon. Partly cloudy and dry Saturday with a chance of light rain Sunday. Dry and warmer early in the week.

Rainfall: 13/14/15-17: Pasadena .48/2.44/.53.

	2019-02-14	2019-02-15	2019-02-16	2019-02-17	2019-02-18
2019-02-19					
Pasadena					
L/H Temp 42/ 60	50/ 61	47/ 56	46/ 58	44/ 55	43/ 57
Wind Max/Min (mph) 4/ 5	7/ 11	3/ 7	5/ 7	5/ 9	8/ 6
Wind Dir N/ NW	SSE/ S	SW/ SW	N/NNW	N/WNW	N/ N
PcpnProb% am/pm 9/ 7	94/100	66/ 40	18/ 14	14/ 29	19/ 12
Glendora					
L/H Temp 43/ 60	51/ 62	47/ 57	46/ 59	46/ 56	44/ 57
Wind Max/Min (mph) 3/ 5	5/ 12	4/ 7	4/ 4	3/ 8	5/ 5
Wind Dir NNE/ NW	SSE/ S	WSW/ SW	NNW/ NW	N/WNW	N/ N
PcpnProb% am/pm 9/ 7	96/100	75/ 40	18/ 14	14/ 29	19/ 12
Van Nuys					
L/H Temp	51/ 62	47/ 58	46/ 58	44/ 56	43/ 58

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44/ 60					
Wind Max/Min (mph)	8/ 11	4/ 7	8/ 7	5/ 14	11/ 12
4/ 6					
Wind Dir	SSE/ S	SSW/ S	NNW/NNW	N/WNW	N/ N
N/ N					
PcpnProb% am/pm	94/100	57/ 40	18/ 14	14/ 29	19/ 12
9/ 6					

Woodland Hills					
L/H Temp	49/ 61	46/ 57	44/ 57	42/ 55	41/ 57
41/ 59					
Wind Max/Min (mph)	8/ 11	3/ 7	10/ 9	9/ 15	13/ 13
8/ 7					
Wind Dir	S/SSW	WSW/SSW	NNW/NNW	N/WNW	N/ N
N/ NW					
PcpnProb% am/pm	95/100	50/ 40	19/ 14	14/ 29	19/ 12
9/ 7					

...FOX WEATHER, LLC...STEPHENS...

sdoc.txt

48HR FORECAST THROUGH 700L FRI...RIVERSIDE...RANCHO CALIFORNIA...

Mostly cloudy this morning but dry. Light rain starts around 10 or 11 a.m. with a better chance of rain later this afternoon and evening. Wetter late tonight through Thursday with rain likely as a trough and low moves through the region. Showers Thursday night end Friday with dry conditions and cool Saturday. A new trough slides north with light rain Sunday. Dry early in the week with warmer temperatures.

RAINFALL: 13/14/15-17: Riverside .31/1.00/.18.

WIND RIVERSIDE: MAXIMUM THIS AFTN SSE 9-14 MPH
 MAXIMUM TMRW AFTN WSW 13-18 MPH GST 27
 > 5 MPH 2200-0900 BOTH NGT

TEMPS:

RIVERSIDE TEMPS: TODAY 59 THU 49/60 FRI 48/56
 RIVERSIDE RH%: TODAY 19 THU 99/75 FRI 93/57
 RIVERSIDE DEWPT: TODAY 17 THU 49/52 FRI 46/41

EXTENDED FORECAST FRI FEBRUARY 15 - NEXT FRI FEBRUARY 22...

DAY	WEATHER	CSTL_HLLS	ESCONDIDO	RIVERSIDE	POP%
FRI...	SHWRS, SCTR D SHWRS, TROF	NR60/L50S	NR60/NR50	M50S/U40S	35%
SAT...	PTCLDY, INCR CLDS LATE	NR60/M40S	NR60/M40S	U50S/L40S	5%
SUN...	LTRAIN, CHNC LGT RAIN, TROF N	U50S/M40S	U50S/L40S	M50S/L40S	25%
MON...	PTCLDY, DECR CLDS, COOL	U50S/L40S	U50S/NR40	M50S/NR40	0%
TUE...	FAIR, DECR CLDS, WARMER	NR60/L40S	NR60/NR40	U50S/NR40	0%
WED...	FAIR, SEASONAL, DRY	NR60/L40S	L60S/NR40	NR60/L40S	0%
THU...	FAIR, SEASONAL, CON'T DRY	NR60/M40S	L60S/L40S	L60S/L40S	15%
FRI...	FAIR, SLGT WARMING, DRY	L60S/U40S	M60S/M40S	U60S/M40S	0%

POP = PROBABILITY PRECIPITATION WILL OCCUR...STEPHENS...FOX WEATHER, LLC...

AGRICULTURAL WEATHER FORECAST FOR VENTURA COUNTY TO GOLETA
0845 PST WED FEBRUARY 13, 2019

SYNOPSIS...

Cloudy with light rain starting by mid-morning with better rain this afternoon and evening. Still a good chance of rain later tonight through Thursday as a trough moves through the region. Showers end Friday as the trough exits east. Dry Saturday with a weak system bringing only light rain on Sunday. Dry and warmer early in the week.

Extended Forecast Summary

A weak high pressure will bring dry and some warming from the 18th through the 20th. A weak upper low will bring a chance of light rain on the 21st. Dry with seasonal temperatures from the 22nd through the 24th. Another trough will slide to the north with light rain on the 25th. Dry and warmer as a ridge builds from the 26th through the 1st of March.

48HR FORECAST THROUGH 700L FRI...OXNARD PLAIN...

Mostly cloudy with light rain starting around 8 a.m. Better rain arrives this afternoon. A chance of good rain with moderate to brief heavy rain possible later this afternoon through Thursday afternoon. Showers later Thursday through Friday morning will end Friday afternoon. Dry Saturday with a chance of light rain Sunday. Dry and warmer early in the week.

RAINFALL: 13/14/15-17: Ventura Cnty Mtns .92/3.20/.12, Oxnard 1.08/.95/.01.

WIND: MAXIMUM THIS AFTN SSE 13-19 MPH
MAXIMUM TMRW AFTN VAR 15-21 MPH S IN MRNG
> 5 MPH 2200-0900 BOTH NGT

TEMPS: REFUGIO-GOLETA FTHL 61/48/63/49/58
SANTA PAULA 55/40/59/37/54 BARSDALE 59/45/62/40/58
CAMARILLO 63/50/67/43/62

OXNARD TEMPS: TODAY 60 THU 54/64 FRI 47/59
OXNARD RH%: TODAY 65 THU 99/65 FRI 89/55
OXNARD DEWPT: TODAY 48 THU 54/52 FRI 44/43

EXTENDED FORECAST FRI FEBRUARY 15 - NEXT FRI FEBRUARY 22...

DAY	WEATHER	OXNARD PLN	SANTA PAULA	POP%
FRI...	SHWRS, SCTRD SHWRS, TROF	NR60/M40S	M50S/M30S	20%
SAT...	PTCLDY, INCR CLDS LATE	NR60/L40S	M50S/M30S	5%
SUN...	LTRAIN, SLGT CHNC LGT RAIN	M50S/L40S	L50S/L30S	20%
MON...	PTCLDY, DECR CLDS, WARMER	U50S/NR40	L50S/L30S	0%
TUE...	FAIR, TROF E, WARMER	NR60/NR40	M50S/L30S	0%
WED...	PTCLDY, FEW CLDS LATE	NR60/L40S	U50S/M30S	0%
THU...	LTRAIN, CHNC LGT RAIN	L60S/L40S	L60S/U30S	25%
FRI...	PTCLDY, DECR CLDS, WARMER	M60S/M40S	U60S/NR40	0%

POP = PROBABILITY PRECIPITATION WILL OCCUR...STEPHENS...FOX WEATHER, LLC...



Exhibit B

Oltmans Change Order 7

(see following pages)



CONSTRUCTION CO.
 10005 Mission Mill Road
 Whittier, CA 90601
 Phone: (562) 948-4242 Fax: (562) 695-9267

OWNER CHANGE ORDER
NO.: 007

TITLE:	OCO #007 - PCI: # 28, #29, #31, #32, #33 & #34	DATE:	05/15/2019
PROJECT:	Magnolia Science Academy	PROJECT NO.:	18049
TO:	Magnolia Educational and Research Foundation 250 E. 1st St., 1500 Los Angeles, CA	CONTRACT:	18049

We are requesting approval of Owner Change Order #007 which incorporates the following PCIs:

PCI #	Description	Amount
PCI028	Drywall Finish From Level 5 to Level 4	-\$ 20,288.06
PCI029	Fibermesh 150 (Polypropylene) in Lieu of Wire Mesh at the Second Floor	\$ 4,910.00
PCI031	DWP New Electrical Service Pole	\$ 5,907.00
PCI032	Bulletin 4 & 5 Adds	\$ 30,001.00
PCI033	Bike Rack & Millwork Submittal Changes Added Costs	\$ 6,740.00
PCI034	Chem Lab Emergency Natural Gas Shut Off (RFI 191)	\$ 11,340.00
Total:		\$ 38,609.94

The Original Contract Sum was	\$ 7,392,479.00
Net Change by Previously Authorized Requests and Changes	\$ 452,680.00
The Contract Sum Prior to This Change Order was	\$ 7,845,159.00
The Contract Sum will be Increased	\$ 38,609.94
The New Contract Sum Including This Change Order	\$ 7,883,768.94
The Contract Time Will Not Be Changed	
The Date of Substantial Completion as of This Change Order therefore is	07/02/2019

ACCEPTED:

Oltmans Construction Co.

Magnolia Educational and Research Foundation

By: _____
 Trevor Lawton, Project Manager

By: _____

Date: _____

Date: _____



CONSTRUCTION CO.
 10005 Mission Mill Road
 Whittier, CA 90601
 Phone: (562) 948-4242 Fax: (562) 695-9267

**POTENTIAL CHANGE ITEM
 PCI028**

TITLE: Drywall Finish From Level 5 to Level 4 **DATE:** 04/19/2019
PROJECT: Magnolia Science Academy **PROJECT NO.:** 18049
TO:
Magnolia Educational and Research Foundation
 250 E. 1st St., 1500
 Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This change order request includes costs associated with the reduction of drywall finish from level 5 to level 4 per RFI 180. Refer to RFI 180 for locations where level 5 finish is to remain.

Vendor	Description	Amount
Oltmans Drywall/Door	Drywall Finish From Level 5 to Level 4. See OCCO Wall COR 6 for reference.	-18,739.06
	SUBTOTAL:	-18,739.06
	Bond	-153.00
	Gross Tax	-24.00
	GL	-181.00
	SDI	-234.00
	Fee	-957.00
	SUBTOTAL:	-1,549.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		-20,288.06

APPROVAL:

Oltmans Construction Co.

BY:  Trevor Lawton

DATE: 4/19/19

APPROVAL:

Magnolia Educational and Research

BY: 
 DATE:

OLTMANS WALL

Bid Summary
Magnolia Science Academy

MSA COR 6

Bid No. 1168

Selected Sections: 09260 Tape Walls

Selected Typical Areas:

Selected Areas: (unassigned)

Estimator: **KJ - Kris Johnston**

Job Class:

Wage Type: **Los Angeles/Orange County**

Job Site: **18220 Sherman Way, Reseda, CA 91335**

Job Status:

Bid Date/Time: **4/19/2018 10:26:19 AM**

Plans Date: **4/19/2018**

Deduct from Level 5 to Level 4 Finish.

09260 Tape Walls
(unassigned)

No.	Condition	Height	Quantity	Unit Price			Total Price	Man Days
				Mat.	Lab.	Total		
1	L5 deduct to L4	10' 0"	3,135.24 LF	-0.37	-5.60	-5.98 / LF	-18,739.06	-30.55
Material & Labor Total:							-18,739.06	-30.55
(unassigned) Total:							-18,739.06	-30.55
09260 Tape Walls Total:							-18,739.06	-30.55
Grand without additional markups Total:							-18,739.06	-30.55
Additional Markups Total:							0.00	
Grand Total:							-18,739.06	



CONSTRUCTION CO.
10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

REQUEST FOR INFORMATION
RFI-180

SUBJECT:	Drywall Level 4 In Lieu of Level 5 Finish at Selected Location	DATE:	03/20/2019
PROJECT:	Magnolia Science Academy	PROJECT NO.:	18049
		REQUIRED:	03/25/2019
TO:	Johann Wang Franco Architects Inc.	COST IMPACT:	POTENTIALLY
		DAYS IMPACT:	POTENTIALLY
FROM:	Elizabeth Lara Oltmans Construction Co.		

Co-Author:	Oltmans Construction Co.	Contact:	Trevor Lawton	Co-Author RFI Number:	Drywall Level 4
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Request:

Requested by Trevor Lawton, 3/20/19:

Per our discussion at the OAC meeting, we are confirming we will proceed with level 4 in lieu of level 5 with the exception of walls where there is drywall erase paint and at the atrium wall as a VE.

Suggestion:

Answer: **Accept Suggestion**

Affirmative.

Johann Wang Architect

Answered By:

Date: 03/21/19

Distribution:



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM

PCI029

TITLE: Fibermesh 150 (Polypropylene) in Lieu of Wire Mesh at the Second Floor**DATE:** 04/19/2019**PROJECT:** Magnolia Science Academy**PROJECT NO.:** 18049**TO:** Patrick Anton Ontiveros**Magnolia Educational and Research Foundation**

250 E. 1st St., 1500

Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment required to install the Fibermesh 150 (Polypropylene) in lieu of wire mesh at the second floor per the request of Tim Buresch at the OAC meeting dated 9/5/18 and per the approved submittal #03300-04 and RFI 062.1.

_Credit wire mesh labor and material: (\$6,955)

_Add for Fibermesh 150 (Polypropylene) and added finishing time due to fibers: \$11,215.00

This PCI excludes any items not identified above including future or design impact, and changes caused by City review or inspections.

Vendor	Description	Amount
Johasee Rebar, LP	Wire Mesh Credit (Labor & Material)	-6,955.00
Oltmans Concrete	Cast-in-Place Concrete	11,488.00
	Bond	38.00
	SUBTOTAL:	4,571.00
	Fee	232.00
	GL	44.00
	Gross Tax	6.00
	SDI	57.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		4,910.00

APPROVAL:

Oltmans Construction Co.

BY: Trevor Lawton**DATE:****APPROVAL:**

Magnolia Educational and Research

BY: Patrick Anton Ontiveros**DATE:**



Leaders in Rebar and Post-Tensioning
Fabrication and Installation since 1987

18059 Rosedale Hwy | Bakersfield, CA 93314
T: 661.589.0972 | F: 661.589.7881
CA State License #1013859

RCO #1R1

Credit

To: **OLTMANS CONSTRUCTION COMPANY**
10005 Mission Mill Rd.
Whittier, CA

Date: Dec 18, 2018

By Email: Trevorl@oltmans.com

Attention: **Trevor Lawton**

Johasee Project No.: 18-0389

Project: **Magnolia Science Academy**

The following variation to your contract with us is hereby requested, in the amount of:

Extra: \$ **(6,955.00)**
Credit:

Breakdown: RFI-062; RFI-062.1, concrete topping slab.

6x6x4/4 Mesh -107 Sheets @ \$ 65.00 /Sheet = \$ (6,955.00)

Attached: Add delete sheet and RFI-062; RFI-062.1.

Submitted by:
Johasee Rebar, LP

Approved by:

Name & Title: Susan Vuong, Contract Administrator

Received by:
OLTMANS CONSTRUCTION COMPANY

Approved by:

Name and Title:

Note: If approved, please issue a change order to the contract amount, or send back signed proposal in order to proceed with fabrication of material.

THANK YOU FOR YOUR BUSINESS



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM
PCI002

TITLE: Cost to add 1.5#'s of Polypropylene fibers to the lightweight concrete mix **DATE:** 10/29/2018

PROJECT: Concrete, Magnolia Science Academy **PROJECT NO.:** C18049

TO:
Oltmans Construction Co.
10005 Mission Mill Road
Whittier, CA 90601

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

Vendor	Description	Amount
	General Conditions	210.00
	Concrete	10,648.27
	SUBTOTAL:	10,858.27
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		10,858.27

APPROVAL:
Oltmans Construction Co.

BY: Raymond Elias
DATE:

APPROVAL:
Oltmans Construction Co.

BY:
DATE:



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM
PCI003

TITLE: Added finishing time for the addition of Fibers to the It wt decks

DATE: 10/29/2018

PROJECT: Concrete, Magnolia Science Academy

PROJECT NO.: C18049

TO:

Oltmans Construction Co.
10005 Mission Mill Road
Whittier, CA 90601

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

Vendor	Description	Amount
Mead Construction Company	Cement Finishing	630.00
SUBTOTAL:		630.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		630.00

APPROVAL:
Oltmans Construction Co.

BY: Raymond Elias
DATE:

APPROVAL:
Oltmans Construction Co.

BY:
DATE:



CONSTRUCTION CO.

10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

REQUEST FOR INFORMATION

RFI-062

SUBJECT:	Concrete Topping Slab Clarification	DATE:	08/21/2018
PROJECT:	Magnolia Science Academy	PROJECT NO.:	18049
		REQUIRED:	08/24/2018
TO:	Etmny Cornejo Franco Architects Inc.	COST IMPACT:	POTENTIALLY
		DAYS IMPACT:	POTENTIALLY
FROM:	Olivia Sanchez Oltmans Construction Co.		

Co-Author:	Contact:	Co-Author RFI Number:
-------------------	-----------------	------------------------------

Request:

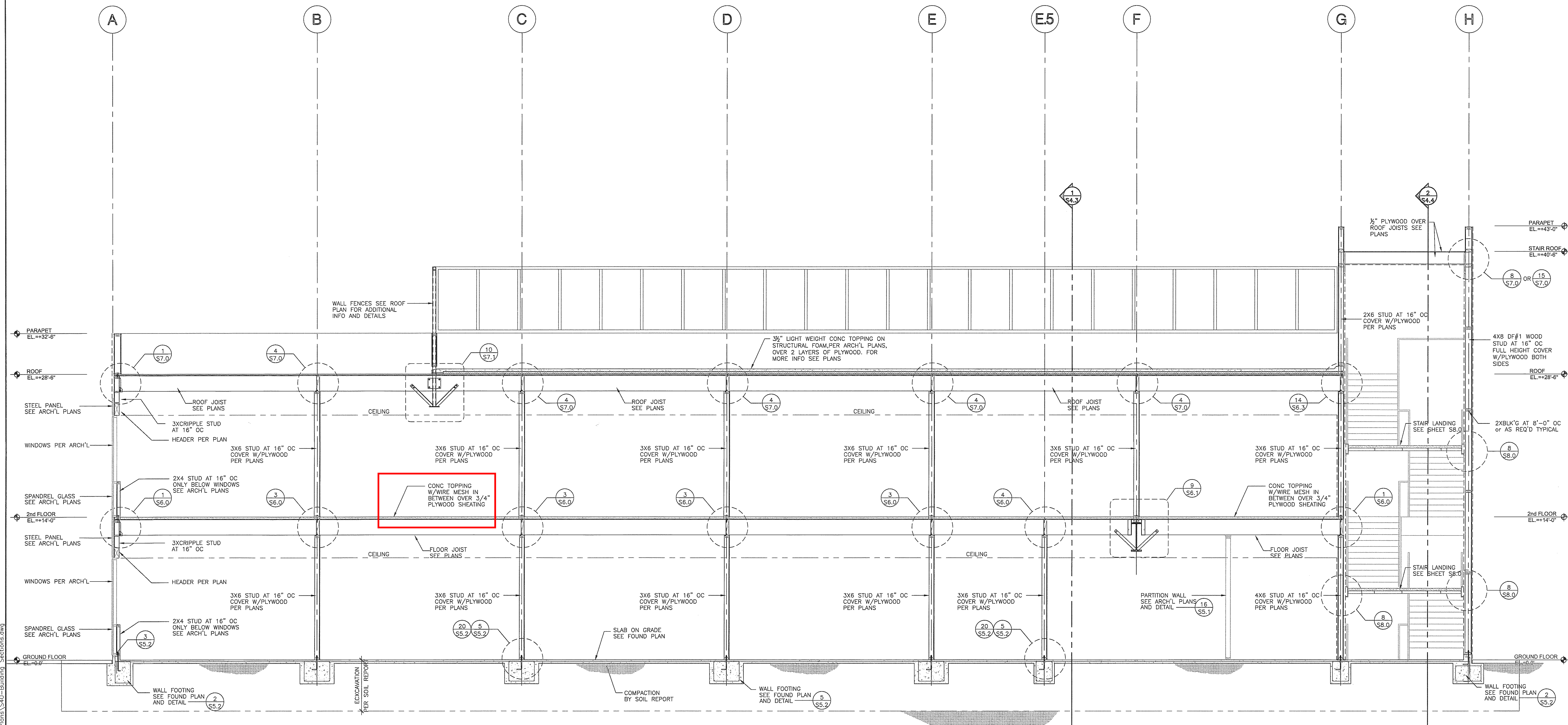
Refer to: S4.0

1. The concrete topping on 2nd floor over plywood is not a standard decking detail and we would like to ensure we are meeting design intent and general functionality.
 - a. Please confirm the +/-2.5" concrete topping slab (4000psi) over ¾" plywood on the 2nd floor is to receive wire mesh per S4.0.
 - b. Please confirm there is NO relief/soft cuts required for this slab.
 - c. Please advise if there are any pre-loading or shoring requirements for the 2nd floor and rooftop decks.

Suggestion:**Answer:** **Accept Suggestion**

1. The floor joists and plywood are designed to support the light weight concrete topping.
 - a. Please make sure the concrete is LIGHT WEIGHT CONCRETE. The concrete topping slab receives wire mesh per notes 1 on sheet S2.0.
 - b. No relief/soft cuts is required
 - c. No pre-loading or shoring is required. The plywood and roof/floor framing is designed to support the extra concrete weight. Please make sure all the roof/floor framing and diaphragm are constructed per approved structural set first. Then the concrete topping can be constructed.

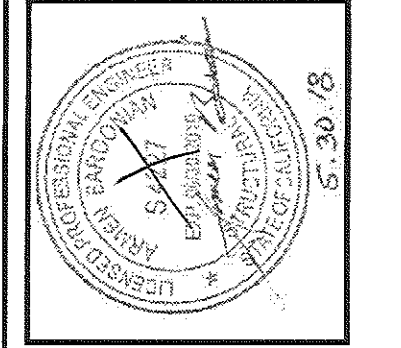
Z.C.**Answered By:****Date:** 08/21/2018**Distribution:**



NOTE:
EXTERIOR WALLS ARE FIRE
RETARDANT TREATED SEE
PLANS AND DETAIL

1 BUILDING SECTION
S4.0 SCALE: 1/4"=1'-0"
NOTES:
1. FOR INFORMATION NOT SHOWN SEE ARCH'L PLANS SECTION 1/AS.1
2. ELEVATION TO BE VERIFIED W/ARCH'L PLANS
3. FOR JOISTS/BEAMS/DECK DIRECTION SEE PLANS

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	PLAN CHECK #2	



PROJECT	
MAGNOLIA SCIENCE ACADEMY	
PROJECT ADDRESS	
18238 SHERMAN WAY, RESEDA, CA 91335	
DRAWING TITLE	
BUILDING SECTION	
DRAWN BY	CHECKED BY
DM	03/09/2018
20 NUMBER	SCALE
17-127	AS NOTED
APPROVED BY	
Signature	
DATE	
MAY 31 2018	
DRAWING NUMBER	
S4.0	

May 29, 2018 8:52 am : User: cscar... X:\17-127 Magnolia Science Ac. ademy\1 Structural Plans\S4.0-Building Sections.dwg



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

REQUEST FOR INFORMATION

RFI-062.1

SUBJECT: Fiberglass Mesh Specification
PROJECT: Magnolia Science Academy

DATE: 09/11/2018
PROJECT NO.: 18049
REQUIRED: 09/14/2018
COST IMPACT: POTENTIALLY
DAYS IMPACT: POTENTIALLY

TO: Etmny Cornejo
Franco Architects Inc.

FROM: Olivia Sanchez
Oltmans Construction Co.

Co-Author:

Contact:

Co-Author RFI Number:

Request:

Refer to: Response to RFI 062

Response to RFI #062 states concrete topping slab to receive wire mesh per note 1 on S2.0. Per OAC meeting on 9/5/2018, owner has requested **fiberglass mesh in lieu of wire mesh**. Please provide a specification for fiberglass mesh.

Suggestion:

Answer:

Accept Suggestion

*please verify fiberglass mesh
or polypropylene fibers. please let me
know
B.A.
9/13/18*

Answered By: _____

Date:

Distribution:

Contact	Company
Devin Ulibarri	Oltmans Construction Co.
Jeff Rich	Oltmans Construction Co.
Johann Wang	Franco Architects Inc.
Karen Montalvo	Franco Architects Inc.
Stephanie Liu	Franco Architects Inc.
Sarineh Minasian	Franco Architects Inc.
Tim Buresh	Magnolia Educational and Research Foundation



CONSTRUCTION CO.
 10005 Mission Mill Road
 Whittier, CA 90601
 Phone: (562) 948-4242 Fax: (562) 695-9267

TRANSMITTAL
 TRN-052

PROJECT: Magnolia Science Academy
TO: Franco Architects Inc.
 12345 Ventura Blvd.
 Suite H
 Studio City, CA 91604

PROJECT NO.: 18049
DATE: 09/26/2018
RE: Concrete Mix Design with 1.5# of Fibers

ATTN: Etmny Cornejo

WE ARE SENDING:		SUBMITTED FOR:		ACTION TAKEN:			
<input type="checkbox"/>	Shop Drawings	<input checked="" type="checkbox"/>	Approval	<input type="checkbox"/>	Approved as Noted		
<input type="checkbox"/>	Letter	<input type="checkbox"/>	Your Use	<input type="checkbox"/>	Reviewed		
<input type="checkbox"/>	Prints	<input type="checkbox"/>	As Requested	<input type="checkbox"/>	Submit		
<input type="checkbox"/>	Change Order	<input type="checkbox"/>	Review and Comment				
<input type="checkbox"/>	Plans						
<input type="checkbox"/>	Samples	SENT VIA:					
<input type="checkbox"/>	Specifications	<input checked="" type="checkbox"/>	Attached			<input type="checkbox"/>	Separate Cover
<input checked="" type="checkbox"/>	Other: Mix Design	Other: EMAIL					
<input checked="" type="checkbox"/>	Submittal:						

Line	Item	Package	Code	Rev.	Qty.	Date	Description	Status
1	Submittal	03300	03300-04	1		09/26/2018	Concrete Mix Design with 1.5# of Fibers	Submitted

REMARKS: Please see attached submittal for your review and approval. Generally, all of the Oltmans Construction notes shall be in green. Please return this submittal within five (5) days from date stated above.

Per RFI #062.1

CC:

FROM: Olivia Sanchez
 Project Engineer

REVIEW IS FOR GENERAL COMPLIANCE WITH CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSUMED FOR CORRECTNESS OF DIMENSIONS OR CTF DETAILS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESS AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS OR HER WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING ALL WORK IN A SAFE AND SATISFACTORY MANNER.

REVIEWED _____ REJECTED _____
 REVISE & RESUBMIT _____ FURNISH AS CORRECTED _____

DATE 09/28/18 BY Johann Wang
 FRANCO ARCHITECTS, INC.

Reviewed Revise & Resubmit
 Furnish as Corrected Rejected

Corrections or comments made on the shop drawings during this review do not relieve contractor from compliance with requirements of the drawings and specifications. This is only for review of the general conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for: Confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction: coordinating his or her work with that of all other trades and performing all work in a safe and satisfactory manner.

B&B ASSOCIATES, INC.

Date: 9/26/18
 By: C.K.

IMPORTANT NOTES:

APPROVED ARCHITECTURAL AND STRUCTURAL DRAWINGS ALWAYS TAKE PRECEDENCE OVER THE SHOP DRAWINGS.

ANY CHANGES IN THE SHOP DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER.

ANY DEVIATION FROM APPROVED DRAWINGS WITHOUT RFI OR CLOUDS FOR VERIFICATION FROM THE ENGINEER OF RECORD, IT WILL BECOME THE RESPONSIBILITY OF THE CONTRACTOR.

Oltmans Construction Company
 Magnolia Science Academy
SUBMITTAL NO: 03300-04
SUBCONTRACTOR: OCCO Concrete
 The information contained within this submittal has been reviewed for general conformance with the requirements of the work and the contract documents. This review does not relieve the subcontractor and/or supplier from responsibilities stipulated in the contract.
BY: Olivia Sanchez **DATE:** 9/26/18
All Pages Reviewed

ROBERTSON'S

ROCK * SAND * BASE MATERIALS
READY MIX CONCRETE

QUALITY CONTROL - TECHNICAL SERVICES

FACSIMILE MESSAGE

Telephone: (951) 685-2200 ext 6381

FAX #: (951) 280-1429

To: Oltmans Construction

From: ROBERTSON'S READY MIX

Attn: Raymond Elias

From: Robbi Stanoff

Fax: _____

Fax: (951) 280-1429

E-mail: RaymondE@oltmans.com

E-mail: Robbie@rrmca.com

Date: 09/24/2018

No. of Pages 3 + Certs

(INCLUDING COVER PAGE)

Subject: Mix design for Magnolia Science Academy- 18220 Sherman Way,

Reseda

Message: **Please check with the sales department for any possible price changes.**

ROBERTSON'S

ROCK * SAND * BASE MATERIALS
READY MIX CONCRETE



Date: 6/26/2018

Concrete Mix Design #: 613901

Project: **Magnolia Science Academy- 18220 Sherman Way - Reseda**

Contractor: **Oltmans Construction**

Description: **4000 psi Lightweight Mix**

Strength (f'c): **4000 psi**

Slump: **4 "**

Max. Size of Agg.: **3/8 "**

Pump Type: **Verify with pump company**

W/C ratio: 0.50

Sack Content: 6.91 sk.

Gal/sk.: 5.64

Plastic Un. Wt.: 123

Equilibrium unit weight Un. Wt.: 110

Aggregate Weights are SSD; Moisture in Aggregates Must be Considered When Determining Total Mix Water

MIX DESIGN PROPORTION

Contents:

Cement (ASTM C-150)

Fly Ash-Class F (ASTM C-618)

Sand
1-1/2" x 3/4"

Hydrolite 16.82 cubic ft

3/8" x #8

Water 39.0 gal.

Entrained Air 5 %

Batch Wt.	%used	Sp. Gr.	Volume
650	100	3.15	3.31
0	0	2.33	0.00
1417	50	2.62	8.65
0	0	2.67	0.00
925	50	1.75	8.48
0	0	2.65	0.00
324.9			5.21
			1.35
3317		Vol. =	27.00

ADMIXTURES :

Pozz200N (ASTM C-494) **3.0** oz./cwt.

Micro Air (ASTM C-260) **.3 to 5** oz./cwt.

****Optional Fibers: Fibermesh 150**

19.5 oz.
2 to 33 oz range
1.5 lbs/yd.

Notes: Dosage rate of entrained air shall be adjusted to achieve the design air content.

Fibermesh 150 fibers are non-stock. Please request 3-5 days prior to pour.

PLEASE FORWARD STRENGTH DATA TO ROBERTSON'S TECHNICAL SERVICES FOR STATISTICAL ANALYSIS

Size	%	2"	1 1/2"	1"	3/4"	1/2"	3/8"	No 4	No 8	No 16	No 30	No 50	No 100	No 200
1 1/2"	0	100	95	33	7	3	1	0	0	0	0	0	0	0
Hydrolite	50	100	100	100	100	100	93	33	12	7	0	0	0	0
3/8"	0	100	100	100	100	100	96	18	2	1	1	0	0	0
WCS	50	100	100	100	100	100	100	98	77	60	39	18	6	2
Combined	100	100	100	100	100	100	97	66	45	34	20	9	3	1

Sand Source : **Robertson's Palmdale**

Rock Source : **TXI - Expanded Shale & Clay**

Cement : **Portland Cement Type II/V**

Aggregates meet ASTM C-330

(951) 685-2200 ext 381

P.O. Box 3600 Corona, CA 92878

Fax (951) 280-1429

Compressive Strength Results**Mix # 613901**

Project Magnolia Science Academy- 18220 Sherman Way - Reseda Date: 6/26/2018
 Subject Submittal

MSA, in.: 3/8
 EqSack: 6.91

Source of Aggregate: Palmdale/ TXI Exp. Shale
 Cement: Mitsubishi
 Mineral Admixture: None
 Chemical Admixture: Pozz200N/Micro Air

Set #	Cast Date	28 day test 1	28 day Test 2	28 Day Average	Range	Cumulative Average	Cumulative Standard Deviation	Cumulative Coefficient Variance	Moving Three (3)
1	12/9/2015	4210	4350	4280	140	4280			
2	12/9/2015	4540	4580	4560	40	4420	198.0	4.5	
3	12/9/2015	4670	4540	4605	130	4482	176.1	3.9	4482
4	12/9/2015	4460	4270	4365	190	4453	155.2	3.5	4510
5	12/9/2015	4390	4640	4515	250	4465	137.2	3.1	4495
6	12/14/2015	4480	4830	4655	350	4497	145.2	3.2	4512
7	12/14/2015	4930	5150	5040	220	4574	244.4	5.3	4737
8	12/14/2015	4340	4560	4450	220	4559	230.5	5.1	4715
9	12/14/2015	4180	4270	4225	90	4522	242.6	5.4	4572
10	12/14/2015	4980	5160	5070	180	4577	287.1	6.3	4582
11	12/14/2015	5100	5170	5135	70	4627	320.2	6.9	4810
12	12/14/2015	4620	4550	4585	70	4624	305.5	6.6	4930
13	12/17/2015	4620	4600	4610	20	4623	292.5	6.3	4777
14	12/17/2015	4730	4870	4800	140	4635	285.0	6.1	4665
15	12/17/2015	4870	4760	4815	110	4647	278.6	6.0	4742
16	12/17/2015	4330	4920	4625	590	4646	269.2	5.8	4747
17	12/21/2015	4270	4370	4320	100	4627	272.3	5.9	4587
18	12/21/2015	4210	4180	4195	30	4603	283.1	6.2	4380
19	12/21/2015	4750	4550	4650	200	4605	275.4	6.0	4388
20	12/21/2015	4520	4270	4395	250	4595	272.1	5.9	4413
21	12/21/2015	4390	4440	4415	50	4586	268.1	5.8	4487
22	12/28/2015	4270	4280	4275	10	4572	269.9	5.9	4362
23	12/28/2015	4240	4400	4320	160	4561	268.9	5.9	4337
24	12/28/2015	4220	4350	4285	130	4550	269.0	5.9	4293
25	12/28/2015	4280	4400	4340	120	4541	266.6	5.9	4315
26	12/31/2015	4160	4220	4190	60	4528	270.2	6.0	4272
27	12/31/2015	4640	4470	4555	170	4529	265.0	5.9	4362
28	12/31/2015	4770	4440	4605	330	4531	260.4	5.7	4450
29	12/31/2015	4190	4160	4175	30	4519	264.1	5.8	4445
30	12/31/2015	4050	4270	4160	220	4507	267.7	5.9	4313

Spec'd f_c	=	4000	psi @ 28 days			Number of tests	30
Reg'd f_{cr}	=	4359	psi, the larger of [1] or [2] Below			Modification Factor (K)	1
						Maximum	5135
						Minimum	4160
						Average	4507
						Standard Deviation (s)	267.7
						Coefficient of variation	5.9

[1]	$f_{cr} = f_c + 1.34ks =$	4000	$+ (1.34 * 1 * 267.7)$			4359
[2]	$f_{cr} = f_c + 2.33ks - 500 =$	4000	$+ (2.33 * 1 * 267.7) - 500$			4124



MITSUBISHI CEMENT CORPORATION

CERTIFICATE OF TEST

Portland Cement - Type I, II, II (MH) & V

Date: 9/10/2018

Source: Cushenbury Plant, 5808 State Highway 18, Lucerne Valley, CA 92356

ASTM designation: C 150 - 16 for Type I, II, II (MH) & V low alkali Cement	Production Period
CALTRANS Specification: Section 90 – 2.01 for Type II modified and V (2006)	From: 8/1/2018
Specification: Section 90 – 1.02B(2) (2015)	
NDOT Specification: Section 701.03.01 for Type II and V	To: 8/31/2018
AZDOT Specifications Subsection 1006-2.01 for Type II and V	

Chemical Composition:

	ASTM C-150 Limits				Test Results
	Type I	Type II	Type V		
Silicon Dioxide (SiO ₂), %	---	---	---	Min.	20.9
Aluminum Oxide (Al ₂ O ₃), %	---	6.0	---	Max.	4.1
Ferric Oxide (Fe ₂ O ₃), %	---	6.0	---	Max.	3.7
Calcium Oxide (CaO), %	---	---	---		62.6
Magnesium Oxide (MgO), %	6.0	6.0	6.0	Max.	3.1
Sulfur Trioxide (SO ₃), %	3.0	3.0	2.3	Max.	2.2
Loss on Ignition (LOI), %	3.5	3.5	3.5	Max.	2.0
Insoluble Residue	1.5	1.5	1.5	Max.	0.71
Total Alkali (%Na ₂ O + 0.658 * %K ₂ O)	0.60	0.60	0.60	Max.	0.51
Tricalcium Silicate (C ₃ S), [b] %	---	---	---		54
Tricalcium Aluminate (C ₃ A), [b] %	---	8	5	Max.	4
C ₄ AF + 2*C ₃ A [b]	---	---	25	Max.	20
C ₃ S + 4.75*C ₃ A [b]	---	100	---	Max.	76
CO ₂ , %	---	---	---		1.3
Limestone, %	5.0	5.0	5.0	Max.	3.4
CaCO ₃ Limestone Purity, %	70	70	70	Min.	84

PHYSICAL RESULTS:

Blaine Fineness (m ² /kg)	260 / ---	260 / 430	260 / ---	Min / Max	382
325 Mesh (% Passing)	---	---	---		98.4
Autoclave Expansion (%)	0.80	0.80	0.80	Max.	0.06
Time of Set Initial Vicat (minutes)	45 / 375	45 / 375	45 / 375	Min / Max	132
Air Entrainment (% Volume)	12	12	12	Max.	6.4
C1702 Heat of Hydration at 7 Days (J/g)	---	---	---	[a]	338
False Set, %	50	50	50	Min.	88
Color, (L value)	---	---	---		56

Compressive Strength Test:

	Type I		Type II		Type V		MPA	PSI
	MPA	psi	MPA	psi	MPA	psi		
1 Day	---	---	---	---	---	---	13.9	2011
3 Day	12.0	1740	10.0	1450	8.0	1160	Min.	24.6 3569
7 Day	19.0	2760	17.0	2470	15.0	2180	Min.	32.9 4766
28 Day	---	---	---	---	21.0	3050	Min.	43.1 6249

This cement has been sampled and tested in accordance with ASTM standard methods and procedures. All tests results are certified to comply with the type specification designated above. No other warranty is made or implied. We are not responsible for improper use or workmanship. The MCC laboratory is AASHTO accredited. [a] For information only. [b] Adjusted per ASTM C150 A1.6.

MITSUBISHI CEMENT CORPORATION



Tom Gepford
Quality Control Manager

 **MITSUBISHI CEMENT CORPORATION**
CERTIFICATE OF TEST

Source: Cushenbury Plant

Portland Cement - Type I, II, II (MH) & V

Date: 9/10/2018

ASTM designation: C 150 - 16 for Type I, II, II (MH) & V low alkali Cement

Production Period

CALTRANS Specification: Section 90 – 2.01 for Type II modified and V
Specification: Section 90 – 1.02B(2) (2010)

From: 8/1/2018

NDOT Specification: Section 701 – 3.01 for Type II and V

To: 8/31/2018

AZDOT Specifications Subsection 1006-2.01 for Type II and V

Additional Data**Limestone Addition**

% Addition:	3.4
SiO ₂ (%)	8.7
Al ₂ O ₃ (%)	2.6
Fe ₂ O ₃ (%)	0.8
CaO (%)	47.6
SO ₃ (%)	0.6

Base Cement Phase Composition

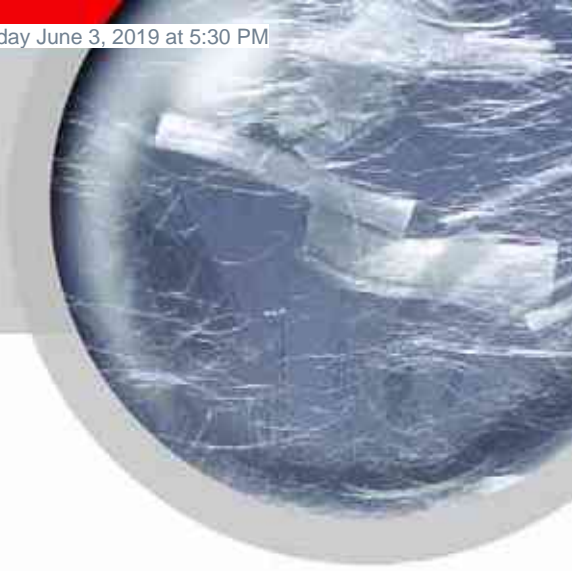
C ₃ S	56
C ₂ S	18
C ₃ A	5
C ₄ AF	11

We certify that the above described data represents the material used in the cement manufactured during the production period indicated.

MITSUBISHI CEMENT CORPORATION
Cushenbury plant



Tom Gepford
Quality Control Manager



FIBERMESH® I50

PRODUCT DATA SHEET

FIBERMESH® I50 SYNTHETIC FIBER

Fibermesh I50, formerly Stealth® e3®, micro-reinforcement system for concrete—100 percent virgin homopolymer polypropylene multifilament fibers containing no reprocessed olefin materials. Specifically engineered and manufactured in an ISO 9001:2000 certified facility for use as concrete reinforcement at an application rate of 1.0 to 1.5 lbs per cubic yard (.60 to .90 kg per cubic meter). UL Classified. Complies with National Building Codes and ASTM C III6/C III6M, Type III fiber reinforced concrete.

ADVANTAGES

Non-magnetic • Rustproof • Alkali proof • Requires no minimum amount of concrete cover • Is always positioned in compliance with codes • Safe and easy to use • Saves time and hassle.

FEATURES & BENEFITS

- Inhibits and controls the formation of intrinsic cracking in concrete
- Reinforces against impact forces
- Reinforces against abrasion
- Reinforces against the effect of shattering forces
- Reinforces against water migration
- Provides improved durability
- Reduces plastic shrinkage and settlement cracking
- Alternate system to traditional reinforcement when used for secondary (crack control) reinforcing in concrete

PRIMARY APPLICATIONS

Applicable to all types of concrete which demonstrate a need for resistance to intrinsic cracking and improved water tightness and an aesthetic finish.

- Slabs-on-ground
- Stucco
- Slope paving
- Sidewalks
- Curbs
- Exposed aggregate
- Driveways
- Overlays & toppings

CHEMICAL AND PHYSICAL PROPERTIES

Absorption	Nil	Melt Point	324°F (162°C)
Specific Gravity	0.91	Ignition Point	1100°F (593°C)
Fiber Length*	Graded	Thermal Conductivity	Low
Electrical Conductivity	Low	Alkali Resistance	Alkali Proof
Acid & Salt Resistance	High		

*Also available in single cut lengths

DO SPECIFY FIBERMESH I50 FIBERS:

- Reduced plastic shrinkage cracking
- Improved impact, shatter and abrasion resistance
- Reduced water migration and damage from freeze/thaw
- Improved durability
- Areas requiring non-metallic materials
- Concrete that needs an architectural finish

DO NOT SPECIFY FIBERMESH I50 FIBERS:

- Crack control from external stresses
- Increasing joint spacing beyond ACI and PCA guidelines
- Decreasing thickness of slabs
- Replacing any moment or structural steel

FIBERMESH® 150

PRODUCT USE

MIXING DESIGNS AND PROCEDURES: Fibermesh® 150 micro reinforcing is a mechanical, not chemical, process. The addition of Fibermesh 150 multifilament fibers do not require any additional water or other mix design changes at normal rates. Fibermesh 150 fibers are added to the mixer before, during or after batching the other concrete materials. Mixing time and speed are specified in ASTM C 94.

FINISHING: Fibermesh 150 micro-reinforced concrete can be finished by any finishing technique. Exposed aggregate, broomed and tined surfaces are no problem.

APPLICATION RATE: The application rate for Fibermesh 150 fibers is 1.0 to 1.5 lbs per cubic yard (.60 to .90 kg per cubic meter). Note: .75 lbs per cubic yard (.44 kg per cubic meter) may be acceptable based on local building codes.

GUIDELINES

Fibermesh 150 fibers should not be used to replace structural, load-bearing reinforcement. Fibermesh 150 fibers should not be used as a means of using thinner concrete sections than original design. Fibermesh 150 fibers should not be used to increase joint spacing past those dimensions suggested by PCA and ACI industry standard guidelines.

COMPATIBILITY

Fibermesh 150 fibers are compatible with all concrete admixtures and performance enhancing chemicals, but require no admixtures to work.

PACKAGING

Fibermesh 150 fibers are available in a variety of packaging options. Special packaging is available for full truckload addition. Fibermesh 150 fibers are packaged, packed into cartons, shrink-wrapped and palletized for protection during shipping.

TECHNICAL SERVICES

Trained Propex Concrete Systems specialists are available worldwide to assist and advise in specifications and field service. Propex Concrete Systems representatives do not engage in the practice of engineering or supervision of projects and are available solely for service and support of our customers.

REFERENCE DOCUMENTS

- ASTM C 94/C 94M Standard Specification for Ready-Mixed Concrete.
- ASTM C III6/C III6M Standard Specification for Fiber-Reinforced Concrete.
- ASTM C 1399 Standard Test Method for Obtaining Average Residual-Strength of Fiber-Reinforced Concrete.
- ASTM C 1436 Standard Specification for Materials for Shotcrete.
- ASTM C 1609/C 1609M Standard Test Method for Flexural Performance of Fiber-Reinforced Concrete (Using Beam With Third-Point Loading). Replaces ASTM C 1018.
- ACI 304 Guide for Measuring, Mixing, Transporting and Placing Concrete.
- ACI 506 Guide for Shotcrete.
- International Code Council (ICC) NER-414 Evaluation Report.



UL® Classified: Type Fibermesh 150. For use as an alternate or in addition to the welded wire fabric used in Floor-Ceiling D700, D800, D900 Series Designs. Fibers may also be used in Floor-Ceiling Design Nos. G229, G243, G256, G514. Fiber added to concrete mix at a rate of 1.0 lb of fiber for each cubic yard of concrete.

SPECIFICATION CLAUSE

Use Fibermesh 150 only 100 percent virgin polypropylene multifilament fibers containing no reprocessed olefin materials and specifically engineered and manufactured in an ISO 9001:2000 certified facility for use as concrete secondary reinforcement. Application per cubic yard shall equal a minimum of 1.0 lb/yd³ (.60 kg/m³). Fibers are for the control of cracking due to plastic shrinkage, plastic settlement and thermal expansion/contraction, lowered permeability, increased impact, abrasion and shatter resistance. Fiber manufacturer shall document evidence of ten year satisfactory performance history, ISO 9001:2000 certification of manufacturing facility, compliance with applicable building codes and ASTM C III6/C III6M, Type III fiber reinforced concrete. Fibrous concrete reinforcement shall be manufactured by Propex Concrete Systems, 6025 Lee Highway, Suite 425, PO Box 22788, Chattanooga, TN 37422, USA, tel: 423 892 8080, fax: 423 892 0157, web site: fibermesh.com.

PROPEX
CONCRETE SYSTEMS

THE ADVANTAGE CREATORS.™

NORTH AMERICA

Propex Concrete Systems Corp.
6025 Lee Highway, Suite 425
PO Box 22788
Chattanooga, TN 37422
Tel: 800 621 1273
Tel: 423 892 8080
Fax: 423 892 0157

INTERNATIONAL

Propex Concrete Systems Ltd.
Propex House, 9 Royal Court, Basil Close
Chesterfield, Derbyshire, S41 7SL.UK
Tel: +44 (0) 1246 564200
Fax: +44 (0) 1246 465201

www.fibermesh.com

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CS-509
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10/07



Date: January 7, 2011

Certification of Compliance: FIBERMESH® 150 e3®

This letter is to certify that FIBERMESH® 150 e3® fibers meet our published specifications and the requirements of ASTM C-1116/C116M-08, Type III 4.1.3, "Standard Specification for Fiber-Reinforced Concrete. FIBERMESH 150 is a patented combination of graded multifilament polypropylene fibers manufactured and tested at Propex Chattanooga facility that has maintained ISO-9001:2008 certification for its systematic approach to quality.

The controlled blend of micro-multifilament fibers are made from 100% virgin polypropylene and we certify that FIBERMESH 150 e3 fibers reduce plastic shrinkage and plastic settlement crack formation, improve impact, abrasion and shatter resistance, reduce water migration and provide a minimum level of residual strength. The e3 technology is engineered for length, thickness, and mix ratio designed to provide excellent finishability with standard finishing techniques. FIBERMESH 150 is designed to have a virtually invisible finish, has excellent mixing properties and will not ball or clump during normal mixing procedures and conforms to the following properties:

Property		Property	
Denier	6, 20	Ignition Point	1100° F
Fiber Length	Graded	Thermal Conductivity	Low
Specific Gravity	0.91	Electrical Conductivity	Low
Absorption	Nil	Alkali Resistance	Alkali Proof
Melt Point	324° F	Acid & Salt Resistance	High

Thank you for choosing FIBERMESH® 150 e3® fibers. Please do not hesitate to contact us if we can be of further assistance.

Sincerely,

Carl Labbe
Chattanooga Manufacturing

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PROPEX OPERATING COMPANY L L C.

6025 Lee Hwy, Ste 425 • PO Box 22788 • Chattanooga, TN 37422 • USA
Telephone 800.621.1273 • Fax 423.899.5005 • Internet: www.fibermesh.com



Grace Construction Products

W.R. Grace & Co. – Conn.
293 Wright Brothers Avenue
Livermore, CA 94550

925-443-9700

www.graceconstruction.com

Robertson's
200 S. Main st
Corona, California 92336

Project Name: Various Locations
Product Selected: Darex® II AEA

This is to certify that the Darex® II AEA, a(n) Air-Entraining Agent, as manufactured and supplied by Grace Construction Products, W.R. Grace & Co. – Conn., is formulated to comply with the Specifications for Chemical Admixtures for Concrete, ASTM: C260 AASHTO: M154.

Darex® II AEA does not contain calcium chloride or chloride containing compounds as a functional ingredient. Chloride ions may be present in trace amounts contributed from the process water used in manufacturing.

The foregoing is in addition to and not in substitution for our standard Conditions of Sale attached.

A handwritten signature in black ink, appearing to read "Mike Gardner".

Mike Gardner
Western Region Technical Services Manager

Grace Concrete Products

DAREX® II AEA

Air-entraining admixture

ASTM C260

Product Description

Darex® II AEA is an air-entraining admixture which generates a highly stable air void system for increased protection against damage from freezing and thawing, severe weathering, or de-icer chemicals. Darex II AEA is a complex mixture of organic acid salts in an aqueous solution specifically formulated for use as an air-entraining admixture for concrete and is manufactured under rigid control which provides uniform, predictable performance. It is supplied ready-to-use and does not require pre-mixing with water. Darex II AEA is a dark brown liquid. One gallon weighs 8.7 lbs (1.04 kg/L). Darex II AEA complies to ASTM C260 *Standard Specifications for Air-Entraining Admixtures for Concrete*.

Uses

Darex II AEA is used in ready-mix, block, and concrete products plants to improve air entrainment stability. It is particularly effective in maintaining air content during longer haul times. Darex II AEA performs well in

conventional concrete and is effective in plasticizing mixes and with slag, lightweight, or manufactured aggregates which tend to produce harsh concrete.

Darex II AEA entrains air effectively with microsilica concrete and with fly ash concrete.

Performance

By agitation of concrete mixers, Darex II AEA disperses and generates millions of discrete semi-microscopic bubbles throughout the concrete composite. Once thoroughly mixed, the concrete contains a stable network of bubbles which act much like ball bearings increasing mobility, or plasticity, of the concrete. This aids workability to the mix and permits a reduction of water with no loss of slump. Placeability is improved. Bleeding, segregation and green shrinkage are minimized.

Through the purposeful entrainment of air, Darex II AEA markedly increases the durability of concrete to all exposures.

Product Advantages

- Air stability makes it particularly useful for longer transit times
- Produces excellent air void systems in concretes that are traditionally difficult to air entrain



Addition Rates

There is no standard addition rate for Darex II AEA. The amount to be used will depend upon the amount of air required under job conditions, usually in the range of 4 to 7%. Typical factors which might influence the amount of air entrained are temperature, cement, sand gradation, and use of extra fine materials such as fly ash. Typical Darex II AEA addition rates generally range from ½ to 5 fl oz/100 lbs (30 to 320 mL/100 kg) of cement.

The air-entraining efficiency of Darex II AEA becomes even greater when used with water-reducing and set-retarding agents. This may allow a reduction of up to ⅔ in the amount of Darex II AEA required for the specified air content.

Mix Adjustment

Entrained air results in increased yields with a consequent decrease in the cement content of the placed concrete. This condition calls for a mix adjustment, usually accomplished by reducing the fine aggregate content. This is in addition to the reduction in water content brought about by the increase in plasticity.

Compatibility with Other Admixtures and Batch Sequencing

Darex II AEA is compatible with most Grace admixtures as long as they are added separately to the concrete mix. In general, it is recommended that Darex II AEA be added to the concrete mix near the beginning of the batch sequence for optimum performance, preferably by “dribbling” on the sand. Different sequencing may be used if local testing shows better performance. Please see Grace Technical Bulletin TB-0110, *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations. Darex II AEA should not be added directly to heated water.

www.graceconstruction.com

North American Customer Service: 1-877-4AD-MIX1 (1-877-423-6491)

Darex is a registered trademark of W. R. Grace & Co.–Conn.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co.–Conn., 62 Whittemore Avenue, Cambridge, MA 02140. In Canada, Grace Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

This product may be covered by patents or patents pending.
AIR-3H Printed in U.S.A. 11/07

Pretesting of the concrete mix should be performed before use, and as conditions and materials change in order to assure compatibility, and to optimize dosage rates, addition times in the batch sequencing and concrete performance. Please consult your Grace representative for guidance.

Packaging & Handling

Darex II AEA is available in bulk, delivered by metered tank trucks, totes and drums.

Darex II AEA will freeze at about 30°F (-1°C), but its air-entraining properties are completely restored by thawing and thorough mechanical agitation.

Dispensing Equipment

A complete line of accurate dispensing equipment is available. These dispensers can be located to discharge into the water line, the mixer, or on the sand.

Specifications

Concrete shall be air entrained concrete, containing 4 to 7% entrained air. The air contents in the concrete shall be determined by the pressure method (ASTM Designation C231), gravimetric method (ASTM Designation C138) or volume metric method (ASTM Designation C173). The air-entraining admixture shall be Darex II AEA as manufactured by Grace Construction Products, or equal. The air-entraining admixture shall be added at the concrete mixer or batching plant at approximately ½ to 5 fl oz/100 lbs (30 to 320 mL/100 kg) of cement, or in such quantities as to give the specified air contents.

GRACE



62 Whittemore Avenue
Cambridge, Massachusetts 02140
USA

GCPat.com

Alla Cannon
Product Certification Specialist
+1 617 498 2639 Office
+1 617 763 0402 Mobile
alla.y.cannon@gcpat.com

10/20/17

To whom it may concern:

This is to certify that **ZYLA 625** a water reducing and retarding admixture as manufactured and supplied by GCP Applied Technologies Inc. is formulated to comply with the Standard Specification for Chemical Admixtures for Concrete, ASTM C 494, Type A and D (AASHTO M 194, Type A and D).

The maximum chloride ion content is 1000 ppm. Typical ZYLA 625 water reducer dosage rates range from 3 to 5 oz/cwt (195 to 325 ml/100kg) and a wider dosage rate range of 2 to 10 oz/cwt (130 to 652 mL/100 kg) can be used if local testing shows acceptable performance.

ZYLA 625 does not contain calcium chloride or chloride containing compounds as a functional ingredient. Chloride ions may be present in trace amounts as contributed from process water used in manufacturing.

A handwritten signature in blue ink that reads "A. Cannon". The signature is written in a cursive style and is highlighted with a light blue rectangular background.

Alla Cannon
Product Certification Specialist

Grace Concrete Products

ZYLA® 625

Water-reducing admixture

ASTM C494 Type A and D

Product Description



ZYLA® 625 water-reducing admixture is a proprietary formulation incorporating polycarboxylate and highly purified specialty organic chemicals. It promotes more complete hydration of Portland cement and has minimal effect on concrete air entrainment. The ZYLA product line of water reducers is specially formulated to have a synergistic effect with polycarboxylate-based mid-range and high-range water reducers that improve flat-work finishability. This product contains no intentionally added chloride and as such is essentially chloride free. It is manufactured under rigid controls that provide uniform, predictable performance. ZYLA 625 water reducer is supplied as a light brown, low viscosity liquid, and is ready-to-use as received. One gallon weighs approximately 9.1 lbs (1.09 kg/L). This product meets the requirements of *Specification for Chemical Admixtures for Concrete*, ASTM Designation C494 as a Type A and D admixture. Please consult your Grace representative for guidance on the ZYLA product line.

Product Advantages

- Minimal impact on concrete air content
- Better control of water reduction and setting times as compared to traditional lignin-based water reducers
- Synergistic performance of polycarboxylate-based mid-range and high-range water reducers, which include water reduction, concrete strength and air control
- In the hardened state, improves the compressive and flexural strengths at all ages of concrete versus traditional lignin-based water reducers

Uses

ZYLA® 625 water reducer is used to produce concrete mixes with lower water content (typically 3% to 10% reduction), greater plasticity and higher compressive strengths. It is suitable for normal weight and light weight concrete in ready-mix, precast and prestressed applications.

Finishability

The unique chemistry of ZYLA® 625 product positively impacts the finishability of concrete by providing a creamier and more homogenous texture, with more uniform and increased bleed rate relative to traditional lignin-based water reducers, although less than ZYLA 610. The influence of ZYLA 625 product on the finishability of lean mixes has been particularly noticeable. Floating and troweling, by machine or hand, imparts a smooth, close tolerance surface.

Addition Rates

The addition rate range of 3 to 5 fl oz/100 lbs (195 to 325 mL/100 kg) of cement or cementitious is typical for most applications. However addition rates of 2 to 10 fl oz/100 lbs (130 to 652 mL/100 kg) of cement or cementitious may be used if local testing shows acceptable performance. Pretesting is required to determine the appropriate addition rate for desired performance. The optimum addition rate depends on the other concrete mixture components, job conditions, and desired performance characteristics.

Compatibility with Other Admixtures and Batch Sequencing

ZYLA® 625 water reducer is compatible with most Grace admixtures as long as they are added separately to the concrete mix, usually through the water holding tank discharge line. However, it is not recommended for use in concrete containing naphthalene-based and melamine-based admixtures. In general, it is recommended that ZYLA 625 admixture be added to the concrete mix near the end of the batch sequence for optimum performance. Different sequencing may be

used if local testing shows better performance. Please see Grace Technical Bulletin TB-0110, *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations. ZYLA 625 water reducer should not come in contact with any other admixture before or during the batching process, even if diluted in mix water.

Pretesting of the concrete mix should be performed before use, and as conditions and materials change in order to assure compatibility, and to optimize dosage rates, addition times in the batch sequencing and concrete performance. For concrete that requires air entrainment, the use of an ASTM C260 air-entraining agent (such as Daravair® or Darex® product lines) is recommended to provide suitable air void parameters for freeze-thaw resistance. Please consult your Grace representative for guidance.

Packaging & Handling

ZYLA® 625 water reducing admixture is available in bulk, delivered by metered tank trucks, in 275 gal (1,040 L) totes, and in 55 gal (210 L) drums. It will freeze at about 28°F (-2°C), but will be completely uniform after thawing and thorough agitation.

Dispensing Equipment

A complete line of accurate, automatic dispensing equipment is available. ZYLA® 625 product may be introduced to the mix through the water holding tank discharge line. The ZYLA product line is formulated to be free of sediment.

Specifications

Concrete shall be designed in accordance with *Standard Recommended Practice for Selecting Proportions for Concrete*, ACI 211.

The water-reducing admixture shall be ZYLA® 625, as manufactured by Grace Construction Products, or equal. The admixture shall not contain calcium chloride as a functional ingredient. ZYLA 625 admixture will not promote corrosion of reinforcing steel embedded in concrete. It shall be used in strict accordance with the manufacturers' recommendations. The admixture shall comply with ASTM Designation C494, Type A and D water-reducing admixtures. Certification of compliance shall be made available on request.

The admixture shall be delivered as a ready-to-use liquid product and shall require no mixing at the batching plant or job site.

www.graceconstruction.com

North American Customer Service: 1-877-4AD-MIX1 (1-877-423-6491)

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This product may be covered by patents or patents pending.
ZYLA-625 Printed in U.S.A. 03/15 GCS/PDF

GRACE



SDVOSB . DVBE

SCST, Inc.
Corporate Headquarters
 6280 Riverdale Street
 San Diego, CA 92120
 P 619.280.4321
 T 877.215.4321
 F 619.280.4717
 W www.scst.com

Job Name: Robertson's Ready Mix
 Sample I.D.: WCS
 Job Number: 170003L Source: Palmdale
 Date: July 7, 2017 Tested By: DRB

ASTM C136 Sieve Analysis of Fine and Coarse Aggregate

C33 Specification			
Metric	Stand.	% Pass	% Pass
9.5 _{mm}	3/8"	100	100
4.75 _{mm}	# 4	96	95-100
2.36 _{mm}	# 8	81	80-100
1.18 _{mm}	# 16	59	50-85
600 _{um}	# 30	39	25-60
300 _{um}	# 50	19	5-30
150 _{um}	# 100	5	0-10
75 _{um}	# 200	0.4	-
Fineness Modulus		3.1	2.3-3.1

ASTM C88 Soundness of Aggregates-Sodium Sulfate

Sieve Size	Individual % Retained	Individual % Loss	% Loss By Weight
#8	15	3.4	0.5
#16	20	5.7	1.1
#30	20	6.6	1.3
#50	14	8.3	1.2
Total % Loss by Weight (C33 Spec. 10% Max)			4.1

ASTM C289 Potential-Alkali Silica Reactivity

Alkaline Reactivity mmol/L	Dissolved Silica mmol/L
65	24

*This aggregate is considered innocuous

ASTM	TEST	RESULT	C33 Specification
C40	Oganic Impurities	1	3 Maximum
D2419	Sand Equivalent	83	-
C123	Lightweight Particles	0.0%	1% Maximum
C142	Clay Lumps & Friable Particles	0.4%	1% Maximum

Respectfully Submitted,
 SCST, Inc.

Scott H. Vacula, PE C72600
 Senior Materials Engineer



CHJ Consultants

A Terracon COMPANY

January 12, 2017

Revised July 11, 2017

Trinity Industries, Inc.
11728 Highway 93
Boulder, Colorado 80303
Attention: Mr. Charles Kerzic

Job No. 16001-5

Subject: ASTM C330 Compliance Testing
Frazier Park Structural Lightweight Aggregate (Hydrolite)

Dear Mr. Kerzic:

At your request, CHJ Consultants performed tests on the Trinity Industries Structural Lightweight Aggregate (Hydrolite) to verify conformance with ASTM Designation C330-14 "Standard Specification for Lightweight Aggregates for Structural Concrete". The Trinity Industries Structural Lightweight Aggregate is an expanded clay aggregate produced at the Trinity Industries plant in Frazier Park. The results are as follows.

A. DELETERIOUS SUBSTANCES:

Test	Test Method	Test Result	C330 Requirement
Organic Impurities	C40	Lighter than Standard	Lighter Than Standard
Staining	C641	Stain Index of 20	Stain Index of Less Than 60
Loss on Ignition	C114	0.97 Percent	Less than 5 Percent



Client: Trinity Industries
 Material: Structural Lightweight Aggregate (Hydrolite)

Page No. 2
 Job No. 16001-5

B. PHYSICAL TESTS:

Test	Test Method	Test Result	C330 Requirement
Clay Lumps and Friable Particles	C142	0.1 Percent	Less than 2 Percent
Bulk Density Dry Loose Condition	C29	49.1 pcf	55 pcf Maximum
Bulk Density Saturated Loose Condition	C29	57.1 pcf	No Requirement
Specific Gravity	C127	1.74	No Requirement
Absorption	C127	24.0	No Requirement

GRADING - SIEVE ANALYSIS (Test Method C136) Coarse Aggregate: 3/8-Inch to No. 8		
Sieve Size	Percent Passing	C330 Requirement
1/2" (12.5 mm)	100	100
3/8" (9.5 mm)	82	80-100
No. 4 (4.75 mm)	16	5-40
No. 8 (2.36 mm)	2	0-20
No. 16 (1.18 mm)	1	0-10



Client: Trinity Industries
 Material: Structural Lightweight Aggregate (Hydrolite)

Page No. 3
 Job No. 16001-5

C. TESTS ON CONCRETE MADE WITH LIGHTWEIGHT AGGREGATE:
 Concrete Mixture – 3/8" Lightweight Aggregate

Material	Weight (lbs.)	Specific Gravity	Absolute Volume
Cement - Type II	564	3.15	2.87
Water	300	1.00	4.81
Natural Sand	1,482	2.63	8.93
Trinity Frazier Park	942	1.74	8.57
Admixtures:			
Water Reducing (fl. oz.)	22.6		
Air Entraining (fl. oz.)	0.8		
Slump (inches)	4.50		
Air Content (%)	6.75		1.82
Plastic Unit Weight (pcf)	120.6		

Test	Test Method	28-Day Test Result (psi)	C330 Requirement
Compressive Strength	C39	4,280	3,000 psi Minimum
		4,110	
		<u>4,410</u>	
		4,270	
Average			
Splitting Tensile	C496	500	310 psi Minimum
		490	
		470	
		495	
		395	
		460	
		450	
		<u>435</u>	
		460	
		Average	



Client: Trinity Industries
 Material: Structural Lightweight Aggregate (Hydrolite)

Page No. 4
 Job No. 16001-5

TESTS ON CONCRETE MADE WITH LIGHTWEIGHT AGGREGATE (Cont'd):
 Concrete Mixture – 3/8" Lightweight Aggregate

Test	Test Method	Test Result	C 330 Requirement
Oven Dry Density	C567-14 (Measured)	106.8 106.3 <u>106.4</u> 106.5	No Requirement
Average			
Calculated Approximate Equilibrium Density	C567-14 (Calculated per Section 9.2)	109.5 pcf	110.0 pcf Maximum
Equilibrium Density		111.8 111.5 <u>112.1</u> 111.8	No Requirement
Average			
Drying Shrinkage	C330 (Section 8.4)	0.054%	0.070% (Max)
Popout Test	C151	No Popouts	No Popouts

D. **CONFORMANCE:**

The Trinity Structural Lightweight Aggregate (Hydrolite) manufactured by Trinity Industries, Inc. at Frazier Park, California, conforms to the requirements of ASTM Designation: C330-14 "Standard Specification for Lightweight Aggregates for Structural Concrete" for the tests indicated.



Client: Trinity Industries
Material: Structural Lightweight Aggregate (Hydrolite)

Page No. 5
Job No. 16001-5

Thank you for the opportunity to provide materials testing services. If you should have any questions regarding this information, please do not hesitate to contact this firm at your convenience.

Respectfully submitted,
CHJ CONSULTANTS,
A TERRACON COMPANY

George Battey III
Senior Consulting Engineer



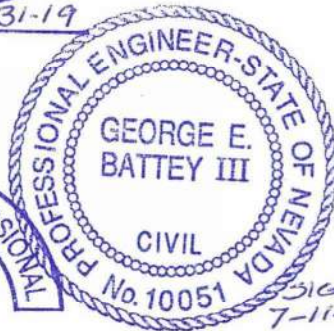
SIGNED
7-11-17

California Registered Civil Engineer No. 34323
Registration Expires 09-30-2017



Expires 12-31-19

Arizona Registered Professional
(Civil) Engineer No. 29666
Registration Expires 12-31-2018



SIGNED
7-11-17

Nevada Professional Engineer No. 10051
Registration Expires 12-31-2018



SIGNED
7-11-17

EXPIRES: 12-31-17

Oregon Professional Engineer No. 16120
Registration Expires 12-31-2017

Distribution: Trinity Industries (4)
Charles Kerzic - email (charles.kerzic@trin.net)
Nick Barrett - email (nick.barrett@trin.net)



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM

PCI031

TITLE: DWP New Electrical Service Pole**DATE:** 05/06/2019**PROJECT:** Magnolia Science Academy**PROJECT NO.:** 18049**TO:****Magnolia Educational and Research Foundation**

250 E. 1st St., 1500

Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment required to install the added LADWP electrical pole not previously included in our scope. Reference E2.1 for site plan.

DWP has advised that the Owner needs to install a new pole to feed the new electrical equipment (LADWP page 7-28 Design & Installation Guide for Overhead Services, 0-600 volts sheet)

This PCI excludes any items not identified above including additional move-ins, engineering, testing and permits. It excludes any schedule associated impacts, general conditions, future changes caused by City review or inspections.

Vendor	Description	Amount
Safeway Bldg. Systems Inc. dba Safeway Electric	Electrical: DWP Electrical Service Pole	5,453.00
	SUBTOTAL:	5,453.00
	Bond	45.00
	Gross Tax	8.00
	GL	53.00
	SDI	69.00
	Fee	279.00
	SUBTOTAL:	454.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		5,907.00

APPROVAL:

Oltmans Construction Co.

BY: Trevor Lawton**DATE:****APPROVAL:**

Magnolia Educational and Research

BY:**DATE:**

Elizabeth Lara

From: Elizabeth Lara
Sent: Tuesday, April 2, 2019 3:14 PM
To: 'cbedoy@safewaybsi.com'
Cc: Trevor Lawton; Jeff Rich; 'projectsupport@safewaybsi.com'
Subject: MSA - DWP Electrical Service Pole RFP
Attachments: New Electrical Service Pole Required Per DWP.pdf

Categories: Archived

Hello Carlos,

DWP has advised that the Owner needs to install a new pole to feed the new electrical. Your Foreman was present when Jeff met with DWP and they told us location and gave us the attached pole requirement. Please price the new pole and send us a COR referencing DWP Electrical Pole. If there is a lead time, please let us know.

Thank you,
Elizabeth F. Lara
Sr. Project Engineer

Oltmans Construction Co.
T 562.948.4411, Ext. 3432

-----Original Message-----

From: Trevor Lawton <TrevorL@oltmans.com>
Sent: Thursday, March 21, 2019 3:29 PM
To: Jeff Rich <JeffR@oltmans.com>; Elizabeth Lara <ElizabethL@oltmans.com>
Subject: RE:

So we need to have Safeway price installing a pole? Isn't there a pole already there that we can come down... seems redundant but whatever.

Trevor Lawton, CESSWI, QSP
Project Manager

Oltmans Construction Co.
T 562.948.4242, Ext. 3459
C 916.276.7666

-----Original Message-----

From: Jeff Rich <JeffR@oltmans.com>
Sent: Thursday, March 21, 2019 10:28 AM
To: Elizabeth Lara <ElizabethL@oltmans.com>
Cc: Trevor Lawton <TrevorL@oltmans.com>
Subject: FW:

This was the paperwork given to me from Tom with DWP. Tom is the electrical side. We need to install a new power pole to feed the new electrical equipment.

Jeff Rich
Superintendent
Oltmans Construction Co.
C 562.217.5741
jeffr@oltmans.com

-----Original Message-----

From: OltmansConstruction@oltmans.com <OltmansConstruction@oltmans.com>
Sent: Thursday, March 21, 2019 7:27 AM
To: Jeff Rich <JeffR@oltmans.com>
Subject:

This E-mail was sent from "OCCO-Reseda" (Aficio MP C2800).

Scan Date: 03.21.2019 10:26:39 (-0400)
Queries to: OltmansConstruction@oltmans.com



"Building a Safe & Secure Southern California"

Request For Change Order

To: Oltmans Construction Co
10005 Mission Mill Road
Whittier, CA 90601

Project: Oltmans Magnolia Science Cnt

RFC No: 18

Date: 4/23/2019

Description: SCOPE:

Electrical Construction: This Change Order Request is for the Added SOW for the Installation of the New DWP Electrical Pole.

INCLUDES:

This proposal includes all materials, tax, equipment, and labor as needed to provide a complete and operable system for work as described herein.

EXCLUDES:

Overtime

Shift work

Permits & Fees

Inclusions and Exclusions of the Original Executed Contract will apply to this cost estimate

Anything not expressly included above



“Building a Safe & Secure Southern California”

Request For Change Order

To: Oltmans Construction Co
10005 Mission Mill Road
Whittier, CA 90601

Project: Oltmans Magnolia Science Cnt

The above work is subject to the same conditions as specified in the original contract unless otherwise stipulated.

Upon approval the sum of \$5,453.00 will be added to the contract price.

Original Contract	\$473,950.00
Other Approved Change Orders	\$10,847.53
Total Contract to Date	\$484,797.53
This Request	\$5,453.00
Other Pending Requests	\$65,072.76
Total Contract plus Pending RFCs	\$555,323.29

Authorized Signature: _____ Date: _____
Safeway Building Systems, Inc

Authorized Signature: _____ Date: _____
Oltmans Construction Co

1474 Miller Drive | Colton, CA 92324
Phone (909) 824-6441
Fax (909) 824-0571

www.safewaybsi.com

Lic # B/C-10 387886
Lic # C-46, C-7
ACO# 3998



Since 1980

"Building a Safe & Secure Southern California"

Change Order Request Form

Customer Oltmans Construction

Project: Magnolia Science Academy

Job Number: E129718

Date: 4/29/19 COR 18

This COR is for the procurement and installation of (1) DWP Electrical Pole, as requested by the Owner.

Labor Costs

Position	Hours Worked	Hourly Rate	OT Hours	OT Rate	Total Cost
Journeyman	26	\$ 85.00		\$ 127.50	\$ 2,210.00
Foreman		\$ 95.00		\$ 142.50	\$ -
Superintendent		\$ 105.00		\$ 157.50	\$ -
Mark Up 10%					\$ 221.00
Total Labor Costs					\$ 2,431.00

Material Costs

See Material Breakout Report Attached	\$ 2,543.72
Subtotal	\$ 2,543.72
Sales Tax 8%	\$ 203.50
Mark Up 10%	\$ 274.72
Total	\$ 3,021.94

Equipment Costs

Description	Day	Rate	Total
		\$ -	\$ -
Mark-Up 10%			\$ -
Total Equipment Costs			\$ -

Subcontractors

	\$ -
	\$ -
	\$ -
Subcontractor Costs	\$ -
Mark-up @ 10%	\$ -
Total Subcontractor Costs	\$ -

Total Daily Change Order Due \$ 5,452.94

ESTIMATE 1 1284:

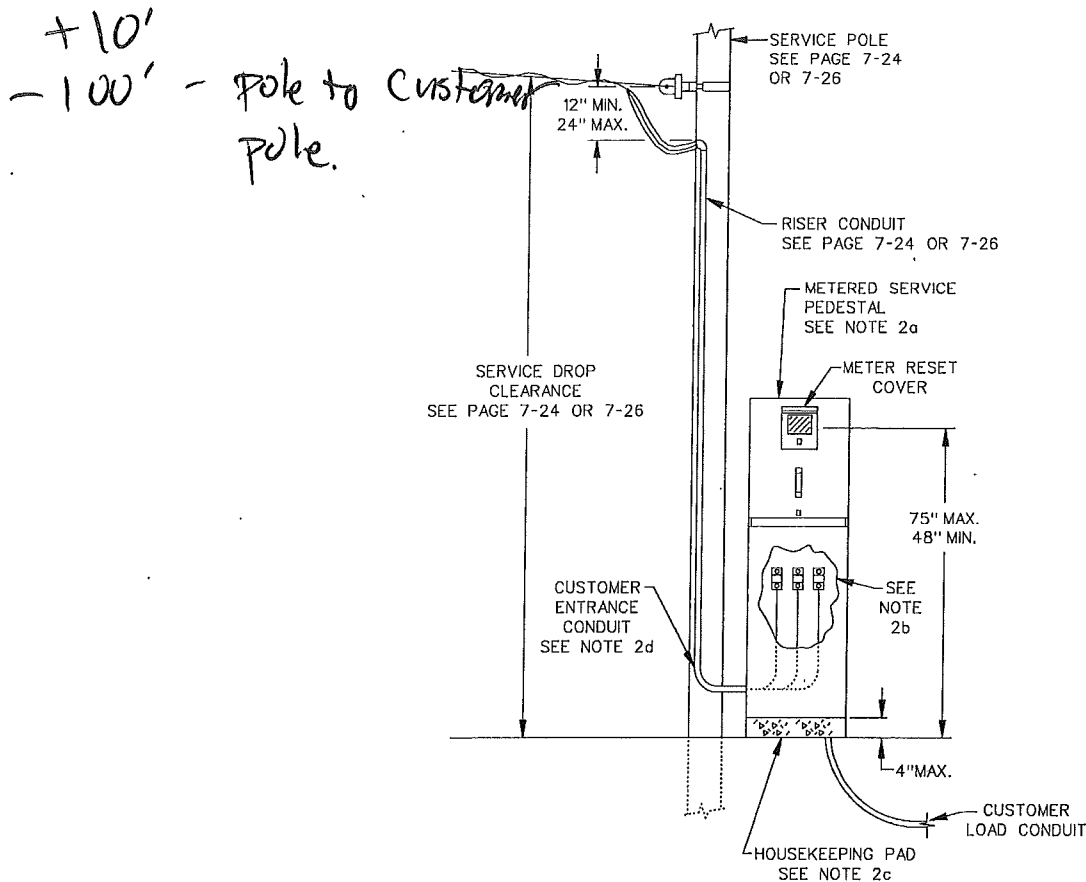
MATERIAL Primary

DATA SET 11 CommTSC/EST/NECA 07/14...

LABOR Primary

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
	20' POLE AND DELIVERY	1.00	EACH	900.00	2.0000
	MISC	1.00	LOT	100.00	2.0000
	AUGER INSTALL	1.00	EACH	750.00	8.0000
(LABOR ITEM)	16' TO 20' POLE	1.00	EACH	0.00	2.8000
2 1/2"	PVC SCH 40	50.00	FEET	54.00	4.5000
2 1/2"	PVC SCH 40 90 ELBOW	2.00	EACH	6.20	0.4000
2 1/2"	PVC COUPLING	4.00	EACH	2.88	0.6000
2 1/2"	WEATHERHEAD	1.00	EACH	184.60	0.9000
2 1/2"	GRC 2 HOLE STRAP	6.00	EACH	4.86	0.3000
1.	THHN STR CU	50.00	FEET	64.00	0.5500
3/0	THHN STR CU	198.00	FEET	477.18	3.9600
Grand Totals				2,543.72	26.0100

**CUSTOMER-OWNED PERMANENT/TEMPORARY SERVICE POLE WITH PEDESTAL
 200 AMPERES MAXIMUM, 0-600 VOLTS**


1. For wood or metal customer-owned service pole details, see pages 7-24 to 7-27.
2. For metered service pedestal in used conjunction with customer-owned service poles:
 - a. A commercial service and meter pedestal is required for all applications. The total service capacity is limited to 200 amperes. For dual-socket pedestal designs, the ampacity of each service disconnect (meter switch) shall not exceed 100 amperes.
 - b. A permanent sign shall be provided on the service entrance pull box cover reading:
"Wires in this Pull Box are the Responsibility of the Customer to Provide and Maintain"
 - c. The pedestal shall be mounted on a substantial concrete foundation.
 - d. Service entrance conduit riser and conductors shall enter the side of the pedestal's incoming pull box, be continuous and free of junction boxes and condulets.
3. Additional references:
 - a. For safety-socket meter panel details, see pages 2-24 and 2-26.
 - b. For commercial service and meter pedestals, see page 2-44, 2-45 and 2-46.
 - c. Engineering offices and telephone numbers, see page 1-4.

CUSTOMER-OWNED PERMANENT/TEMPORARY WOOD SERVICE POLE
200 AMPERES MAXIMUM, 0-600 VOLTS
NOTES:

- The pole shall be a new, self-supporting, fully-treated round pole with a minimum length of 25 feet and a minimum diameter at the top of 5 inches.

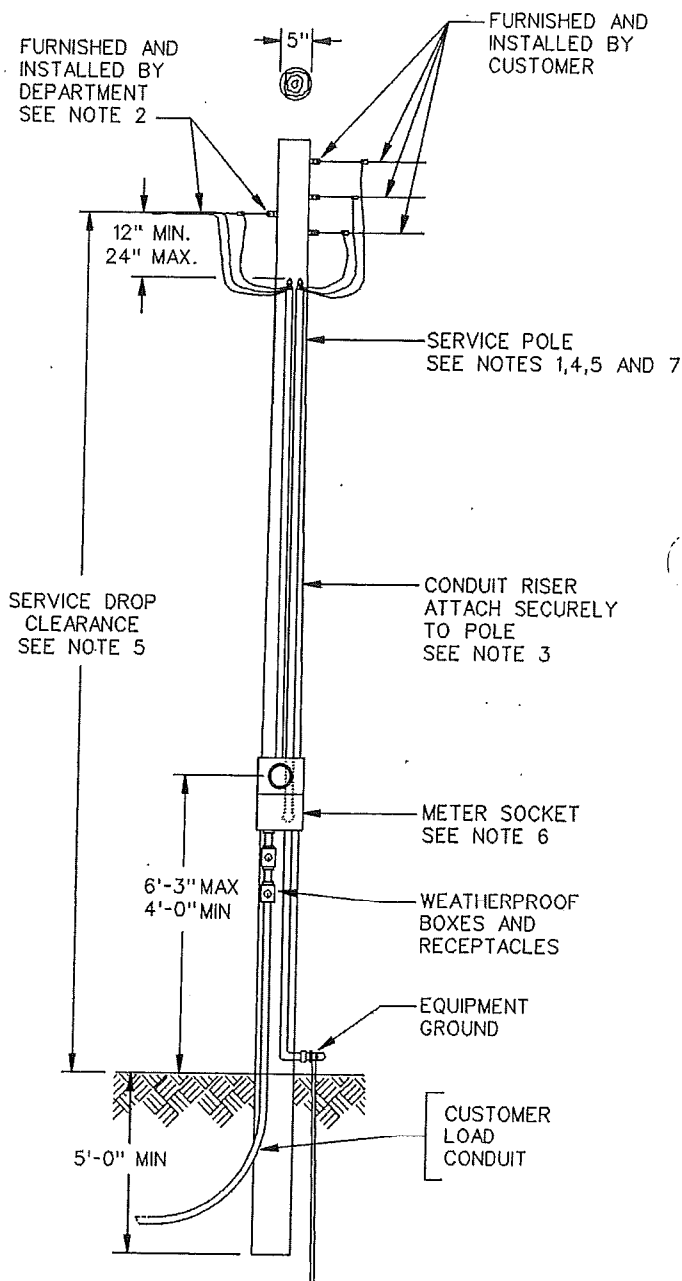
Note: Used poles are not acceptable.

- Service drop conductors, service drop attachment bracket and the meter shall be furnished and installed by the Department - all other equipment shall be furnished and installed by the contractor.
- Risers shall be 3/4-inch minimum polyvinyl Chloride (PVC) schedule 40 or metallic conduit and shall be securely attached to the pole.
- Floodlights, signs, ropes, and other similar equipment shall not be attached to the pole.
- The pole shall be located:
 - At least 10 feet from the Department service pole and, whenever practicable, at least 10 feet laterally from the center of the pole line but not more than 150 feet from the Department's servicing pole.
 - So that the ground clearance, buildings and other obstructions shall not reduce the service drop height below the required minimum clearances specified on pages 7-4 to 7-9.

Note: Consult with the area service planning office to determine the location of the attachment bracket on the pole required to meet the specified clearances.

- For permanent service applications, a safety-socket meter panel is required for all commercial services. For temporary service applications, a residential meter socket may be used for a 125-ampere, single-phase service - a safety-socket meter panel is required for all others.

Note: The service equipment short-circuit duty rating must meet or exceed the Department's fault current value for the installation.

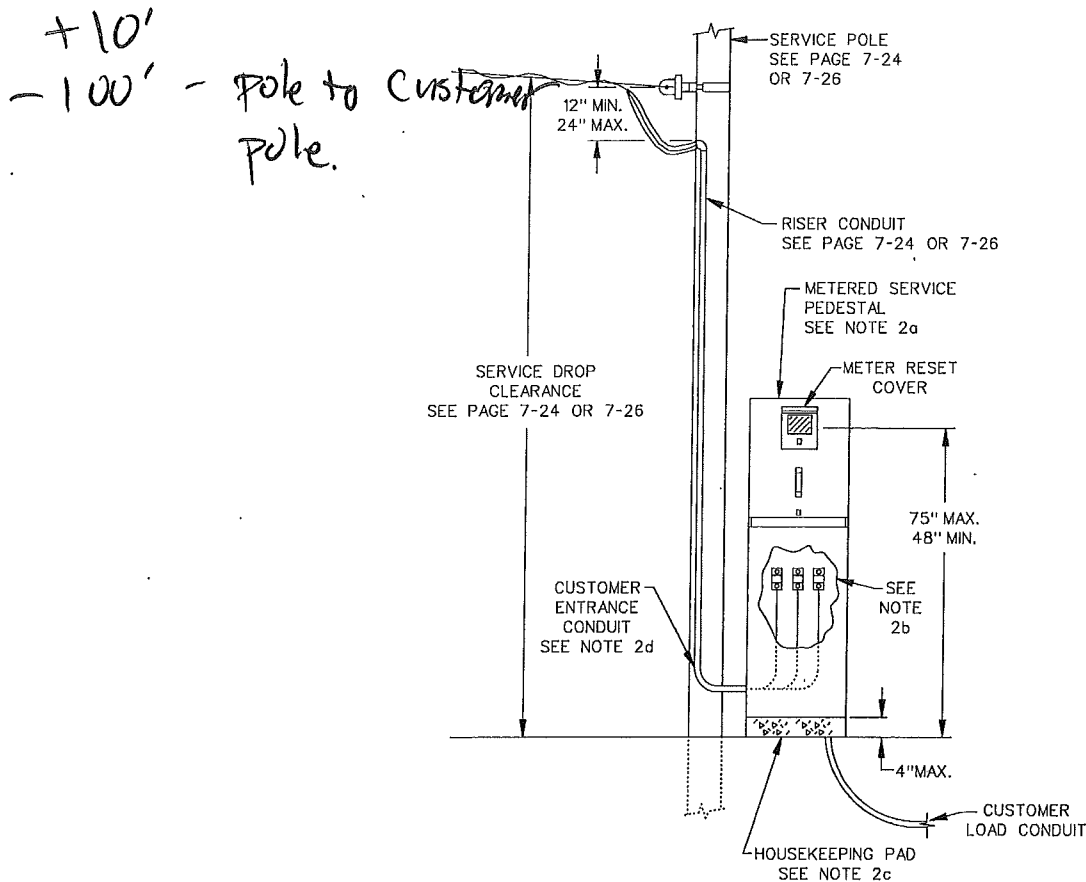


CUSTOMER-OWNED PERMANENT/TEMPORARY METAL SERVICE POLE (Cont.)

2. Attachments to metal poles shall be made with devices that will not affect the strength or integrity of the pole (see attachment detail). Drilling or welding are not acceptable.
3. The Department will furnish the attachment bracket and furnish and install the service drop conductors and meter. The customer shall install the attachment bracket and shall furnish and install the pole and all other equipment.
4. Riser conduits shall be 3/4-inch minimum polyvinyl Chloride (PVC) schedule 40 or metallic conduit. Metallic riser conduits are not required to be covered as long as the metal pole is effectively grounded and the metallic conduits are bonded to the pole. If a protective covering is required, consult the Department.
5. Floodlights, signs, ropes, and other similar equipment shall not be attached to the pole.
6. The pole shall be located:
 - a. At least 10 feet from the Department service pole and, whenever practicable, at least 10 feet laterally from the center of the pole line but not more than 150 feet from the Department's servicing pole.
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Note: The service equipment short-circuit duty rating must meet or exceed the Department's fault current value for the installation.
8. The numeric portion of the street address shall be provided on the pole on the side facing the street or drivable surface. Plastic or metallic numbers of the type used for house addresses are acceptable.
9. Additional references:
 - a. For safety-socket meter panel details, see pages 2-24 and 2-26.
 - b. Engineering offices and telephone numbers, see page 1-4.

**CUSTOMER-OWNED PERMANENT/TEMPORARY SERVICE POLE WITH PEDESTAL
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200 AMPERES MAXIMUM, 0-600 VOLTS**

NOTES:

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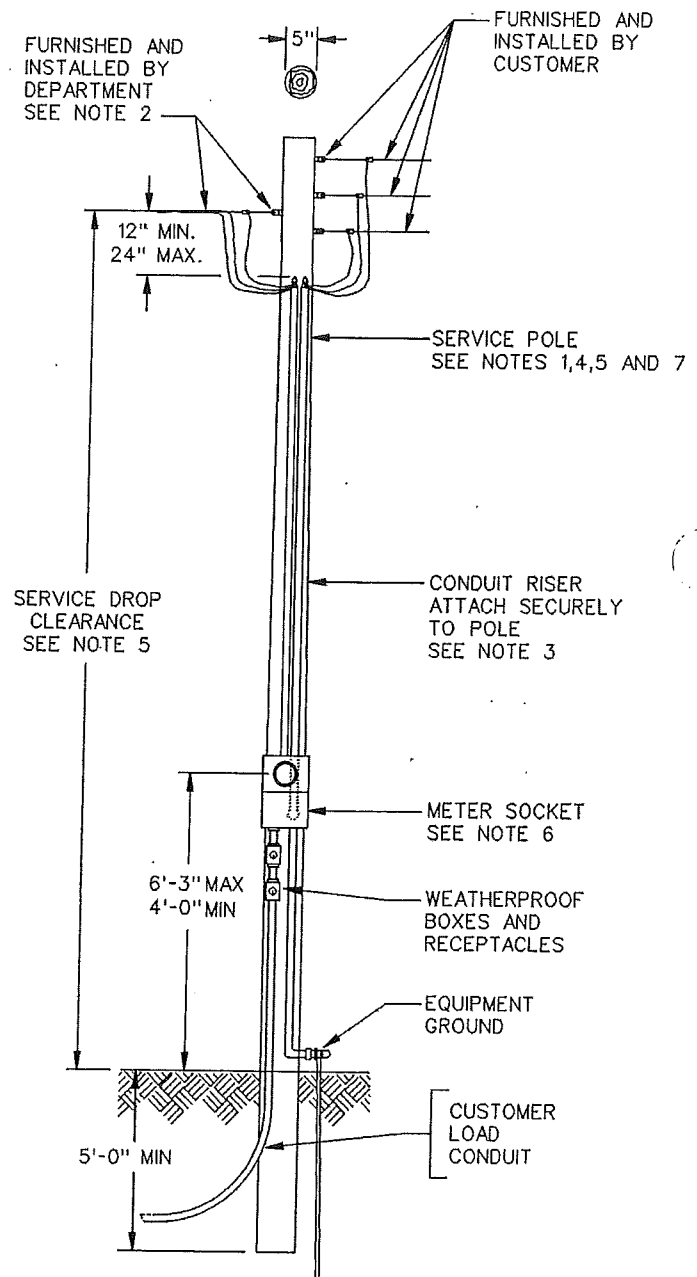
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9. Additional references:
 - a. For safety-socket meter panel details, see pages 2-24 and 2-26.
 - b. Engineering offices and telephone numbers, see page 1-4.

SHERMAN WAY

- SITE LIGHTING LEGEND**
- ⊕ EXT A LED WALL MOUNTED LIGHT; BY WAC LIGHTING. WP-LED335-50-WT
 - ⊕ EXT B LED WALL MOUNTED LIGHT; BY SHARPER LIGHTING. 674-WP SERIES- 674-31"-WP-L3/830- ALP
 - EXT C 6-INCH RECESSED LED FIXTURE; BY COOPER LIGHTING EATON HALO COMMERCIAL- PD6-30-D010-PDM6A-835-BIV-C
 - ⊙ EXT D PLANTER LIGHT LED LAMP FIXTURE BY COOPER LIGHTING LUMIERE, CAMBRIA 203-6LED5741-12-CS/MS
 - ⊕ EXT E EXTERIOR POLE MOUNTED FIXTURE WITH 1-HEAD; BY DECO LIGHTING DB24-LED-30/28W-50-UNV-LP-T5-PM-SL
 - ⊕ EXT F EXTERIOR POLE FOR FIXTURE WITH 1-HEAD; BY DECO LIGHTING DP45-5-12-DM1-SLV
 - ⊕ DUAL CHARGING STATION

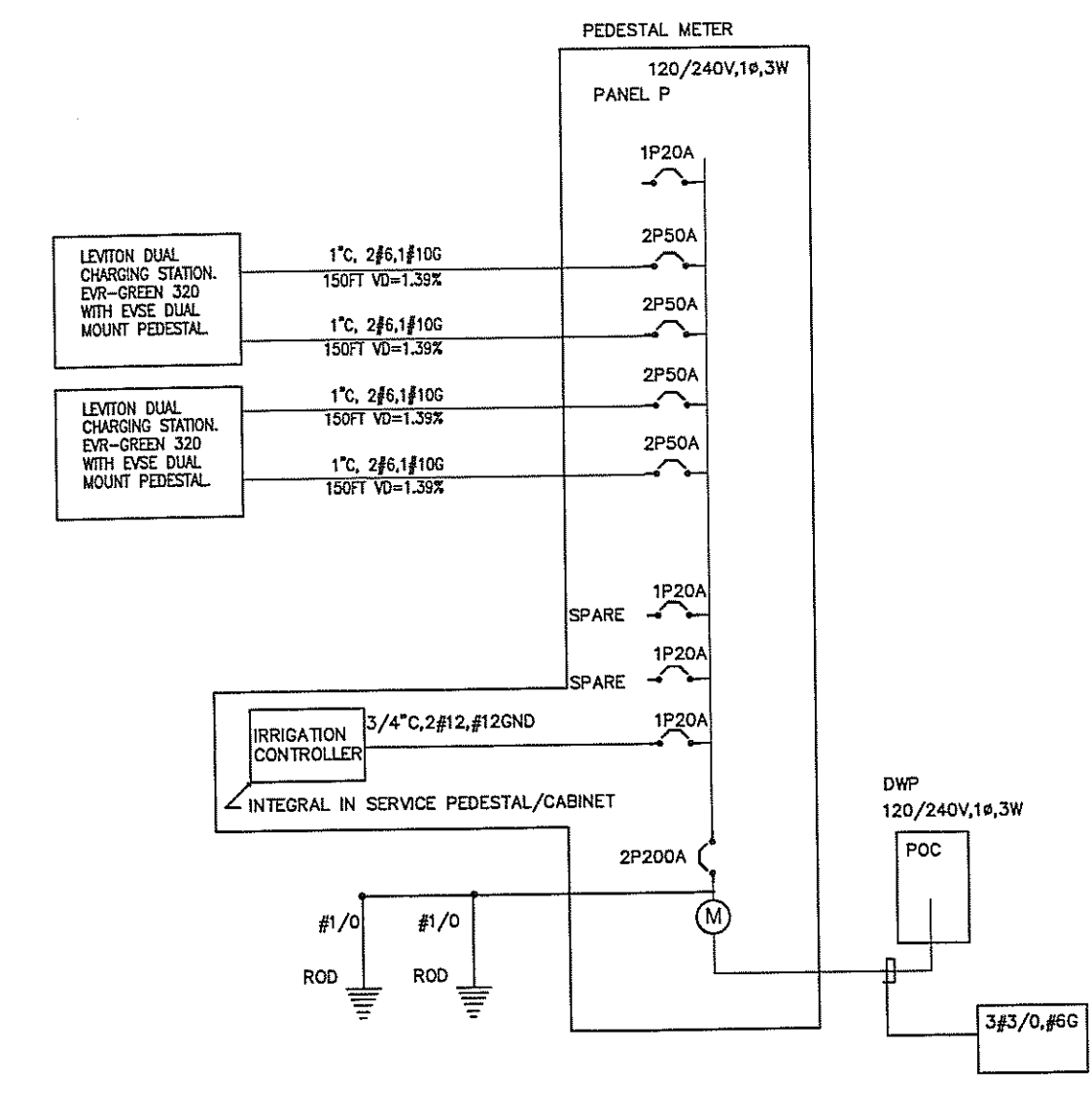
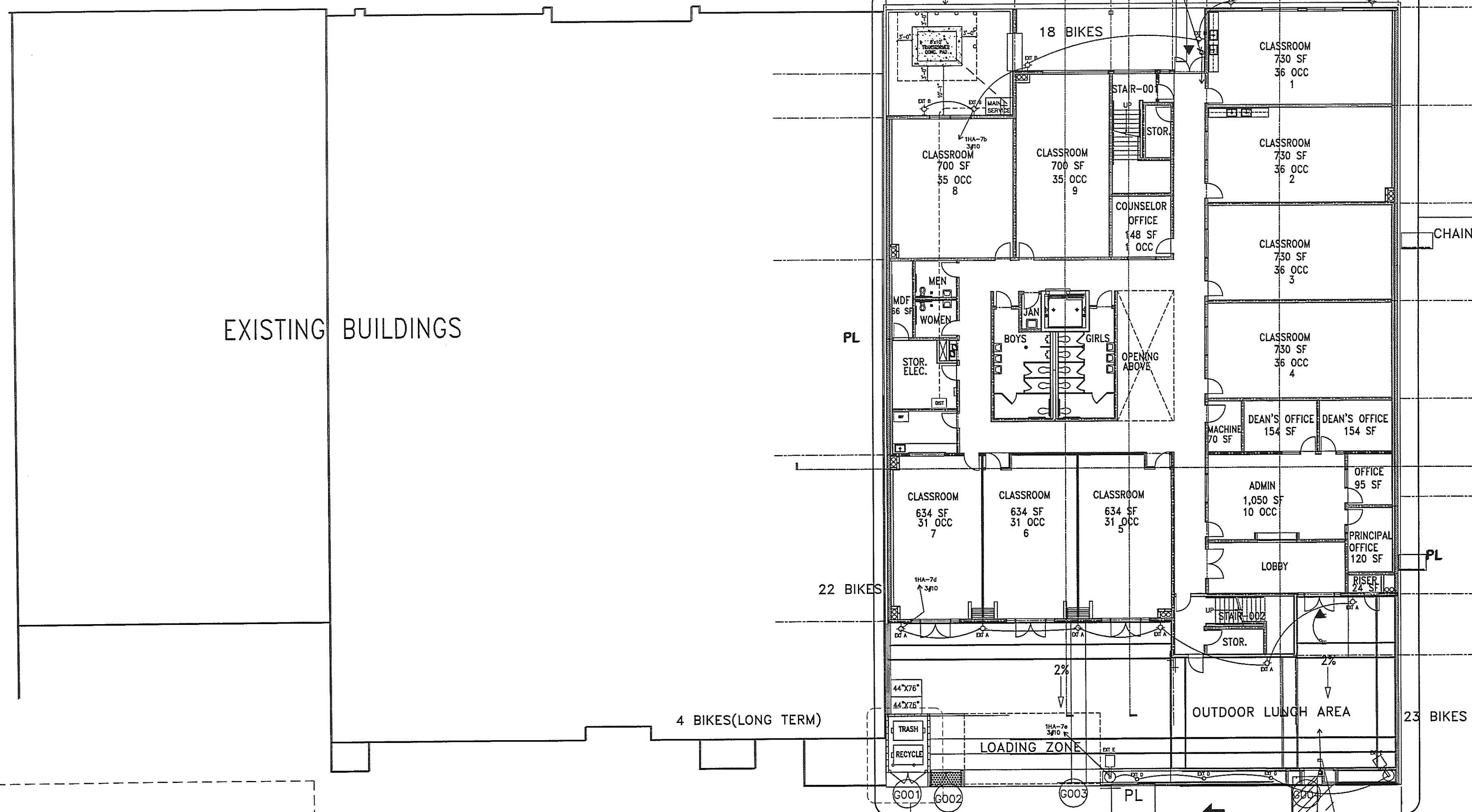
FRANCO ARCHITECTS INC.
 12345 Ventura Blvd. H
 Studio City, CA 91604
 Tel 818 754-2030
 Fax 818 754-2032
 Architecture and Planning

MAGNOLIA SCIENCE ACADEMY
 18220 SHERMAN WAY, RESEDA, CA 91335

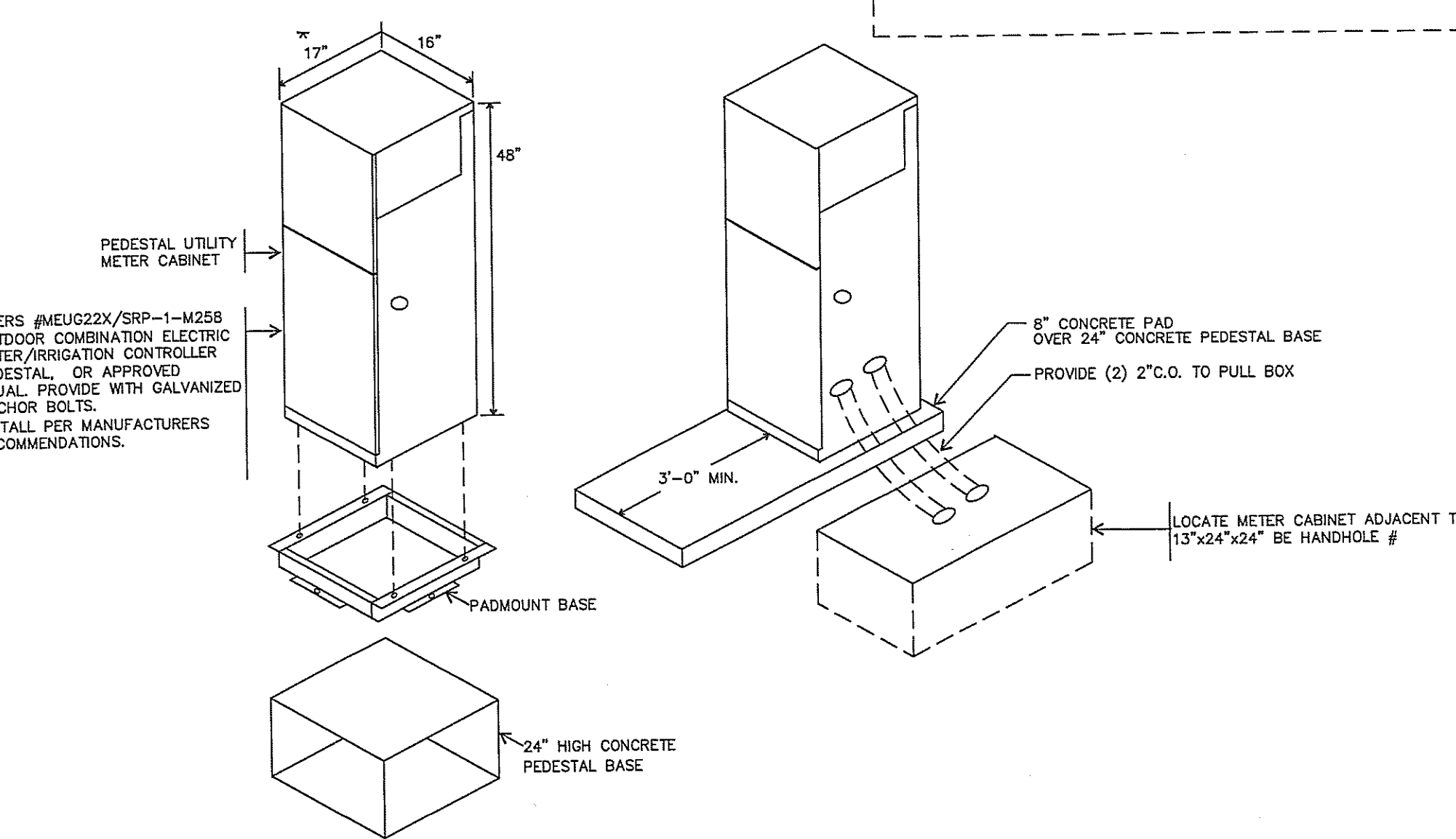
REV	DESCRIPTION	DATE

PROJECT: MAGNOLIA SCIENCE ACADEMY
 PROJECT ADDRESS: 18220 SHERMAN WAY, RESEDA, CA 91335
 DRAWING TITLE: ENLARGED SITE PLAN
 DRAWN BY: JMM
 DATE: 2/17/2017
 CHECKED BY: JMM
 DATE: AS NOTED
 APPROVED BY: [Signature]
 DRAWING NUMBER: E2.1

CURB & GUTTER PARKING STALLS SIDEWALK



SINGLE LINE DIAGRAM



METER CABINET - PEDESTAL MOUNTED

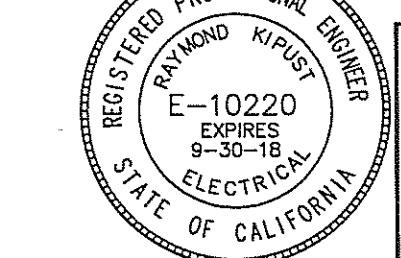
PANEL	LOCATION	PARKING LOT	VOLTS: 120/240V, 1ϕ, 3W	MAIN: 200A MCB	SOURCE							
REMARKS	WATTAGE	LTC	REC.	MIS.	BKR.	BKR.	CIR.	MIS.	REC.	LTC	WATTAGE	REMARKS
CHARGING STATION #92	3840	3840	-	1	1	50	20	2			100	IRRIGATION CONTROLLER
CHARGING STATION #93	3840	3840	-	3	2							
CHARGING STATION #94	3840	3840	-	1	5	50						
CHARGING STATION #95	3840	3840	-	7	2							
			-	1	9	50						
			-	1	13	50						
			-	15	2							
				17								
				19								
				21								
				23								
	15360	15360									100	
											15360	15360
											15360	15360
DESIGN:	CONN: 30,720VA		130A									

PARKING CHARGING STATIONS - DETAILS

SEE DETAILS THIS SHEET FOR AUTO CHARGING STATIONS

SCALE 1"=16'-0"

READY TO ISSUE
 BY JIMMY MEJIA (D)
 FEB 07 2018



KE KIPUST ENGINEERING, INC.
 CONSULTING ELECTRICAL ENGINEERS
 18931 MILLON ST, SHERMAN OAKS, CA 91401
 (818) 780-5354 FAX (818) 780-7038



CONSTRUCTION CO.

10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM

PCI032

TITLE: Bulletin 4 & 5 Adds **DATE:** 05/06/2019

PROJECT: Magnolia Science Academy **PROJECT NO.:** 18049

TO:**Magnolia Educational and Research Foundation**

250 E. 1st St., 1500

Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment as required per changes issued on Bulletin 4 & 5 and additional RFI's/Sketches including: RFI #50, 52, #78, #147.

- _Roofing Consultant: Additional Meetings & Additional Review due to changes in sketches/bulletin 4&5. \$1,000
- _OCCO Concrete (COR#5): Added concrete curb 1/A3.1 and change in curb design at drains A6.9 bulletin 4&5. \$3,557
- _Flashing changes (COR#5R1): dormer vents A6.8/2, added corrugated panels A6.9/3 installed by others, added trims for panels.\$8,035
- _Roofing (COR#6) adhering underlayment beneath the coping cap at the PE deck (300') \$2,507
- _Credit: Flashing(COR 3) deduct coping (24 GA) at CMU top due to RFI 052 (\$1,427)
- _Plumbing (COR #6) delta 3 addeddeck drain at RR #302, drain piping above room #214, #211. \$5,011
- _Electrical (COR #9) Add 5 wall mounted fixtures at south end of bldg, credit for trenching & wiring for omitted light poles (but light poles & heads are already onsite= no credit)per RFI #78. \$8,805
- _Fire Extinguisher model change from base bid during submittal. \$321
- _Credit: Doors & Frames Credit for concealed overhead stops at openings of room #124, #221 per RFI #147. (\$102)

This PCI excludes any items not specifically identified above including additional move-ins, engineering, testing and permits. It excludes any schedule associated impacts, general conditions, future changes caused by City review or inspections.

Vendor	Description	Amount
Architectural Testing, Inc.	Roofing Consultant: Additional Meetings & Additional Review	1,000.00
Armstrong & Aceves Company, Inc.	Roofing: COR 6 Underlayment @ PE Deck	2,507.00
Armstrong & Aceves Company, Inc.	Flashing & Sheet Metal: COR 3 Deduct 34GA Coping at CMU Wall	-1,427.00
Armstrong & Aceves Company, Inc.	Flashing& Sheet Metal: COR 5R1 Vents & Fasteners	8,035.00
GLOBAL SPECIALTIES DIRECT INC	Fire Extinguishers and Cabinets	321.00
Oltmans Concrete	Concrete: COR #005	3,557.00
P.V. & C. PLUMBING	Plumbing: COR 6 Added deck Drains	5,011.00
STAR HARDWARE, INC.	Metal Doors and Frames: RFI #147 Concealed OH Stop	-104.00
Safeway Bldg. Systems Inc. dba Safeway Electric	Electrical: COR 9 - RFI #78	8,805.00
	SUBTOTAL:	27,705.00
	Bond	227.00
	Gross Tax	36.00
	GL	269.00
	SDI	347.00
	Fee	1,417.00
	SUBTOTAL:	2,296.00
	TOTAL COST FOR THIS CHANGE ORDER REQUEST:	30,001.00



CONSTRUCTION CO.

10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM

PCI032

APPROVAL:
Oltmans Construction Co.

BY: Trevor Lawton
DATE:

APPROVAL:
Magnolia Educational and Research

BY:
DATE:

Franco Architects Inc.



Change Bulletin No.4 and No. 5

PROJECT: Magnolia Science Academy

DATE: January 15, 2019

ACTION TO BE TAKEN:

1. Proceed. This bulletin is intended to be a clarification or interpretation of the contract documents only. Failure to notify the Owner to the contrary in writing within ten days to the date hereof or before starting of the work, whichever comes first, shall constitute acceptance of this bulletin as involving no changes in the contract sum or contract time.
2. Submit estimate only broken down by item. You are not authorized to proceed with the work described herein. Estimates shall be submitted within 10 calendar days.
3. Proceed. Work shall be done on:
 - Time and materials basis, price not to exceed _____.
 - Unit price (per contract)
 - Other

WORK DESCRIPTION:

The drawings have been revised to incorporate the following changes:

Bulletin

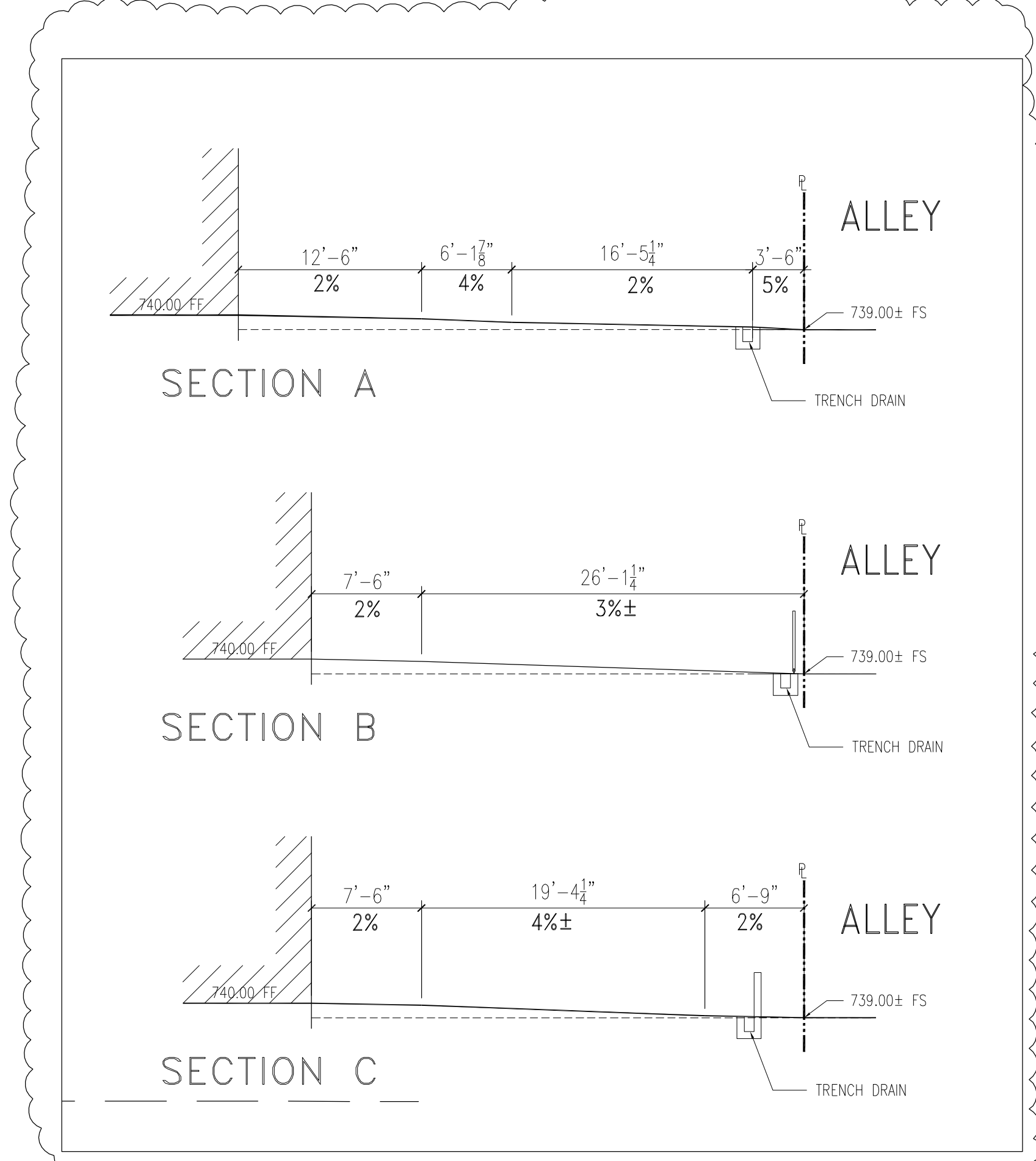
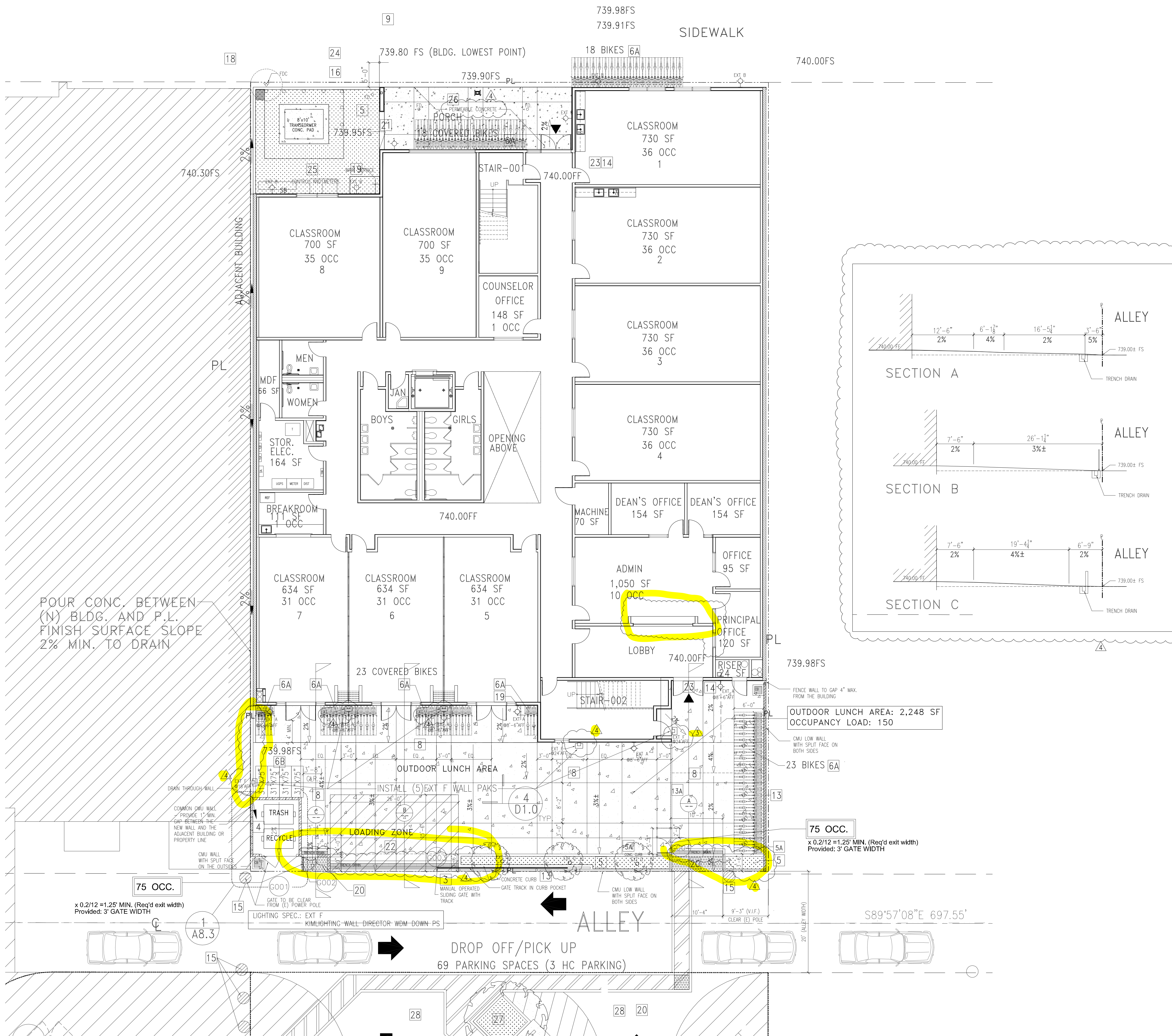
ITEM NO.	Delta No. ↓	DESCRIPTION	DET./SHEET NUMBER
1	2	Delta 1R is Bulletin 2	Coordination Bulletin 2
2	3	Delta 2 is Bulletin 3	Stand Pipe RTI
3	4	Site Plan Revision Incorporate SK-001R Incorporate SK-023 Incorporate SK-024	A0.5A
4	4	1 st Floor Plan Revision Incorporate SK-015 Incorporate SK-015R	A1.1

5	4 & 5	Roof Deck Revision Parapet Bracing Final SK-035 SK-027 Superseded SK-033 Superseded	A3.1
6	4	Stair 2 Revision Plan Coordination Incorporate SK-021	A4.0
7	4	Plan Coordination Decorative metal frame Incorporate SK-013	A4.1
8	4	Tilt Up Wall Detail Incorporate SK-004 Incorporate SSK-003	A5.1
9	4	Stair 2 Ground Floor Incorporate SK-003RR Incorporate SK-028.2	A6.0
10	4	Low Wall Detail Incorporate SK-034	A6.2
11	4	Parapet Detail Incorporate SK-033	A6.8
12	5	Roof Deck Details	A6.9
13	4	Miscellaneous Structural Details Incorporate SSK-005	S9.0
14	4	Miscellaneous Structural Details	S9.1

SHERMAN WAY

CURB & GUTTER

PARKING STALLS



SITE KEY NOTES

- 1 HC STRIPING, SEE SHEET A0.2 FIG. 11B-502.2, "NO PARKING" SIGN PAINTED IN 12" MIN. PER 11B-812.7.3
- 2 CONCRETE WHEEL STOP TYP. SEE DETAIL 101.0
- 3 NEW 8'-0" HT. 26'-0" WIDE W.L. SLIDING GATE, SEE DOOR SCHEDULE
- 4 TRASH/RECYCLING ENCLOSURE W/ 6' HT CMU WALL, SEE A8.3
- 5 LANDSCAPE AREA. SEE LANDSCAPE PLANS
- 5A 6" HT. CONC. CURB AT PLANTER
- 6A PROVIDED 82 - SHORT TERM BIKE PARKING SPEC. PER CITY OF LOS ANGELES (SEE A0.6) (41 COVERED)
STANDARD PLAN NO. S-671-0
EACH BICYCLE PARKING SPACE SHOULD BE MIN. 6' IN LENGTH
SEE SPEC. ON SHEET A0.6
FINISH: GALVANIZED
- 6B PROVIDED 4 - LONG-TERM BICYCLE PARKING SPACES (SEE A.6)
LOCKABLE, PERMANENTLY ANCHORED BIKE LOCKER FOR 2 BIKES
SPECS: MADRAX OR EQUAL
MODEL: MLN-2 BIKE LOCKER
COLOR: T.B.D.
- 7 DESIGNATED PARKING FOR ANY COMBINATION OF LOW-EMITTING, FUEL-EFFICIENT & CARPOOL/VAN POOL VEHICLES. PAINT "CLEAN AIR/VANPOOL/EV" WORDS ON GROUND AS SHOWN ON PLAN. THE LOWER EDGE OF THE LAST WORD ALIGNS WITH THE END OF THE STALL STRIPING AND IS VISIBLE BENEATH A PARKED VEHICLE. PAINT COLOR TO MATCH STALL STRIPING.
PROVIDE 6 PARKING SPACES FOR ANY COMBINATION OF LOW-EMITTING, FUEL-EFFICIENT, AND CARPOOL/VAN POOL VEHICLES, PER TABLE 5.106.5.2
- 7A SURFACE MARKING "EV CHARGING ONLY". COMPLY WITH CBC 11B-812.9
- 7B EV IDENTIFICATION SIGNS, SIGN IDENTIFYING VAN ACCESSIBLE EV SPACE SHALL CONTAIN THE WORDS "VAN ACCESSIBLE" PER 11B-812.8
- 8 SCORED UNCOLORED CONCRETE PAVING WITH NON-SKID FINISH, SEE DETAIL 4/D1.0 CONCRETE MATERIAL WITH INITIAL SOLAR REFLECTANCE OF AT LEAST 0.30
- 9 REPAIR ALL BROKEN, OFF-GRADE OR BAD ORDER CONCRETE CURB, GUTTER AND EXISTING SIDEWALK ALONG THE PROPERTY FRONTAGE.
- 10 DOUBLE STRIPING OF STALLS SHALL BE PER FIG.7 OF THE CITY OF LA BLDG. DEPT. STANDARDS
- 11 3' H. BOLLARD WITH POWER OUTLETS FOR ELECTRICAL CHARGING STATIONS
TWO DEDICATED 208/240V 40 AMP, GROUNDED AC OUTLETS SHALL BE PROVIDED. SEE ELECTRICAL PLAN. A SEPARATE ELEC. PLAN CHECK IS REQUIRED TO VERIFY THE RACEWAY METHODS, WIRING SCHEMATICS AND ELECTRICAL CALCULATIONS FOR THE ELECTRICAL CHARGING SYSTEM. THE ELECTRICAL SYSTEM SHALL HAVE SUFFICIENT CAPACITY TO SIMULTANEOUSLY CHARGE ALL ELECTRIC VEHICLES AT THEIR FULL RATED AMPERAGE.
THE SERVICE PANEL OR SUBPANELS SHALL HAVE SUFFICIENT CAPACITY TO ACCOMMODATE THE REQUIRED NUMBER OF DEDICATED 40 AMPERE MIN. BRANCH CIRCUITS FOR THE FUTURE INSTALLATION OF THE EVS (5.106.5.3). PROVIDE 4 EV SPACES, PER TABLE 5.106.5.3
- 12 PAINT LETTERS "VISITOR" ON GROUND.
- 13 5' WROUGHT IRON FENCE ON TOP OF THE 3' MASONRY WALL W/PERFORATED PANEL, NO MORE THAN 50% OF THE FACE IS OPEN, SEE 9/A8.3
- 13A 8' WROUGHT IRON FENCE W/PERFORATED PANEL, NO MORE THAN 50% OF THE FACE IS OPEN
- 14 PROVIDE DOOR BUZZER AND COMMUNICATION DEVICE WITH CONDUIT TO MAIN ENTRANCE
- 15 EXISTING POWER POLE. V.I.F.
- 16 NEW PAD TRANSFORMER, SEE ELECTRICAL PLANS
- 17 CONC. CURB, SEE DETAIL 2/D1.0
- 18 FDC
- 19 INSTALL A HOSE BIB AT THIS LOCATION. REFER TO PLUMBING ENGINEERING PLANS FOR FURTHER INFO.
- 20 3'-0" MIN. WIDE BAND OF DETECTABLE WARNING, W/TRUNCATED DOMES, DETAIL SEE 1/A0.2.5 OVER CONCRETE PAVING
- 21 LOW STUCCO WALL, SEE DETAIL 2/A6.5
- 22 400 SF LOADING SPACE, 26'-0" X 15'-6"
- 23 ENTRANCE
- 24 STANDARD 31" H STEEL BOLLARD INSTALLED 60" O.C.
MFG: RELIANCE FOUNDRY CO. LTD.
MODEL: R7835. INSTALLED BY ANCHOR CASTING
COLOR: PAINT YELLOW
- 25 SWITCH BOARD, SEE ELECTRICAL PLAN
- 26 PERMEABLE CONCRETE, SEE CIVIL PLAN
- 27 TREE WELL WITH 6" CONC. CURB AROUND, SEE LANDSCAPE PLAN

RE: RFI-071

- INCLUDES:
- PERMEABLE CONCRETE AT NORTH PORCH
 - REMOVE 2 LIGHT POLE AND MOUNT SITE FLOOD LIGHTS ON THE BUILDING ELEVATIONS.
 - ADD SITE SLOPE AT THE OUTDOOR AREA SOUTH OF THE BUILDING - SHOWN IN 3 SECTIONS.
 - REMOVE THE WEST FENCE.
 - SHOW TRENCH DRAIN PER CIVIL DESIGN.
 - USE MANUAL SLIDING GATE AT THE ALLEY.

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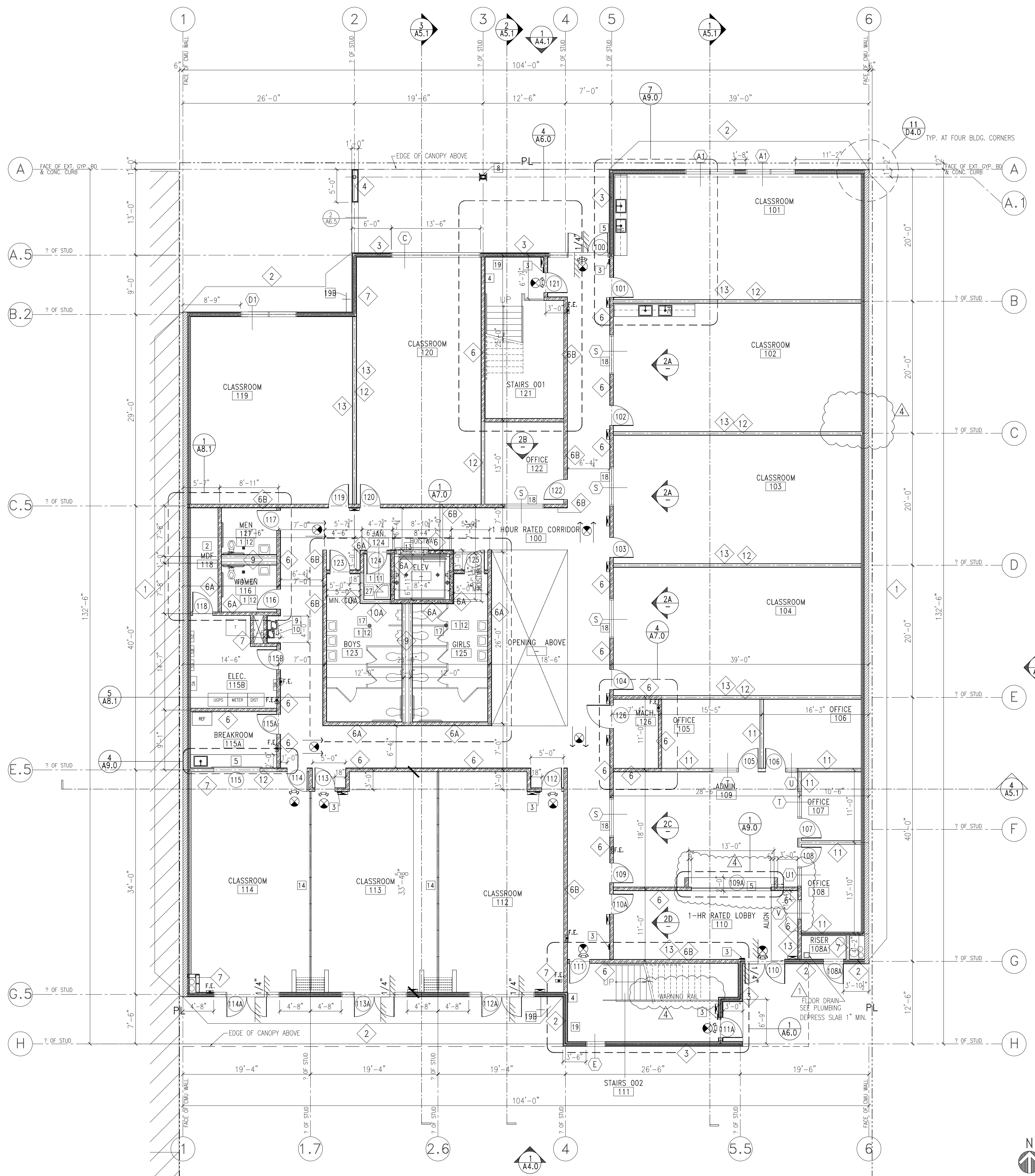
MAGNOLIA SCIENCE ACADEMY
18220 SHERMAN WAY, RESEDA, CA 91335

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	FD PLAN CHECK	6/31/2017
3	FD PLAN CHECK	7/14/2017
4	SUMMARY OF REVISIONS	9/10/2019



PROJECT: MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS: 18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE: ENLARGED SITE CONSTRUCTION PLAN
DRAWN BY: [Name]
DATE: 01/10/2019
JOB NUMBER: [Number]
DRAWING SCALE: AS NOTED
PREPARED BY: [Name]
DRAWING NUMBER: A0.5A

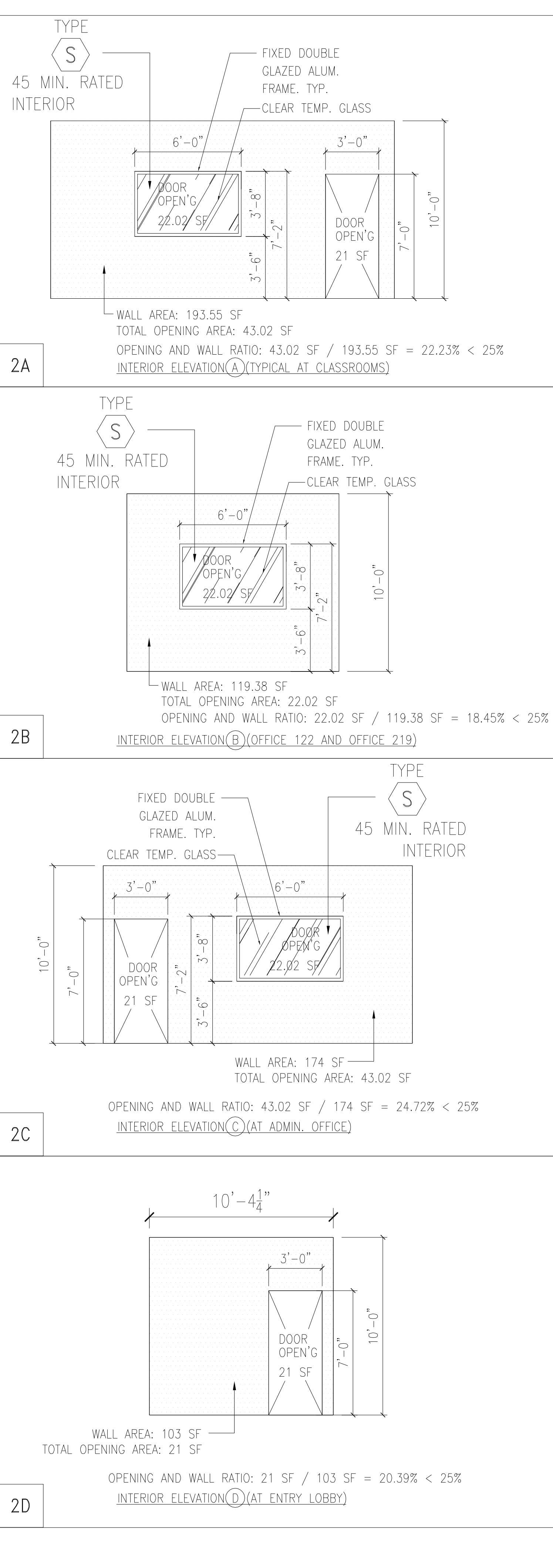
A0.5A



1 FIRST FLOOR CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

- THIS BUILDING MUST BE EQUIPPED WITH AN AUTOMATIC FIRE EXTINGUISHING SYSTEM, IN THE LOCATIONS DESCRIBED IN SEC. 903.2.1 THROUGH 903.2.12 (903.2)
- FIRE SPRINKLERS SHALL BE PROVIDED WITH METAL ESCUTCHEONS THROUGH OUT.
- SMOKE/FIRE DAMPERS SHALL BE INSTALLED IN CORRIDORS, FIRE BARRIERS AND FIRE PARTITIONS. SEE MECHANICAL PLANS FOR LOCATION OF SMOKE/FIRE DAMPERS.
- PENETRATIONS OF FIRE RESISTANCE-RATED ASSEMBLIES SHALL COMPLY WITH SECTION 713.4 THROUGH PENETRATIONS SHALL COMPLY WITH SECTION 713.4.1.1.1 OR 713.4.1.1.2, OR AS NOTED BELOW:
 - STEEL, FERROUS OR COPPER CONDUITS MAY PENETRATE A SINGLE FIRE-RESISTANT-RATED FLOOR ASSEMBLY WHEN THE ANNULAR SPACE IS PROTECTED WITH MATERIAL THAT MEETS ASTM E 119 OR UL 263.
 - PENETRATIONS SHALL BE FIRE-STOPPED BY A SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 149. THE SYSTEM SHALL HAVE AN F RATING AND T RATING OF NOT LESS THAN 1-HR, BUT NOT LESS THAN THE REQUIRED RATING OF THE FLOOR PENETRATED.
 - MEMBRANE PENETRATIONS BY LISTED ELECTRICAL OUTLET BOXES ARE PERMITTED PROVIDED SUCH BOXES HAVE BEEN TESTED FOR USE IN FIRE-RESISTANT-RATED ASSEMBLIES, AND THE SPACE BETWEEN THE WALL MEMBRANE AND THE BOX DOES NOT EXCEED 1/8-IN. UNLESS LISTED OTHERWISE.
- PENETRATIONS IN FIRE-RESISTANCE-RATED WALLS SHALL COMPLY WITH SECTION 713.5, THROUGH PENETRATIONS SHALL COMPLY WITH SECTION 713.5.1.1 OR 713.5.1.2, OR AS NOTED BELOW:
 - STEEL, FERROUS OR COPPER PIPES MAY PENETRATE FIRE-RESISTANCE-RATED WALLS, PROVIDED THE OPENING IS PROTECTED AS FOLLOWS:
 - IF TEM PERMEATING CONCRETE OR MASONRY WALLS IS A MAXIMUM 6-IN NOMINAL DIAMETER AND THE AREA OF THE OPENING THROUGH THE WALL DOES NOT EXCEED 144SQ. IN., CONCRETE, GROUT OR MORTAR IS PERMITTED WHERE IT IS INSTALLED THE FULL THICKNESS OF THE WALL OR THE THICKNESS REQUIRED TO MAINTAIN THE FIRE-RESISTANCE-RATING; OR
 - IF THE ANNULAR SPACE IS PROTECTED WITH MATERIAL THAT MEETS ASTM E 119 OR UL 263.
 - MEMBRANE PENETRATIONS SHALL BE FIRE-STOPPED BY A SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 149. AND SHALL HAVE AN F RATING OF NOTE LESS THAN THE REQUIRED FIRE-RESISTANCE-RATING OF THE WALL PENETRATED.
 - MEMBRANE PENETRATIONS OF MAXIMUM TWO-HOUR FIRE-RESISTANCE-RATED WALLS BY STEEL ELECTRICAL BOXES ARE PERMITTED, PROVIDED THAT EACH DOES NOT EXCEED 144SQ. IN. IN AREA AND THE TOTAL AREA OF SUCH OPENINGS DOES NOT EXCEED 100 SQ. IN. FOR ANY 100 SQ. FT. OF WALL AREA, AND THE SPACE BETWEEN THE WALL MEMBRANE AND THE BOX DOES NOT EXCEED 1/8-IN. ADDITIONALLY, OUTLET BOXES ON OPPOSITE SIDES OF THE WALL SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24-IN.
 - MEMBRANE PENETRATIONS BY LISTED ELECTRICAL BOXES OF ANY MATERIAL ARE PERMITTED PROVIDED SUCH BOXES HAVE BEEN TESTED FOR USE IN FIRE-RESISTANCE-RATED ASSEMBLIES, AND THE SPACE BETWEEN THE WALL MEMBRANE AND THE BOX DOES NOT EXCEED 1/8-IN. UNLESS LISTED OTHERWISE, ADDITIONALLY, OUTLET BOXES ON OPPOSITE SIDES OF THE WALL SHALL BE SEPARATED BY THE HORIZONTAL DISTANCE SPECIFIED IN LISTING OF THE BOXES.
- EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN OR EXIT ACCESS DOORWAY. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER OR AUTHORIZED AGENT.
- THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER PILES, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC) OR TO THE LOCATION OF THE HOOR-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES—WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.
- AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWNSTREAM SIDE OF THE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING (PER ORDINANCE 170.155) (INCLUDES COMMERCIAL ADDITIONS AND T WORK OVER \$10,000.) SEPARATE PLUMBING PERMIT IS REQUIRED.
- PROVIDE ULTRA-LOW FLUSH WATER CLOSETS FOR ALL NEW CONSTRUCTION. EXISTING SHOWER HEADS AND TOILETS MUST BE ADAPTED FOR LOW WATER CONSUMPTION.
- FIRE BLOCKING MUST BE PROVIDED IN ACCORDANCE W/SEC. 718.2 AT THE FOLLOWING LOCATIONS:
 - IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT THE CEILING AND FLOOR LEVELS.
 - IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT 10 FOOT INTERVALS ALONG THE LENGTH OF THE WALL.
 - AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILING AND COVE CEILING.
 - IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN AND BETWEEN STUDS ALONG AND IN LINE WITH THE RUN OF STAIRS IF THE WALL UNDER THE STAIRS IS UNFINISHED.
 - IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SIMILAR OPENINGS WHICH AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS, WITH NONCOMBUSTIBLE MATERIALS.
- NOTE:
 - ALL STUD WALL, INTERIOR SIDE ONLY, SHALL BE PLANNED OR SHIMMED AS REQUIRED PRIOR TO DRYWALL INSTALLATION TO ASSURE A LEVEL SURFACE WITHOUT DIPS AND BOWS. DRYWALL SUBCONTRACTOR SHALL INSPECT AND APPROVE FRAMED PARTITIONS PRIOR TO INSTALLING DRYWALL WITH THE UNDERSTANDING THAT A LEVEL 5 FINISH IS REQUIRED. ALL DIPS AND BOWS OCCURRING AFTER DRYWALL IS INSTALLED, WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.
 - MAXIMUM CROSS SLOPE FOR WALKWAYS, HC DROP OFF AND RAMPS NOT EXCEED MORE THAN 2%.

BUILDING DEPARTMENT NOTES 5



2 INTERIOR ELEVATIONS
SCALE: 1/4" = 1'-0"

- PROVIDE APPROVED PANIC HARDWARE ON REQUIRED EXIT DOORS. TITLE 24, SECTION 1008.1.1.10.
- THE INSPECTION, HYDROSTATIC TEST AND FLUSHING OF THE UNDERGROUND FIRE PROTECTION PIPING SHALL BE WITNESSED BY AN AUTHORIZED FIRE DEPARTMENT REPRESENTATIVE. NO UNDERGROUND PIPING OR THRUST BLOCKS SHALL BE COVERED BY EARTH OR HIDDEN FROM VIEW UNTIL THE FIRE DEPARTMENT REPRESENTATIVE HAS BEEN NOTIFIED AND GIVEN NOT LESS THAN 48 HOURS IN WHICH TO INSPECT SUCH INSTALLATIONS. FIRE CODE 901.5, COUNTY OF LOS ANGELES FIRE DEPARTMENT REGULATION 7.
- ELEVATORS, ESCALATORS AND MOVING WALKS SHALL COMPLY WITH THE REQUIREMENTS SET FORTH IN BUILDING CODE CHAPTER 30.
- WALLS AND SOFFITS WITHIN ENCLOSED USABLE SPACES UNDER ENCLOSED AND UNENCLOSED STAIRWAYS SHALL BE PROTECTED BY 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION OF THE FIRE-RESISTANCE RATING OF THE STAIRWAY ENCLOSURE, WHICHEVER IS GREATER. BUILDING CODE 1009.6.3.
- PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED IN LOCATIONS AS REQUIRED BY FIRE CODE 906 AND FIRE DEPT FIELD INSPECTOR.
- PROVIDE PORTABLE FIRE EXTINGUISHER W/A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75' TO ALL PORTION OF THE BUILDING ON EACH FLOOR, ALSO DURING CONSTRUCTION (LASC 57.140)
- PROVIDE PORTABLE FIRE EXTINGUISHER W/A RATING NOT LESS THAN 10BC FOR KITCHEN, ELEC, MECHANICAL ROOM.
- PROVIDE PORTABLE FIRE EXTINGUISHER W/A RATING NOT LESS THAN 2-B, LOCATED NOT LESS THAN 10', NOR MORE THAN 30' FROM ANY FLAMMABLE LIQUID STORAGE AREA OUTSIDE OF A HAZARDOUS MATERIAL ROOM, OR ADJACENT TO "SPRAY" BOOTH.
- PROVIDE AN APPROVED FIRE ALARM SYSTEM PER TITLE 24, FIRE CODE 907.2.3, 907.2.23 AND PROVIDE OCCUPANT NOTIFICATION IN ACCORDANCE W/SEC. 907.5
- THIS BUILDING MUST BE EQUIPPED W/AUTOMATIC FIRE EXTINGUISHING SYSTEM, COMPLYING W/NFPA-13/NFPA-15R THE SPRINKLER SYSTEM SHALL BE APPROVED BY PLUMBING DIV. PRIOR TO INSTALLATION. 12.21A17(D) (903.2)
- THE FIRE SPRINKLER SYSTEM SHALL BE CALCULATED PER PAMPHLET #13.
- A MANUAL FIRE ALARM SYSTEM SHALL BE INSTALLED IN GROUP A OCCUPANCIES HAVING AN OCCUPANT LOAD OF 300 OR MORE. BUILDING CODE 907.2.1. SUBMIT PLANS TO THE FIRE ALARM PLAN CHECK UNIT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. FIRE CODE 907.2.1.
- MEANS OF EGRESS ILLUMINATION SHALL BE PROVIDED PER SEC. 1008, IN ADDITION TO OTHER CODE REQUIREMENT.
- EXTERIOR ENTRIES AND/OR OPENINGS SUBJECT TO FOOT TRAFFIC OR WIND-DRIVEN RAIN TO PREVENT WATER INTRUSION IN BUILDINGS. (CAL GREEN 5.407.2.2)
- COMPOSITE WOOD PRODUCTS (HARDWOOD PLYWOOD, PARTICLE BOARD, AND MDF COMPOSITE WOOD) INSTALLED ON THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET OR EXCEED THE STANDARDS OUTLINED IN TABLE 5.504.4.5. (CAL GREEN 5.504.4.5)
- THIS BUILDING IS EQUIPPED WITH WATER-CONSERVING FIXTURES MEETING THE CRITERIA ESTABLISHED IN SECTION CAL GREEN 5.503.2 OR 5.503.3. SEE PLUMBING PLANS FOR MORE INFORMATION.
- PROVIDE DOCUMENTATION TO JUSTIFY THAT MATERIALS USED HAVE A POST-CONSUMER OR PRE-CONSUMER RECYCLED CONTENT VALUE (RCV) OF AT LEAST 10% OF THE TOTAL VALUE, BASED ON ESTIMATED COST OF MATERIALS ON THE PROJECT. (AS.405.4)
- PROVIDE THERMAL INSULATION THAT COMPLIES WITH THE VOC EMISSION LIMITS DEFINED IN THE CHPS LOW-EMITTING MATERIALS LIST. (AS.504.4.8)
- THE USE AND INSTALLATION OF WATER SOFTENERS THAT DISCHARGE TO THE COMMUNITY SEWER SYSTEM SHALL BE LIMITED OR PROHIBITED BY LOCAL AGENCIES IF CERTAIN CONDITIONS ARE MET. (CA GREEN AS.503.3.5)
- COMPARED TO OTHER PRODUCTS IN A GIVEN PRODUCT CATEGORY, SELECT BUILDING MATERIALS OR PRODUCTS PERMANENT INSTALLATION ON THE PROJECT THAT HAVE BEEN HARVESTED OR MANUFACTURED IN CALIFORNIA OR WITHIN 500 MILES OF THE PROJECT SITE.
 - FOR THOSE MATERIALS LOCALLY MANUFACTURED, SELECT MATERIALS MANUFACTURED USING LOW EMBODIED ENERGY OR THOSE THAT WILL RESULT IN NET ENERGY SAVINGS OVER THEIR USEFUL LIFE.
 - REGIONAL MATERIALS SHALL MAKE UP AT LEAST 10 PERCENT, BASED ON COST, OF TOTAL MATERIALS VALUE.
 - IF REGIONAL MATERIAL MAKE UP ONLY PART OF A PRODUCT, THEIR VALUES ARE CALCULATED AS PERCENTAGES BASED ON WEIGHT.
 - PROVIDE DOCUMENTATION OF THE ORIGIN, NET PROJECTED ENERGY SAVINGS AND VALUE OF REGIONAL MATERIALS. (CA GREEN AS.405.1)
- OBTAIN APPROVAL FROM THE MECHANICAL SECTION FOR COMPLIANCE WITH SECTION 5.503 - INDOOR WATER USE.
- GET AN INDOOR WATER AND FLOOR-CEILING ASSEMBLY SEPARATING ADJACENT TENANT SPACES AND TENANT AND PUBLIC PLACES SHALL HAVE AN STC OF AT LEAST 40. (5.507.4.3)
- PROVIDE APPROVAL FROM MECHANICAL SECTION FOR A 30% REDUCTION IN INDOOR POTABLE WATER USAGE. (AS.503.2.3.1)

FIRE DEPARTMENT NOTES 4

CA GREEN CODE NOTES 3

SYMBOLS LEGEND

	FINISH FLOOR ELEVATION CHANGE
	SEMI-RECESSED FIRE EXTINGUISHERS SEE SPECIFICATIONS AND DETAIL 7/05.0
	DOOR NUMBER DOOR KEY SEE DOOR SCHEDULE A10.0
	WINDOW KEY SEE WINDOW SCHEDULE A10.1 WINDOW TYPE

WALL LEGEND

EXTERIOR WALLS 2 HOUR FIRE RATED
PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3

- FURRING WALLS CMU WALL-5/8" TYPE 'X' GYP ONE SIDE, EXTERIOR PLASTER TROWEL APPLIED. SEE DETAIL 1/02.0 AND STRUCT'L DETAIL
- 2-HR EXTERIOR STUCCO WALL WITH R-19 INSULATION, EXTERIOR PLYWOOD, FIBERGLASS MAT GYP SHEATHING, EXTERIOR PLASTER TROWEL APPLIED, STRUCTURAL PLYWOOD, 2-LAYER GYP. BD INTERIOR SIDE; SEE DETAIL 1/02.0 AND STRUCT'L DETAIL. PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3
- 2-HR EXTERIOR STUCCO WALL WITH R-19 INSULATION, EXTERIOR PLYWOOD, FIBERGLASS MAT GYP SHEATHING, EXTERIOR PLASTER TROWEL APPLIED, 2-LAYER GYP. BD INTERIOR SIDE; SEE DETAIL 1/02.0 AND STRUCT'L DETAIL. PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3
- SAME AS 3 EXCEPT WITH CERAMIC TILE INTERIOR SIDE. SEE DETAIL 1/02.0
- 2-HR EXTERIOR STUCCO WALL @ NORTH CANOPY, SEE DETAIL 3/02.0
- PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3

INTERIOR WALLS 1 HOUR FIRE RATED PARTITIONS
WALLS IN CORRIDORS ARE FIRE BARRIER/ ATRIUM SEPARATION WALLS

- 1-HR FIRE-RATED BARRIER/DEMISING SHEAR WALL
- WITH PLYWOOD ONE (CORRIDOR) SIDE. SEE DETAIL 8/02.0 AND SEE STRUCT'L
- 1-HR FIRE-RATED BARRIER AT CORRIDOR WITH STRUCT. PLYWOOD AND 5/8" TYPE 'X' GYP. BD. ONE SIDE (CORRIDOR) AND 5/8" WATER RESISTANT GYP. BD. ON RESTROOM/JANITOR SIDE, SEE DETAIL 8A/02.0
- 1-HR FIRE-RATED BARRIER/DEMISING SHEAR WALL WITH PLYWOOD BOTH SIDES. SEE DETAIL 8B/02.0 AND SEE STRUCT'L
- 1-HR FIRE-RATED SHAF WALL WITH PLYWOOD AND SEE DETAIL 9/02.0 AND STRUCTURAL

INTERIOR WALLS NON-RATED PARTITIONS

- WOOD STUD DOUBLE PLUMBING WALL 5/8" TYPE X WATER RESISTANT GREEN GYP BD. EXPOSED SIDE, WITH SOUND INSULATION, SEE DETAIL 11/02.0
- STUD WALL AT WET AREA WITH 5/8" WATER RESISTANT GYP. BD. ON EXPOSED SIDE ONLY. SEE DET. 1/03.0
- STUD WALL AT WET AREA WITH 5/8" WATER RESISTANT GYP. BD. BOTH SIDES. SEE DETAIL 1A/02.0
- WOOD STUD WALL FULL HEIGHT AND SOUND INSULATION WITH 5/8" WATER RESISTANT BOARD BOTH SIDES WITH SOUND INSULATION. SEE DETAIL 10/02.0
- DEMISING SHEAR WALL, NON-RATED WITH PLYWOOD ON ONE OR BOTH SIDES. SEE STRUCT'L AND 11/02.0
- 12" LONG 6X6 BLOCKING REQUIRED AT TV TRACKING- HEIGHT TBD.

CONSTRUCTION PLAN NOTES

- PROVIDE PRESSURE TREATED FLOOR SILL PLATE ON ALL BATHROOM WALLS, JANITOR'S CLOSET WALLS AND EXTERIOR PERIMETER WALLS ON GROUND FLOOR.
- PROVIDE 3/4" FIRE TREATED PLYWOOD ON ALL WALLS IN MDF ROOM.
- 1011.4 RANDED CHARACTER AND BRAILLE EXIT SIGNS. TACTILE EXIT SIGNS SHALL BE REQUIRED AT THE FOLLOWING LOCATIONS:
 - EACH GRADE-LEVEL EXTERIOR EXIT DOOR THAT IS REQUIRED TO COMPLY WITH SECTION 1011.1, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD, "EXIT"
 - EACH EXIT DOOR THAT IS REQUIRED TO COMPLY WITH SECTION 1011.1, AND THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE:
 - "EXIT STAIR DOWN"
 - "EXIT RAMP DOWN"
 - "EXIT STAIR UP"
 - "EXIT RAMP UP"
 - EACH EXIT DOOR THAT IS REQUIRED TO COMPLY WITH SECTION 1011.1, AND THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR AN EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE."
 - EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO COMPLY WITH SECTION 1011.1, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE."
 - EACH EXIT DOOR THROUGH A HORIZONTAL EXIT THAT IS REQUIRED TO COMPLY WITH SECTION 1011.1, SHALL BE IDENTIFIED BY A SIGN WITH THE WORDS, "TO EXIT" RAISED CHARACTER AND BRAILLE EXIT SIGNS SHALL COMPLY WITH SECTION 1117B.5.1 ITEM 1 SECTIONS 11B-703.2, 11B-703.3 AND 11B-703.5.
- PROVIDE TACTILE STAIR LEVEL IDENTIFICATION SIGN THAT COMPLIES WITH 1022.9, AT EACH FLOOR LEVEL LANDING.
- PROVIDE FIRE RATED MOTORIZED ROLL-UP DOOR W/ FUSIBLE LINK. SEE DOOR SCHEDULE.
- ROOF DRAINS. FOR ROOF DRAINS/OVERFLOW DRAINS EXITING THE BUILDING, SEE DETAIL #5/05.0.
- PROPOSED LOCATION FOR FIRE SPRINKLER RISER/VALVE. PROVIDE ACCESS PANEL AS REQUIRED.
- STEEL COLUMN SEE 1/A6.5
- HYDRO-STATION DRINKING FOUNTAIN, SEE PLUMBING PLAN FOR ADDITIONAL INFORMATION
- DRINKING FOUNTAIN ALLOWCE, ALLOWCE CEILING HEIGHT @ 7'-0" AFF. SEE DTL 5/A8.0. INSTALL CERAMIC TILES 4'-0" A.F.F. AT ALL WALLS OF ALLOWCE.
- PROVIDE WATER RESISTANT GYP ON JAN. CLOSET SIDE.
- ALL RESTROOM FLOOR TO HAVE A 1/8" SLOPE TO FLOOR DRAIN. SEE PLUMBING ENG. DWGS. FOR FLOOR DRAIN LOCATIONS.
- INSTALL SMOKE GUARD. SEE DETAIL 9/05.0.
- FOLDING WALL: HUPCOR ELECTRIC CONTINUOUSLY-HINGED PANEL. SEE D7.0
- PROVIDE DOOR BUZZER AND COMMUNICATION DEVICE WITH CONDUIT TO MAIN GATE ENTRANCE
- SHAFT TO HAVE A 1-HR FIRE RATING. INSTALL (2) LAYERS OF 5/8" TYPE 'X' GYP. BD. TO EXPOSED SIDE OF FRAMING. INSTALL TYPE 'X' WATER RESISTANT GYP. BD. AT RESTROOM/JANITOR CLOSET SIDE. PROVIDE FIRE-RATED DAMPERS WHERE DUCTS PENETRATE THE FIRE-RATED WALLS. USE 1" TYPE S DRYWALL SCREWS 8" O.C. TO VERTICAL EDGES. SEE CA FILE NO. WP 1200.
- PROVIDE FLOOR DRAIN. SEE PLUMBING PLAN. TILED FLOOR 1% SLOPE TO DRAIN
- 45 MIN. GLAZING/DOOR, NOT EXCEED 25% OF THE COMMON WALL (716.6.7.2)
- SEE 2/- FOR INTERIOR ELEVATIONS.
- INSTALL CLASS 1 STANDPIPE
- CANOPY
- INSTALL A HOSE BIB AT THIS LOCATION. REFER TO PLUMBING ENGINEERING PLANS FOR FURTHER INFO.
- SEE A.3.1
- WATER HEATER SHELVE TO BE MOUNTED 6'-8" MIN. A.F.F. OVER JANITOR'S FLOOR SINK FOR REQUIRED MIN. HEAD CLEARANCE.

LEGEND AND NOTES 2

SEE A2.1 FOR GENERAL NOTES

CHANGES:
 ENTRY INTERIOR WINDOWS
 STAIR-002 REPLACE WALL WITH RAIL
 REMOVE SHAFT AT LINE G & C

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2019
2	TD PLAN CHECK	6/21/2019
3	TD PLAN CHECK	7/14/2019
4	REMOVE TDC	12/02/2019
5	REVISIONS	01/19/2020
6	SUMMARY OF CHANGES	

MAGNOLIA SCIENCE ACADEMY
 18220 SHERMAN WAY, RESEDA, CA 91335
 C27010
 01/10/2019
 AS NOTED

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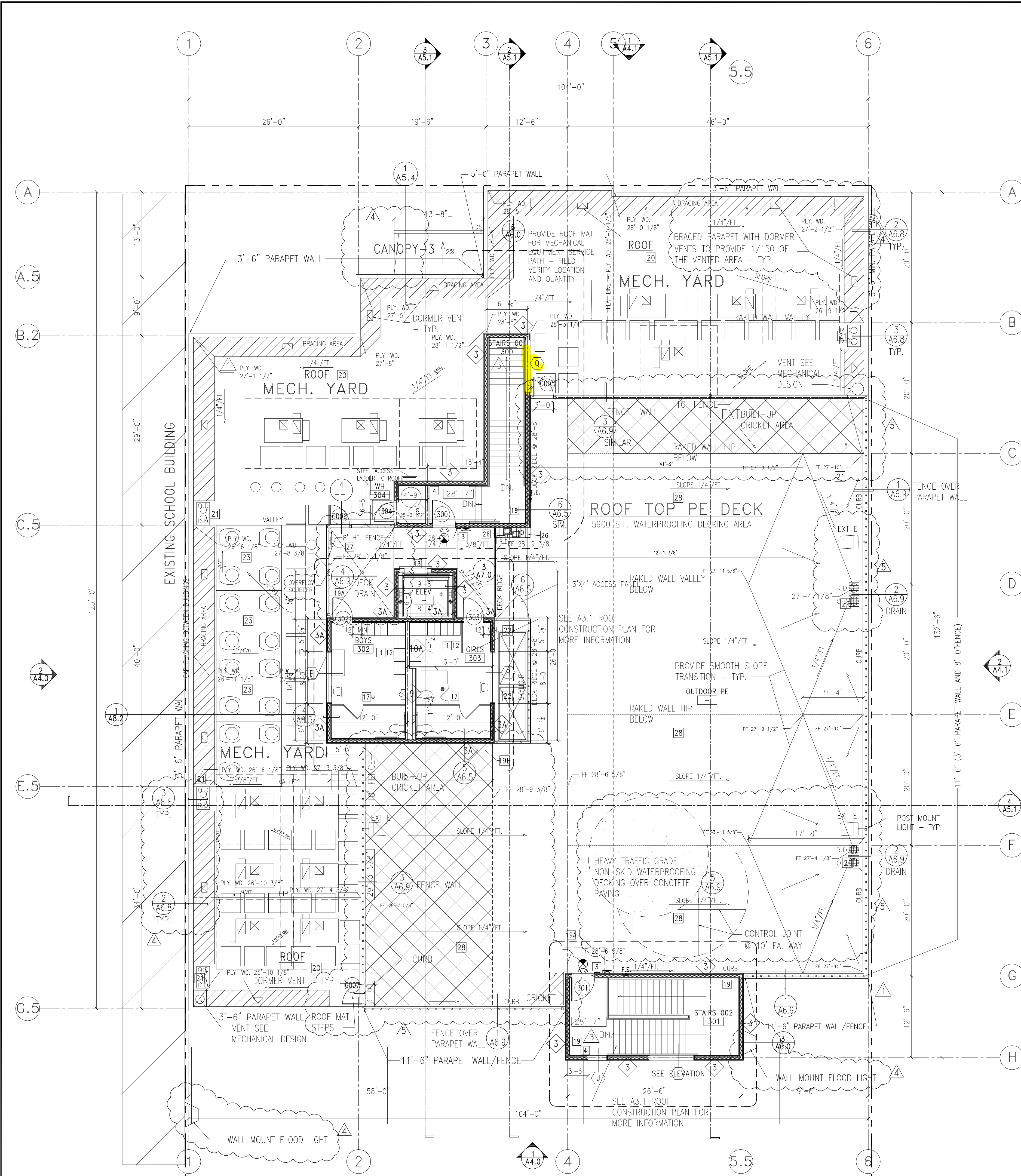
LEGISLATED ARCHITECT
 C27010
 01/10/2019
 AS NOTED

MAGNOLIA SCIENCE ACADEMY
 18220 SHERMAN WAY, RESEDA, CALIF 91335

FIRST FLOOR CONSTRUCTION PLAN

DATE: 01/10/2019
 JOB NUMBER: C27010
 DRAWING SCALE: AS NOTED

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]



ROOF CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

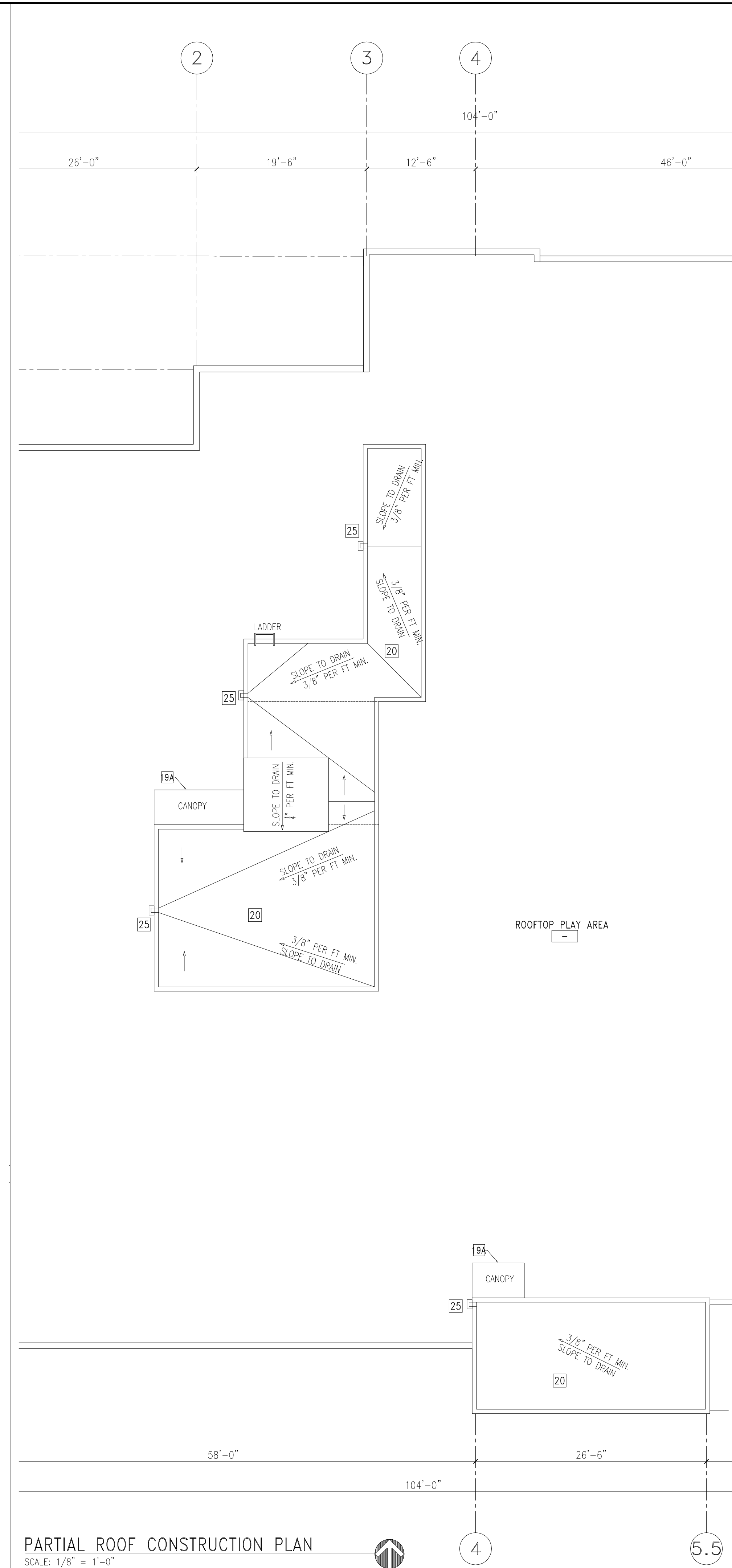
GENERAL NOTES AND CONSTRUCTION PLAN NOTES-SEE A1.1
GENERAL CONSTRUCTION NOTES:
1. SEE SEPARATE DISCIPLINE DRAWINGS FOR STRUCTURAL, ELECTRICAL, MECHANICAL, PLUMBING AND LANDSCAPING.
2. FIRE SPRINKLERS AND FIRE LIFE SAFETY TO BE DESIGN BUILD AND COVERED UNDER SEPARATE PERMIT.
3. NEW SPRINKLER SYSTEM TO BE APPROVED BY FIRE DEPARTMENT PRIOR TO INSTALLATION.
4. EVERY OPENING IN EVERY EXTERIOR WALL OR ROOF SURFACE SHALL BE FLASHED WITH SHEET METAL OR APPROVED BUILDING PAPER.
5. OPENINGS INTO FLOORS, OR OTHER ENCLOSED AREAS SHALL NOT EXCEED 144 SQ. INCH AND SHALL BE COVERED WITH CORROSION RESISTANT WIRE MESH WITH MESH OPENINGS OF 1/4" INCH.
6. SEE PLUMBING PLAN FOR CONNECTION FROM ROOF DRAINS AND OVERFLOW DRAINS TO STORMDRAIN SYSTEM.
D.S. = DOWNSPOUTS
R.D. = ROOF DRAIN
O.D. = OVERFLOW DRAIN
RA = ROOF ACCESS
7. SEE PLUMBING PLAN FOR CONNECTION FROM ROOF DRAINS AND OVERFLOW DRAINS TO STORMDRAIN.
8. ALL MECH. EQUIPMENT LOCATED ON THE ROOF HAS A MIN. 3'-0" PERIMETER ACCESS AS REQUIRED BY THE LAMC. (1513). SEE PLAN ABOVE.

BUILDING DEPARTMENT NOTES:
1. IN BUILDINGS USED FOR OTHER THAN RESIDENTIAL OCCUPANCIES, DRAFT STOPS MUST BE INSTALLED IN WOOD FRAME FLOOR CONSTRUCTION CONTAINING CONCEALED SPACE. SUCH DRAFT STOPS MUST BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED (1000) SQUARE FEET (718.3.3).
2. IN BUILDINGS USED FOR OTHER THAN RESIDENTIAL OCCUPANCIES, DRAFT STOPS MUST BE INSTALLED IN THE ATTIC (MANSARDS) (OVERHANGS) (FALSE FRONTS SET OUT FROM WALLS) (SIMILAR CONCEALED SPACES) FORMED BY COMBUSTIBLE CONSTRUCTION. SUCH DRAFT STOPS MUST BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED (3000) SQUARE FEET (718.4.3).
3. DRAFT-STOPPING MATERIALS MUST NOT BE LESS THAN 3/8-INCH GYPSUM BOARD, 3/8-INCH PLYWOOD, 3/8-INCH TYPE 2-M PARTICLE BOARD OR OTHER MATERIALS APPROVED BY THE BUILDING DEPARTMENT. DRAFT-STOPPING MUST BE ADEQUATELY SUPPORTED. (718.3.1)
4. FIRE BLOCKING MUST BE PROVIDED IN ACCORDANCE WITH SECTION 718.2 AT THE FOLLOWING LOCATIONS:
a. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT THE CEILING AND FLOOR LEVELS.
b. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT 10-FOOT INTERVALS ALONG THE LENGTH OF THE WALL.
c. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS.
d. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN AND BETWEEN STUDS ALONG AND IN LINE WITH THE RUN OF STAIRS IF THE WALL UNDER THE STAIRS IS UNFINISHED.
e. IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SIMILAR OPENINGS WHICH AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS, WITH NONCOMBUSTIBLE MATERIALS.

CA GREEN CODE NOTES
1. PRIOR TO PERMIT BEING FINALED, A COMPLETE REPORT OF THE TESTING AND ADJUSTING SHALL BE PROVIDED TO THE OWNER OR OWNER'S REPRESENTATIVE AND FORM 5.410 - TESTING AND ADJUSTING SHALL BE COMPLETED AND PROVIDED TO THE INSPECTOR. (CAL GREEN 5.410.4).
2. PRIOR TO PERMIT BEING FINALED, A COMPLETE REPORT OF THE COMMISSIONING PROCESS SHALL BE PROVIDED TO THE OWNER OR OWNER'S REPRESENTATIVE AND FORM 5.410 - VERIFICATION SHALL BE COMPLETED AND PROVIDED TO THE INSPECTOR. (CAL GREEN 5.410.2)
3. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, PROVIDE RETURN AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8, BASED ON ASHRAE 52.2-1999, OR AN AVERAGE EFFICIENCY OF 30 PERCENT, BASED ON ASHRAE 52.1-1992. REPLACE ALL FILTERS PRIOR TO OCCUPANCY OR AT THE CONCLUSION OF CONSTRUCTION. (CAL GREEN 5.504.1.3)
4. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING, AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL, OR OTHER ACCEPTABLE METHODS TO REDUCE THE AMOUNT OF DUST, WATER, AND DEBRIS WHICH MAY ENTER THE SYSTEM. (CAL GREEN 5.504.3)
5. PROVIDE A COOL ROOF WITH ADEQUATE THERMAL EMITTANCE AND SOLAR REFLECTANCE, OR SRI VALUES IN ACCORDANCE WITH TABLE A5.106.11.2.1. (A5.106.11.2)
6. A COPY OF THE CONSTRUCTION DOCUMENTS OR A COMPARABLE DOCUMENT INDICATING THE INFORMATION FROM ENERGY CODE SECTION 110.10(B) THROUGH 110.10(C) SHALL BE PROVIDED TO THE OCCUPANT. (ENERGY CODE 110.10(D))
7. AUTOMATIC LANDSCAPE IRRIGATORS SHALL BE INSTALLED IN SUCH A WAY THAT IT DOESN'T SPRAY ON THE BUILDING

NEW BUILDING - ROOFING MATERIALS LIST:
CLASS A FIVE PLY FIRE-RATED BUILT-UP ROOF ASSEMBLY:
MANUF.: GAF MATERIALS CORPORATION
DECK: PLYWOOD
BASE SHEET: GAFGLAS #75 BASE SHEET, ASTM D-4601 - (1) LAYER
PLY SHEET: GAFGLAS FLEX-PLY, ASTM D-2178 - (3) PLY
SURFACING: ENERGOPAC BUR, ASTM D-3909 (1) PLY
FLASHING: RUBEROID MOP SMOOTH, ASTM D-6164
ENERGOPAC BUR, ASTM D-3909 (1) PLY
GUARANTEE: DIAMOND PLEDGE ND L - 20 YEARS UNLIMITED
WALKWAYS: WALKWAY PADS: MINERAL-GRANULE-SURFACED, REINFORCED ASPHALTIC COMPOSITION, SUP-RESISTING PADS. PAD SIZE: 4X4.
CAP SHEET STRIPS: ASTM D 6163, TYPE 1 OR II, GLASS-FIBER-REINFORCED, SRS-MODIFIED, ASPHALT-IMPREGNATED AND COATED WALKWAY SHEET; WITH WHITE COARSE MINERAL-GRANULE TOP SURFACING AND FINE MINERAL SURFACING ON THE BOTTOM SURFACE.

RE:
RFI-127, SK-032R
RFI-088, RFI-089, SK-022, SK-027
INCLUDES:
- REDUCE CANOPY-3 TO MATCH WITH ELEVATION
- ADD WALL MOUNTED FLOOD LIGHT
- SHOW PARAPET BRACING AND ADD DORMER VENTS
- ADD CRICKET ON ROOF DECK, CLARIFY SURFACE DRAIN PATTERN AND REPOSITION THE DRAINS
- ADD DECK COATING



PARTIAL ROOF CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES 3

SYMBOLS LEGEND

	FINISH FLOOR ELEVATION CHANGE
	SEMI-RECESSED FIRE EXTINGUISHERS SEE SPECIFICATIONS AND DETAIL
	DOOR NUMBER DOOR KEY SEE DOOR SCHEDULE A10.0
	WINDOW KEY SEE WINDOW SCHEDULE A10.1 WINDOW TYPE
	48" x 96" SKYLIGHT; DUAL WALL, WHITE ACRYLIC DOME SKYLIGHT (LARR #2708)
	A/C UNIT, SEE MECH. PLAN

WALL LEGEND

EXTERIOR WALLS 2 HOUR FIRE RATED
PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3

	1 FURRING WALLS CMU WALL-5/8" TYPE 'X' GYP ONE SIDE, EXTERIOR PLASTER TROWL APPLIED. SEE DETAIL (D2.0) AND STRUCT'L DETAIL
	2 2-HR EXTERIOR STUCCO WALL WITH R-19 INSULATION, EXTERIOR PLYWOOD, FIBERGLASS MAT GYP SHEATHING, EXTERIOR PLASTER TROWEL APPLIED, STRUCTURAL PLYWOOD, 2-LAYER GYP. BD INTERIOR SIDE; SEE DETAIL (D2.0) AND STRUCT'L DETAIL PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3
	3 2-HR EXTERIOR STUCCO WALL WITH R-19 INSULATION, EXTERIOR PLYWOOD, FIBERGLASS MAT GYP SHEATHING, EXTERIOR PLASTER TROWEL APPLIED, 2-LAYER GYP. BD INTERIOR SIDE; SEE DETAIL (D2.0) AND STRUCT'L DETAIL PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3
	3A SAME AS 3 EXCEPT WITH CERAMIC TILE INTERIOR SIDE.
	4 2-HR EXTERIOR STUCCO WALL @ NORTH CANOPY, SEE DETAIL (D2.0) PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3

INTERIOR WALLS 1 HOUR FIRE RATED PARTITIONS

	6 1-HR FIRE-RATED PARTITION/DEMISING SHEAR WALL WITH PLYWOOD ONE (CORRIDOR) SIDE. SEE DETAIL (D2.0) AND SEE STRUCT'L
	6A 1-HR FIRE-RATED PARTITION AT CORRIDOR WITH STRUCT. PLYWOOD AND 5/8" TYPE 'X' GYP. BD. ONE SIDE (CORRIDOR) AND 5/8" WATER RESISTANT GYP. BD. ON RESTROOM/JANITOR SIDE. SEE DETAIL (D2.0)
	6B 1-HR FIRE-RATED PARTITION/DEMISING SHEAR WALL WITH PLYWOOD BOTH SIDES. SEE DETAIL (D2.0) AND SEE STRUCT'L
	7 1-HR FIRE-RATED SHAFT WALL, SEE DETAIL (D2.0) AND STRUCTURAL

INTERIOR WALLS NON-RATED PARTITIONS

	9 WOOD STUD DOUBLE PLUMBING WALL 5/8" TYPE X WATER RESISTANT GREEN GYP BD. EXPOSED SIDE, WITH SOUND INSULATION, SEE DETAIL (D2.0)
	10 STUD WALL AT WET AREA WITH 5/8" WATER RESISTANT GYP. BD. ON EXPOSED SIDE ONLY. SEE DET. (D3.0)
	10A STUD WALL AT WET AREA WOOD STUD WALL FULL HEIGHT AND SOUND INSULATION WITH 5/8" WATER RESISTANT GYP. BD. BOTH SIDES. SEE DETAIL (D3.0)
	11 WOOD STUD WALL FULL HEIGHT WITH 5/8" GYP. BOARD BOTH SIDES WITH SOUND INSULATION.
	12 DEMISING SHEAR WALL, NON-RATED WITH PLYWOOD ON ONE OR BOTH SIDES. SEE STRUCT'L AND (D2.0)

CONSTRUCTION PLAN NOTES

1	1-19A SEE A1.1
19B	19B INSTALL A HOSE BIB AT THIS LOCATION. REFER TO PLUMBING ENGINEERING PLANS FOR FURTHER INFO.
20	20 INSTALL NEW FIRE CLASS 'A', 5-PLY, BUILT-UP ROOF. SUPPLY A 20 YEAR MINIMUM WARRANTY
21	21 ROOF DRAINS/OVERFLOW DRAINS. FOR ROOF DRAINS/OVERFLOW DRAINS EXITING THE BUILDING, SEE DETAIL (D3.0) (D4.0) (D5.0)
22	22 INSTALL NEW 48" x 96" SKYLIGHT AS SHOWN, WHITE ACRYLIC DOME (LARR# 2708) SKYLIGHTS SHALL BE DUAL GLAZED SELF FLASHING MOUNTED LEVEL ON NEW WOOD CURBS. SKYLIGHTS SET AT AN ANGLE OF LESS THAN 45 DEGREES FROM THE HORIZONTAL PLANE SHALL BE MOUNTED AT LEAST 4" ABOVE THE PLANE OF THE ROOF ON A CURB CONSTRUCTED AS REQUIRED FOR THE FRAME. GLASS SKYLIGHTS SHALL COMPLY WITH SEC. 2405. PLASTIC SKYLIGHTS SHALL COMPLY WITH SEC. 2610. SEE 17/01.0
23	23 MECHANICAL PLATFORM-RAISED 12", SLOPE 1/4" PER FT. TO DRAIN, SEE MECHANICAL -TYP.
24	24 3 1/2" MIN. CONC. SLOPE 1% MIN. OVER W.P. SLOPE 2% MIN. O/ROOF DECKING
25	25 SCUPPER DRAIN AND OVERFLOW 5/A6.8
26	26 LOW WALL-ALCOVE WITH MIN. 7'-0" CEILING
27	27 ADD DIRECTION SIGN: "ROOF ACCESS LADDER"
28	28 CONCRETE ROOF DECK, SEE DETAIL 5/A6.9

ROOF CONSTRUCTION NOTES:

1.	ROOF TO BE CONSTRUCTED AS A FIVE PLY CLASS A FIRE-RATED BUILT-UP ROOF ASSEMBLY.
2.	ROOF ASSEMBLY TO BE LISTED BY AN APPROVED TESTING AGENCY.
3.	ROOF TO CARRY NDL UNLIMITED 20 YEAR WARRANTY.
4.	INSTALL BUILT-UP ROOFING MEMBRANE SYSTEM ACCORDING TO ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS AND APPLICABLE RECOMMENDATIONS OF ARMA/NRCA'S "QUALITY CONTROL GUIDELINES FOR THE APPLICATION OF BUILT-UP ROOFING."
5.	INSTALL FOUR PLY SHEETS STARTING AT LOW POINT OF ROOFING SYSTEM. ALIGN PLY SHEETS WITHOUT STRETCHING. SINGLE SIDE LAPS OF PLY SHEETS UNIFORM TO ACHIEVE REQUIRED NUMBER OF PILES THROUGHOUT THICKNESS OF ROOFING MEMBRANE. SINGLE IN DIRECTION TO SHED WATER. EXTEND PLY SHEETS OVER AND TERMINATE BEYOND GUTTS.
6.	GROUP E OCCUPANCIES SHALL BE PROVIDED WITH A FIRE RETARDANT ROOF IN ACCORDANCE WITH BUILDING CODE 1505 AND TABLE 1505.1.
7.	SIZE THE ROOF DRAINS AND OVERFLOW DRAINS ACCORDING TO THE CHAPTER 11 OF THE LAPC (1503.4) SEE PLUMBING PLAN
8.	ROOF DRAIN AND OVERFLOW DRAIN MUST BE INDEPENDENT LINES TO STORM DRAIN SYSTEM. SEE PLUMBING PLAN FOR ROOF DRAIN DIAGRAM
9.	ROOF DRAINAGE IS NOT PERMITTED TO FLOW OVER PUBLIC PROPERTY. REFER TO "ROOF PLAN KEY NOTES" AT LEFT FOR ADDITIONAL INFORMATION.

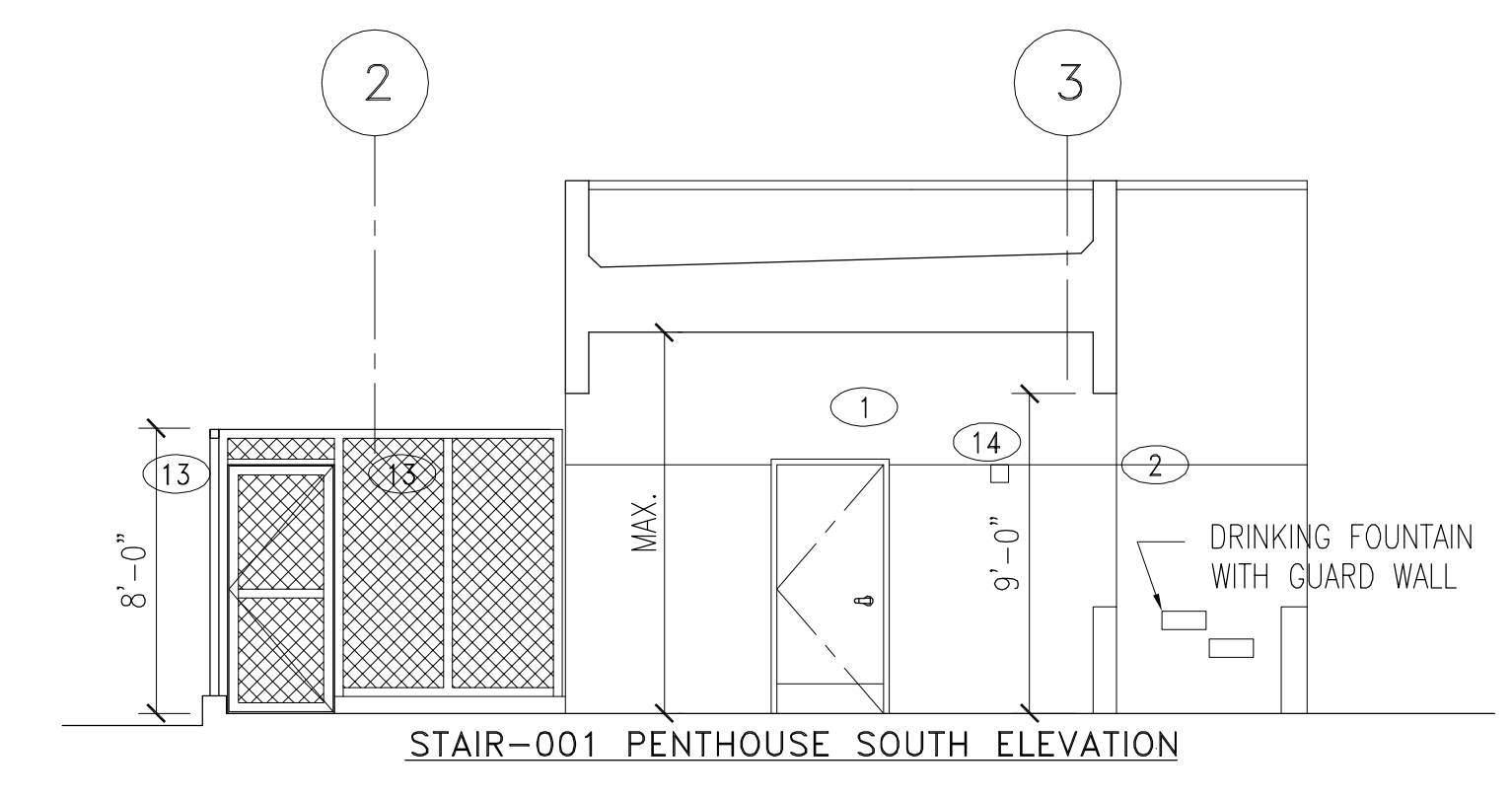
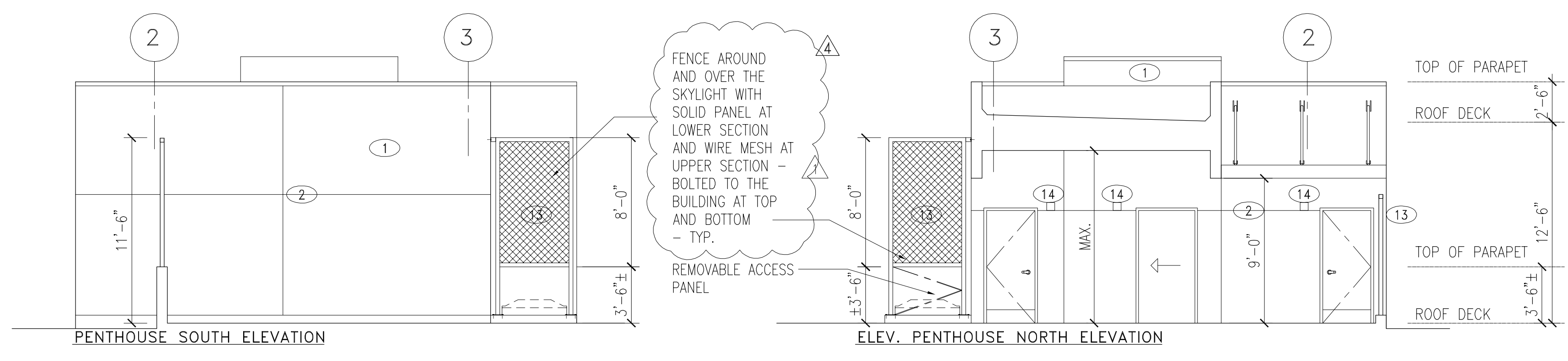
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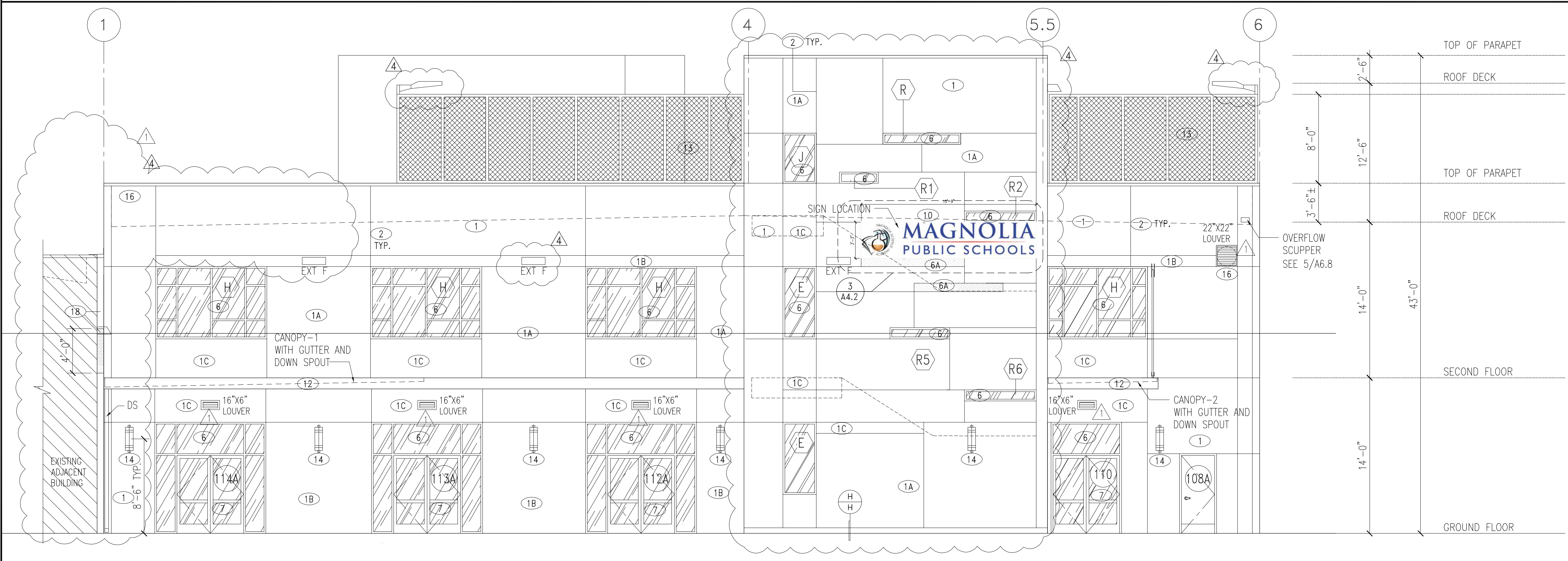
REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	TD PLAN CHECK	6/31/2017
3	TD PLAN CHECK	12/14/2017
4	COORDINATION	06/11/2018
5	REMOVE POC	12/02/2018
6	SUMMARY OF REVISIONS	07/19/2019
7	COORDINATION	07/19/2019
8	REVISION	07/19/2019

MAGNOLIA SCIENCE ACADEMY
PROJECT NUMBER: 18220 SHERMAN WAY, RESEDA, CA 91355
DRAWING TITLE: ROOF CONSTRUCTION PLAN
DRAWN BY: [Name] SIDE DATE: 01/10/2019
JOB NUMBER: [Number] DRAWING SCALE: AS NOTED
CHECKED BY: [Name]

A3.1



- LEGEND:**
- 1 PTD. STUCCO W/ LATH, O/ WEATHER BARRIER 0/5/8" EXT. GYP. BD, O/ EXT. PLYWOOD O/ FIRE RETARDANT TREATED WOOD FRAMING
 - 2 STUCCO WALL - LA HABRA STUCCO FINISH SMOOTH COLOR SPECS. TO FOLLOW CONTRACTOR SHALL SUBMIT 8"x11" FINISH SAMPLE FOR APPROVAL EXTERIOR STUCCO TO BE PAINTED WITH VISTA WEATHER MASTER ELASTOMERIC FINISH PRIOR TO APPLYING FINAL ACRIBOND FLAT PAINT COLOR.
 - 3 20GA WEATHERED SHEET METAL CLADDING (COR-TEN FINISH) OVER 5/8" X 6" GYP. BD O/ STRUCTURAL STEEL COLUMN
 - 4 CUT OUT STEEL PLATE, WEATHERED STEEL (COR-TEN FINISH)
 - 5 PROVIDE ANTI-GRAFFITI FINISH AT THE FIRST 9 FEET, MEASURED FROM GRADE, AT EXTERIOR WALLS AND DOORS. (6306) (PAINTED SURFACE - LARR #25601T, UNFINISHED SURFACE - LARR #25286T)
 - 6 STOREFRONT GLASS WINDOW: 1" LOW-E INSULATED TEMPERED DUAL GLAZED GLASS, 2" X 4 1/2" CLEAR ALUMINUM STOREFRONT FRAME GLASS SPEC. - PPG VISTA COOL(2) AZURIA SOLORBAN 60
 - 6A STOREFRONT SPANDREL GLASS WINDOW: 1" LOW-E INSULATED TEMPERED DUAL GLAZED GLASS, 2" X 4 1/2" CLEAR ANODIZED ALUMINUM FRAME GLASS SPEC. - PPG VISTA COOL(2) AZURIA SOLORBAN 60
 - 7 6'-0" W X 7'-0" HT. PAIR OF STOREFRONT TEMPERED GLASS DOORS CLEAR ANODIZED ALUMINUM FRAME.
 - 8 BUILDING ADDRESS SUBMIT SHOP DRAWINGS FOR ARCHITECTS APPROVAL
 - 9 REINFORCED CMU WALL - PAINTED
 - 10 SCHOOL SIGN AND LOGO. SEE 3&4/A4.2 SUBMIT SHOP DRAWINGS FOR ARCHITECTS APPROVAL
 - 11 TRAPEZOIDAL CORRUGATED STEEL PANEL METALTECH-USA TRAPEZOIDAL CORRUGATE OR EQUAL, FINISH-TBD
 - 12 CANOPY OVERHEAD, SEE STRUCTURAL
 - 13 W.I. FENCE W/ PAINTED PERFORATED METAL PANELS.
 - 14 LIGHT FIXTURE PER SCHEDULE
 - 15 CANTILEVERED CANOPY
 - 16 VENT LOUVER - PAINTED TO MATCH ADJACENT WALL
 - 17 PAINTED G.I. GUTTER AND DOWN SPOUT
 - 18 PAINTED G.I. GAP COVER - PROVIDE 4" PERFORATED G.I. SECTION TO ALLOW 50 SQUARE INCH VENTED AREA WITH INSECT SCREEN



SOUTH ELEVATION

TOTAL SURFACE = **3,286 SF**

SOLID SURFACE = **2,530.75 SF (77%)**

GLAZED SURFACE = **755.25 SF (23%)**

FIRST FLOOR SURFACE = **1,456 SF**

SOLID SURFACE = **1,025.25 SF (70%)**

GLAZED SURFACE = **430.75 SF (30%)**

SECOND FLOOR SURFACE = **1,456 SF**

SOLID SURFACE = **1,156 SF (79.4%)**

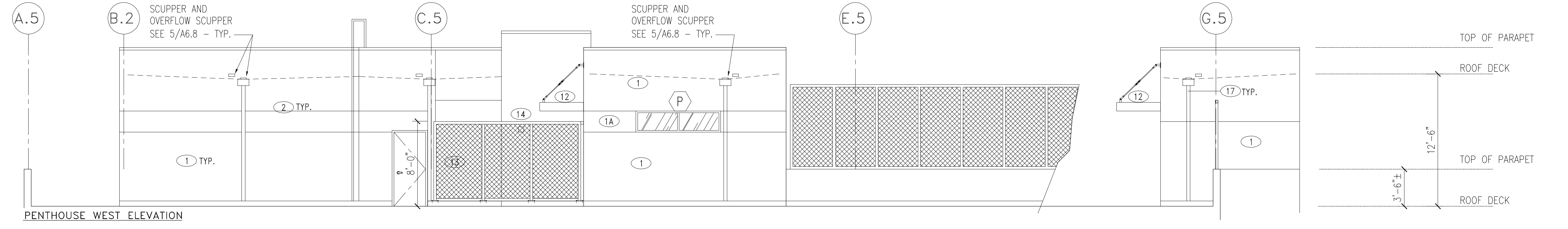
GLAZED SURFACE = **300 SF (20.6%)**

THIRD FLOOR SURFACE = **374 SF**

SOLID SURFACE = **349.5 SF (93%)**

GLAZED SURFACE = **24.5 SF (7%)**

1 SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



WEST ELEVATION

TOTAL SURFACE = **2,912 SF**

SOLID SURFACE = **2,912 SF (100%)**

GLAZED SURFACE = **0 SF (0%)**

FIRST FLOOR SURFACE = **1,456 SF**

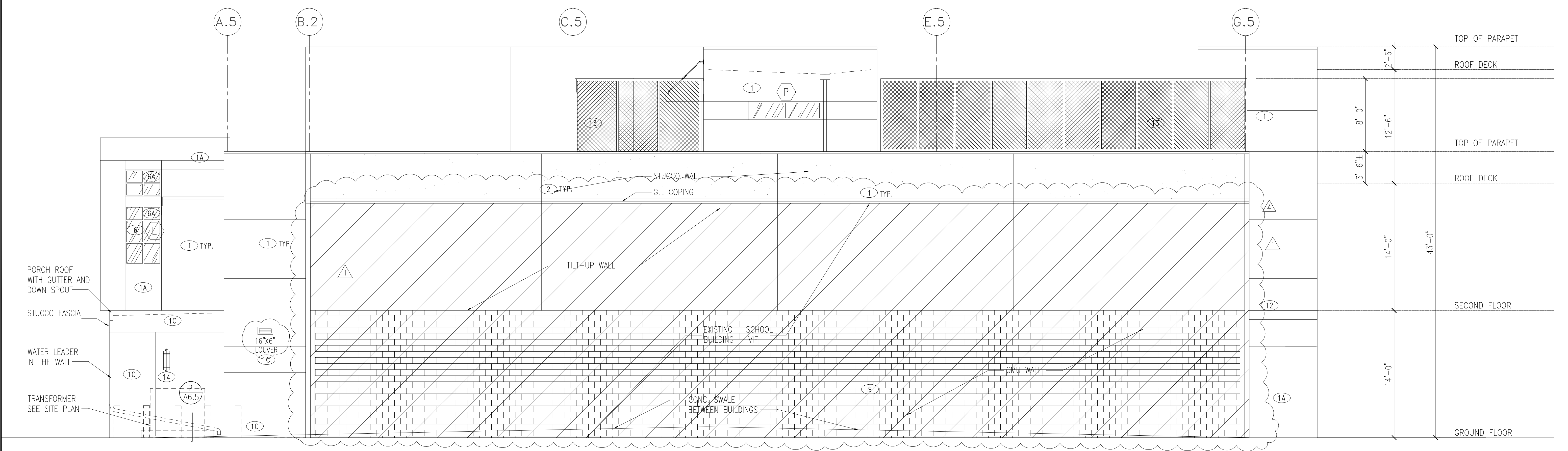
SOLID SURFACE = **1,456 SF (100%)**

GLAZED SURFACE = **0 SF (0%)**

SECOND FLOOR SURFACE = **1,456 SF**

SOLID SURFACE = **1,456 SF (100%)**

GLAZED SURFACE = **0 SF (0%)**



2 WEST ELEVATION
SCALE: 3/16" = 1'-0"

RE: RFI-013.1, RFI-013.2, SK-021

INCLUDES:
 - ADD FENCE OVER SKYLIGHT
 - FLASHING BETWEEN NEW BUILDING AND THE EXISTING BUILDING
 - STAIR-2 SOUTH FACADE IS MODIFIED
 - RELOCATE SCHOOL SIGN
 - WEST ELEVATION FIELD CONDITION UPDATE

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REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	TD PLAN CHECK	6/31/2017
3	TD PLAN CHECK	2/14/2018
4	COOPERATION BULLETIN-1	06/11/2018
5	COOPERATION BULLETIN-2	06/25/2018
6	SUMMARY OF DISTANCE	07/10/2018



PROJECT: MAGNOLIA SCIENCE ACADEMY

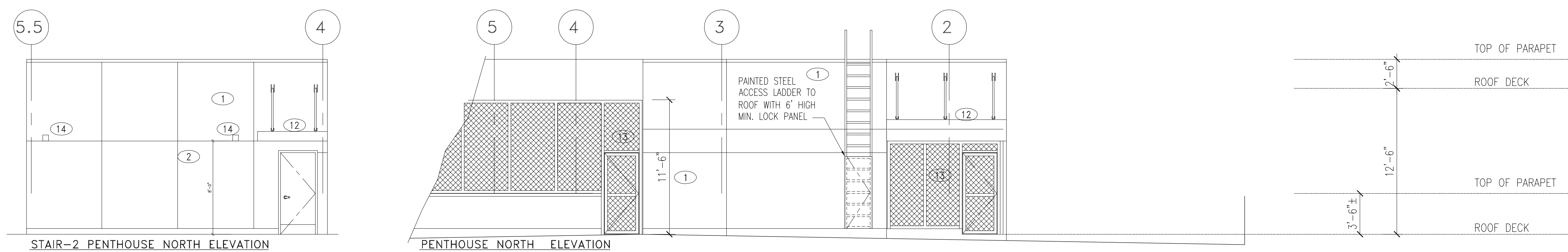
PROJECT ADDRESS: 18220 SHERMAN WAY, RESEDA, CA 91335

DRAWING TITLE: ELEVATIONS

DATE: 01/10/2019

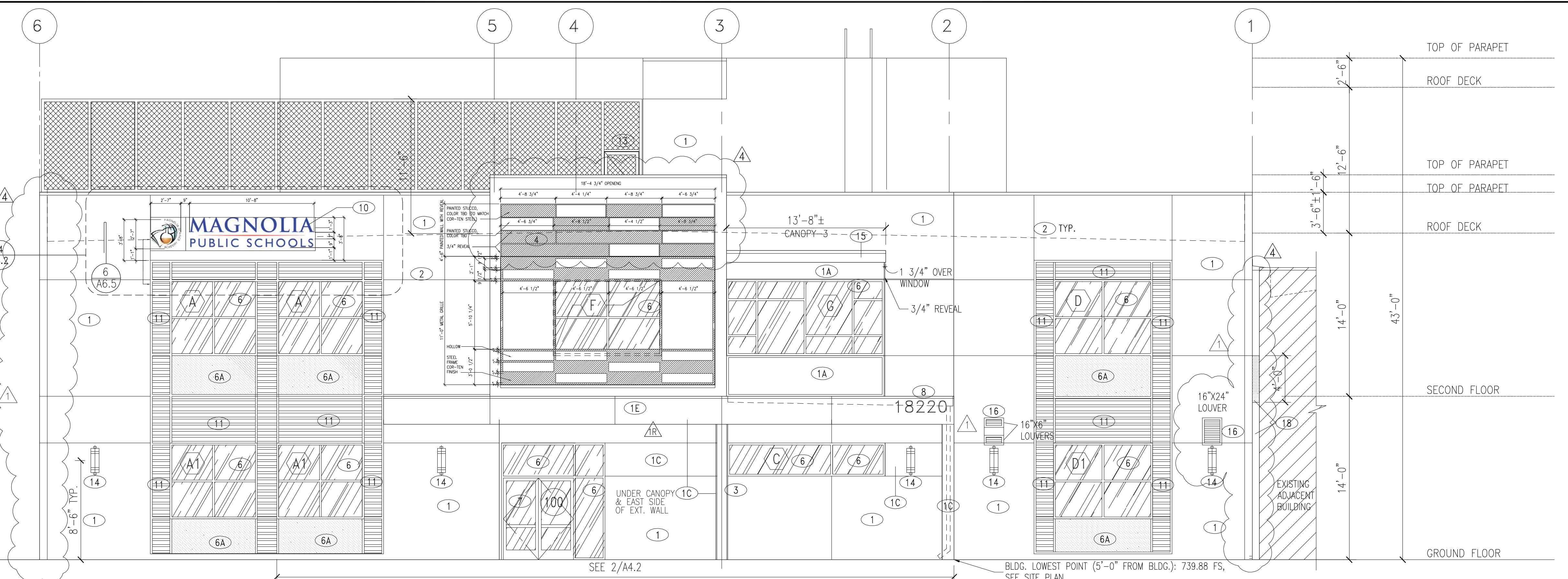
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DRAWING NUMBER: A4.0



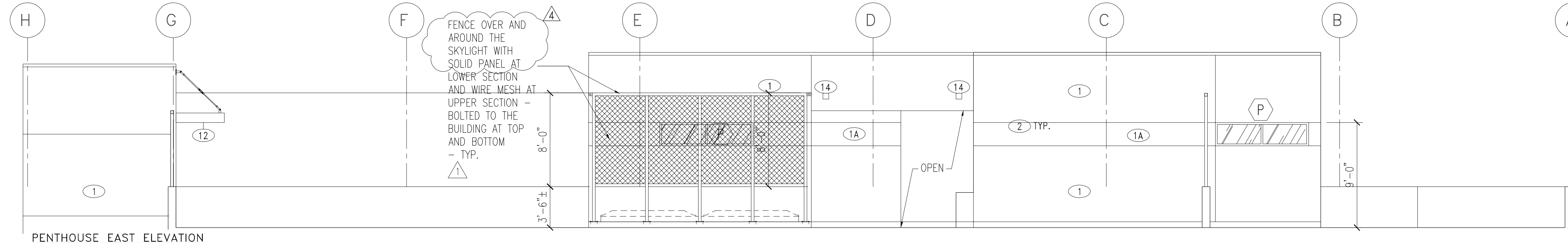
- LEGEND:**
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 - 3 STUCCO: ACCENT COLOR-LIGHT GRAY, TBD
 - 4 STUCCO: ACCENT COLOR-DARK GRAY, TBD
 - 5 STUCCO: ACCENT COLOR-BLUE, TBD
 - 6 STUCCO: ACCENT COLOR-MATCH STEEL PLATE (COR-TEN FINISH)
 - 7 22 GA. MTL. GUTTER FASCIA (SEE 1/A4.4); PAINT COLOR-BLUE, TBD
 - 8 3/4" ALUM. REVEAL/CONTROL JOINT, TYP. SEE 18/D1.0
 - 9 NOTE: PROVIDE CONTROL JOINTS AT UNDERSIDE OF CANOPIES AND ALL EXTERIOR WALLS THAT ARE NOT SHOWN ON ELEVATIONS SPACING AT 10'-0" O.C. MAX.
 - 10 20GA WEATHERED SHEET METAL CLADDING (COR-TEN FINISH) OVER 5/8" "X" GYP. BD O/ STRUCTURAL STEEL COLUMN
 - 11 CUT OUT STEEL PLATE, WEATHERED STEEL (COR-TEN FINISH)
 - 12 PROVIDE ANTI-GRAFFITI FINISH AT THE FIRST 9 FEET, MEASURED FROM GRADE, AT EXTERIOR WALLS AND DOORS (6306) (PAINTED SURFACE - LARR #25601T, UNFINISHED SURFACE - LARR #25286T)
 - 13 STOREFRONT GLASS WINDOW: 1" LOW-E INSULATED TEMPERED DUAL GLAZED GLASS, 2" X 4 1/2" CLEAR ALUMINUM STOREFRONT FRAME GLASS SPEC. - PPG VISTA COOL(2) AZURIA SOLORBAN 60
 - 14 STOREFRONT SPANDREL GLASS WINDOW: 1" LOW-E INSULATED TEMPERED DUAL GLAZED GLASS, 2" X 4 1/2" CLEAR ANODIZED ALUMINUM FRAME GLASS SPEC. - PPG VISTA COOL(2) AZURIA SOLORBAN 60
 - 15 6'-0" W X 7'-0" HT. PAIR OF STOREFRONT TEMPERED GLASS DOORS CLEAR ANODIZED ALUMINUM FRAME.
 - 16 BUILDING ADDRESS SUBMIT SHOP DRAWINGS FOR ARCHITECTS APPROVAL
 - 17 REINFORCED CMU WALL - PAINTED
 - 18 SCHOOL SIGN AND LOGO, SEE 3&4/A4.2 SUBMIT SHOP DRAWINGS FOR ARCHITECTS APPROVAL
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 - 20 CANOPY OVERHEAD, SEE STRUCTURAL
 - 21 W.I. FENCE W/ PAINTED PERFORATED METAL PANELS.
 - 22 LIGHT FIXTURE PER SCHEDULE
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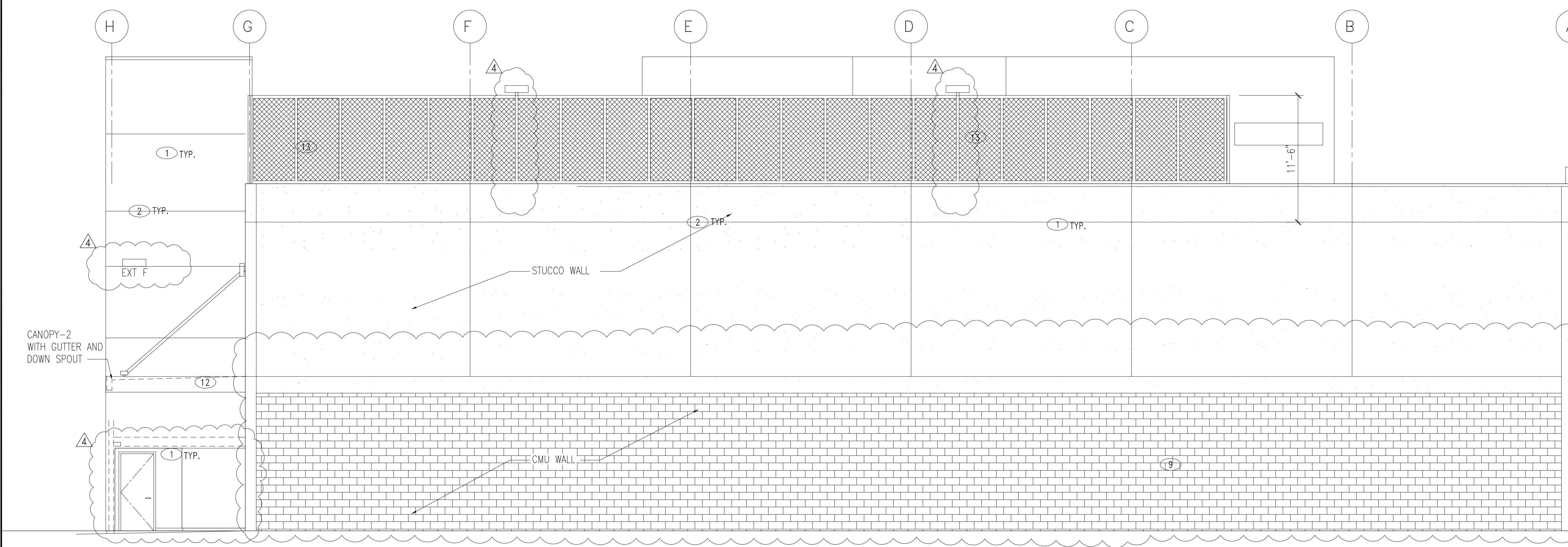


- NORTH ELEVATION**
- TOTAL SURFACE = 2,912 SF
- SOLID SURFACE = 2,263.5 SF (77.7%)
- GLAZED SURFACE = 648.5 SF (22.3%)
- FIRST FLOOR SURFACE = 1,456 SF
- SOLID SURFACE = 1,127.5 SF (77.4%)
- GLAZED SURFACE = 328.5 SF (22.6%)
- SECOND FLOOR SURFACE = 1,456 SF
- SOLID SURFACE = 1,136 SF (78%)
- GLAZED SURFACE = 320 SF (22%)

1 NORTH ELEVATION
SCALE: 3/16" = 1'-0"



- PENTHOUSE EAST ELEVATION**
- TOTAL SURFACE = 2,912 SF
- SOLID SURFACE = 2,912 SF (100%)
- GLAZED SURFACE = 0 SF (0%)
- FIRST FLOOR SURFACE = 1,456 SF
- SOLID SURFACE = 1,456 SF (100%)
- GLAZED SURFACE = 0 SF (0%)
- SECOND FLOOR SURFACE = 1,456 SF
- SOLID SURFACE = 1,456 SF (100%)
- GLAZED SURFACE = 0 SF (0%)



- EAST ELEVATION**
- TOTAL SURFACE = 2,912 SF
- SOLID SURFACE = 2,912 SF (100%)
- GLAZED SURFACE = 0 SF (0%)
- FIRST FLOOR SURFACE = 1,456 SF
- SOLID SURFACE = 1,456 SF (100%)
- GLAZED SURFACE = 0 SF (0%)
- SECOND FLOOR SURFACE = 1,456 SF
- SOLID SURFACE = 1,456 SF (100%)
- GLAZED SURFACE = 0 SF (0%)

RE: RFI-105, SK-013

- ADD FENCE OVER SKYLIGHT
- FLASHING BETWEEN NEW BUILDING AND THE EXISTING BUILDING
- DECORATIVE METAL FRAME ON NORTH FACADE IS MODIFIED
- STUCCO AREA ON EAST ELEVATION
- SHOW STAIR-2 EXIT DOOR AS IN PLAN

2 EAST ELEVATION
SCALE: 3/16" = 1'-0"

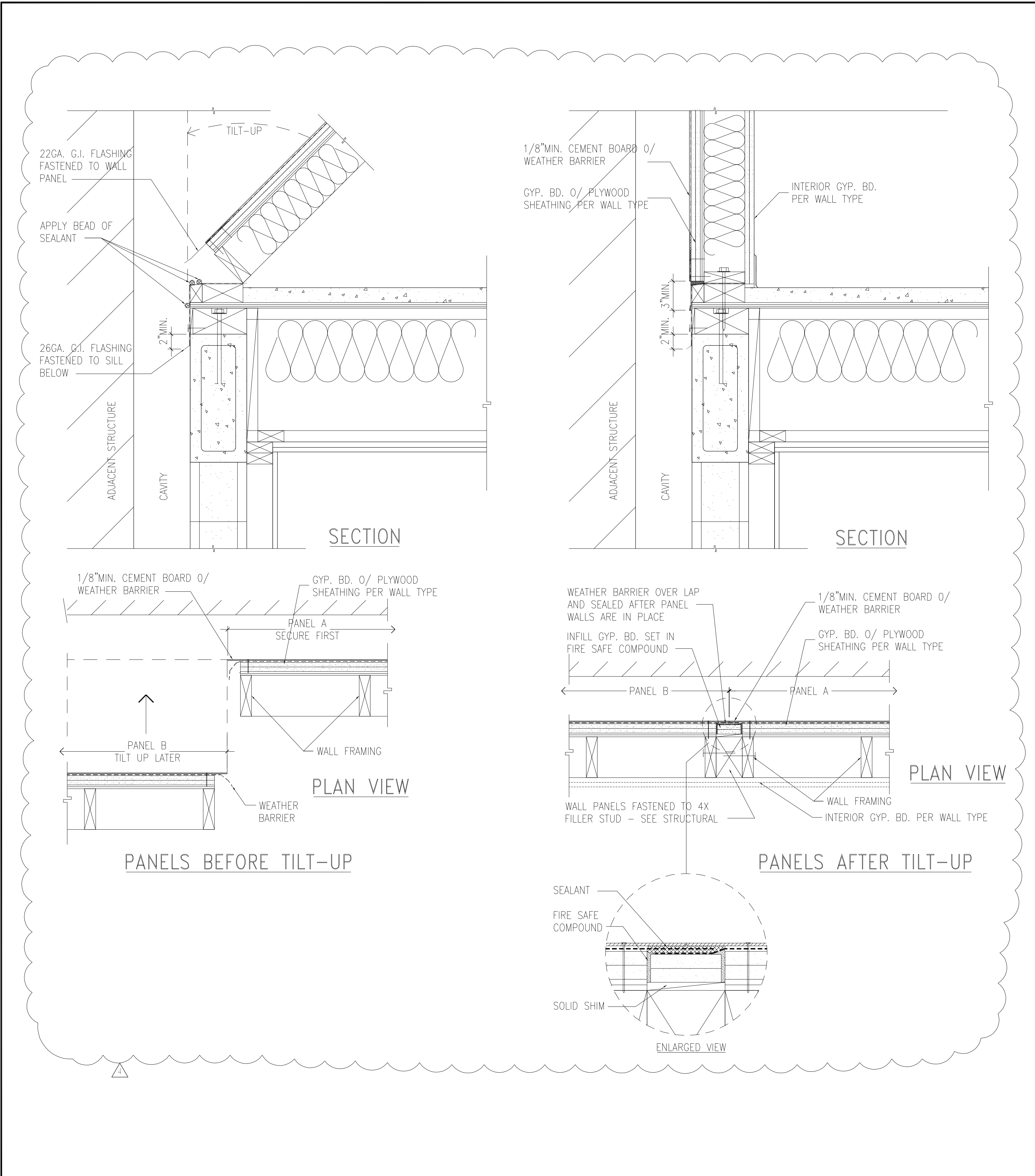
MAGNOLIA SCIENCE ACADEMY
18220 SHERMAN WAY, RESEDA, CA 91335

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	TD PLAN CHECK	9/31/2017
3	TD PLAN CHECK	2/14/2018
4	COOPERATION BULLETIN-1	06/11/2018
5	COOPERATION BULLETIN-2	06/25/2018
6	SUMMARY OF DISTANCES	07/10/2018

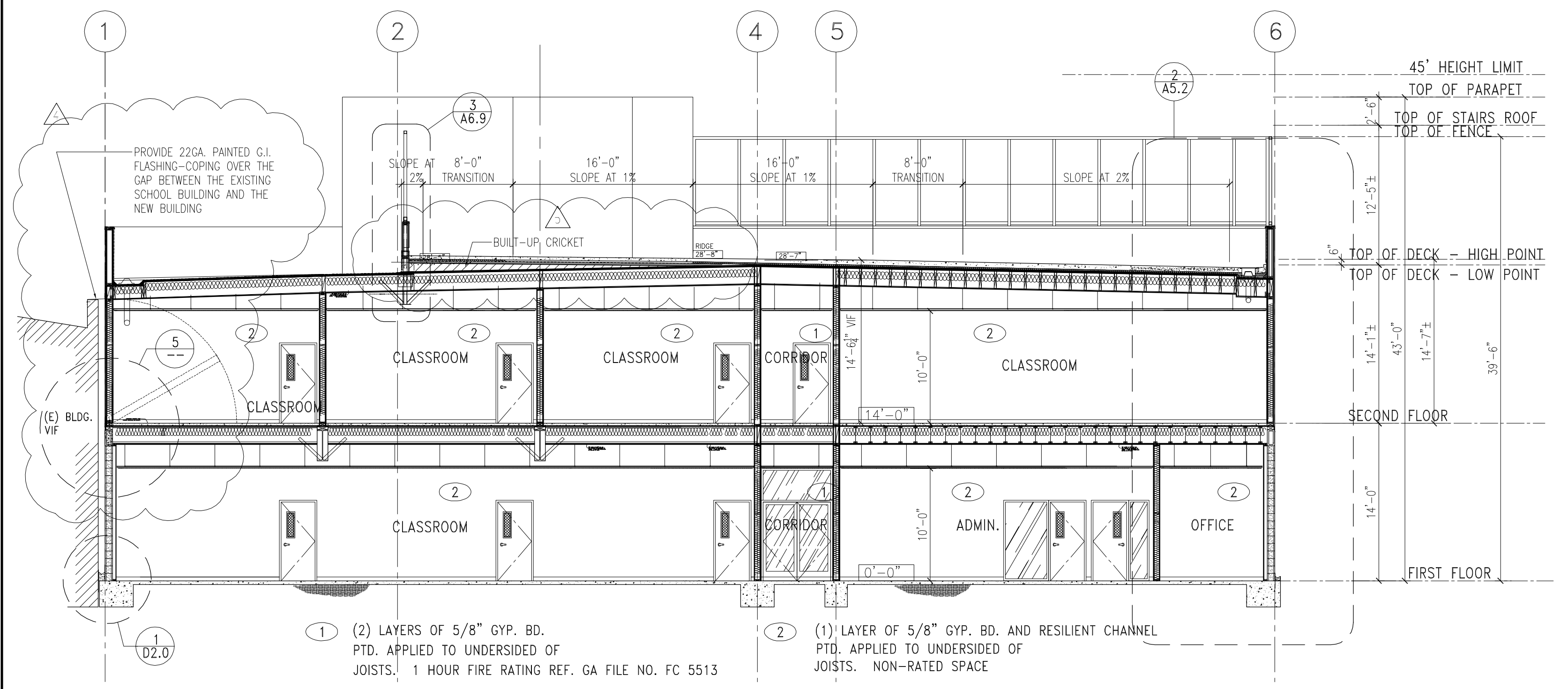


PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	ELEVATIONS
DRAWN BY	DATE
ISSUE DATE	01/10/2019
JOB NUMBER	DRAWING SCALE
AS NOTED	
PROJECT NUMBER	

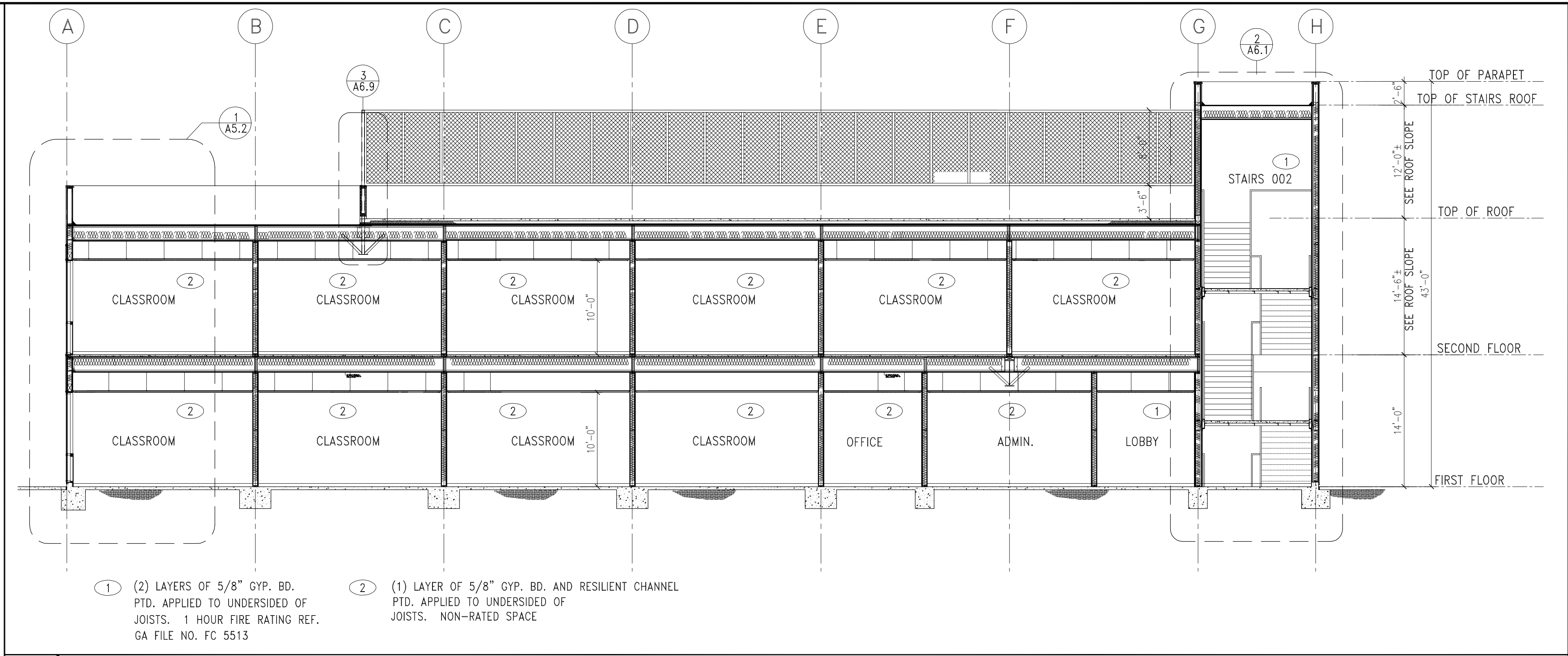
A4.1



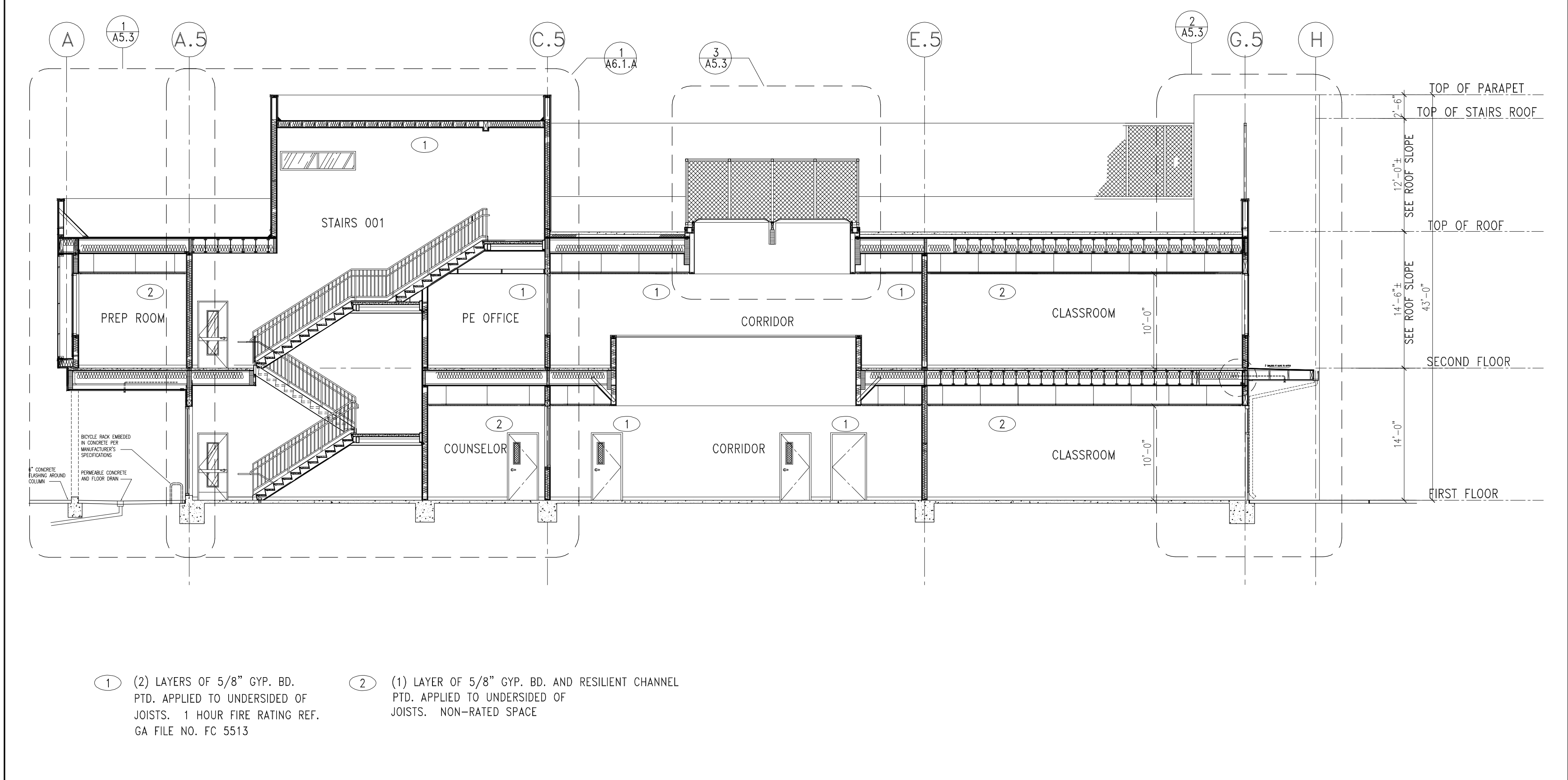
5 TILT-UP WALL DETAIL
SCALE: 1/2"=1'-0"



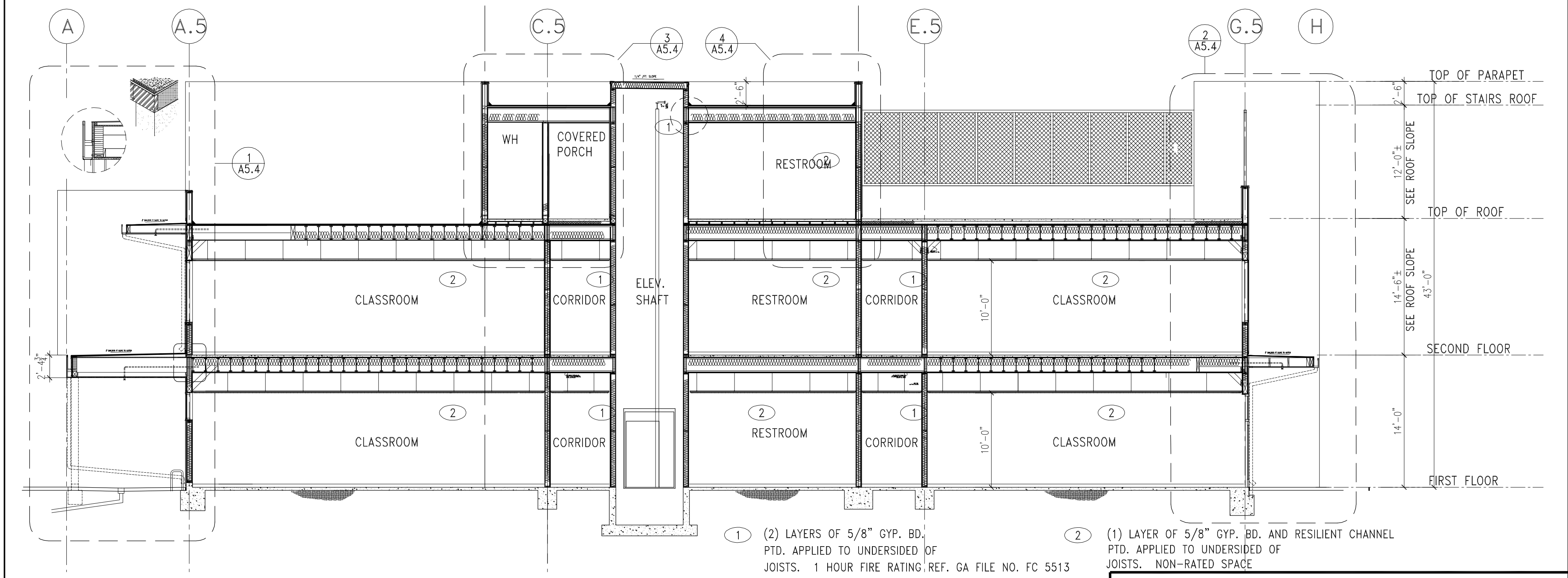
4 BUILDING SECTION
SCALE: 1/8"=1'-0"



1 BUILDING SECTION
SCALE: 1/8"=1'-0"



2 BUILDING SECTION
SCALE: 1/8"=1'-0"

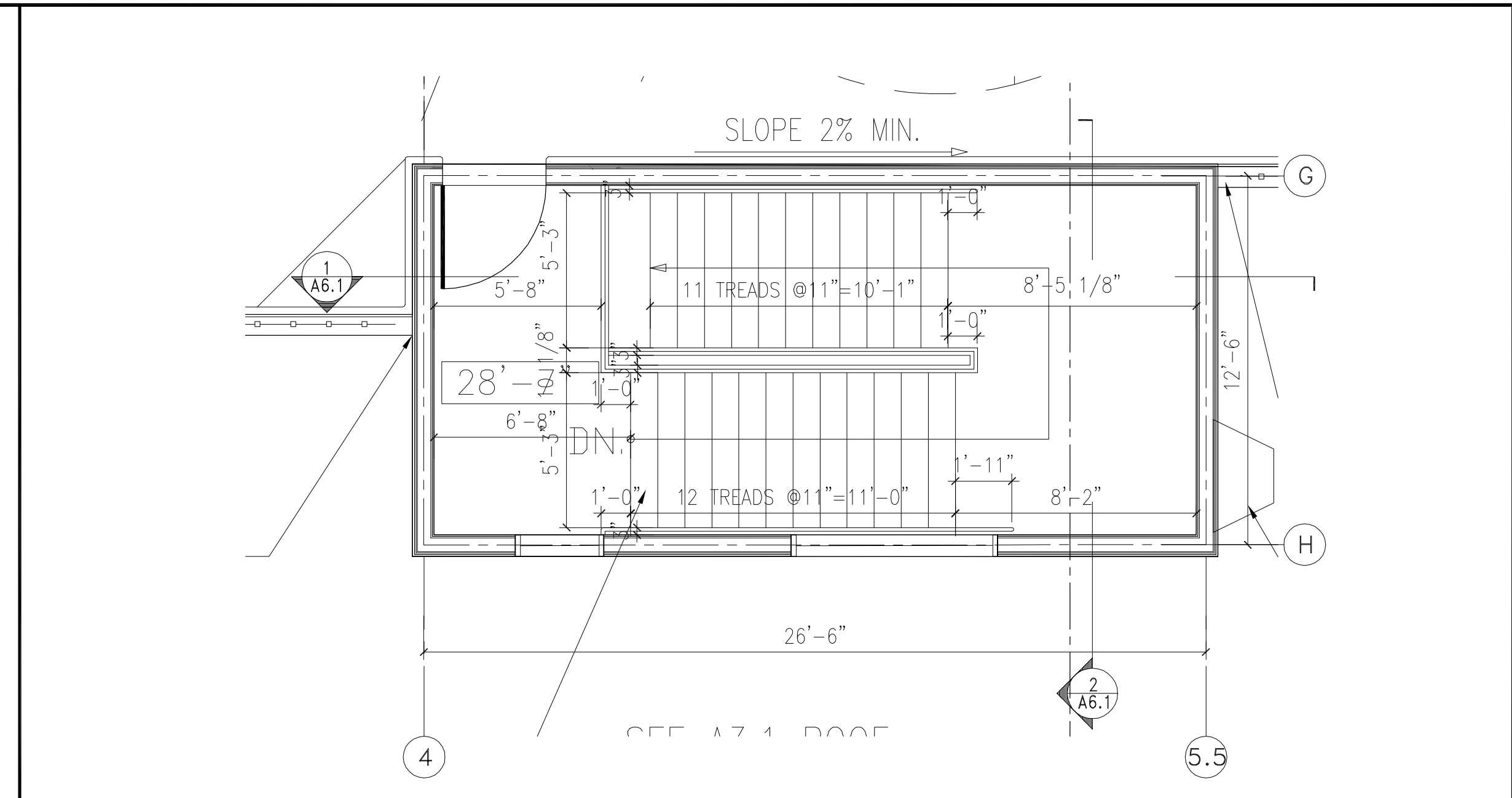
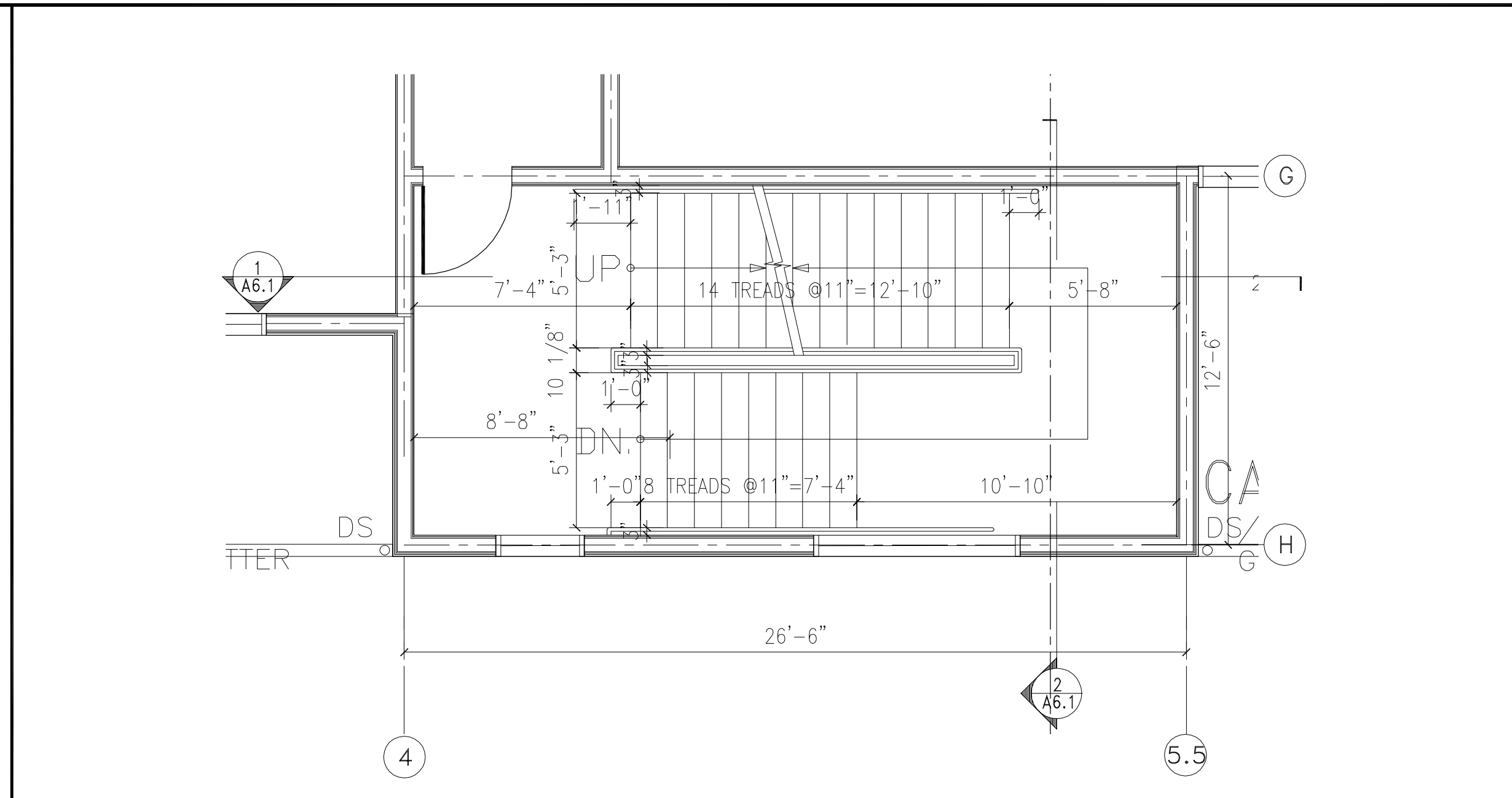
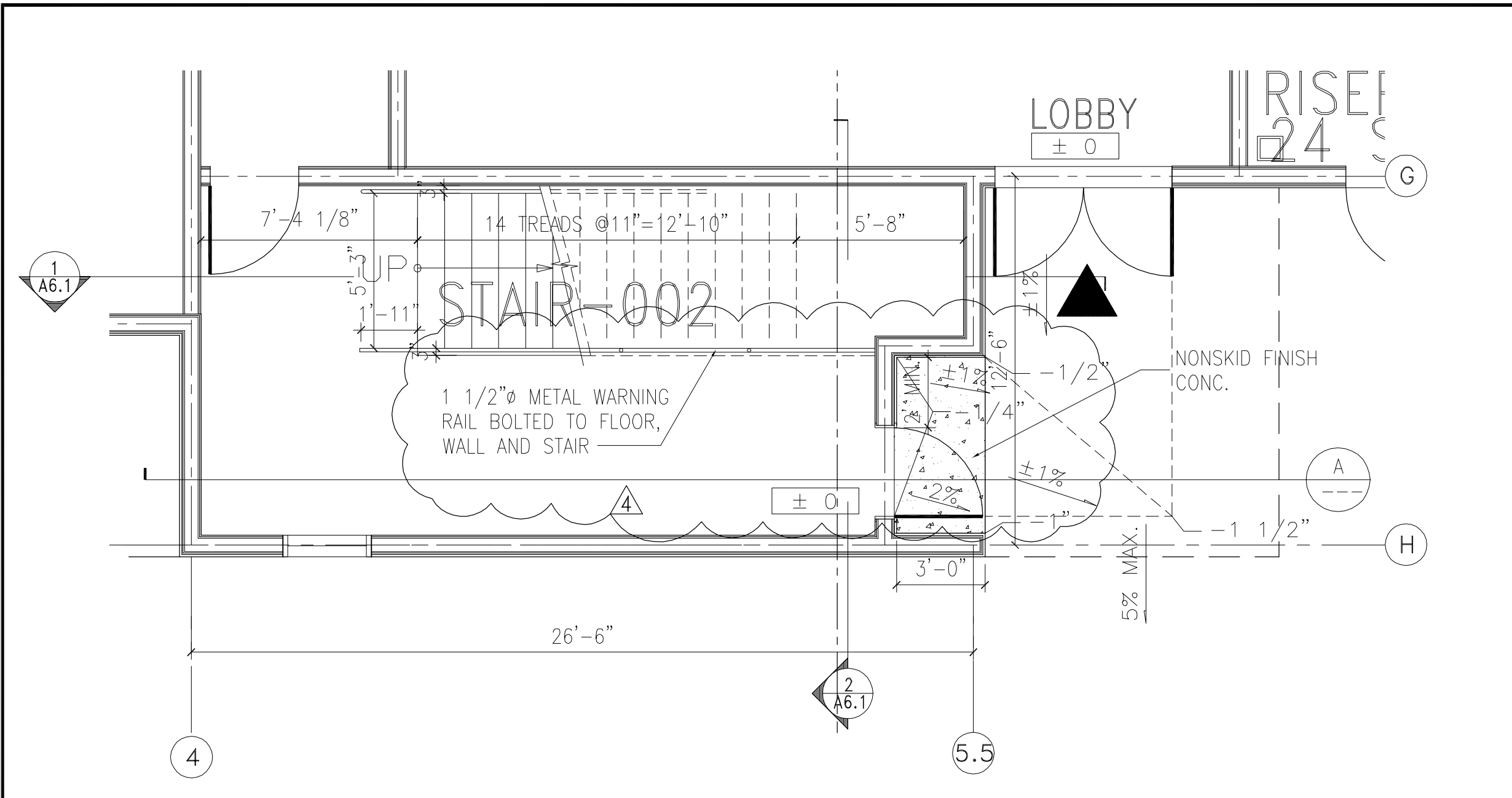


3 BUILDING SECTION
SCALE: 1/8"=1'-0"

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	PTD PLAN CHECK	9/31/2017
3	PTD PLAN CHECK	2/14/2018
4	LIBRARY OF ARCHITECTURE	01/10/2019
5	COOPERATION	01/10/2019
6	REVISION	



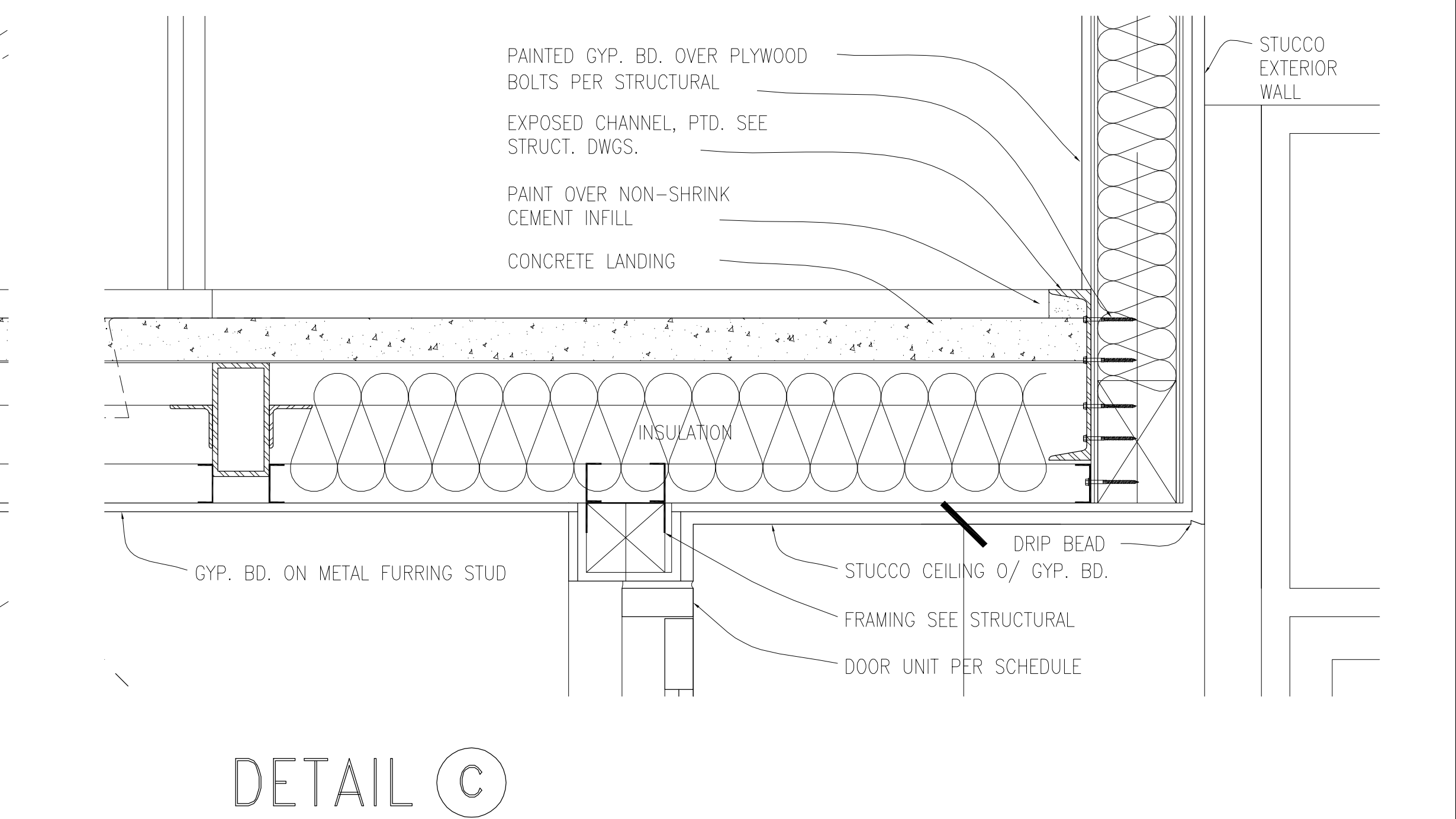
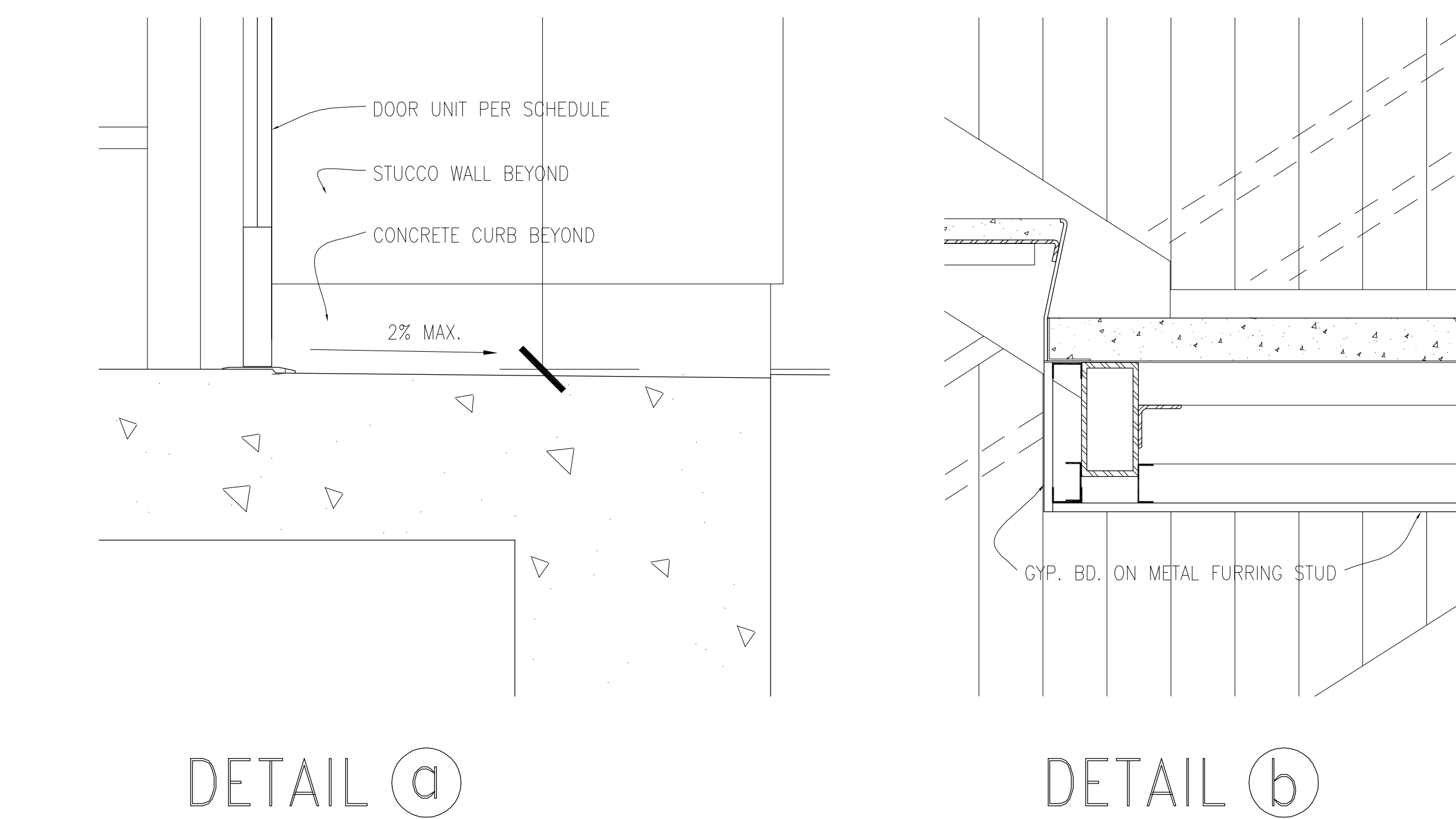
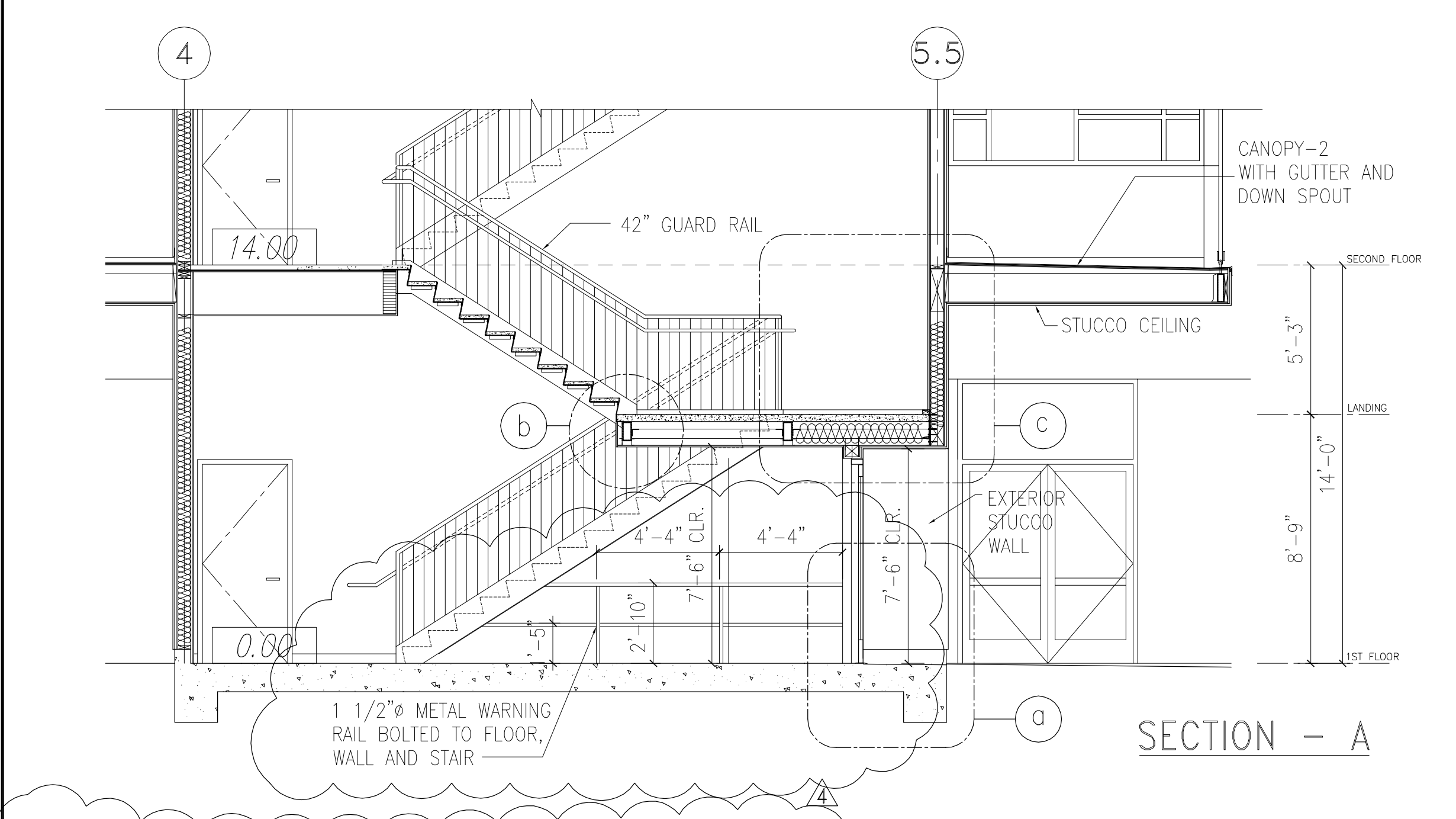
PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	SECTIONS AND DETAILS
DRAWN BY	01/10/2019
ISSUE DATE	AS NOTED
DATE	
SCALE	
PROJECT NUMBER	



1 STAIR NO. 002 - 1ST FLOOR
SCALE: 1/4" = 1'-0"

2 STAIR NO. 002 - SECOND FLOOR
SCALE: 1/4" = 1'-0"

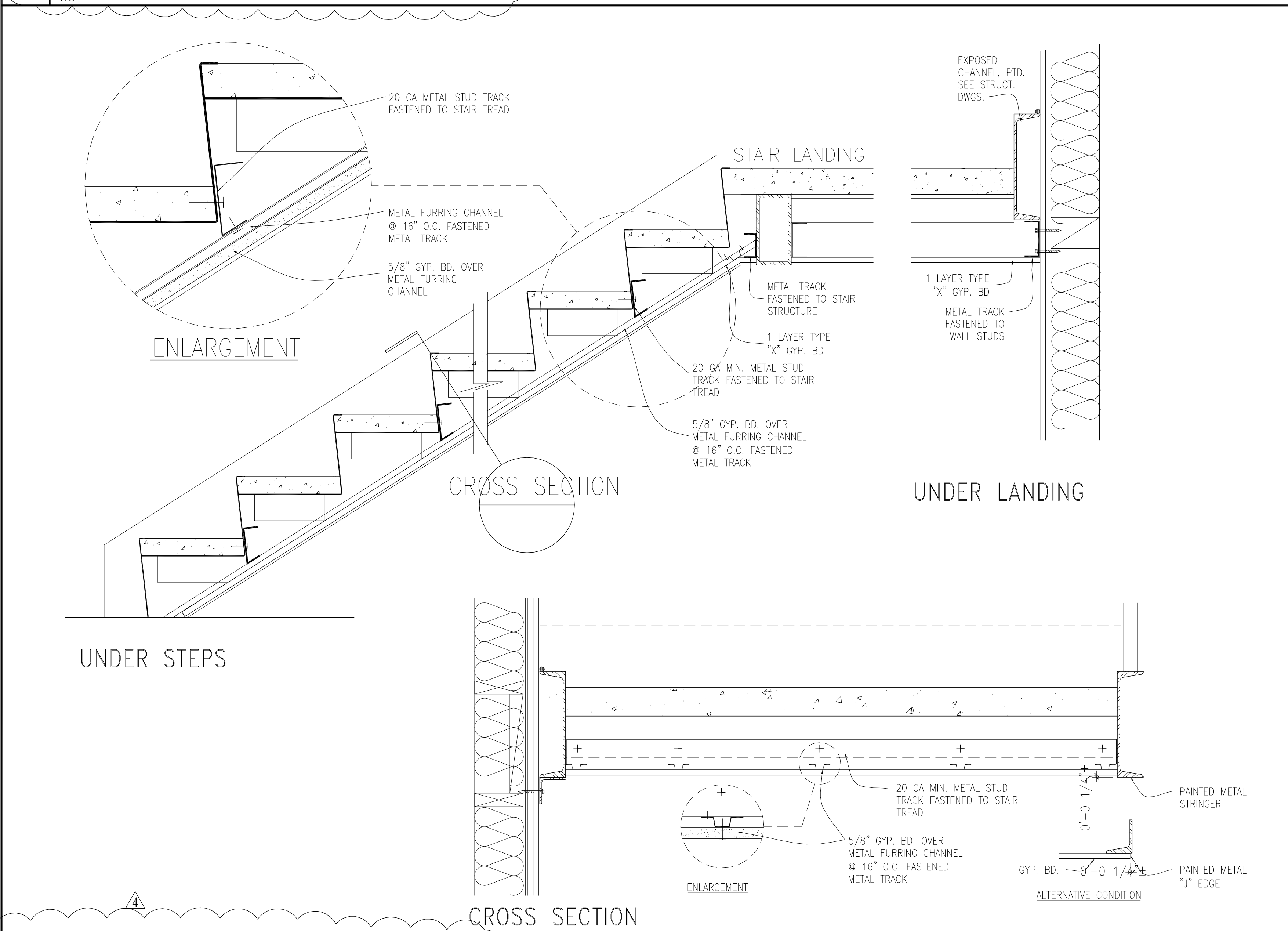
3 STAIR NO. 002 - ROOF LEVEL
SCALE: 1/4" = 1'-0"



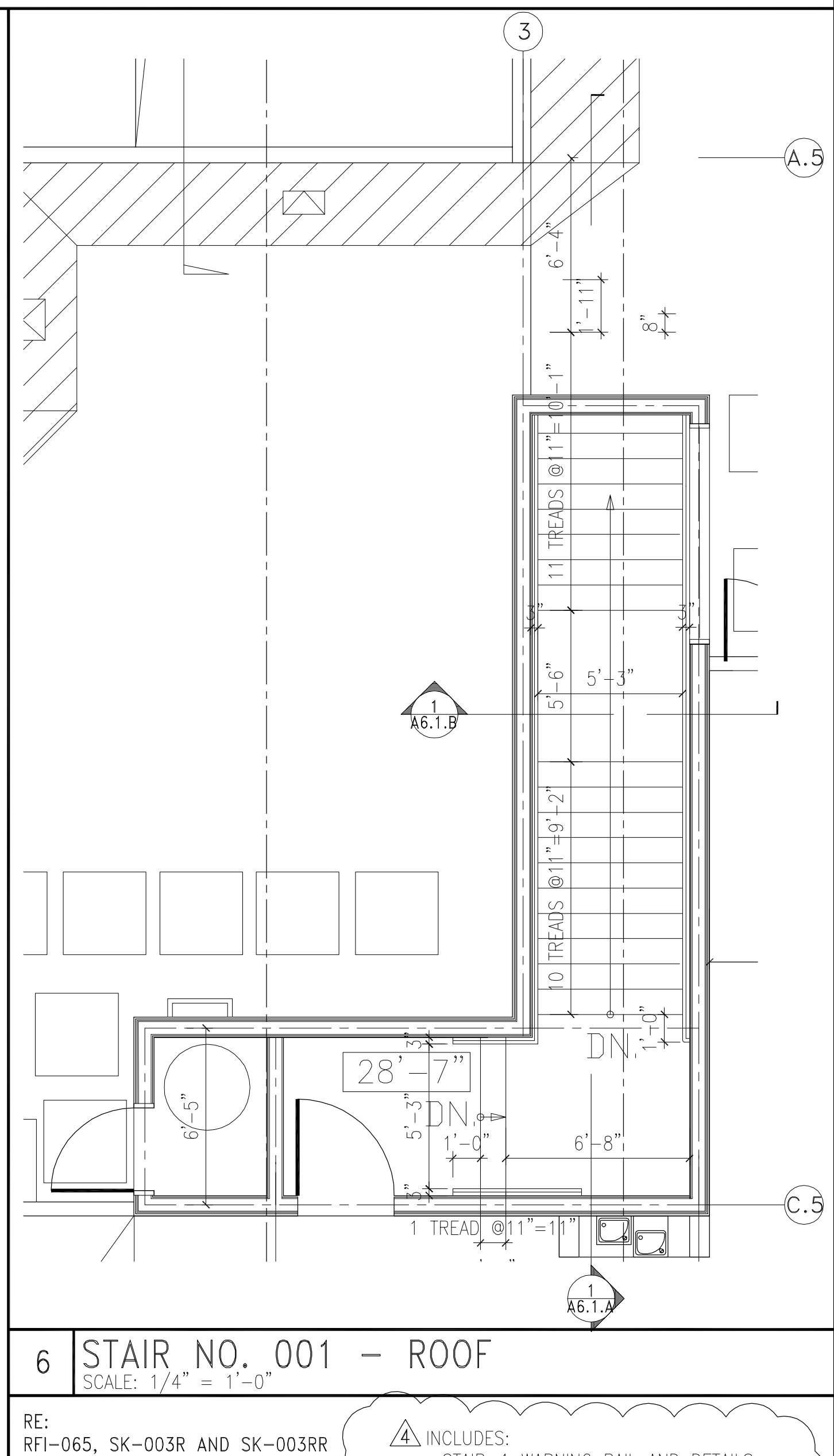
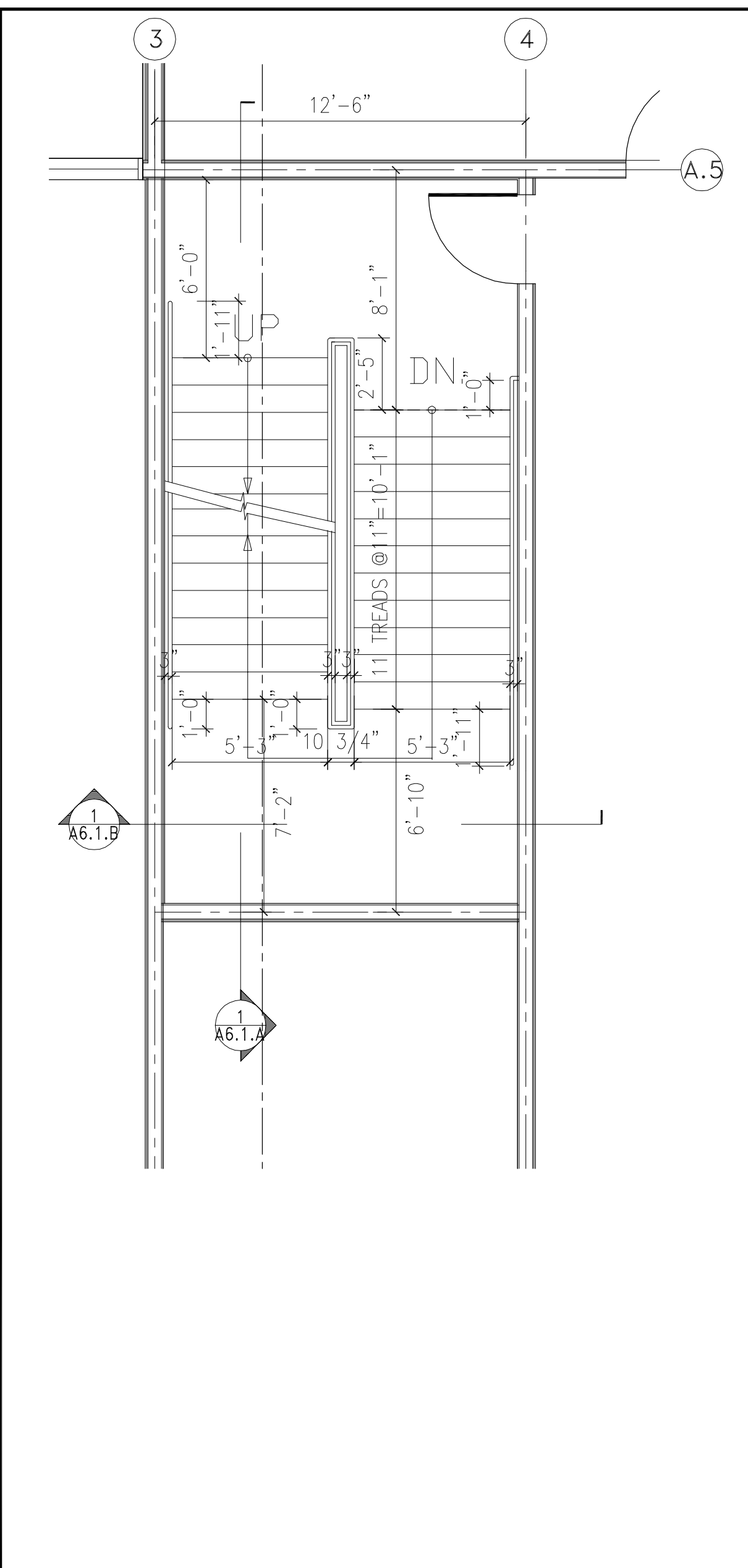
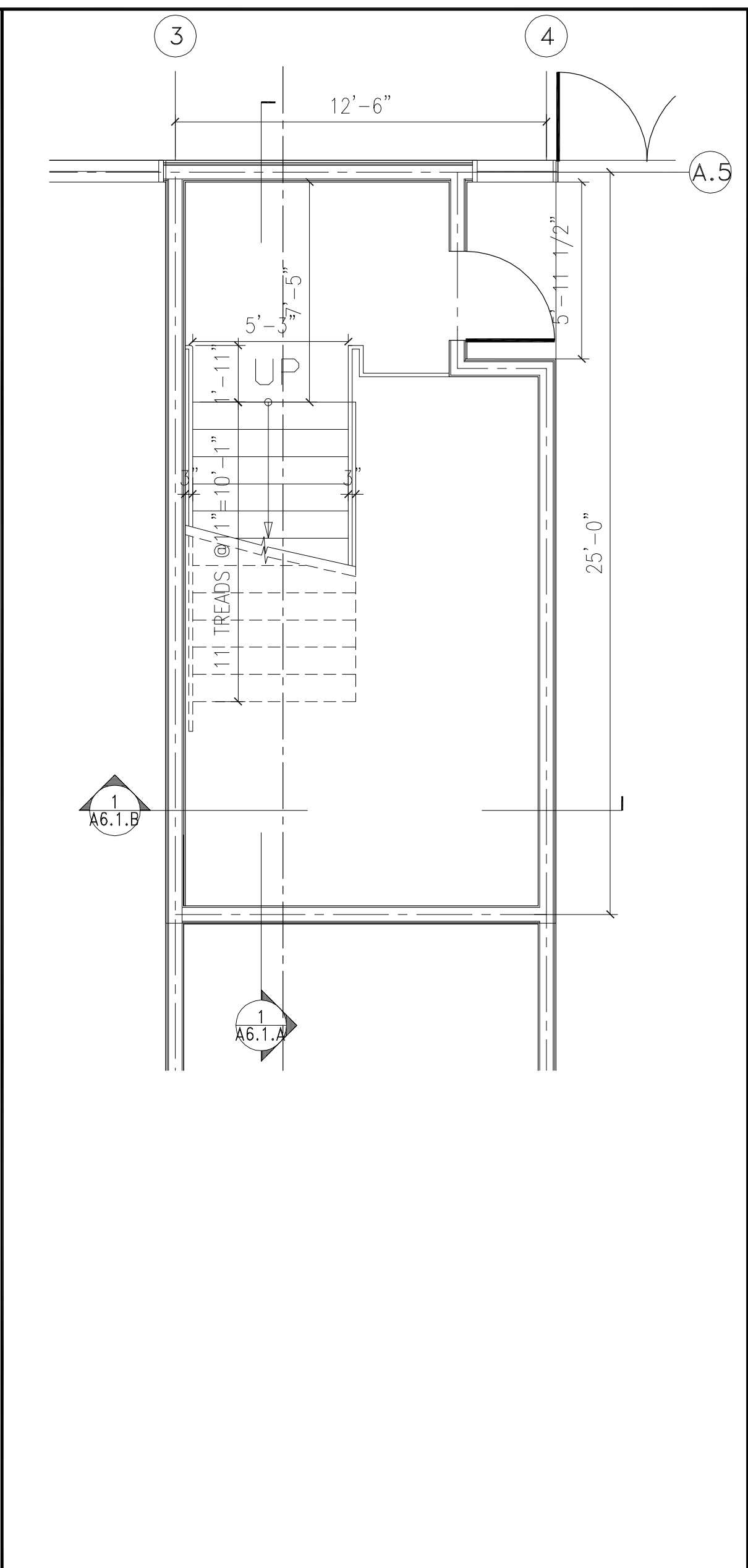
A STAIR NO. 002 - 1ST FLOOR SECTION
NTS

DETAIL a

DETAIL c



B TYPICAL UNDER STAIR FURRING DETAIL
NTS



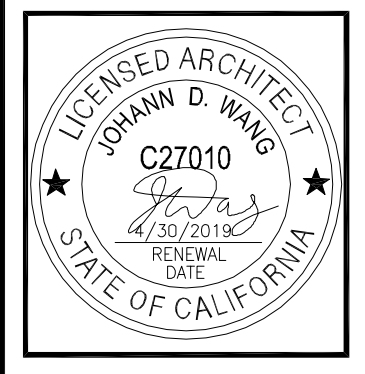
4 STAIR NO. 001 - FIRST FLOOR
SCALE: 1/4" = 1'-0"

5 STAIR NO. 001 - SECOND FLOOR
SCALE: 1/4" = 1'-0"

6 STAIR NO. 001 - ROOF
SCALE: 1/4" = 1'-0"

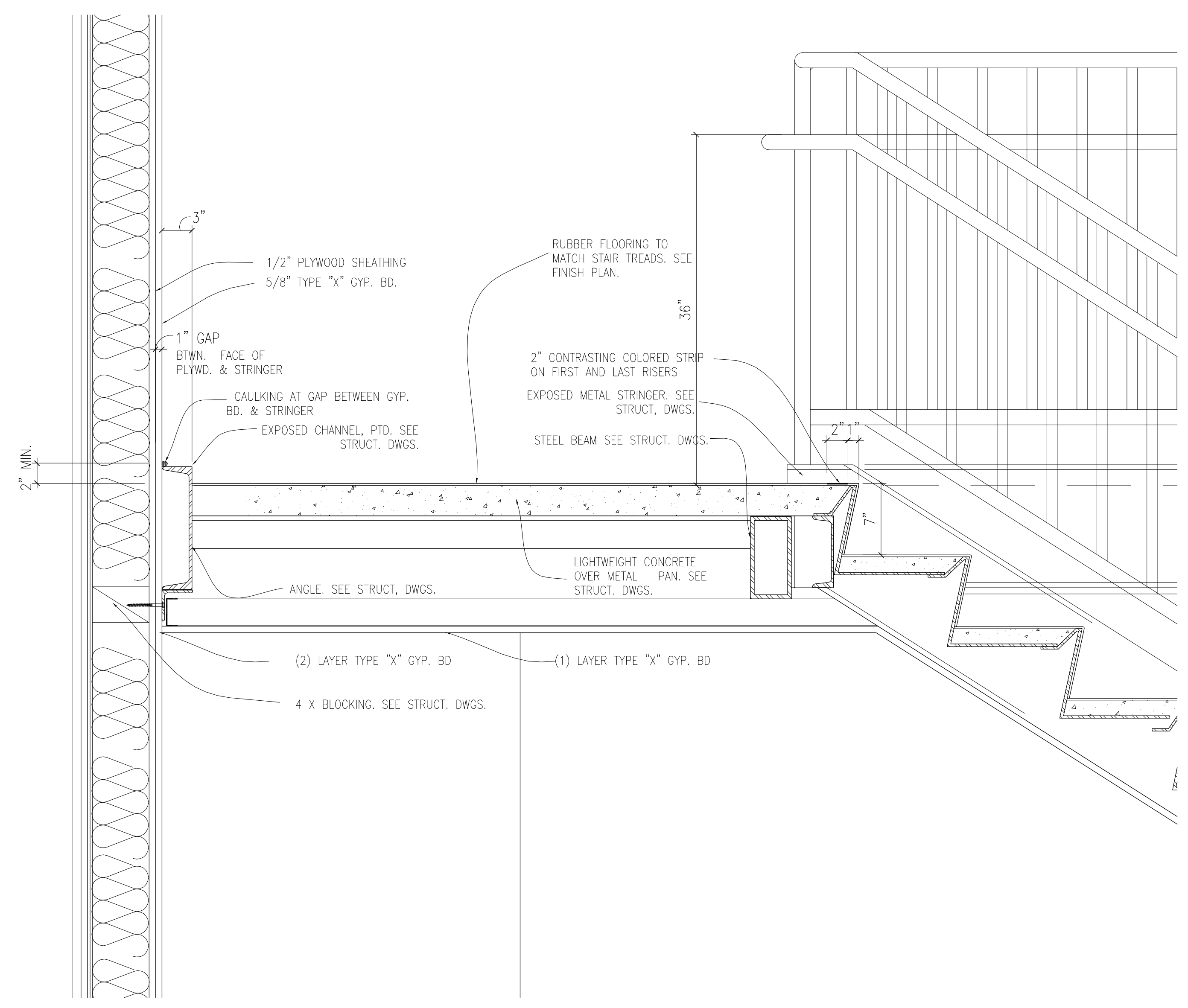
INCLUDES:
STAIR-1 WARNING RAIL AND DETAILS
STAIR UNDERSIDE FURRING DETAILS

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	TD PLAN CHECK	6/31/2017
3	TD PLAN CHECK	12/14/2017
4	REWORK TPC & STAIRS PER	12/02/2018
5	SUMMARY OF	01/10/2019

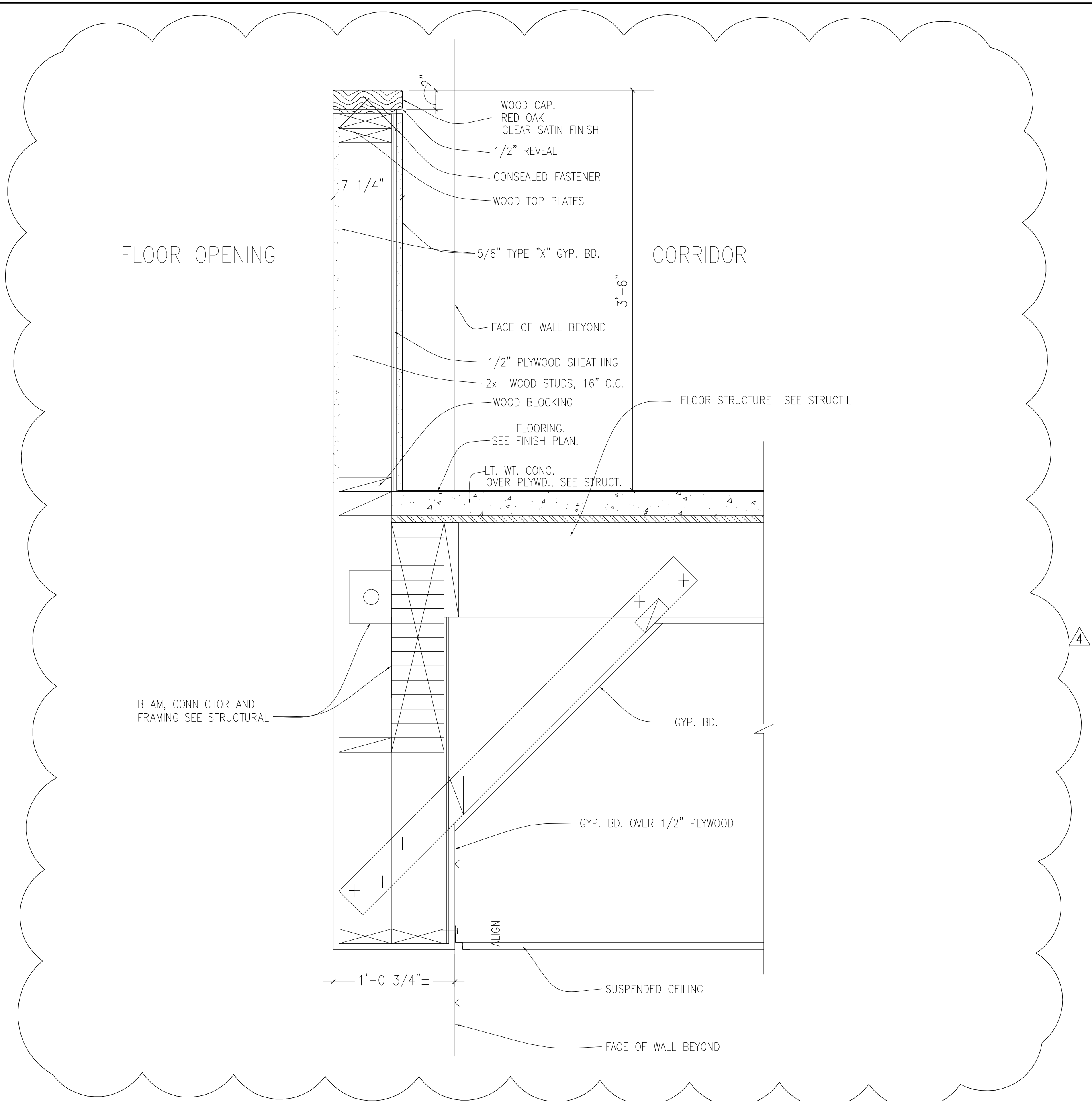


PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	STAIR PLANS
DRAWN BY	DATE DWN
CHECKED BY	DRAWING SCALE
DATE	AS NOTED
DRAWING NUMBER	

A6.0



NOTE: ALL EXPOSED STL. TO BE PAINTED. COLOR T.B.D.

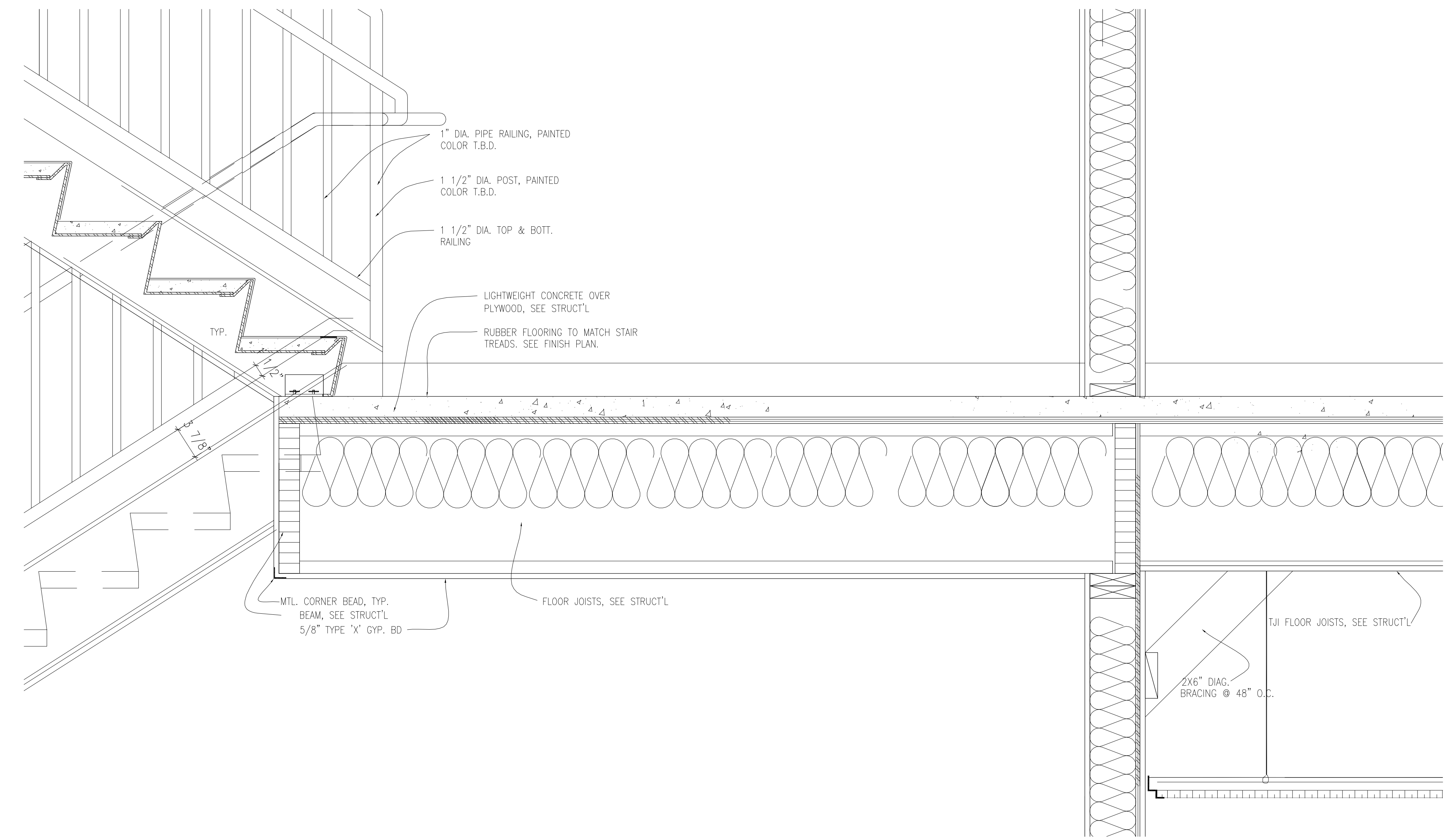
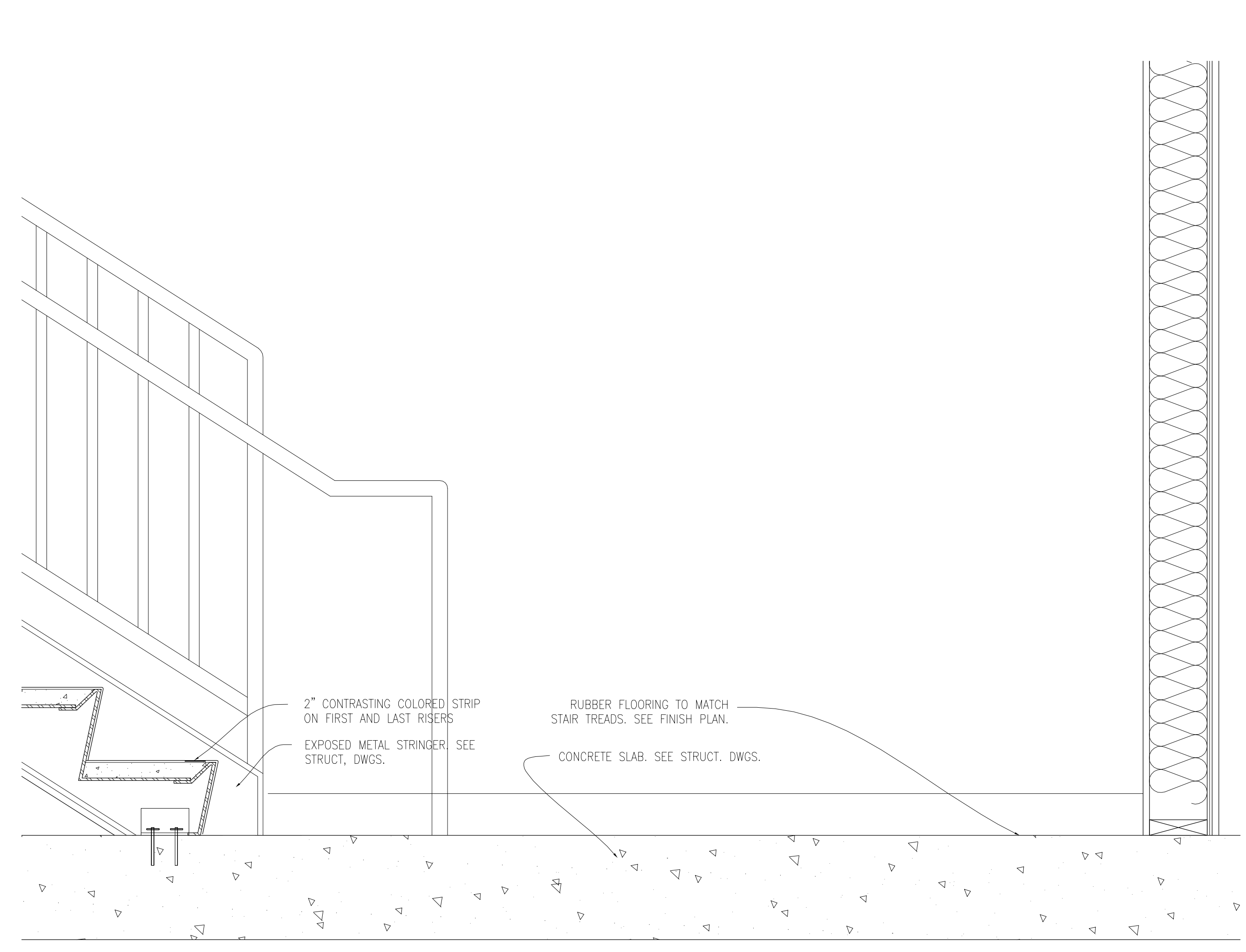


RE: RFI-129

▲. ATRIUM LOW WALL DETAIL

1 STAIRS INTERMEDIATE LANDING
SCALE: 1 1/2" = 1'-0"

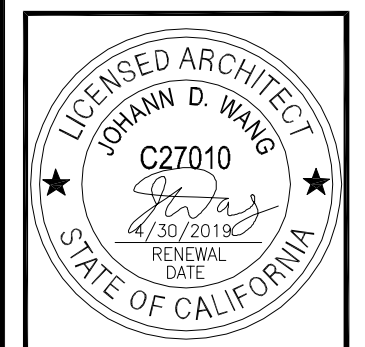
2 LOW WALL DETAIL
SCALE: 1 1/2" = 1'-0"



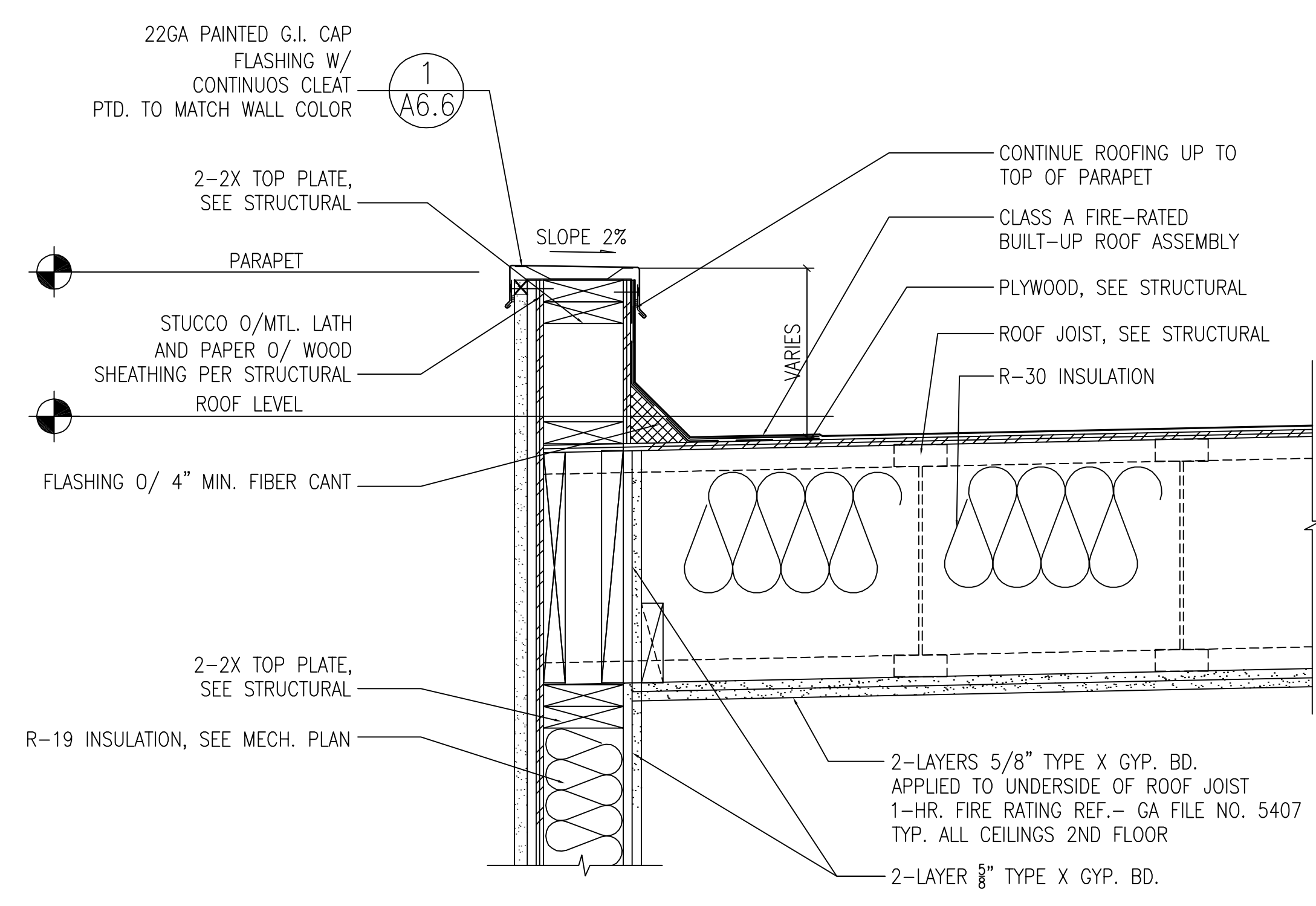
3 STAIRS INTERMEDIATE LANDING
SCALE: 1 1/2" = 1'-0"

4 STAIRS INTERMEDIATE LANDING
SCALE: 1 1/2" = 1'-0"

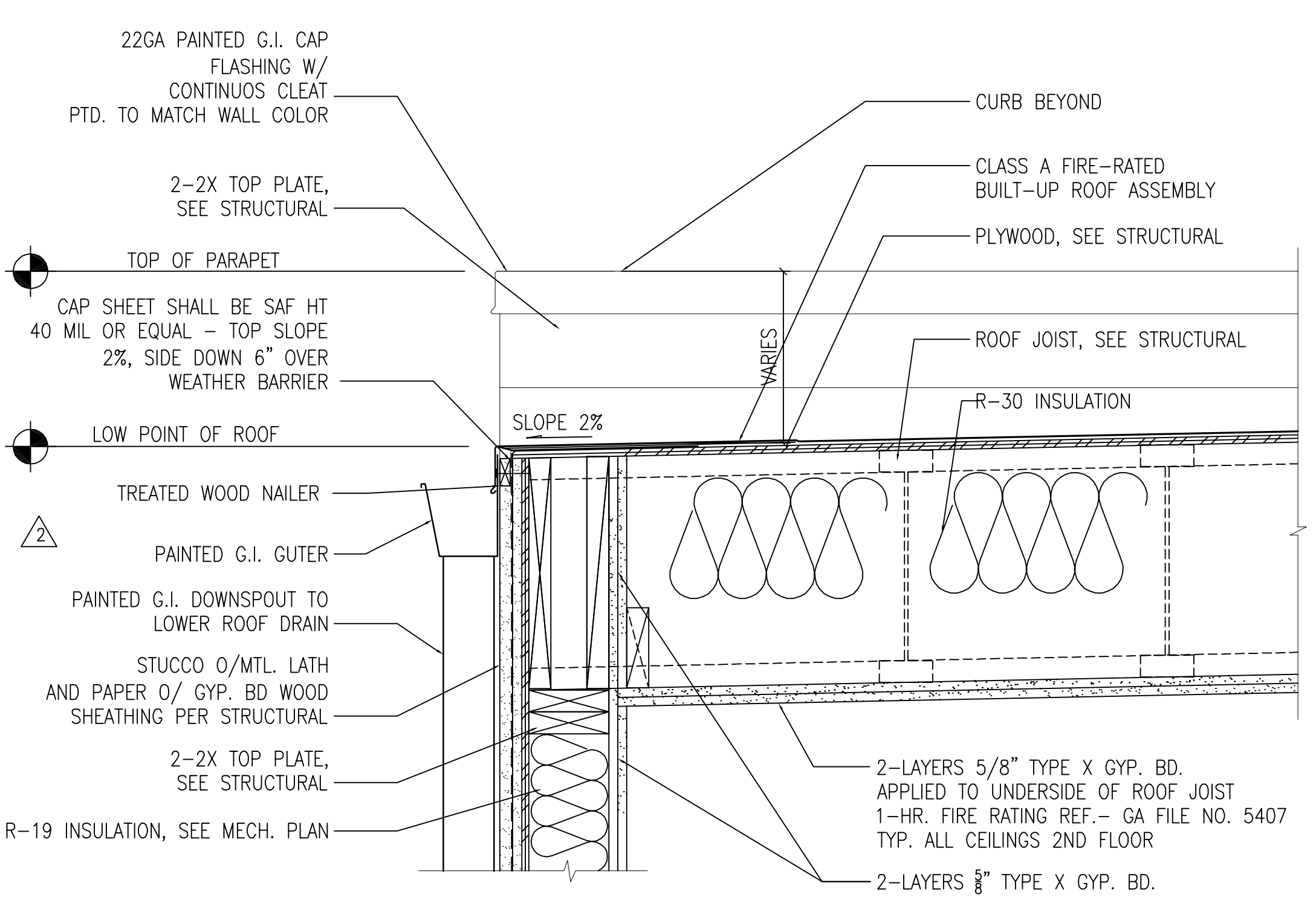
REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	TD PLAN CHECK	9/31/2017
3	TD PLAN CHECK	12/14/2017
4	SUMMARY OF CHANGES	01/10/2019



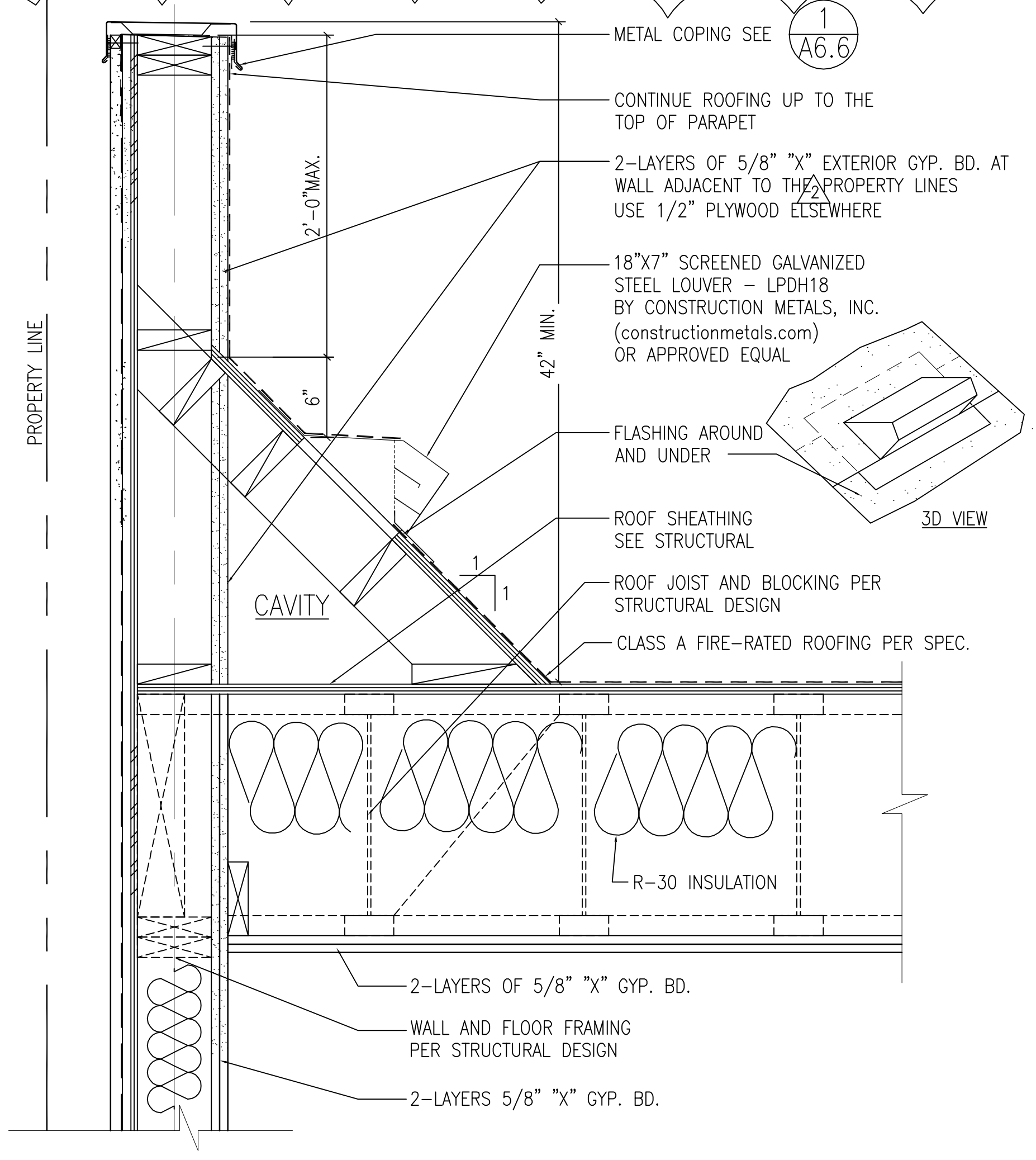
PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	STAIR SECTIONS AND DETAILS
DRAWN BY	AS NOTED
DATE	01/10/2019
DRAWING NUMBER	A6.2



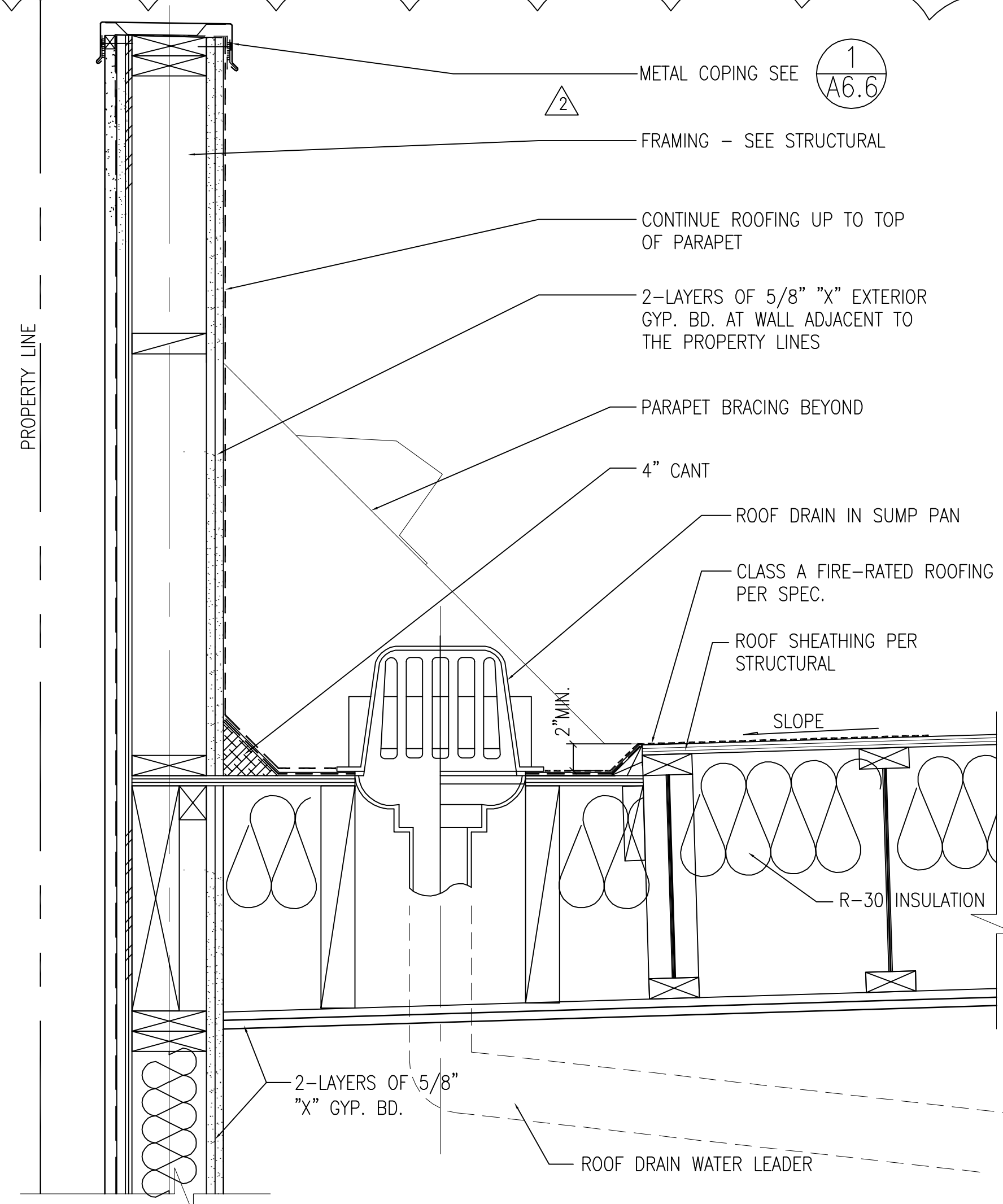
1 ROOF CURB



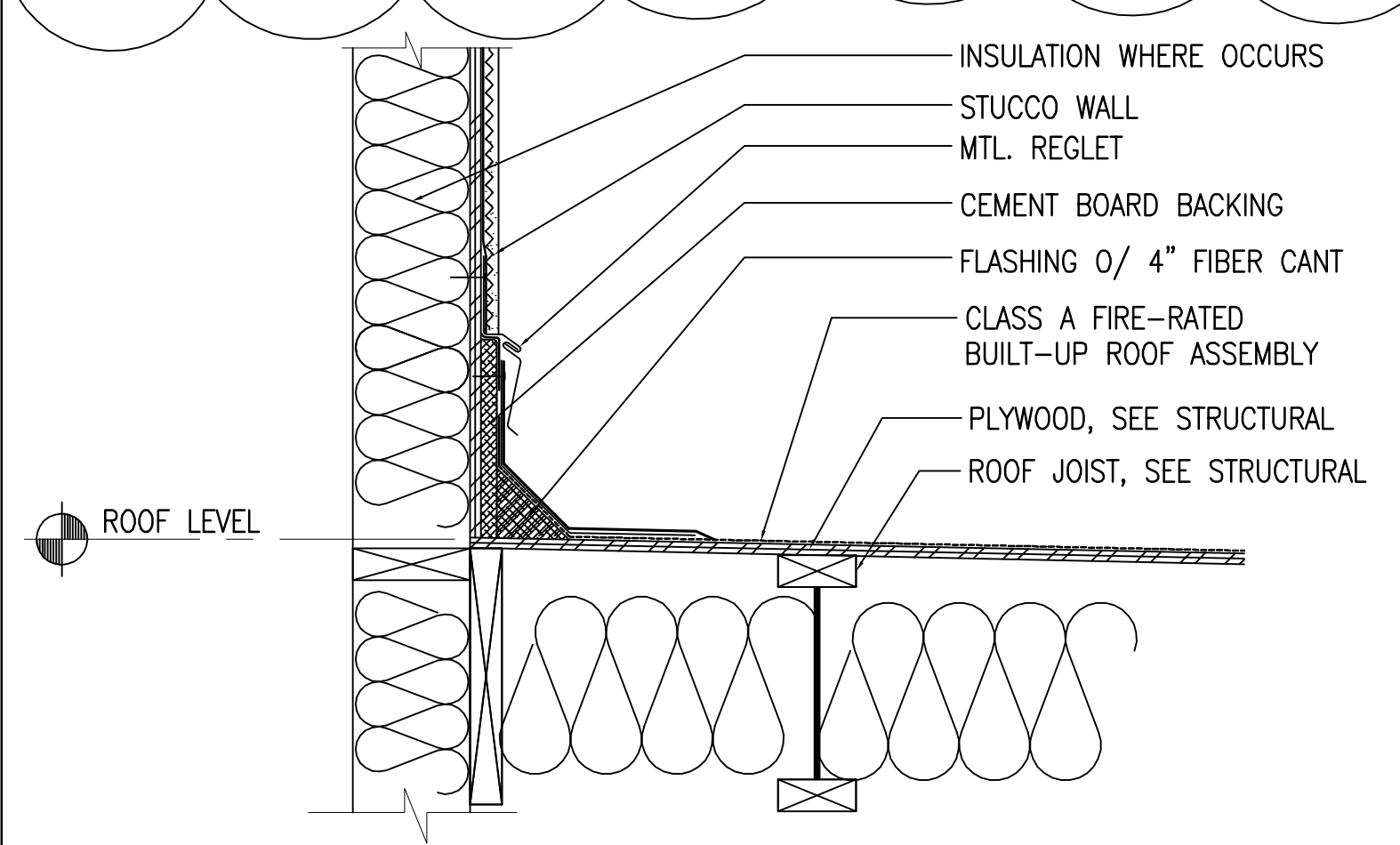
4 ROOF SIDE DRAIN



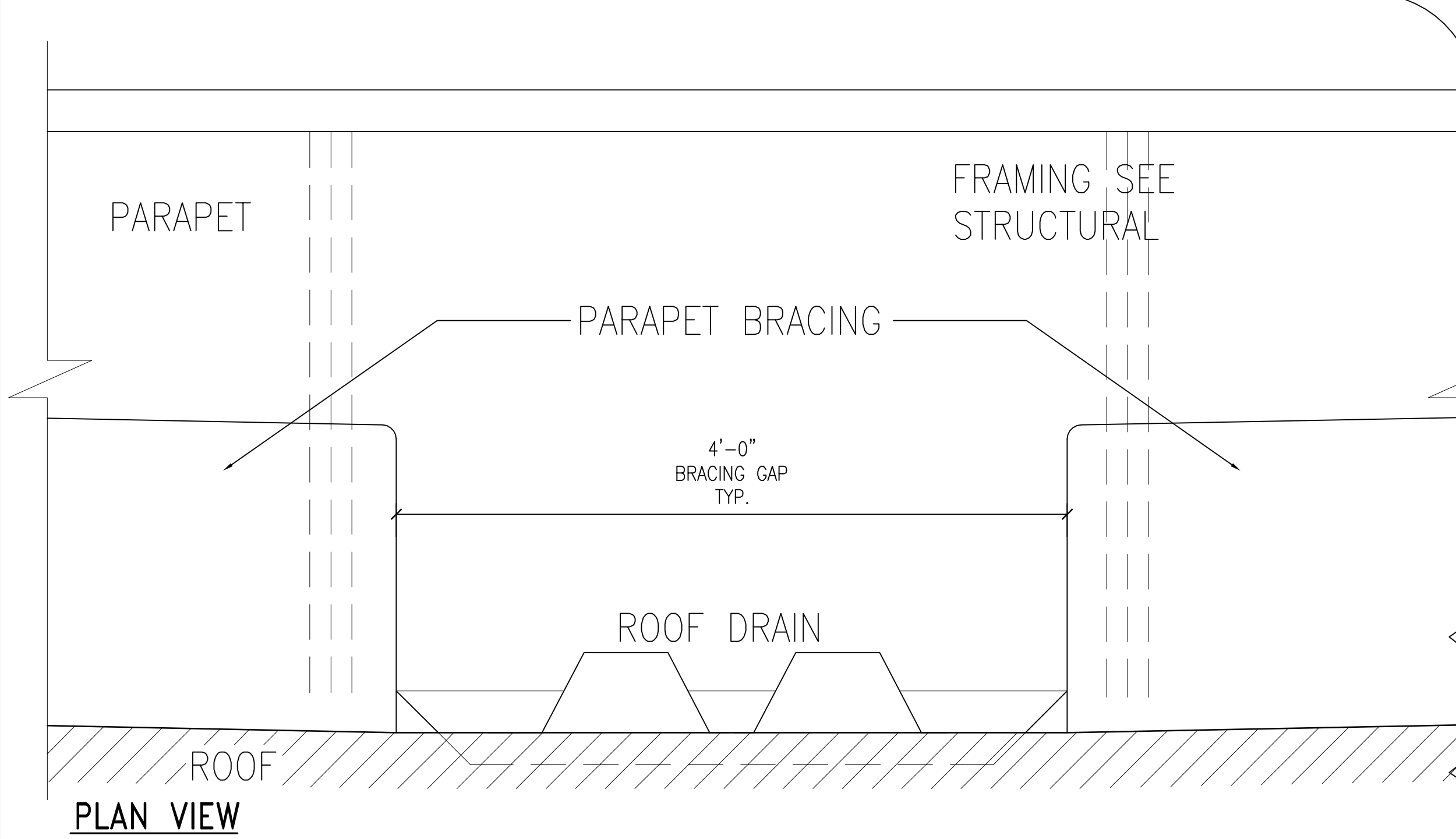
2 PARAPET AND ROOF



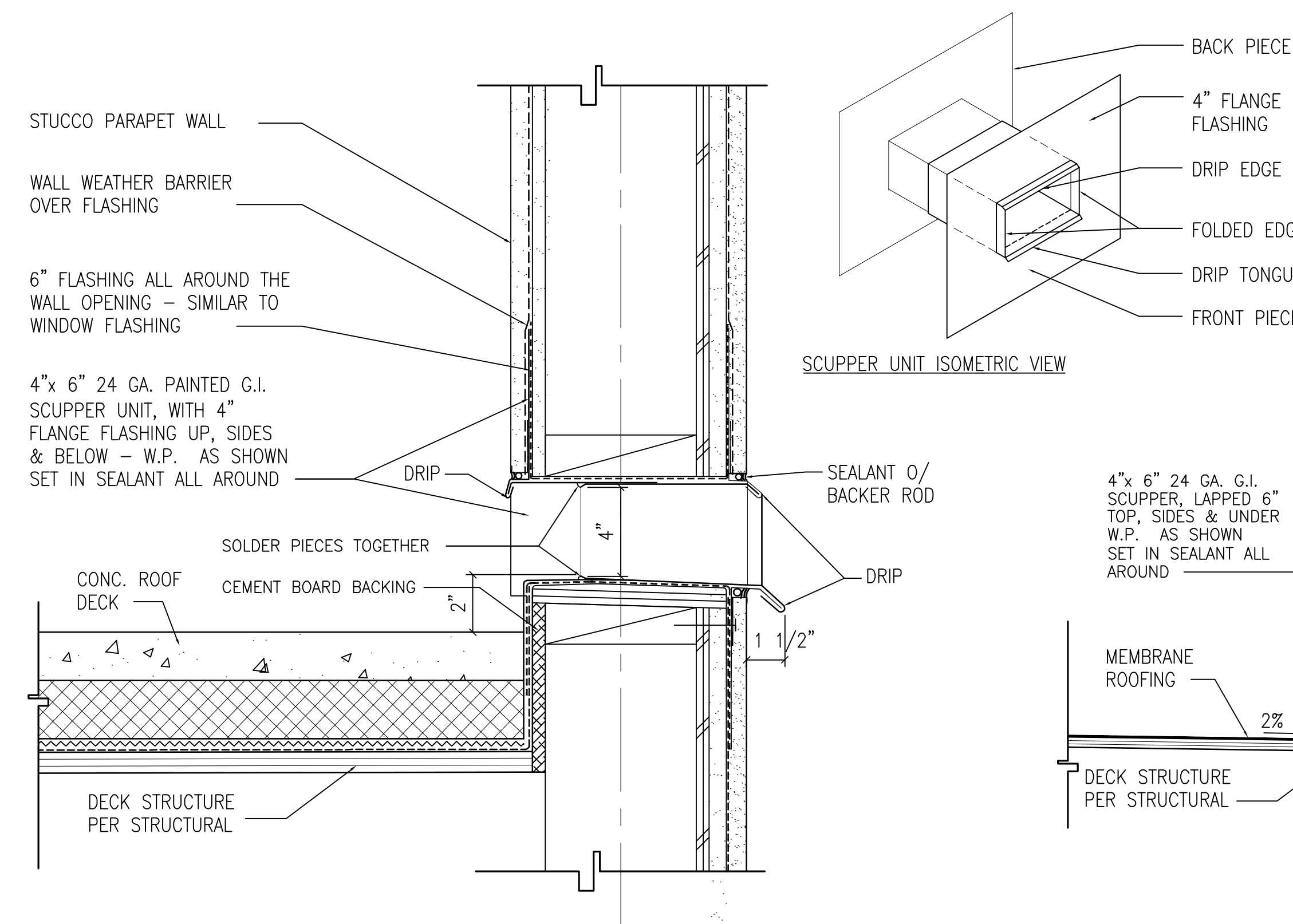
3 PARAPET AND ROOF DRAIN



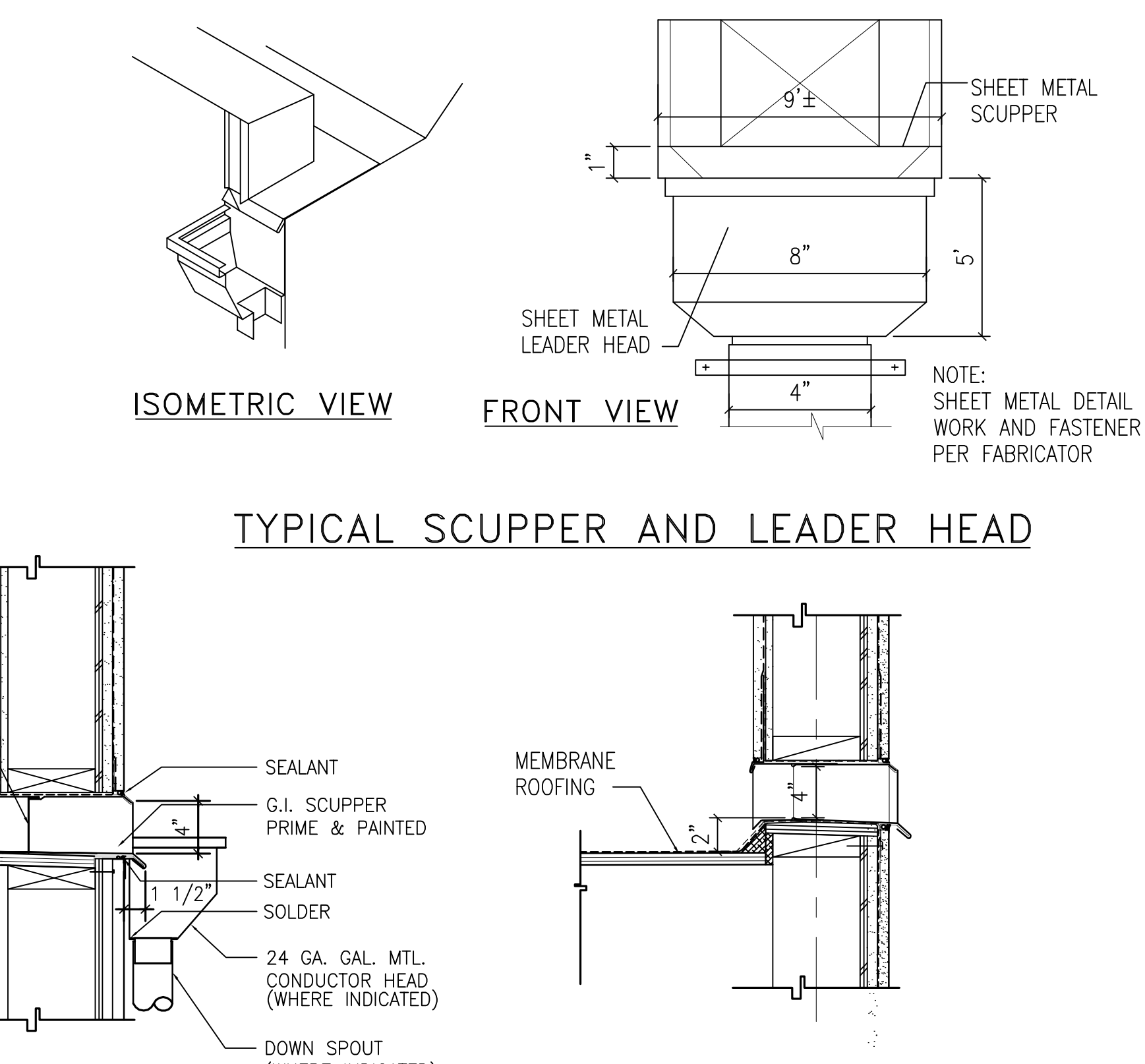
6 ROOFING TO WALL



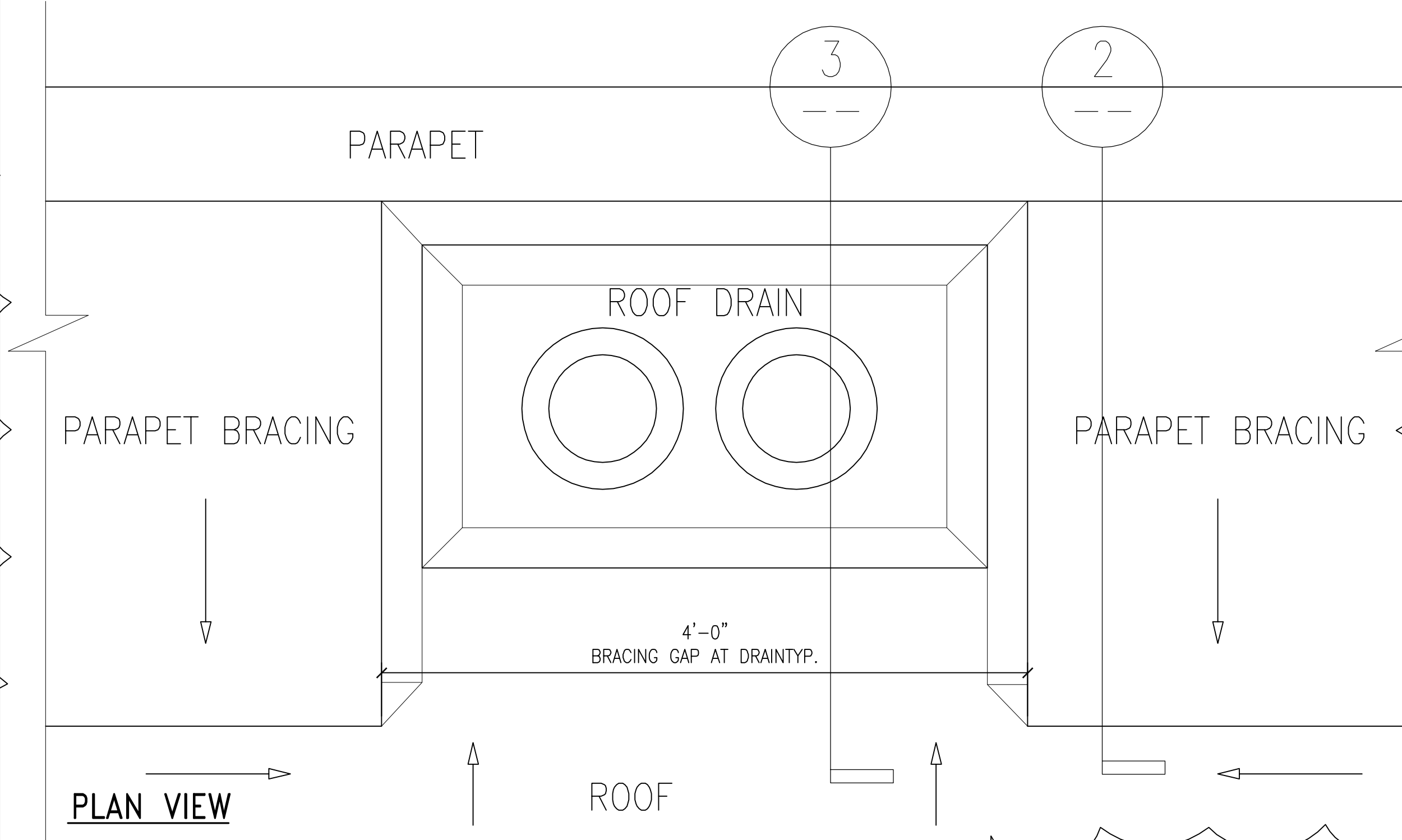
7 PARAPET BRACING GAP AT ROOF DRAIN



5 SCUPPER AND OVER FLOW DETAILS



6 TYPICAL SCUPPER AND LEADER HEAD



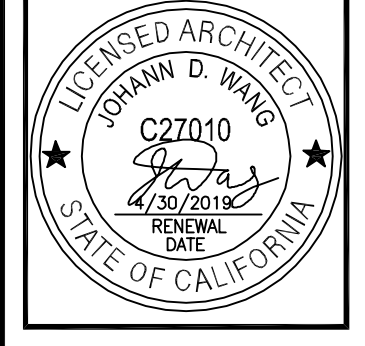
7 PARAPET BRACING GAP AT ROOF DRAIN

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	FD PLAN CHECK	10/31/2017
3	FD PLAN CHECK	12/14/2017
4	COORDINATION	08/11/2018
5	CONSULTANT	08/02/2018
6	PERMITS	01/10/2019

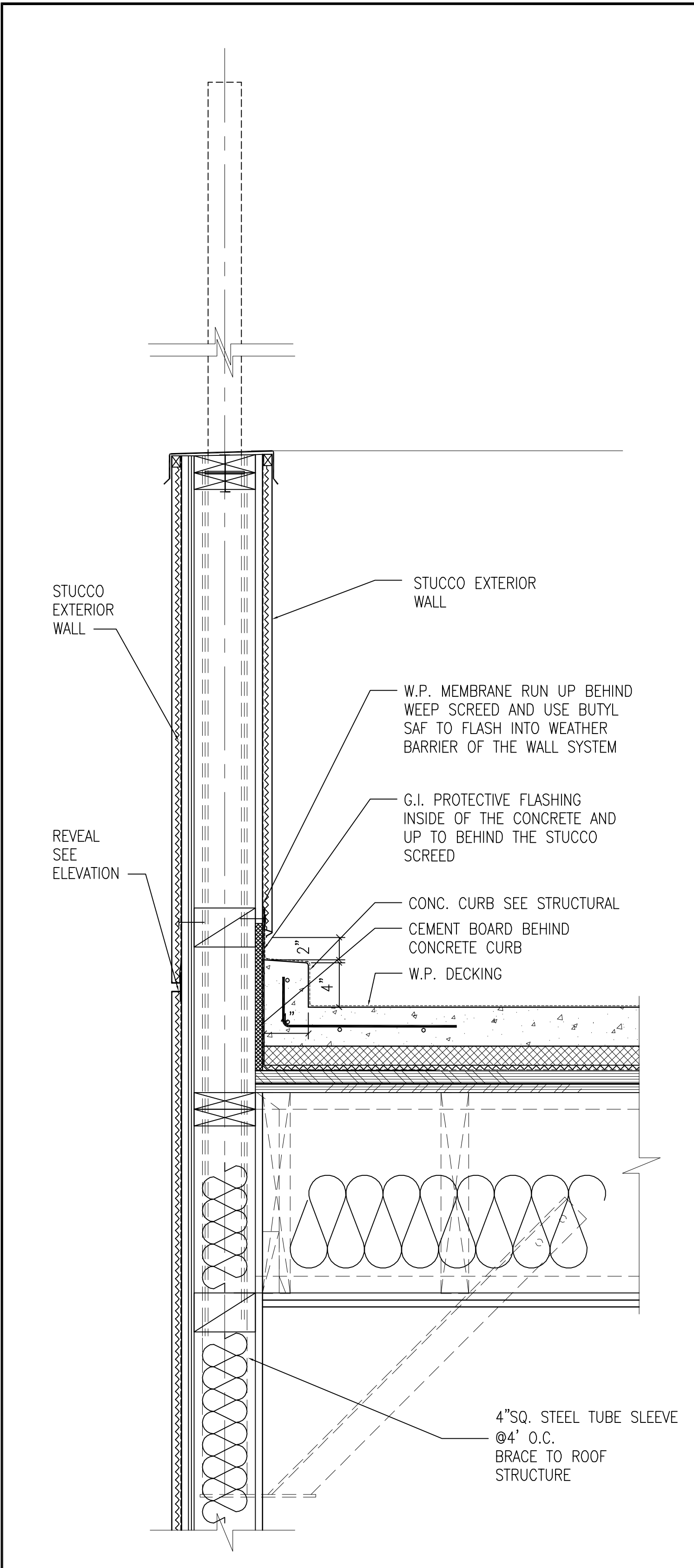


PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	SECTIONS AND DETAILS
DRAWN BY	DATE: 01/10/2019
CHECKED BY	DRAWING SCALE: AS NOTED
APPROVED BY	
DRAWING NUMBER	

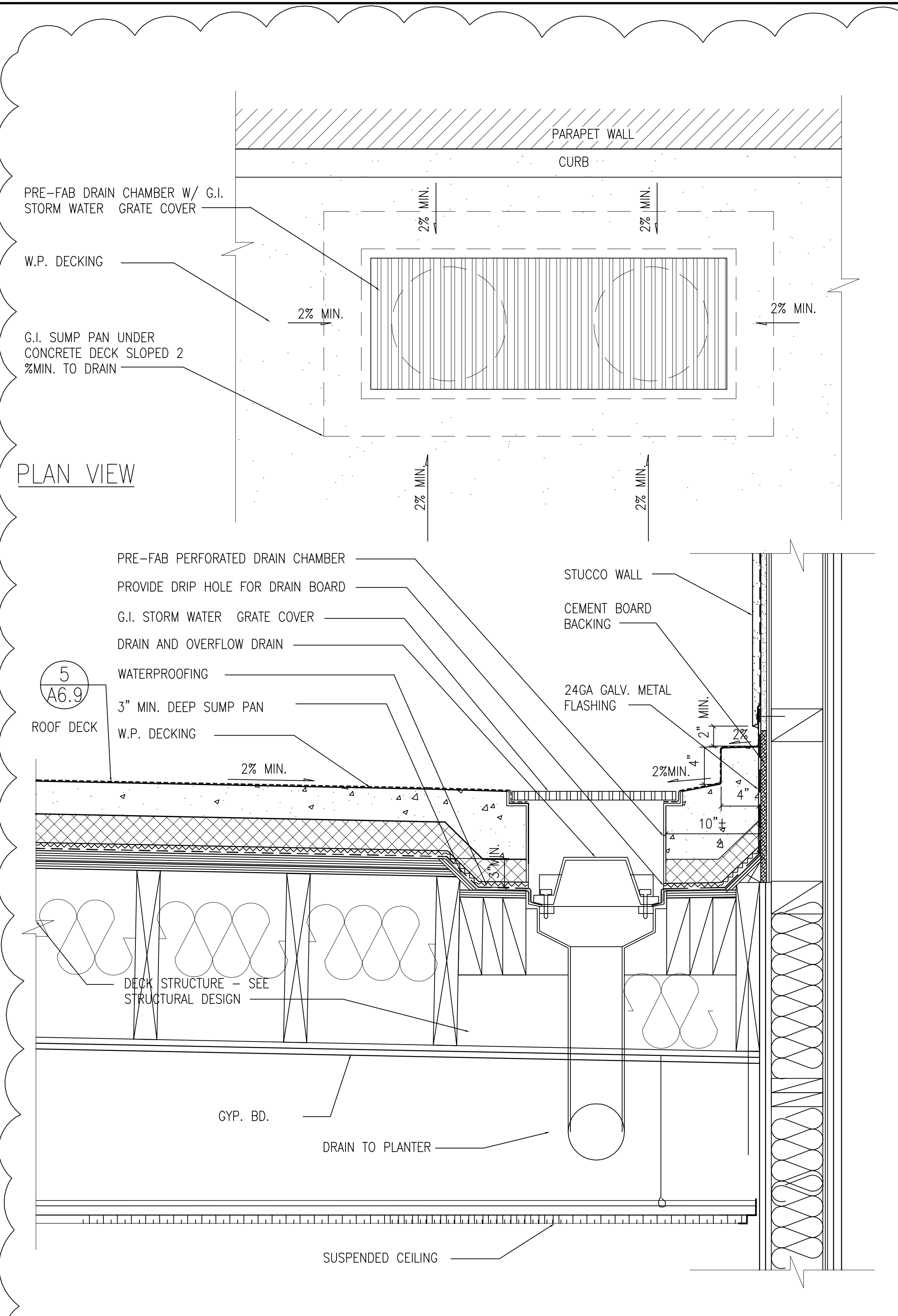
REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	FD PLAN CHECK	10/31/2017
3	FD PLAN CHECK	12/14/2017
4	CONSULTANT	08/02/2018
5	COORDINATION	01/10/2019



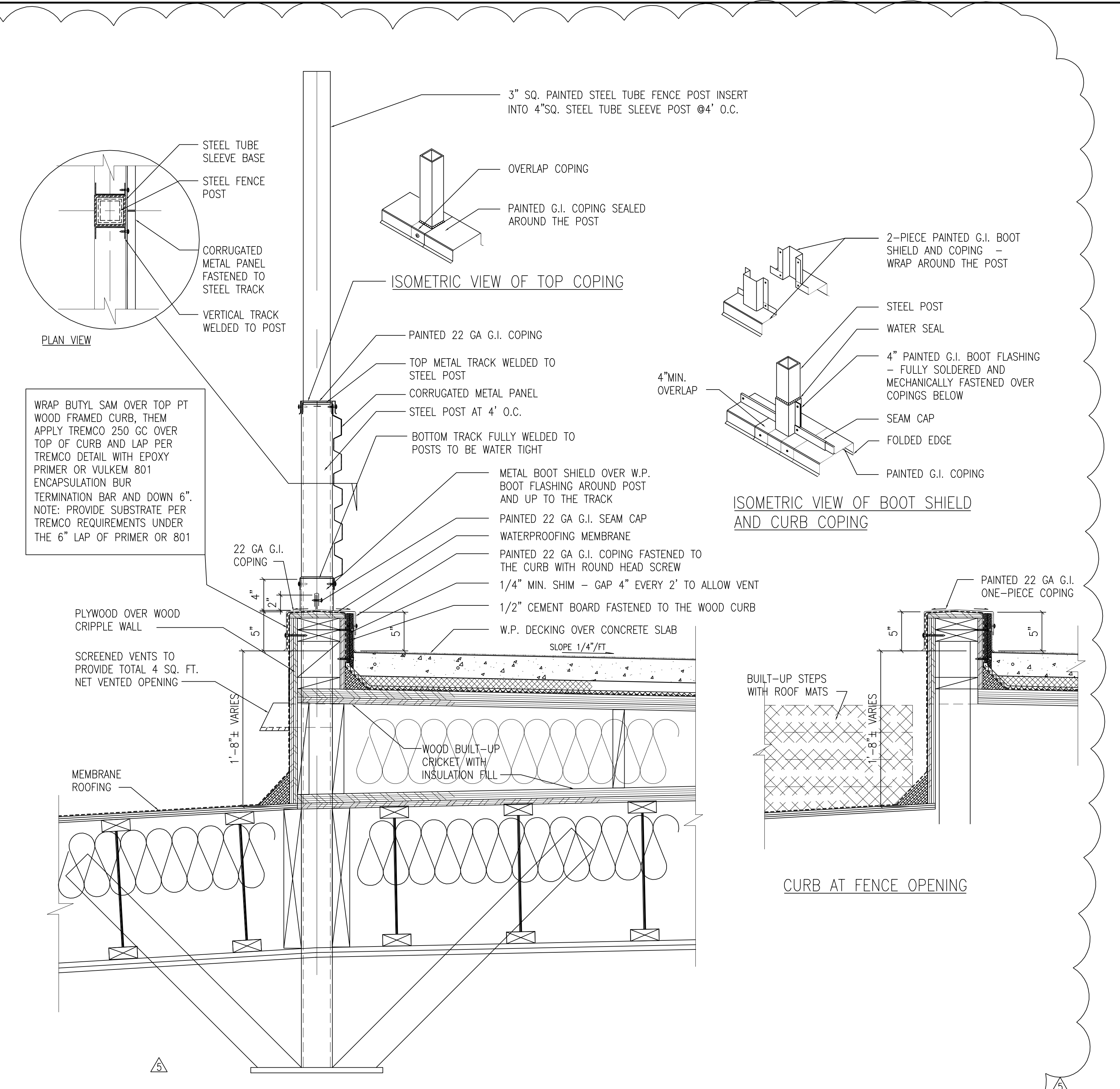
PROJECT NAME	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	SECTIONS AND DETAILS
DRAWN BY	AS NOTED
CHECKED BY	AS NOTED
DATE	01/10/2019



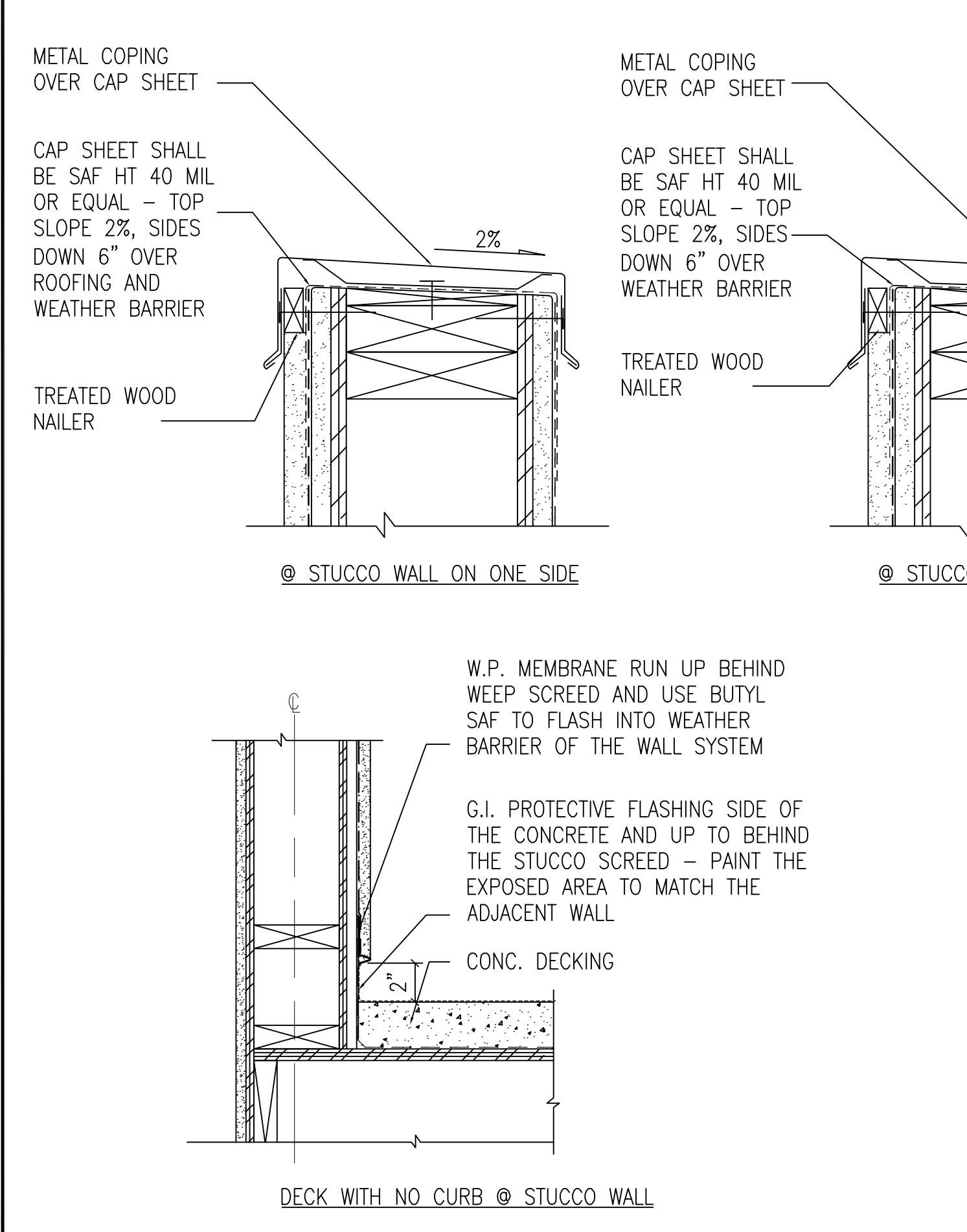
1 ROOF DECK AT PARAPET WALL



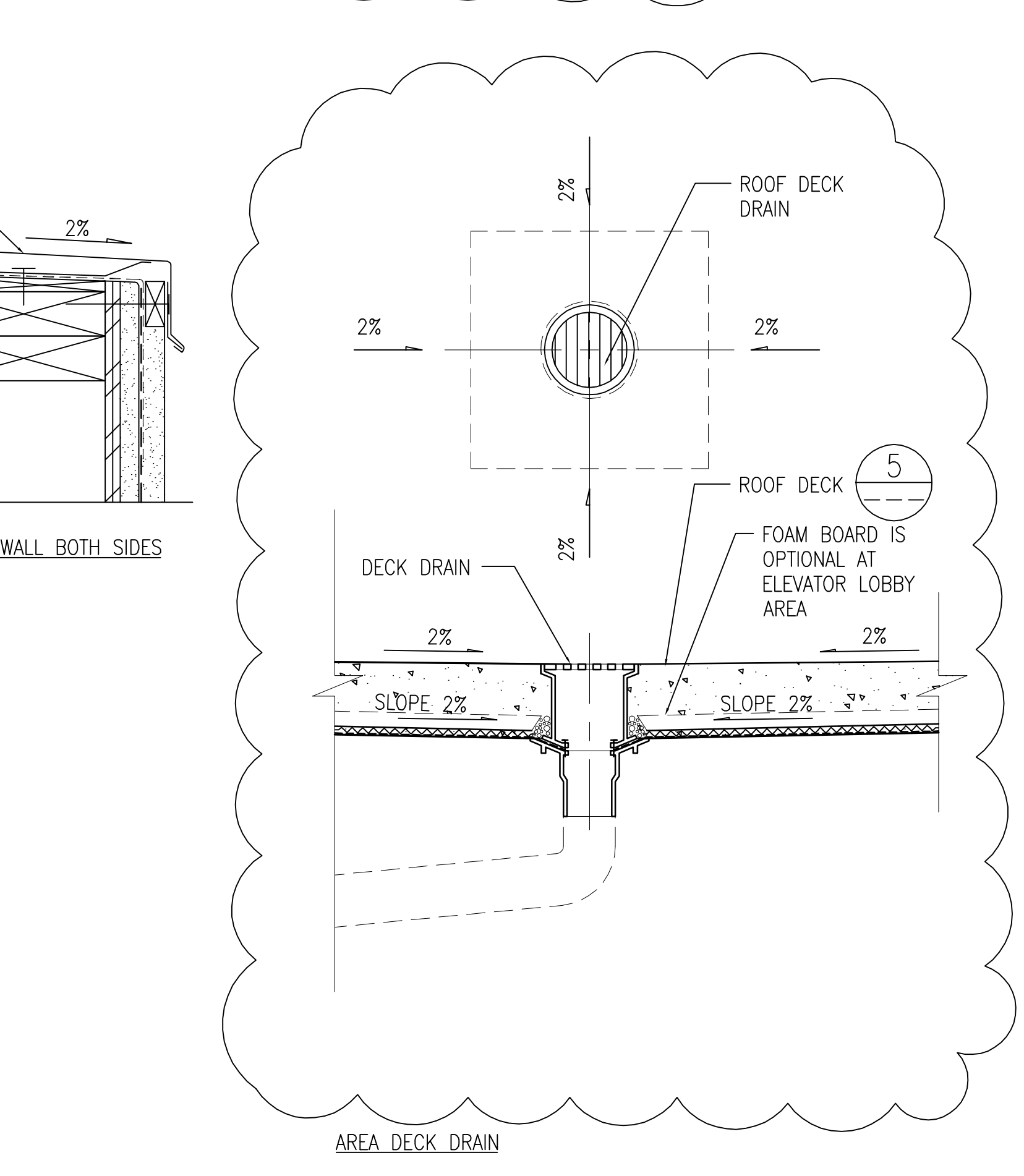
2 DECK DRAIN SIDE AT PARAPET WALL



3 CONC. ROOF DECK AT FENCE WALL



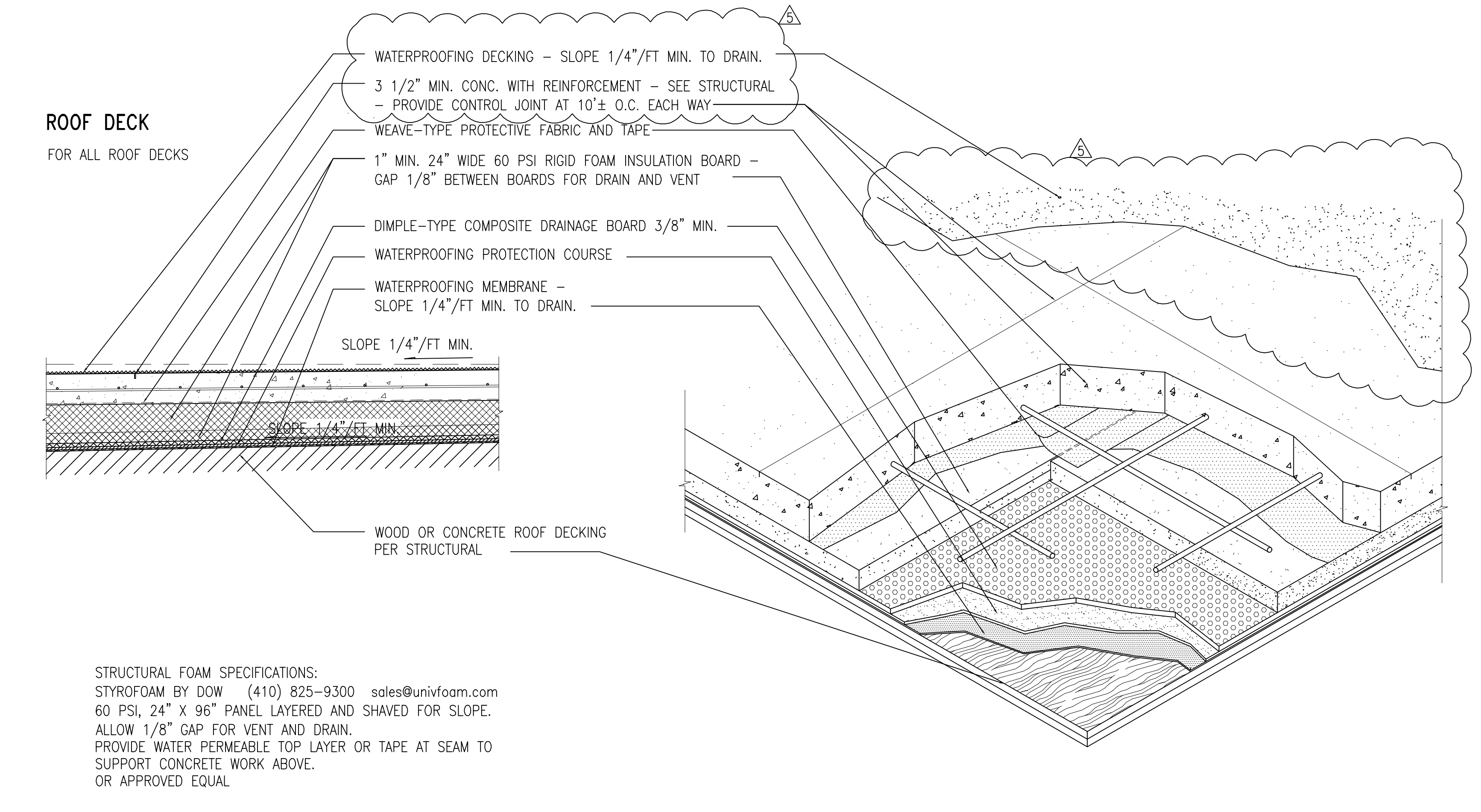
4 TYPICAL WALL AND DECK WATERPROOFING AND DRAIN DETAIL



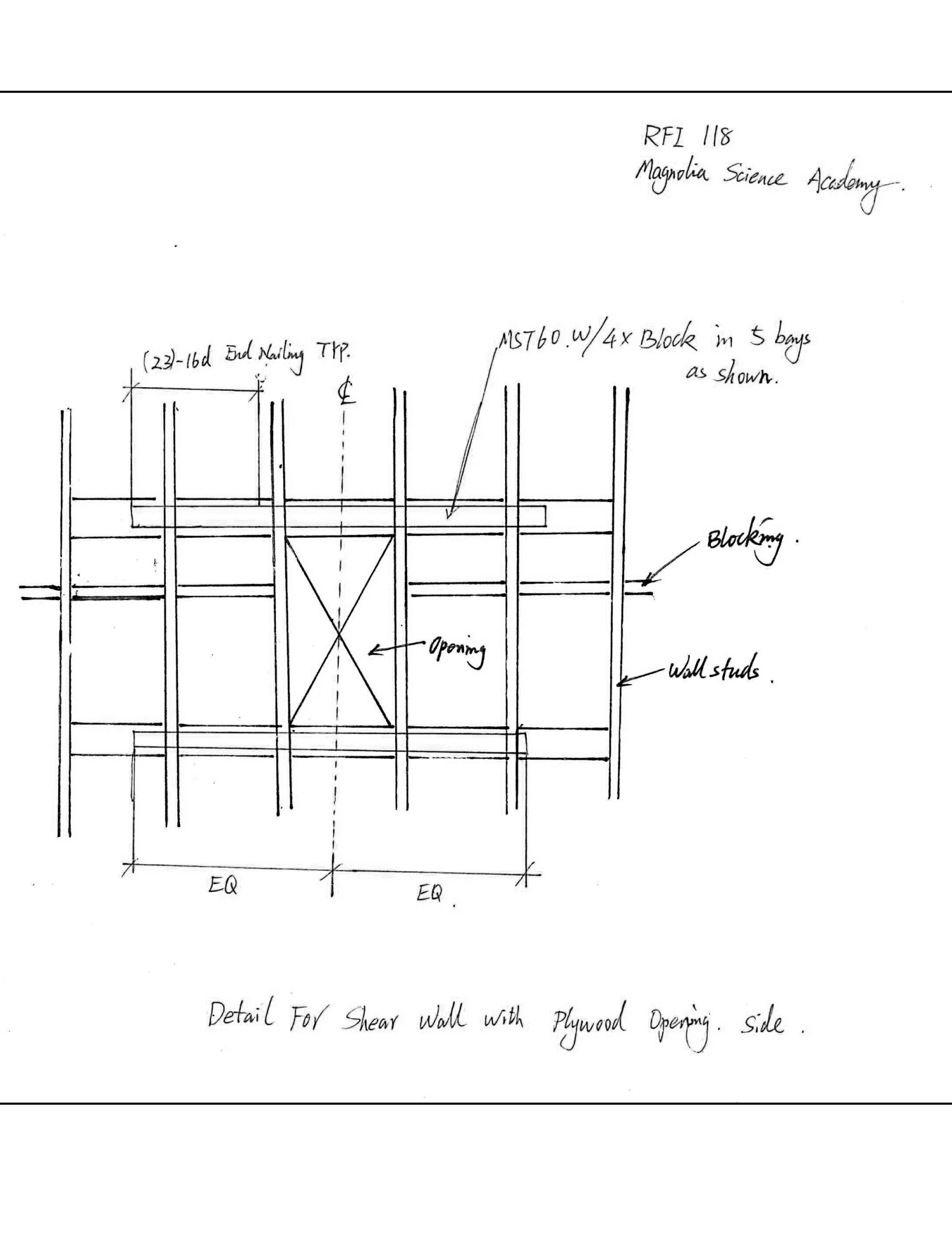
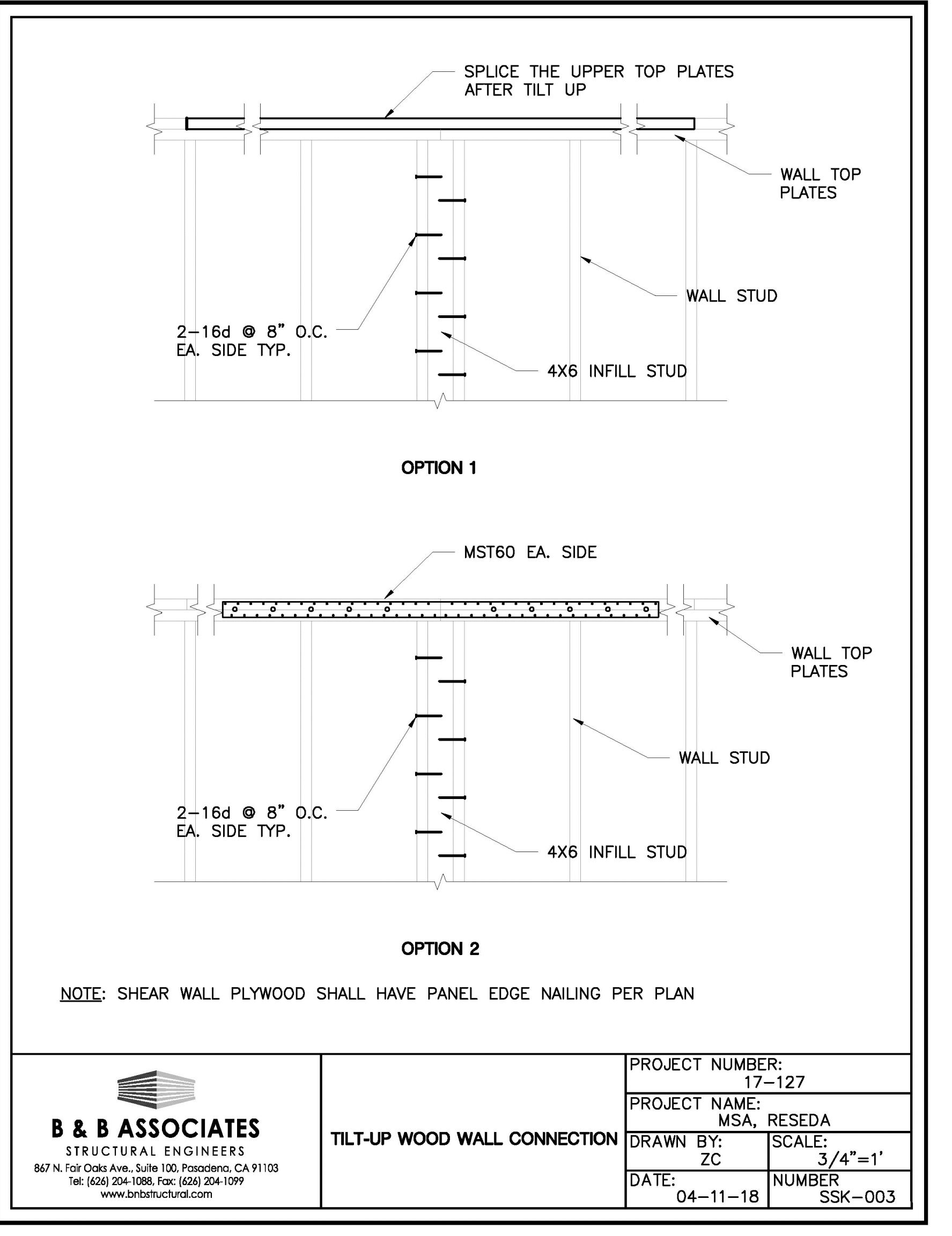
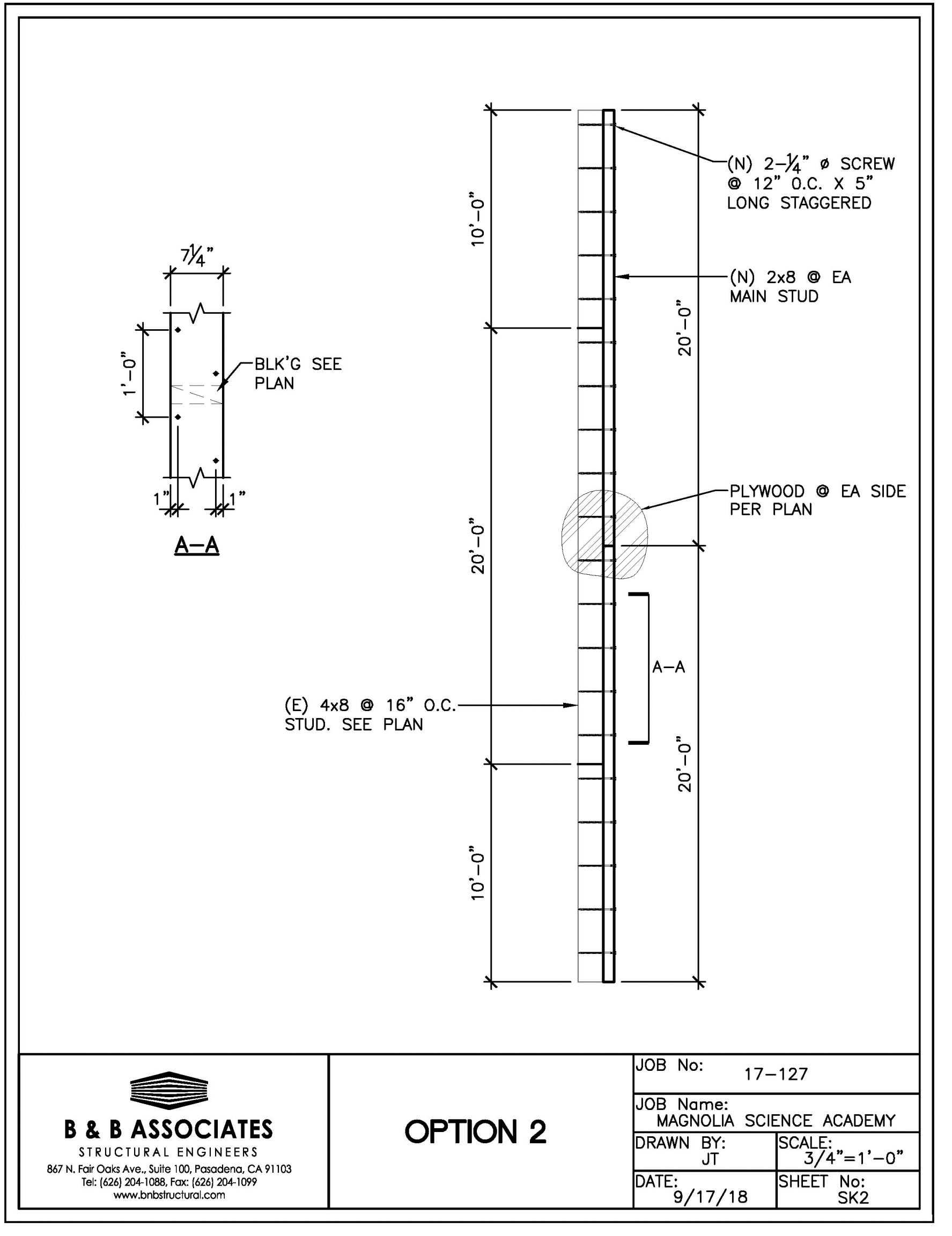
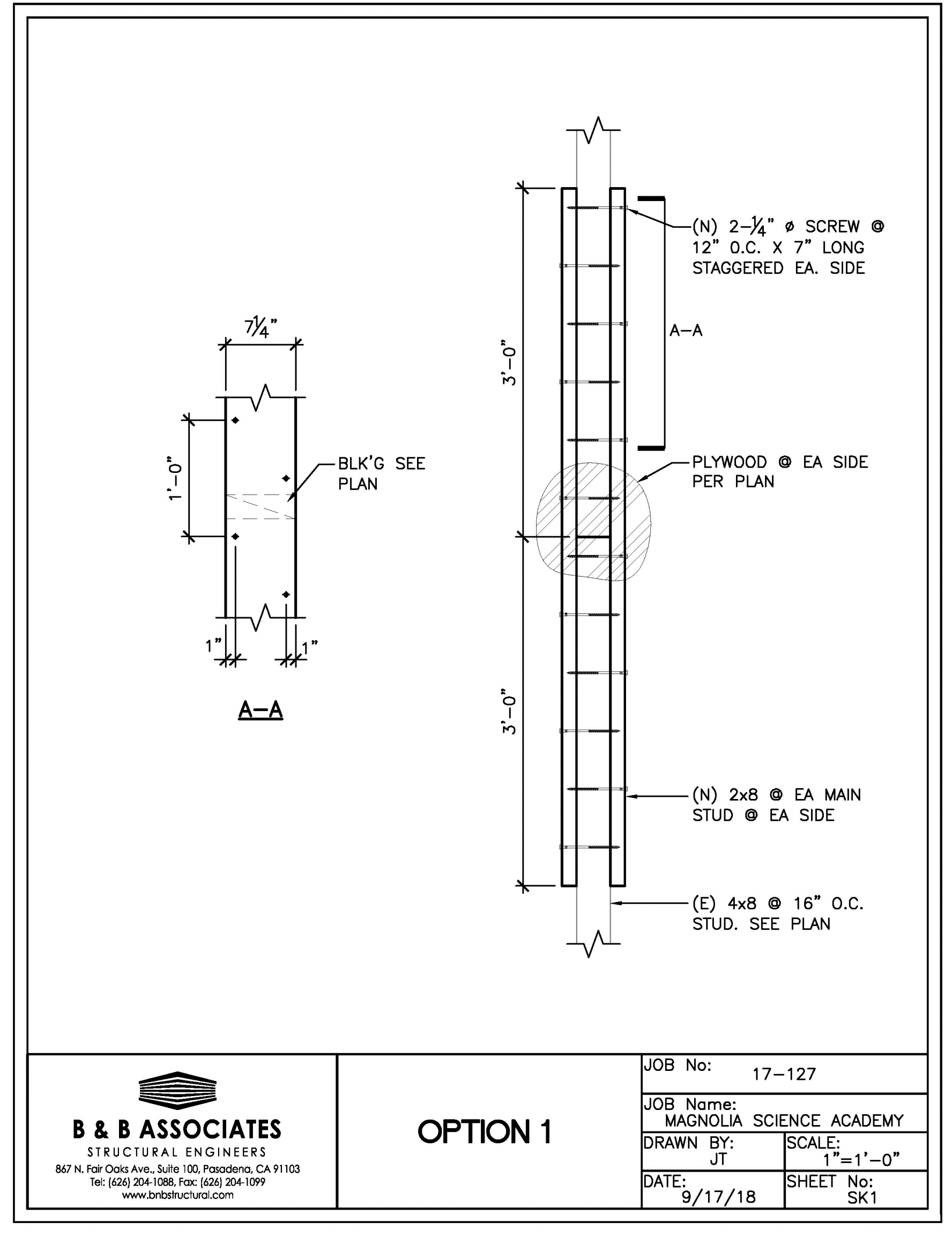
5 CONCRETE ROOF DECK ASSEMBLY

ROOFING MEMBRANE AND DECK WATERPROOFING NOTES:

- ROOFING MEMBRANE AND WATERPROOFING MEMBRANE SHALL HAVE 20 YEAR WARRANTY.
- ROOFING AND WATERPROOFING MEMBRANE SHALL HAVE LARR OR ICC-ES NUMBER.
- ROOFING AND WATERPROOFING MEMBRANE MANUFACTURER SHALL REVIEW, REVISE AND PROVIDE ALL ROOFING AND WATERPROOFING DETAILS AND SUBMIT ALL FINAL SOLUTIONS TO THE ARCHITECT FOR REVIEW.



6 ROOF DECK FOR ALL ROOF DECKS



B & B ASSOCIATES
STRUCTURAL ENGINEERS
867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103
Tel: (626) 204-1088, Fax: (626) 204-1099
www.bnbstructural.com

OPTION 1

JOB No: 17-127
JOB Name: MAGNOLIA SCIENCE ACADEMY
DRAWN BY: JT
DATE: 9/17/18
SCALE: 1/2"=1'-0"
SHEET No: SK1

B & B ASSOCIATES
STRUCTURAL ENGINEERS
867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103
Tel: (626) 204-1088, Fax: (626) 204-1099
www.bnbstructural.com

OPTION 2

JOB No: 17-127
JOB Name: MAGNOLIA SCIENCE ACADEMY
DRAWN BY: JT
DATE: 9/17/18
SCALE: 3/4"=1'-0"
SHEET No: SK2

B & B ASSOCIATES
STRUCTURAL ENGINEERS
867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103
Tel: (626) 204-1088, Fax: (626) 204-1099
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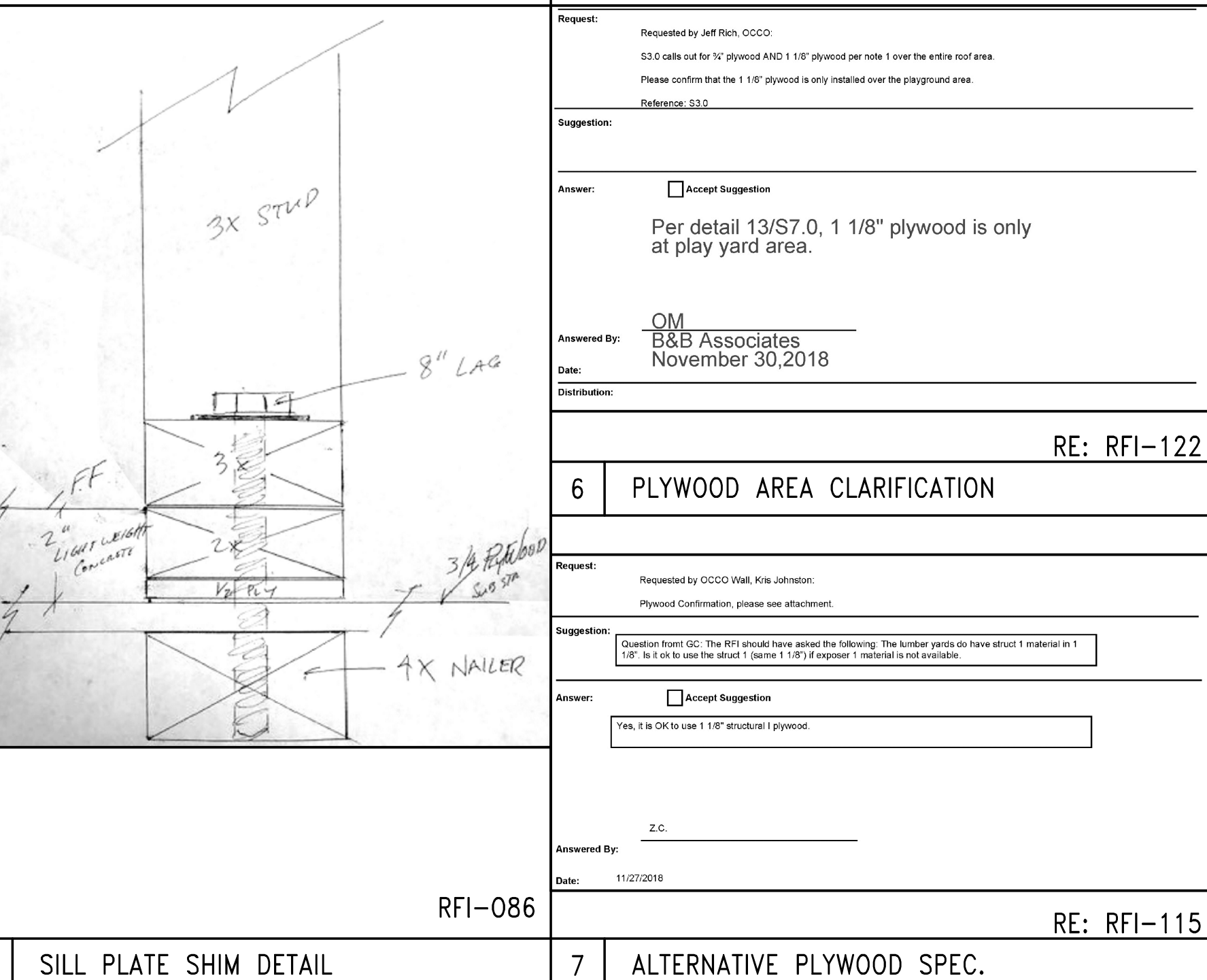
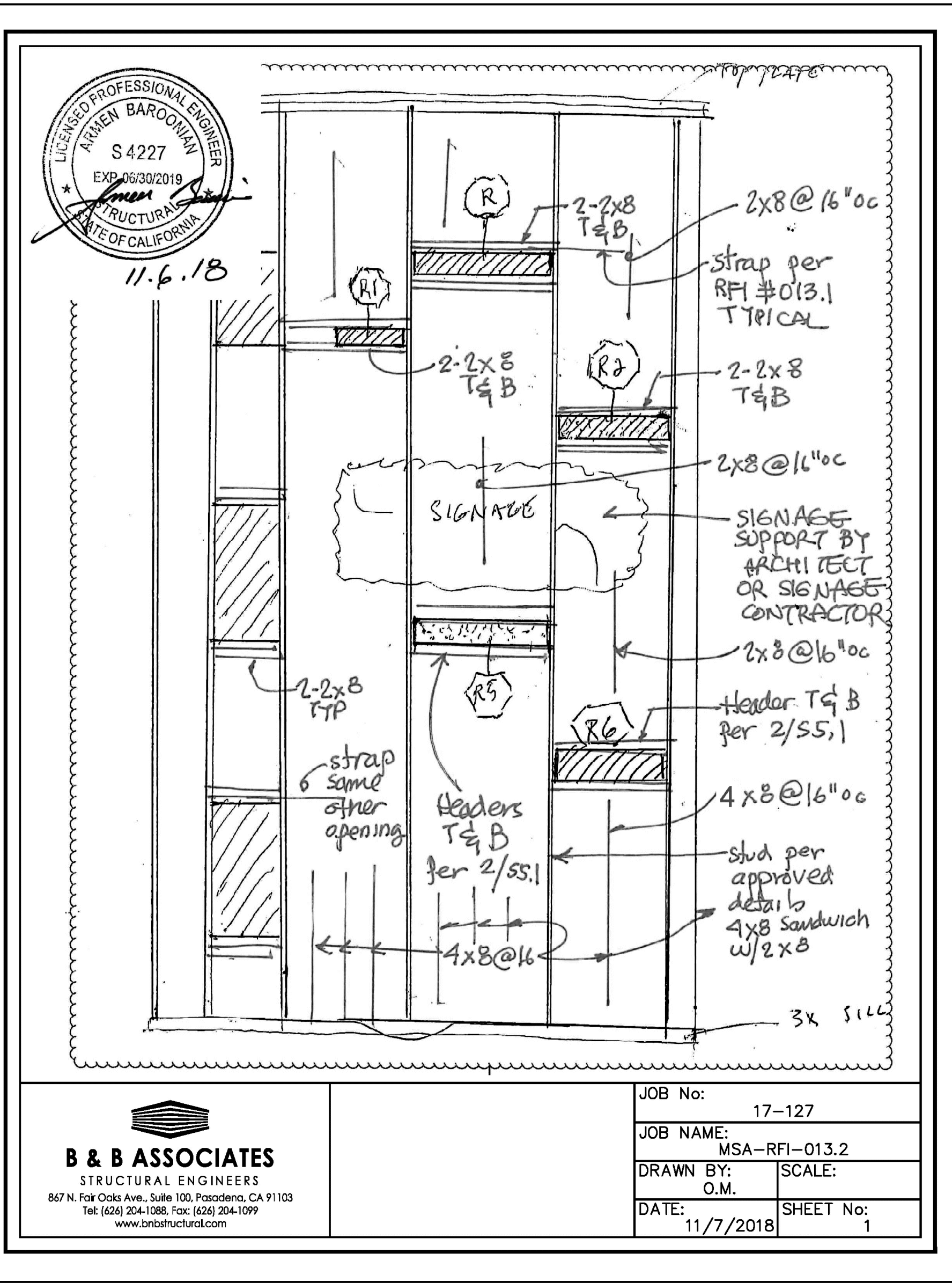
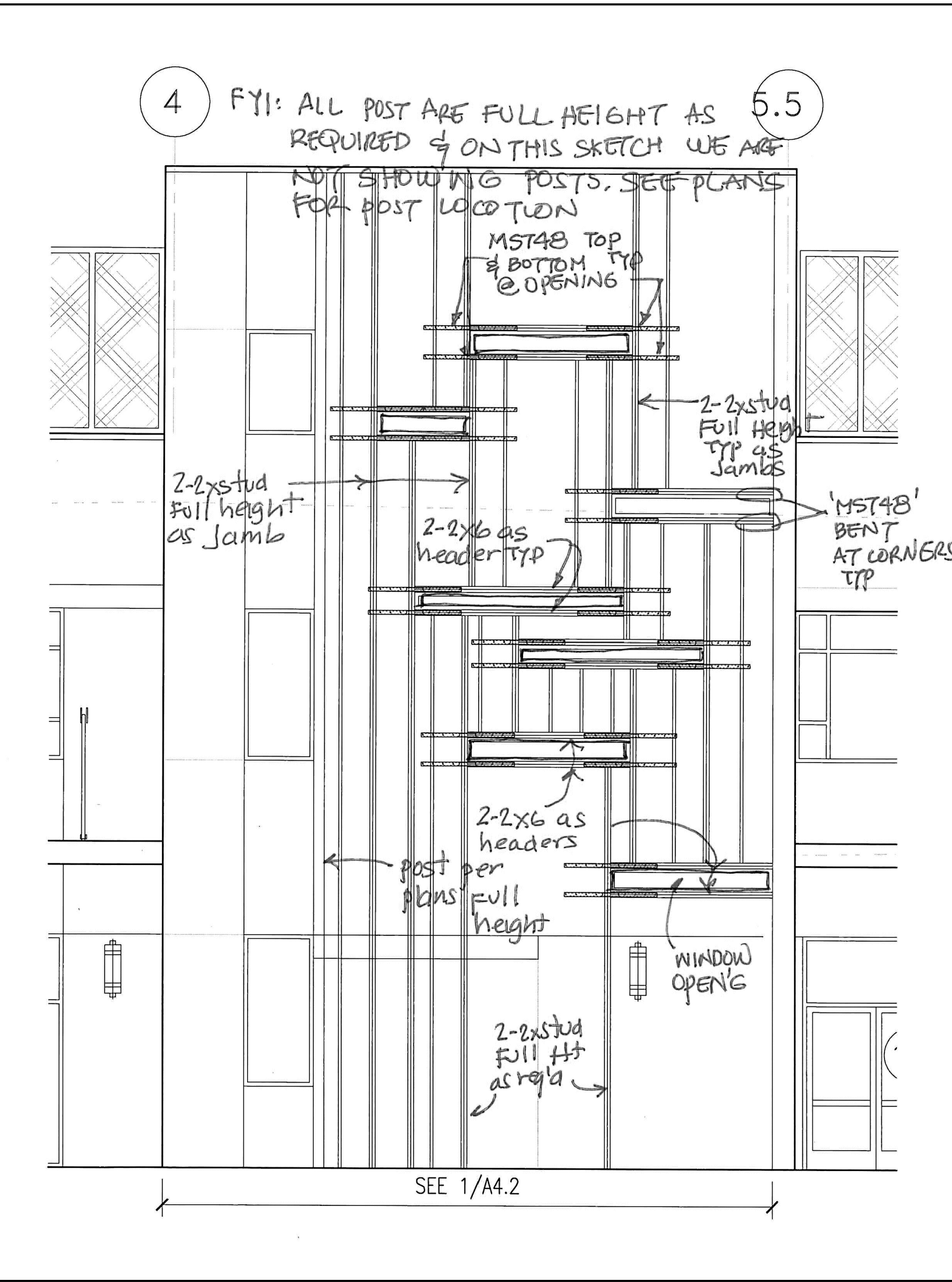
TILT-UP WOOD WALL CONNECTION

PROJECT NUMBER: 17-127
PROJECT NAME: MSA, RESEDA
DRAWN BY: ZC
DATE: 04-11-18
SCALE: 3/4"=1'
NUMBER: SSK-003

1 TYPICAL STUD SPICING DETAIL

2 WALL PANEL CONNECTION DETAIL

3 FIRE EXTINGUISHER OPENING ON SHEER WALL DETAIL



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STAIR-2 SOUTH WALL FRAMING DETAILS

JOB No: 17-127
JOB NAME: MSA-RFI-013.2
DRAWN BY: O.M.
DATE: 11/7/2018
SCALE:
SHEET No: 1

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STRUCTURAL ENGINEERS
867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103
Tel: (626) 204-1088, Fax: (626) 204-1099
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SILL PLATE SHIM DETAIL

JOB No: 17-127
JOB NAME: MSA-RFI-013.2
DRAWN BY: O.M.
DATE: 11/7/2018
SCALE:
SHEET No: 1

B & B ASSOCIATES
STRUCTURAL ENGINEERS
867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103
Tel: (626) 204-1088, Fax: (626) 204-1099
www.bnbstructural.com

PLYWOOD AREA CLARIFICATION

JOB No: 17-127
JOB NAME: MSA-RFI-013.2
DRAWN BY: O.M.
DATE: 11/7/2018
SCALE:
SHEET No: 1

4 STAIR-2 SOUTH WALL FRAMING DETAILS

5 SILL PLATE SHIM DETAIL

6 PLYWOOD AREA CLARIFICATION

RE: RFI-118

RE: RFI-122

6 PLYWOOD AREA CLARIFICATION

Requested by: O.M. (O.M. Kite Johnson)
Prepared: O.M. (O.M. Kite Johnson)
Reviewed: O.M. (O.M. Kite Johnson)
Approved: O.M. (O.M. Kite Johnson)
Date: 11/07/2018

RE: RFI-115

7 ALTERNATIVE PLYWOOD SPEC.

Requested by: O.M. (O.M. Kite Johnson)
Prepared: O.M. (O.M. Kite Johnson)
Reviewed: O.M. (O.M. Kite Johnson)
Approved: O.M. (O.M. Kite Johnson)
Date: 11/07/2018

REF: RFI-013.1 AND RFI-13.2

FRANCO ARCHITECTS INC.
18220 Sherman Way, Suite 100, Reseda, CA 91335
Tel: (818) 704-0000
Fax: (818) 704-0000

B & B ASSOCIATES
STRUCTURAL ENGINEERS
867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103
Tel: (626) 204-1088, Fax: (626) 204-1099
www.bnbstructural.com

MAGNOLIA SCIENCE ACADEMY
18220 SHERMAN WAY, RESEDA, CA 91335

MISCELLANEOUS DETAILS

DATE: 01/02/2019
AS NOTED

S9.0

Change order request for Magnolia Science Academy**Oltmans Construction-Intertek**

01-8-2019

Trevor,

As I had indicated earlier to you and to Patrick, due to conflicts in detailing and changes made in waterproofing Intertek needs to add to its estimated contractual PM allowance relating to waterproofing at the roof of the structure.

Intertek accounting operates on an accrual system requiring a positive allowance amount listed in contractual agreement to bill against. We have exceeded those allowances and must request an additional amount be added to our allowances in the form of a change order to move forward.

I must apologize for not approaching this earlier, but at the time, I was not privy to the accounting for the project as this project was initially handled by another PM.

Construction management time already expended beyond the allowance estimate in the contract is 22+ hours, reviewing changes, details, and suggesting positive solutions. The markup process of the peer review at the roof deck became an ongoing process with little or no response or resolution apparent from the Architect when the peer review was presented.

Additional consulting time was involved working with the Carlisle Syntec team attempting to find a way to obtain a warranty. Carlisle PVC as called out in the contract documents under a topping slab typically is not warranted by Carlisle, unless electronic leak detection is installed, and further, it is not compatible with a BUR asphaltic product.

Intertek also presented multiple combinations of products that would be of benefit to the PE functionality at the roof and be plausible solutions to waterproof the roof areas:

1. A flat surfaced usable P.E. deck with pavers over an accessible sloped single membrane system.
2. Providing tapered insulation below the slab at roof deck to provide a more acceptably (less) sloped concrete slab play surface, while providing the necessary height at the juncture with the BUR to fulfill warranty requirements for that product.

With our contractual agreement being with the General Contractor Oltmans Construction, their communication has been beyond adequate, however communication has been relatively infrequent, or less, with the Architect.

Intertek typically has not been informed of or consulted regarding proposed changes in the waterproofing of the roof. Our last meeting (December 2018) for example, was the first Intertek was informed of proposed use of TREMCO 250 GC beneath the topping slab (there had been no contact from the Architect since the previous pre-con meeting). (Our contact was with Oltmans, however we copy our comments to Johann at Franco Architects.)

Their choice of a polyurethane membrane unfortunately did not consider or resolve the BUR contractor's concern regarding their warranty requirements, which typically requires an 8" curb to terminate, with the contractor hesitant to accept a transitional detail provided by Tremco between the two "incompatible materials". We discussed several options at the meeting, that could work. The resultant solution of the meeting was to have Franco Architects deliver a series of option drawings the following Friday to all for review.

Magnolia Science Academy Change Order Options**Intertek Building Science Solutions**

Change order request for Magnolia Science Academy

Oltmans Construction-Intertek

01-8-2019

Intertek was again not included in the distribution of the Architect's Option drawings. When we didn't receive the option drawings on the scheduled Friday, I contacted Trevor for an update the following Monday, and was forwarded the drawings. Those drawings were reviewed with comments made by Intertek and returned to Trevor for distribution. Project Management time required for this review was included in the 22+hours amounting to \$3386 already expended beyond the contracted allowance amount.

We request a change order increasing the PM allowance by \$4886 to cover the already expended time (\$3386) and including an allowance amount of \$1000 (5.75 hrs) for the upcoming review of the B-1 Bulletin coming from the Architect.

We have just been forwarded Thursday 17th, at 5 PM, the Architect's Bulletin 4 & 5. It was issued the previous Friday by the Architect, with a return date for comments to be completed by Monday 21 January, which is today.) I will be requesting additional time from the Architect for presenting review comments.

Additional project management costs associated with the review of Bulletin 4 & 5 will be billed hourly against our change order allowance listed above and will begin upon approval of this request for change order. Hourly allowance amounts are only billed for if utilized, and any remaining amount in the allowances remain with Oltmans.

An alternate solution to creating a change order, could be: pay the \$3886 as Additional Services performed, and any forthcoming time spent in review of the B-1 Bulletin, billed out at the standard rate for services, per contract, with review of the Bulletin 4&5 being payable upon receipt of billing.

We have two very important quality assurance site visits yet to occur during the roof construction, providing observation and resulting logs per contract. This roofing assembly is extremely important to the longevity of the building. Due to the urgency of schedule, please respond asap.

Best regards,



Richard Anthony Moren

Project Manager

Intertek

Building Science Solutions

Building and construction

Lake Forest, CA 92630

richard.moren@intertek.com

Magnolia Science Academy Change Order Options

Intertek Building Science Solutions



Change Request

To: TREVOR LAWTON
 OLTMANS CONSTRUCTION
 10005 MISSION MILL RD.
 WHITTIER, CA 90601
 Ph: 562-948-4242 Fax: 562-695-9267

Number: 6
Date: 1/24/19
Job: 1-477 Magnolia Science Center
Phone:

Description: INSTALLATION OF SELF - ADHERED UNDERLAYMENT BENEATH THE COPING CAP ON THE PLAYGROUND DECK
 Reason: Field Condition
 Initiated by: JEFF RICH (OLTMANS CONSTRUCTION)

We are pleased to offer the following specifications and pricing to make the following changes:

TO FURNISH AND INSTALL SELF - ADHERING UNDERLAYMENT 300' BENEATH THE COPING CAP ON THE PLAYGROUND DECK.

Work performed by us:				
Description	Quantity	Unit	Unit Price	Price
SELF-ADHERING UNDERLAYMENT 300'	5.00	ea	\$132.00	\$660.00
LABOR - INSTALLATION 2DAYS 2GUYS	24.00	hrs	\$65.00	\$1,560.00
			Subtotal:	<u>\$2,220.00</u>
			Subtotal:	\$2,220.00
		MATERIAL TAX	\$660.00 9.00%	\$59.40
		O H & p	\$2,279.40 10.00%	\$227.94
			Total:	<u>\$2,507.34</u>
The schedule will be TBD.				
If you have any questions, please contact me at 951-284-3456.				

Submitted by: ANJ ARZAGA
 ARMSTRONG & ACEVES COMPANY

Approved by: _____
 Date: _____

Cc: TOM GALAN (ARMSTRONG & ACEVES, JAY ARZAGA (ARMSTRONG & ACEVES COMPANY)



Change Request

To: TREVOR LAWTON
 OLTMANS CONSTRUCTION
 10005 MISSION MILL RD.
 WHITTIER, CA 90601
 Ph: 562-948-4242 Fax: 562-695-9267

Number: 5R1
Date: 1/23/19
Job: 1-477 Magnolia Science Center
Phone:

Description: COST IMPACT PER BULLETIN 4 & 5

We are pleased to offer the following specifications and pricing to make the following changes:

PER BULLETIN 4 & 5 PLAN PAGES A 3.1, A6.8/2 , A6.9/3

ADDED 24GA. SHOP FABRICATED DOMER VENTS AS PER A 6.8/2
 ADDED 24GA. PREFINISH EXPOSED FASTENER 7.2 CORRUGATED PANELS AS PER A 6.9/3 MECHANICALLY ATTACHED TO STRUCTURAL FRAMING INSTALLED BY OTHERS.
 TRIMS FOR PANELS (30')

Work performed by us:				
Description	Quantity	Unit	Unit Price	Price
PREFINISH 24GA. EXPOSED FASTENER 7.2 CORRUGATED PANELS	100.00	sqft	\$16.00	\$1,600.00
24GA. GALVANIZED SHOP FABRICATED DOMER VENTS	15.00	ea	\$295.00	\$4,425.00
PREFINISH TRIMS FOR PANELS/FENCE	30.00	lf	\$14.00	\$420.00
FASTENERS	1.00	lot	\$50.00	\$50.00
FREIGHT	1.00	lot	\$125.00	\$125.00
PACKAGING	1.00	lot	\$100.00	\$100.00
			Subtotal:	\$6,720.00
			Subtotal:	\$6,720.00
	MATERIAL TAX		\$6,495.00 9.00%	\$584.55
	OH & P		\$7,304.55 10.00%	\$730.46
			Total:	\$8,035.01

If you have any questions, please contact me at 951-284-3456.

Submitted by: ANJ ARZAGA
 ARMSTRONG & ACEVES COMPANY

Approved by: _____
 Date: _____

Cc: TOM GALAN (ARMSTRONG & ACEVES, JAY ARZAGA (ARMSTRONG & ACEVES COMPANY)



Change Request

To: TREVOR LAWTON
 OLTMANS CONSTRUCTION
 10005 MISSION MILL RD.
 WHITTIER, CA 90601
 Ph: 562-948-4242 Fax: 562-695-9267

Number: 3
Date: 10/30/18
Job: 1-477 Magnolia Science Center
Phone:

Description: RFI #052 Deductive Coping at CMU Top

We are pleased to offer the following specifications and pricing to make the following changes:
 Please see attached credit for coping at CMU top.

Work performed by us:				
Description	Quantity	Unit	Unit Price	Price
24GA Galvanized	5.00	sheet	\$-38.00	\$-190.00
Shop Labor	4.00	hr	\$-45.00	\$-180.00
Coping Installation Labor	16.00	hr	\$-65.00	\$-1,040.00
			Subtotal:	\$-1,410.00
			Subtotal:	\$-1,410.00
	Tax	\$190.00	-9.00%	\$-17.10
			Total:	\$-1,427.10

If you have any questions, please contact me at 951-284-3456.

Submitted by: Michael Vides
 ARMSTRONG & ACEVES COMPANY

Approved by: _____
 Date: _____



CONSTRUCTION CO.

10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

REQUEST FOR INFORMATION

RFI-052

SUBJECT: Galvanized Metal Flashing on Exterior CMU Wall Confirmation
PROJECT: Magnolia Science Academy
TO: Etmny Cornejo
Franco Architects Inc.
FROM: Olivia Sanchez
Oltmans Construction Co.

DATE: 08/01/2018
PROJECT NO.: 18049
REQUIRED: 08/06/2018
COST IMPACT: POTENTIALLY
DAYS IMPACT: POTENTIALLY

Co-Author: **Contact:** **Co-Author RFI Number:**

Request:

Refer to: 1/D2.0

Please confirm it is acceptable to pour the concrete swale from wall to wall with the existing building, omitting the 24 ga. metal flashing. If so, please also confirm that the new block wall and the existing block wall are to be painted with Elastomeric "Enduralistic 10", extending at least 10" up from swale.

-

Suggestion:

Answer: **Accept Suggestion**

PROPOSED ARE CONFIRMED.

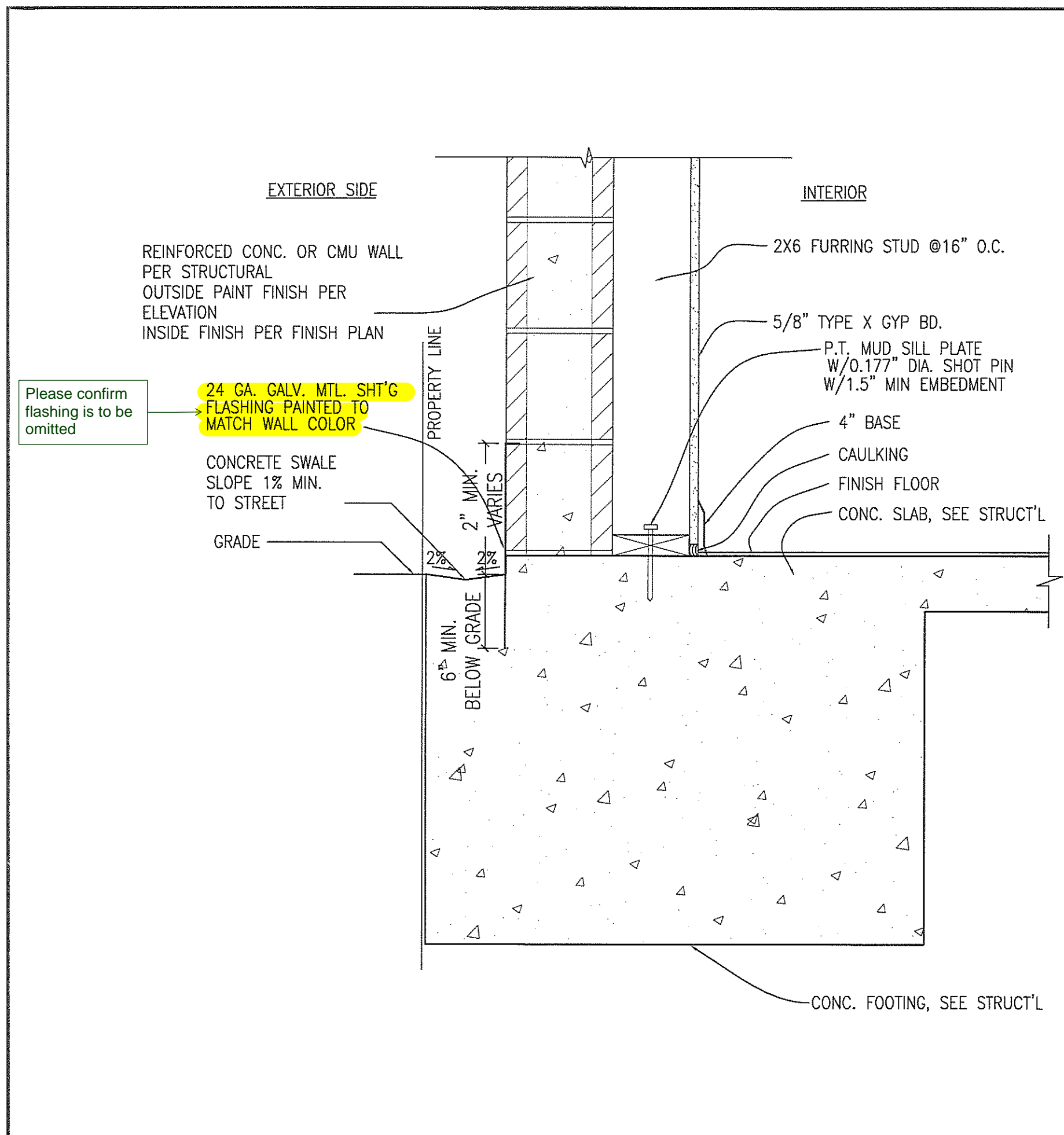
Johann Wang

Answered By: _____

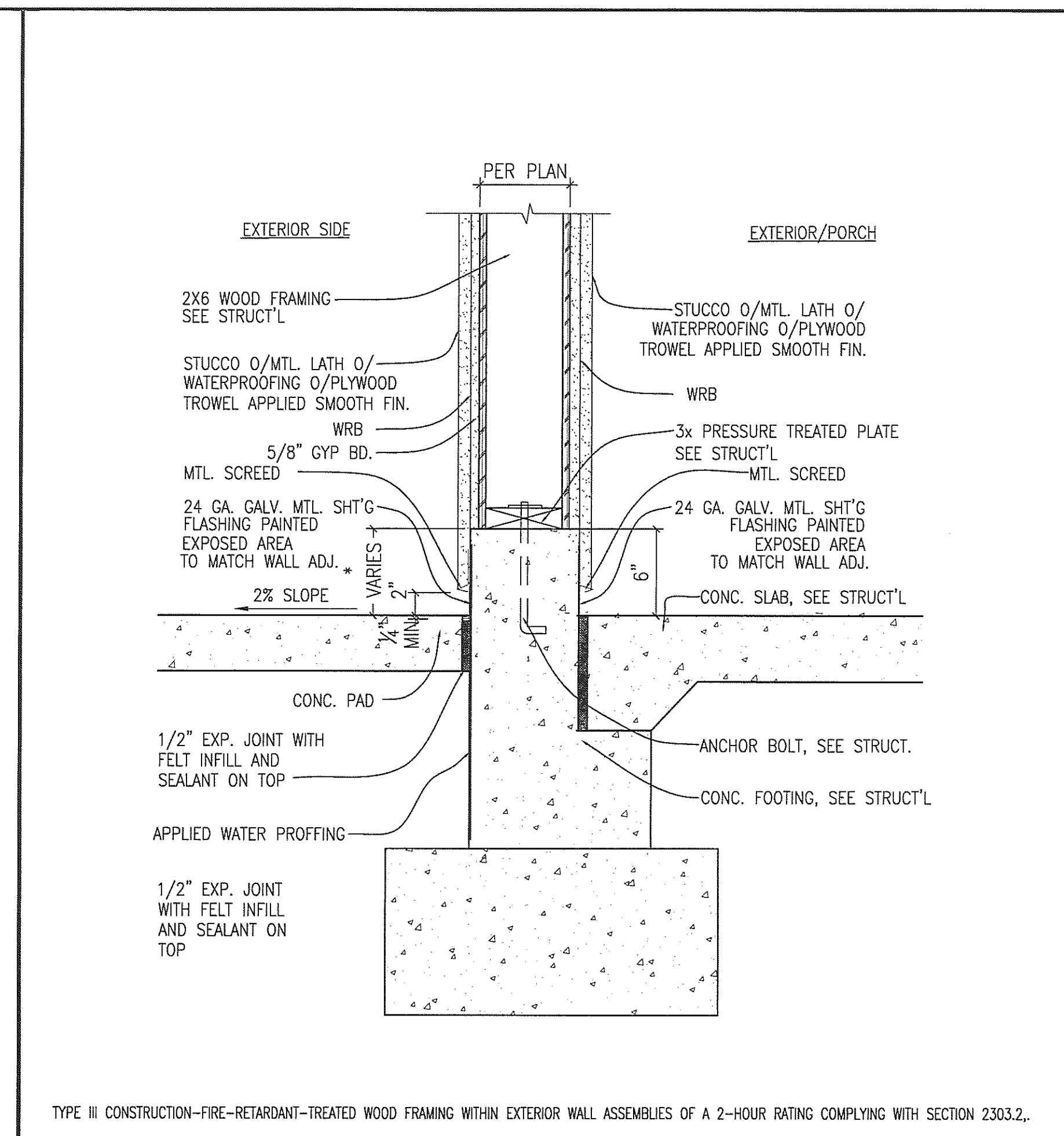
Date: 8/13/2018

Distribution:

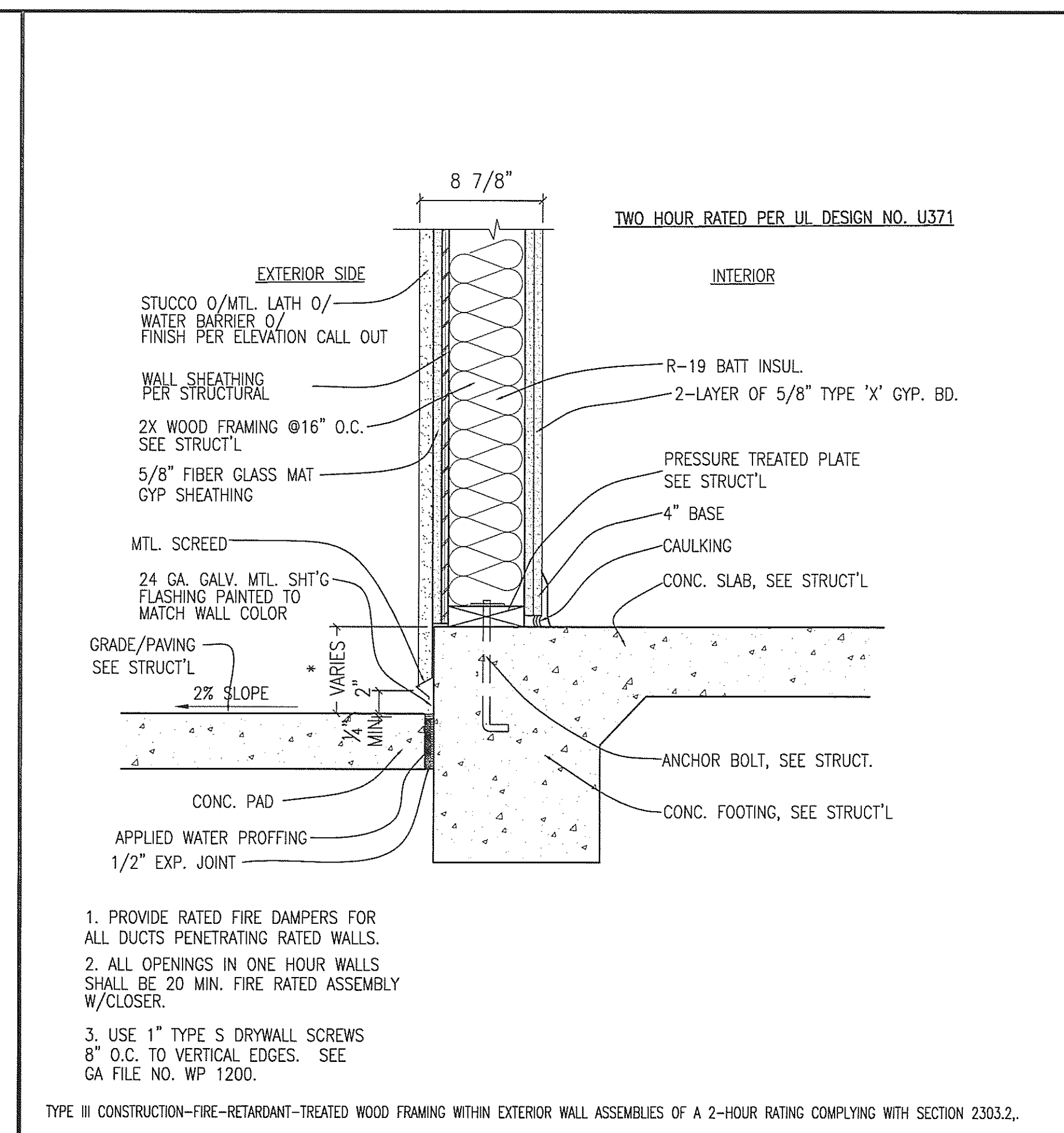
Contact	Company
Devin Ulibarri	Oltmans Construction Co.
Jeff Rich	Oltmans Construction Co.
Johann Wang	Franco Architects Inc.
Karen Montalvo	Franco Architects Inc.
Stephanie Liu	Franco Architects Inc.
Sarineh Minasian	Franco Architects Inc.
Tim Buresh	Magnolia Educational and Research Foundation



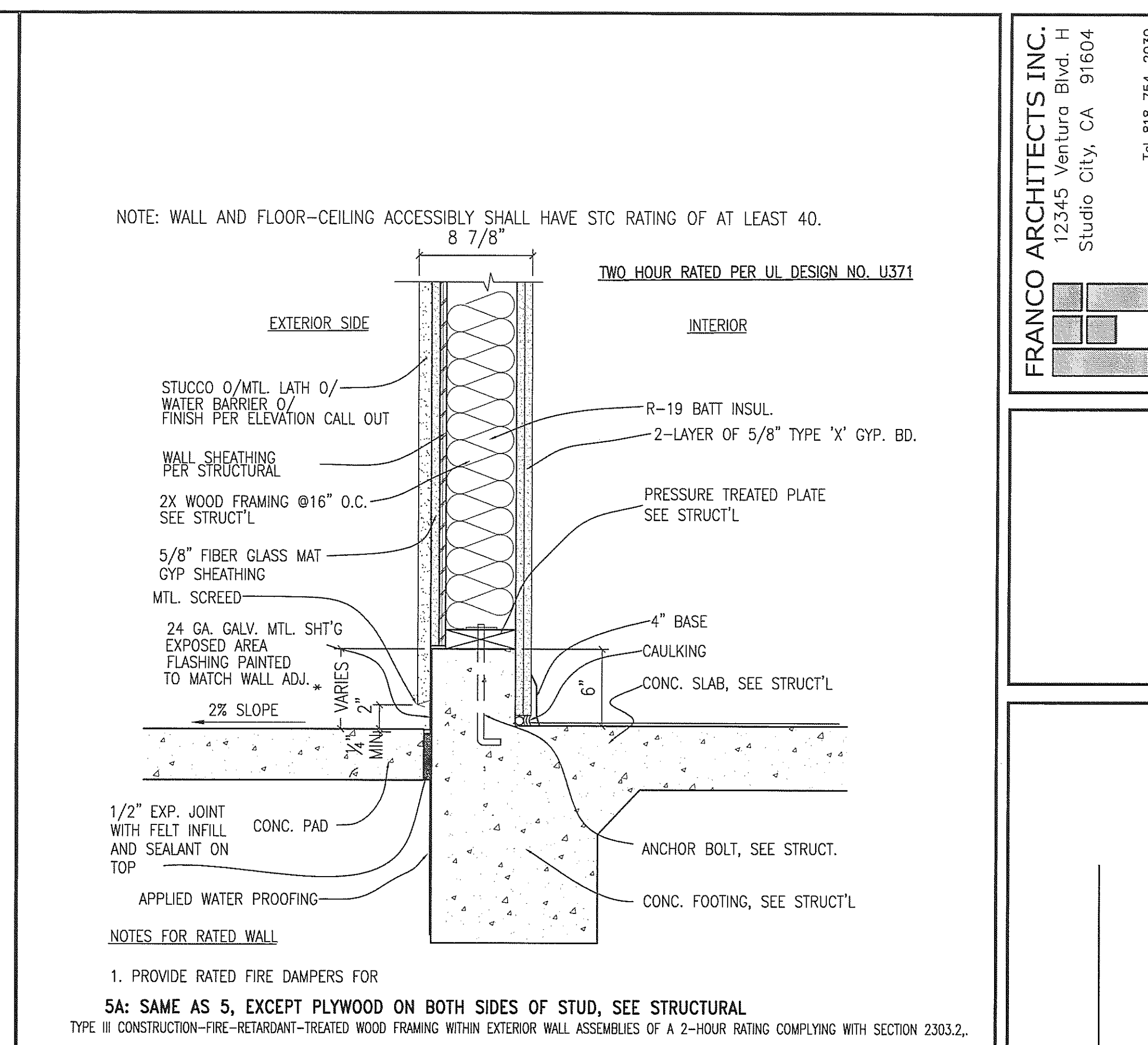
1 2-HR EXTERIOR CONC./CMU WALL W/FURRING STUD
SCALE: 1 1/2"=1'-0"



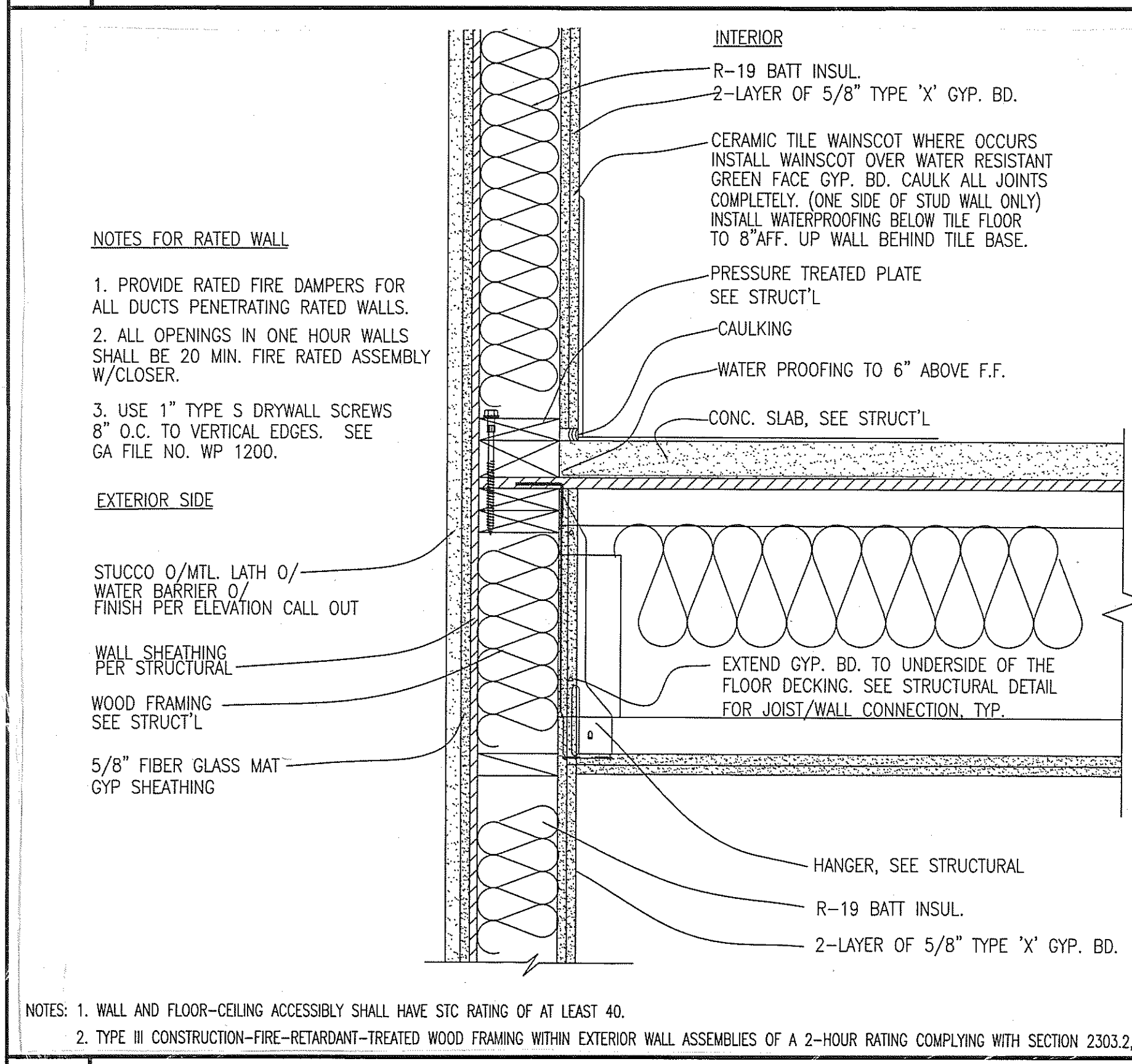
3 2-HR EXTERIOR STUD WALL @ NORTH CANOPY
SCALE: 1 1/2"=1'-0"



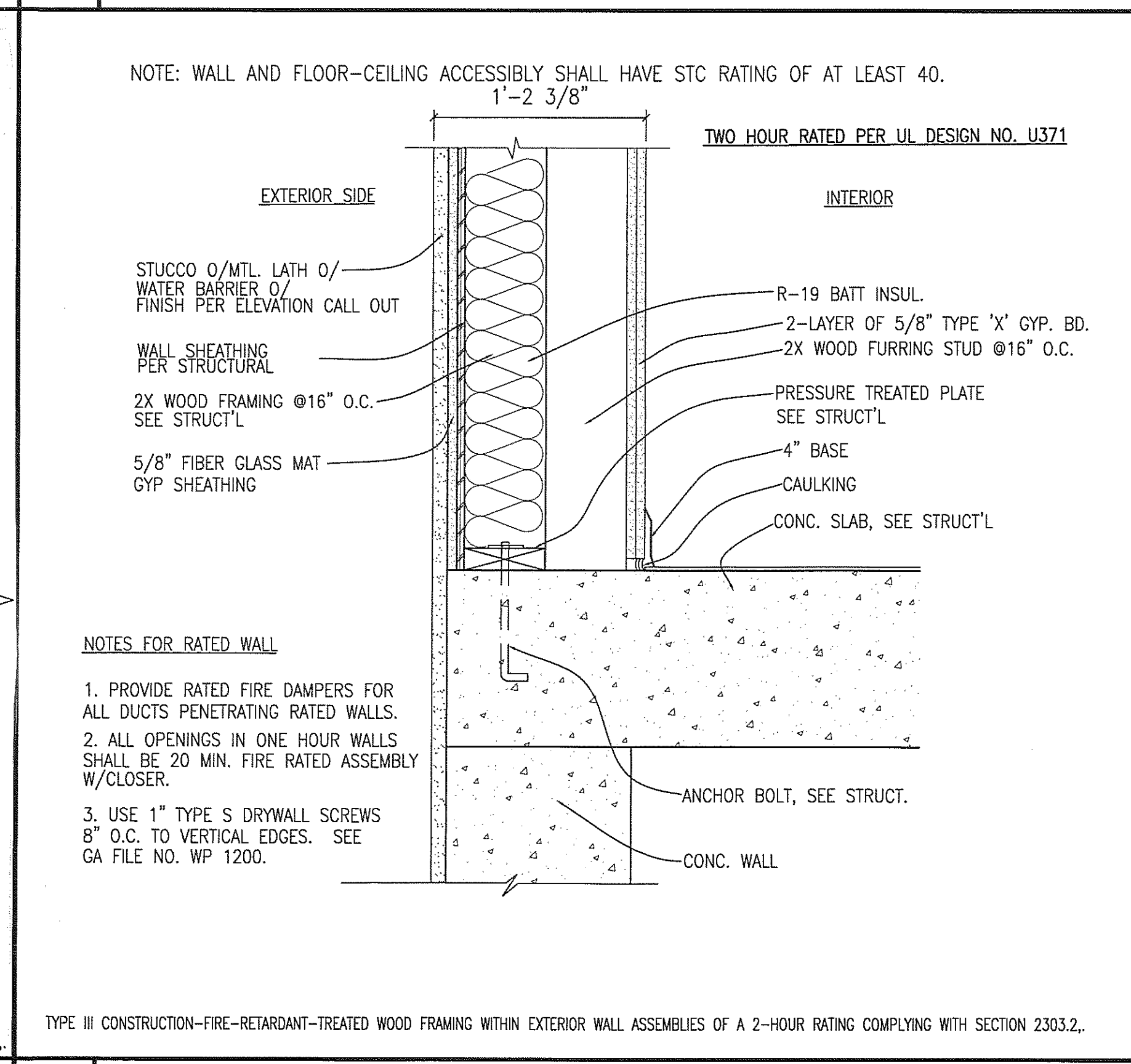
4 2-HR EXTERIOR STUD WALL
SCALE: 1 1/2"=1'-0"



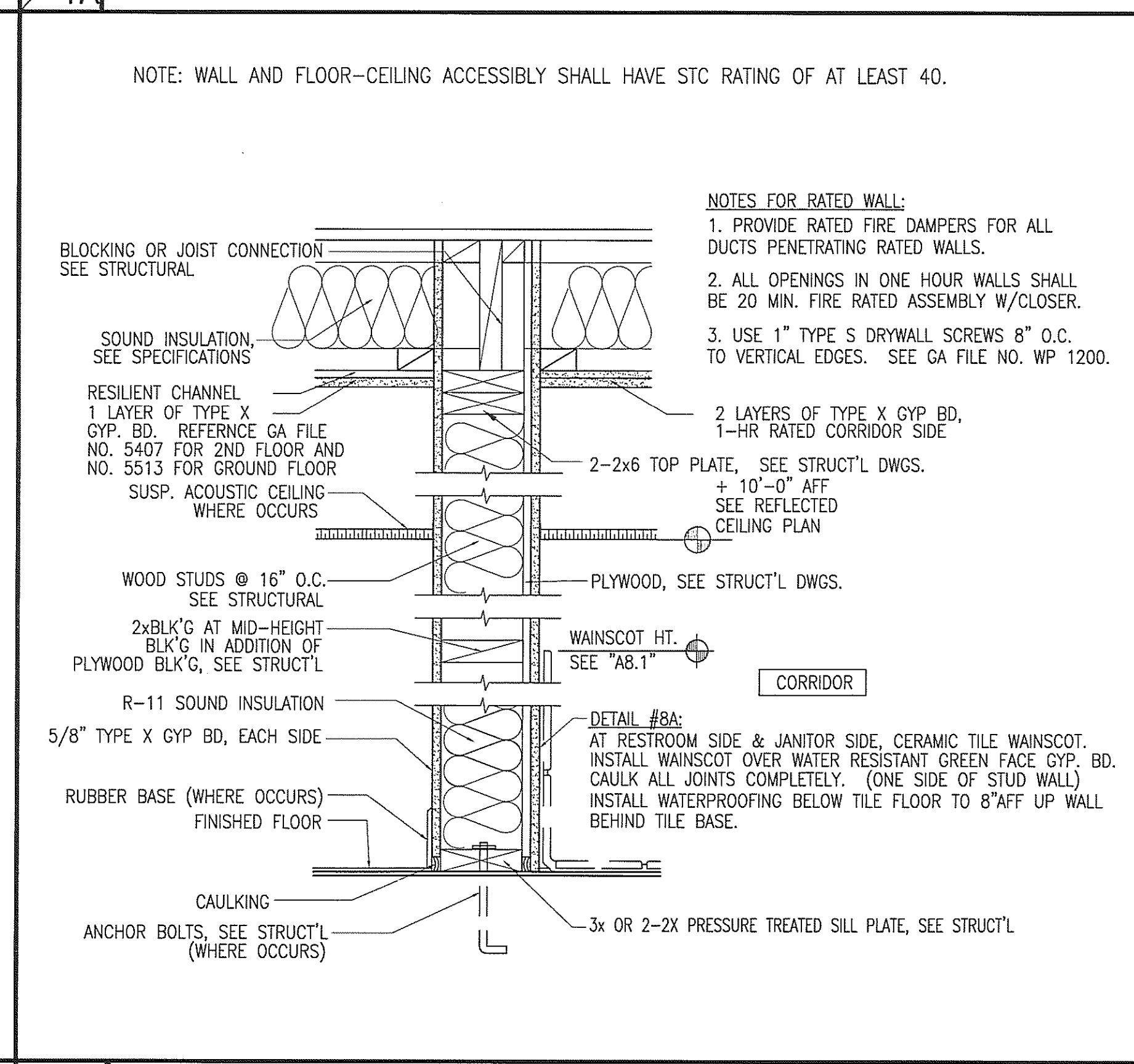
5 2-HR EXTERIOR STUD WALL @ ENTRANCE
SCALE: 1 1/2"=1'-0"



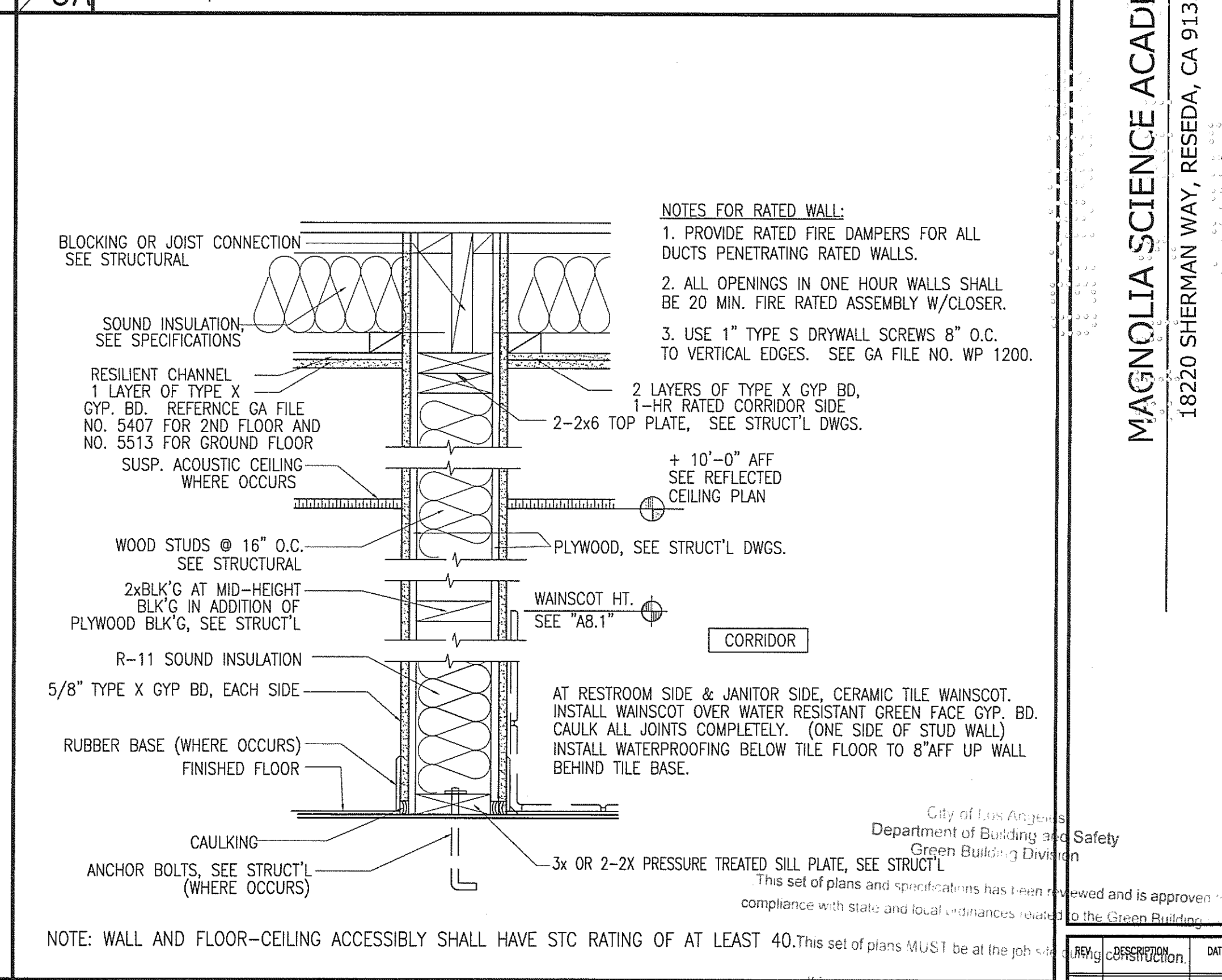
6 2-HR EXTERIOR STUD WALL @ INTERIOR WET AREA
SCALE: 1 1/2"=1'-0"



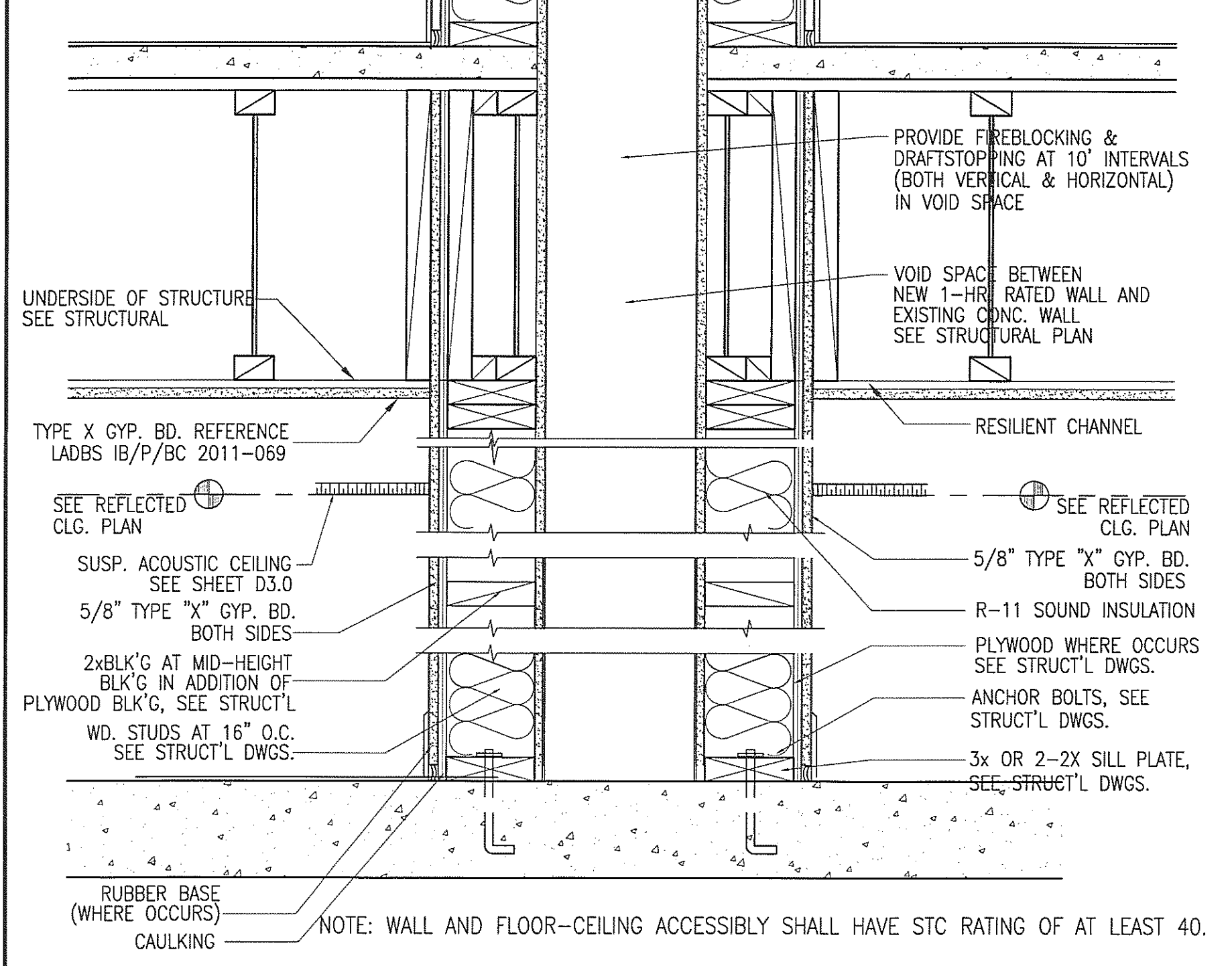
7 2-HR EXTERIOR STUD WALL W/ FURRING STUD
SCALE: 1 1/2"=1'-0"



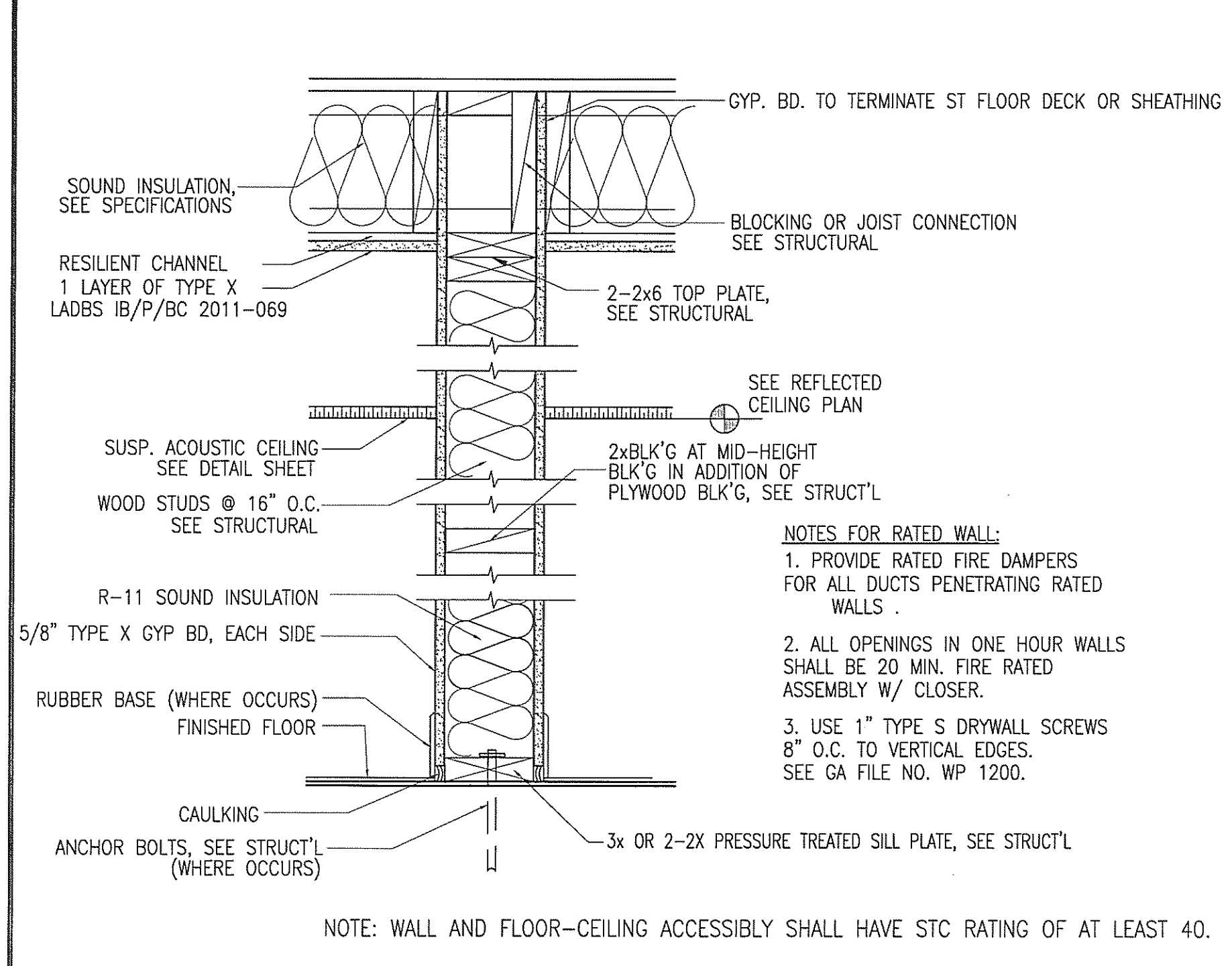
8 1-HR RATED INTERIOR WALL
SCALE: 1 1/2"=1'-0"



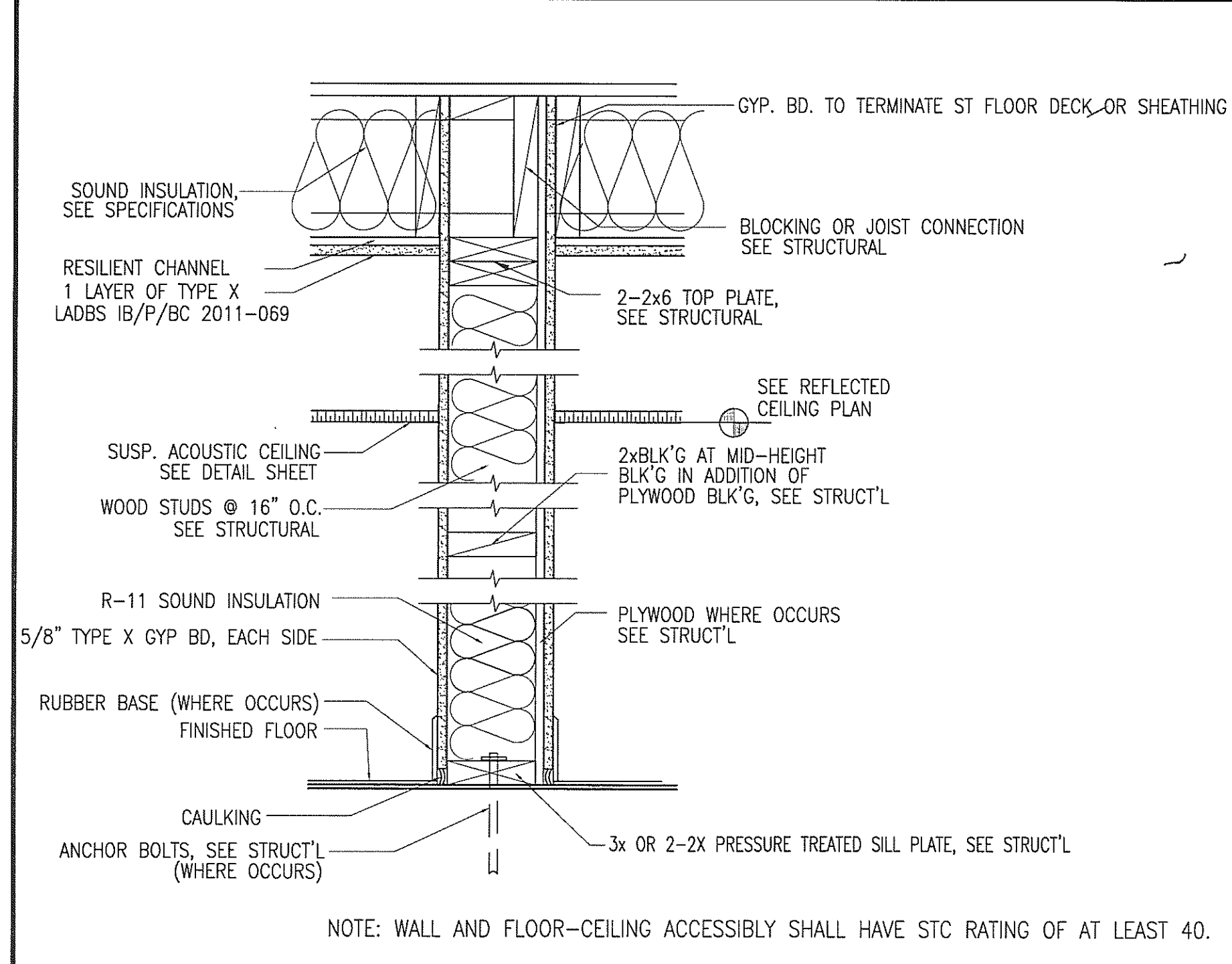
8B ONE HOUR RATED INTERIOR WALL
SCALE: 1 1/2"=1'-0"



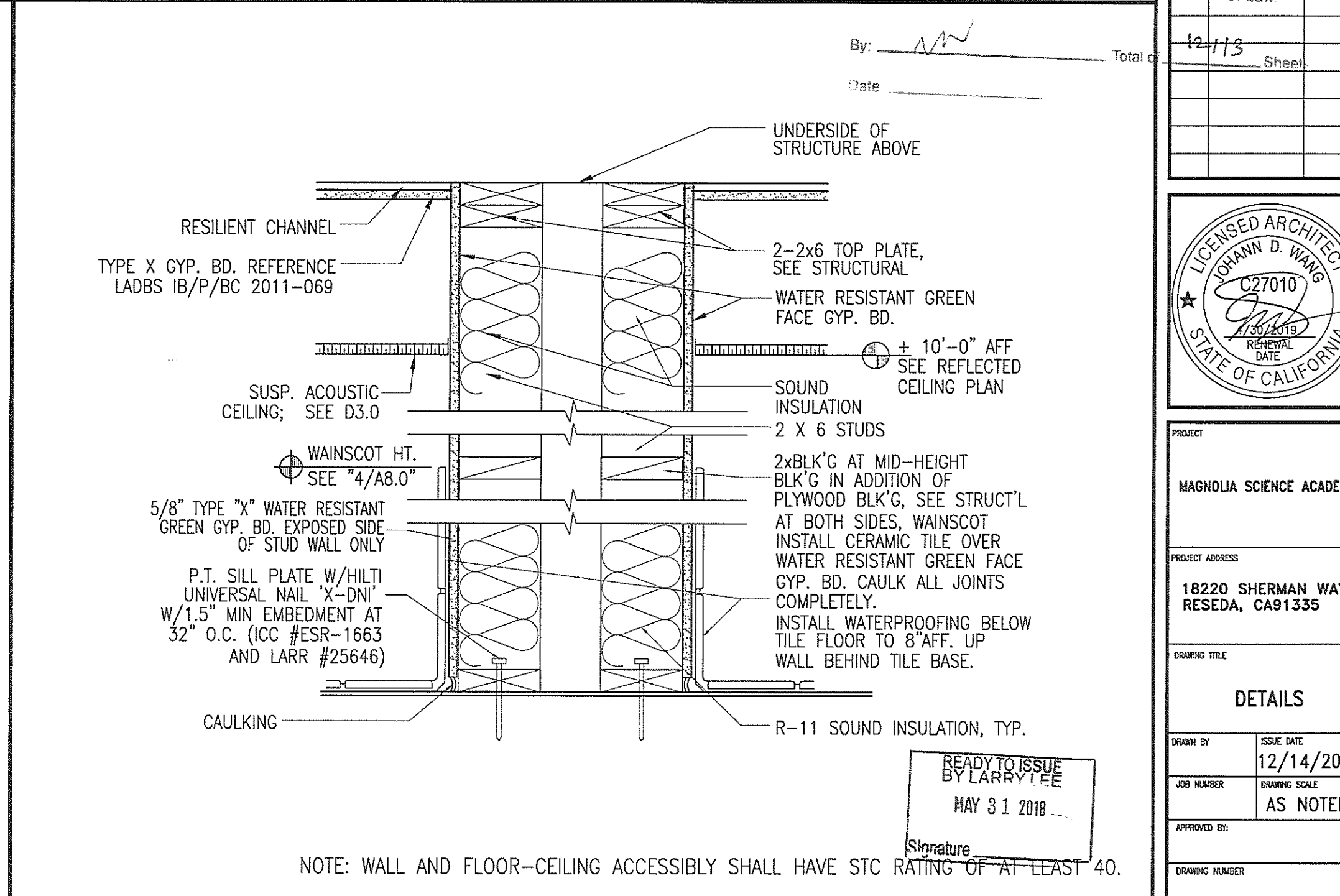
9 ONE HOUR RATED SHAFT WALL
SCALE: 1 1/2"=1'-0"



10 NON-BEARING WALL DETAIL
SCALE: 1 1/2"=1'-0"



11 BEARING WALL DETAIL-NON-RATED
SCALE: 1 1/2"=1'-0"



12 WOOD STUD DBL. PLUMBING WALL
SCALE: 1 1/2"=1'-0"

FRANCO ARCHITECTS INC.
12345 Ventura Blvd. H
Studio City, CA 91604
Tel: 818 754-2030
Fax: 818 754-4522

MAGNOLIA SCIENCE ACADEMY
18220 SHERMAN WAY, RESEDA, CA 91335

APPROVED ARCHITECT
FRANCO D. WANG
C27070
STATE OF CALIFORNIA

MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS
18220 SHERMAN WAY, RESEDA, CA 91335

DETAILS

DATE: 12/14/2017
SCALE: AS NOTED

READY TO ISSUE BY LARRY TEE
MAY 31 2018



Change Request

To: TREVOR LAWTON
 OLTMANS CONSTRUCTION
 10005 MISSION MILL RD.
 WHITTIER, CA 90601
 Ph: 562-948-4242 Fax: 562-695-9267

Number: 10
Date: 4/17/19
Job: 1-477 Magnolia Science Center
Phone:

Description: Lead Flashing T&M Ticket 4/12/19

We are pleased to offer the following specifications and pricing to make the following changes:

Per Oltman's direction, please see attached pricing for T&M ticket dated 4/12/19 for the following:

1. Install (3) lead at waterproofing area sections.
2. Apply waterproofing liquid to seal lead and added roof step.

Work performed by us:				
Description	Quantity	Unit	Unit Price	Price
Malarkey Base	1.00	Roll	\$31.92	\$31.92
Malarkey Ply 6	1.00	Roll	\$55.25	\$55.25
Malarkey 524G Title 24 Cap	1.00	Roll	\$74.56	\$74.56
Mastic	1.00	Pail	\$42.84	\$42.84
Roofing Labor	8.00	hr	\$65.00	\$520.00
			Subtotal:	\$724.57
			Subtotal:	\$724.57
		Tax	\$204.57	9.50%
		O H & P	\$744.00	10.00%
		Round		\$-0.40
			Total:	\$818.00

If you have any questions, please contact me at 951-284-3456.

Submitted by: Michael Vides
 ARMSTRONG & ACEVES COMPANY

Approved by: _____
 Date: _____

Cc: Marisol De La Rosa (ARMSTRONG & ACEVES COMPANY)



“Building a Safe & Secure Southern California”

Request For Change Order

To: Oltmans Construction Co
10005 Mission Mill Road
Whittier, CA 90601

Project: Oltmans Magnolia Science Cnt

RFC No: 9

Date: 10/15/2018

Description: SCOPE:

Electrical Construction: This Change Order Request is for the Added SOW pursuant to RFI 78. Please see breakdown attached.

INCLUDES:

This proposal includes all materials, tax, equipment, and labor as needed to provide a complete and operable system for work as described herein.

EXCLUDES:

Overtime

Shift work

Permits & Fees

Inclusions and Exclusions of the Original Executed Contract will apply to this cost estimate

Anything not expressly included above



“Building a Safe & Secure Southern California”

Request For Change Order

To: Oltmans Construction Co
10005 Mission Mill Road
Whittier, CA 90601

Project: Oltmans Magnolia Science Cnt

The above work is subject to the same conditions as specified in the original contract unless otherwise stipulated.

Upon approval the sum of \$8,804.83 will be added to the contract price.

Original Contract	\$487,921.00
Other Approved Change Orders	\$10,847.53
Total Contract to Date	\$498,768.53
This Request	\$8,804.83
Other Pending Requests	\$35,174.02
Total Contract plus Pending RFCs	\$542,747.38

Authorized Signature: _____ Date: _____
Safeway Building Systems, Inc

Authorized Signature: _____ Date: _____
Oltmans Construction Co

1474 Miller Drive | Colton, CA 92324
Phone (909) 824-6441
Fax (909) 824-0571

www.safewaybsi.com

Lic # B/C-10 387886
Lic # C-46, C-7
ACO# 3998

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
Section : Section 001: BR PWR - EXTERIOR LIGHT POLE FIXTURES					
	38AST MC CONNECTOR	8.00	EACH	9.70	1.4400
	5S BOX 4 11-16	4.00	EACH	83.81	1.0200
	34ESRTCP 3/4 RAIN TIGHT COUPLING	2.00	EACH	4.10	0.1800
	FIRE CAULKING TUBE	2.00	EACH	51.48	0.0000
	EXT F FIXTURES WDM-D-48L-105-5K7-4W-UNI-PS-PC	5.00	EACH	4,890.00	3.7500
3/4"	EMT	135.00	FEET	111.78	4.0500
3/4"	EMT STEEL SS CONN	11.00	EACH	4.36	0.9900
3/4"	EMT STEEL SS COUP	12.00	EACH	3.89	0.5400
3/4"	GRC COUPLING	2.00	EACH	3.07	0.0000
3/4"	LIQUIDTITE CONDUIT	5.00	FEET	4.98	0.1500
3/4"	LIQUIDTITE STR CONN	5.00	EACH	18.72	0.7500
4 SQ BOX	1-1/2D 1/2 KO	4.00	EACH	5.90	0.7200
4 SQ	1-1/4D 1G PLAS RING	4.00	EACH	5.66	0.3000
	1G WP BELL BOX	1.00	EACH	5.40	0.7500
12	THHN SOL CU	135.00	FEET	17.82	0.8100
10	THHN SOL CU	375.00	FEET	76.50	2.8125
#12-3/C	MC CABLE W/GRN GRD	80.00	FEET	71.04	3.9600
Subtotals for Section : Section 001: BR PWR - EXTERIOR LIGHT POLE FIXTURES				5,368.21	22.2225
Section : Section 002: CREDIT - CREDIT					
	6W-24D TRENCHER DITCHING	-25.00	FEET	-25.00	-0.7500
1"	PVC SCH 40	-30.00	FEET	-10.20	-0.9000
1"	PVC SCH 40 90 ELBOW	-4.00	EACH	-2.60	-0.4000
12	THHN SOL CU	-32.00	FEET	-3.52	-0.1280
10	THHN SOL CU	-64.00	FEET	-10.88	-0.3200
Subtotals for Section : Section 002: CREDIT - CREDIT				-52.20	-2.4980
Grand Totals				5,316.01	19.7245



CONSTRUCTION CO.
10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

REQUEST FOR INFORMATION

RFI-078

SUBJECT: Exterior Light Pole Fixtures Clarification**DATE:** 09/24/2018**PROJECT:** Magnolia Science Academy**PROJECT NO.:** 18049**TO:** Etmny Cornejo
Franco Architects Inc.**REQUIRED:** 09/27/2018**COST IMPACT:** POTENTIALLY**DAYS IMPACT:** POTENTIALLY**FROM:** Olivia Sanchez
Oltmans Construction Co.**Co-Author:****Contact:****Co-Author RFI Number:****Request:**

Refer to: A0.5A, E2.1

Per discussion at OAC meeting on 9/19/2018, please confirm the two (2) light poles on the South end of the building are to be omitted and replaced with wall-mounted lights. Additionally, please provide specification and location for desired wall-mounted exterior fixtures.

Suggestion:**Answer:** **Accept Suggestion**

It is confirmed that the two light poles on the south end of the building are to be omitted and replaced with wall-mounted lights. See SK-023, SK-024 and revised Electrical Sketches ESK 001 thru 004.

Answered By:

Stephanie Liu
Franco Architects

Date:

10/11/2018

Distribution:**Contact****Company**

Devin Ulibarri

Oltmans Construction Co.

Jeff Rich

Oltmans Construction Co.

Johann Wang

Franco Architects Inc.

Karen Montalvo

Franco Architects Inc.

Stephanie Liu

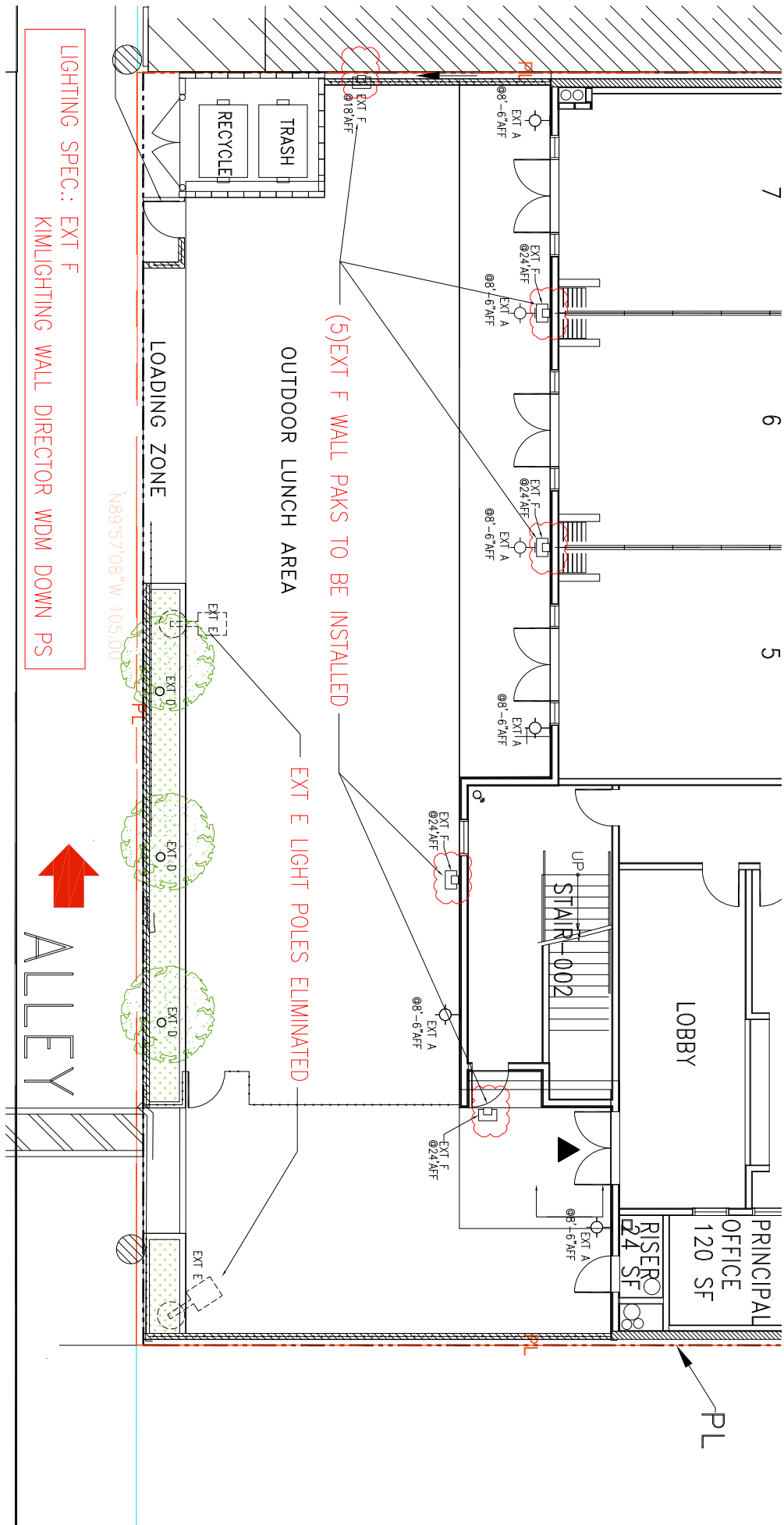
Franco Architects Inc.

Sarineh Minasian

Franco Architects Inc.

Tim Buresh

Magnolia Educational and Research
Foundation



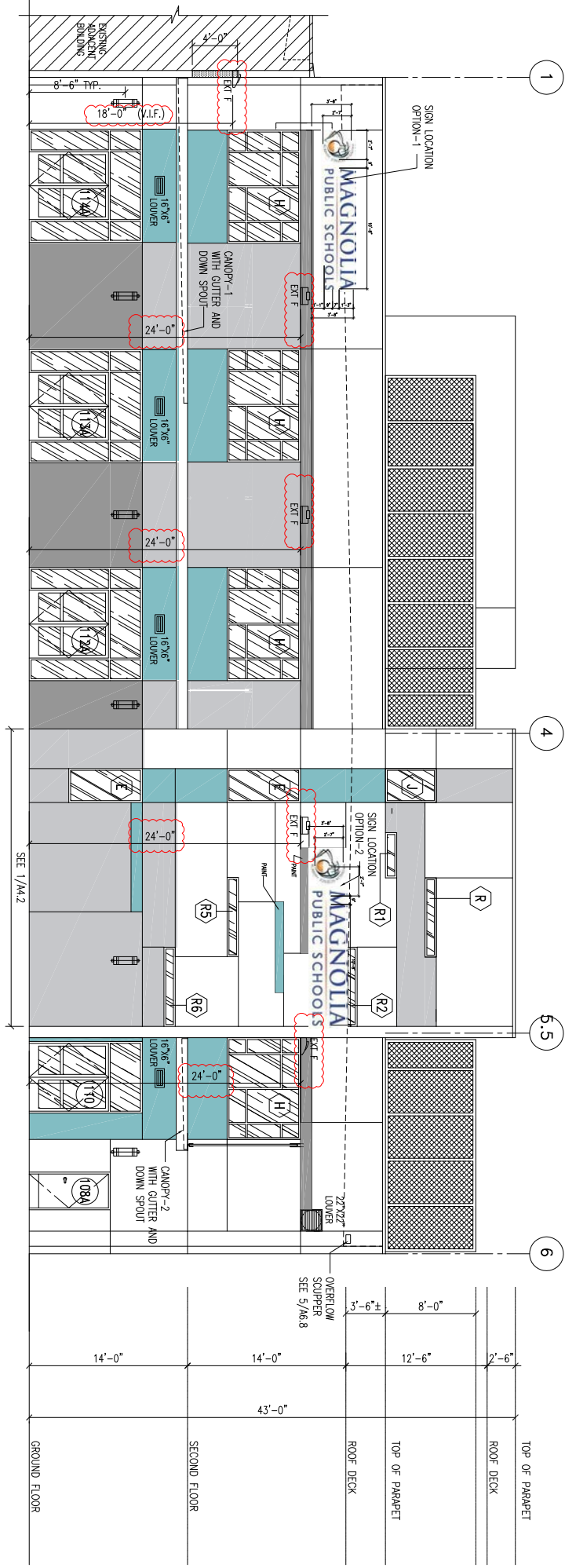
Architect:
FRANCO ARCHITECTS
 12345 Ventura Blvd. Studio City, CA 91604
 (818) 754-2030 (818) 754-2032 (FAX)

OUTDOOR LUNCH AREA – EXTERIOR LIGHTING REPLACEMENT

Project:	MAGNOLIA SCIENCE ACADEMY	Sheet No.	A0.5A
Project No.:	18220 SHERMAN WAY, RESEDA, CA 91335	Date:	10/8/2018
Drawing Title:	SITE PLAN	Sketch No.	SK-023

Architect:
FRANCO ARCHITECTS
 12345 Ventura Blvd. Studio City, CA 91604
 (818) 754-2030 (818) 754-2032 (FAX)

Project: **MAGNOLIA SCIENCE ACADEMY**
 18220 SHERMAN WAY, RESEDA, CA 91335
 Project No.: **10/1/2018** Date: **10/1/2018** Sheet No. **A4.0**
 Drawing Title: **SOUTH ELEVATION - EXT F** Sketch No. **SK-024**



JOB _____ TYPE _____

NOTES _____ APPROVALS _____

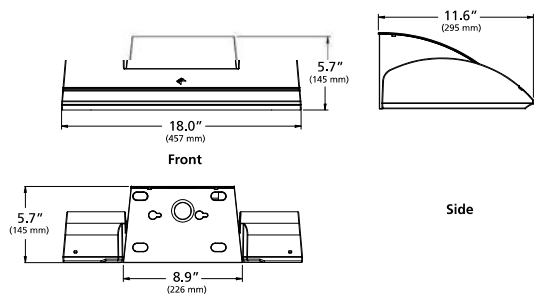
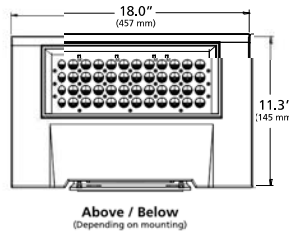
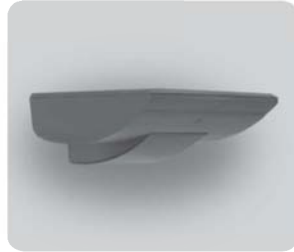
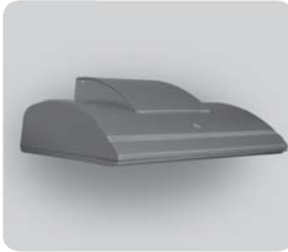
FEATURES

- -5° to +10° tilt adjustment
- High performance optics deliver up to 15,000 lumens
- up or down mountable without modification
- Diffused lens option
- Programmable occupancy sensor (dimming)
- NX and SiteSync wireless controls
- 130+ lumens per watt

Certifications



SPECIFICATIONS



Weight: 35 lbs

ORDERING CODE

WDM	D	48L	105K	5K7	4W	UNI	PS
Fixture	Mounting	Source	Wattage	Light Engine	Distribution	Voltage	Fixture Finish
WDM Wall Director Medium	D Down U Up	48L 48 LEDs	55 55 Watts 65 65 Watts 85 85 Watts 105 105 Watts 130 130 Watts	3K7 3000K/70CRI 3K8 3000K/80CRI 4K7 4000K/70CRI 4K8 4000K/80CRI 5K7 5000K/70CRI	1 Type I 2 Type II 3 Type III 4W Type IV Wide 4F Type IV Forward WG ² Wall Graze SP Spot/Column FTD ² Forward Throw Diffuse WTD ² Wide Throw Diffuse	UNV 120-277V 347 347V 480 480V	BL Black DB Dark Bronze GT Graphite LG Light Gray PS Platinum Silver TT Titanium WH White CC Custom Color, consult representative

PC		
Control Options	Options	Accessories
PC Button PhotoCell SCP-8F Programmable Occ. Sensor (<9' height) SCP-20F Programmable Occ. Sensor (<9' - 20' height) SWP ³ SiteSync Wireless Pre-Commission SWPM ³ SiteSync Wireless w/ Occupancy Sensor Pre-Commission NXSPW14F ⁴ NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14' NXSP14F ⁴ NX PIR Occupancy Sensor, Dimming Daylight Harvesting, 14' NXWE ⁴ NX Wireless Enabled	EM ³ Internal Emergency Battery Backup SF Single Fuse & Fuse holder DF Double Fuse & Fuse holder 2DR Dual Drivers 2PF Dual Power Feds	SCPREMOTE SCP configuration tool SWUSB SiteSync Software on USB SWTAB SiteSync Windows® Tablet SWBRG SiteSync Software Bridge Node

Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.



Kim Lighting reserves the right to change specifications without notice.

¹ Not available with EM option or with SCP & SWPM sensor options.
² WG, FTD, and WTD come with a diffused lens.
³ Universal voltage only (120-277), not available with PC option.
⁴ 120-347V only





PLUMBING & PIPING INC.

1620 S. Grove Ave., Ste. B, Ontario, CA 91761

(909) 595-9434

CHANGE ORDER PROPOSAL

DATE: **1/15/2019** G.C. PROJECT MANAGER / SENT TO: **Trevor Lawton**
 CONTRACTOR: **Oltman's Construction** PROJECT: **Magnolia Science Academy**
 ADDRESS: **10005 Nission Mill Road** JOB NO: **2027** COR # **6**
 CITY, STATE, ZIP: **Whittier, Ca 90601** REF NO: **Delta 3** RFI:

DESCRIPTION OF WORK: **Delta 3 Drawings issued 12/26/2018**
Labor, materials, and equipment necessary to perform the installation of (1) 3" outlet deck drain, added to serve the vestibule entry at Boys Restroom #302 (per the Delta 3 Drawings issued 12/26/2018). Includes installation of (1) new Wade model 3111-3NH-1-52-53-VP deck drain with heel proof nickel bronze veneer strainer, all necessary sch 40 PVC DWV drain piping with POC to the adjacent storm drain system above MDF RM #214 / Staff Breakroom #211, all piping supports / hangers as necessary, seismic bracing at +/-30' intervals as necessary, installation of pipe labels at +/-30' intervals as necessary, and pre-functional testing upon completion.

Note: Sch 40 PVC DWV pipe and fittings have been selected in conjunction with the value engineering considerations made in previously issued PV&C COR #03 "Revised", dated 12/4/2018.

TYPE OF MATERIAL	QTY	UNIT	UNIT COST	AMOUNT	TRADE	HOUR	RATE	AMOUNT
See attached material back-up	1	FLAT	\$1,682.65	\$1,682.65	STRAIGHT TIME			
				\$0.00	PLM GF		108.63	\$0.00
				\$0.00	PLM FM	2.0	102.19	\$204.38
				\$0.00	PLM JM	16.0	92.51	\$1,480.16
				\$0.00	WELDER		117.60	\$0.00
				\$0.00	PREMIUM TIME			
				\$0.00	PLM GF		147.57	\$0.00
				\$0.00	PLM FM		138.05	\$0.00
				\$0.00	PLM JM		123.77	\$0.00
				\$0.00	WELDER		173.25	\$0.00
				\$0.00	DOUBLE TIME			
				\$0.00	PLM GF		185.57	\$0.00
				\$0.00	PLM FM		173.01	\$0.00
				\$0.00	PLM JM		154.17	\$0.00
				\$0.00	Welder		235.20	\$0.00
TOTAL				\$1,682.65	WAGE BENEFITS			included
SALES TAX				included	TRAVEL	2	\$92.51	\$185.02
TOTAL MATERIAL COSTS				\$1,682.65	TOTAL LABOR COSTS			\$1,869.56

MISC. TOOLS & EQUIPMENT								
ITEM	QTY	UNIT	UNIT COST	AMOUNT	SUMMARY			
Rolling scaffolding (rental)	0.5	week	\$375.00	\$187.50	TOTAL MATERIAL COST \$1,682.65			
				\$0.00	TOTAL LABOR COST \$1,869.56			
Multi-quip MQ4500 Generator	2	DAY	\$55.00	\$110.00	TOTAL MISC. COST \$805.50			
Fuel Surcharge	1	Gallon	\$8.00	\$8.00	TOTAL COST \$4,357.71			
Flat-bed delivery truck from shop (delivery / pick-up of scaffolding)	2	RND TRIP	\$250.00	\$500.00	OVERHEAD & PROFIT 15% \$653.66			
				\$0.00	TOTAL \$5,011.37			
				\$0.00				
charge not yet met)								
TOTAL MISC. COSTS				\$805.50	BOND			
GRAND TOTAL								\$5,011.37

2 working days are to be added to our contracted schedule timeline. This schedule change may effect other timelines.

EXCLUSIONS:

- 1) Assessments or fees.
- 2) Permit.
- 3) Overtime.
- 4) Double-time.
- 5) Roof-patch.
- 6) Water-proofing.
- 7) Lead-flashing(s) or sheets.
- 8) Core-drilling.
- 9) Fossil filter(s).
- 10) X-ray / deep scan of concrete deck.
- 11) Calculation(s) / drawing(s) / engineering.
- 12) Location(s) other than specified.
- 13) Qty(s) other than specified.
- 14) Material(s) other than specified.

See attached back-up sheets for detailed quantities, etc. The above pricing is only for items contained on this sheet. If any major items were missed during that takeoff, they are not contained in the pricing herein, and are subject to a supplemental pricing for that work. This pricing is good for 30 days.

Submitted by;

Extra Work Authorization

1/15/2019

Job Name: #2027 Magnolia Science Academy

<u>Quantity</u>	<u>Description</u>	<u>Cost</u>	<u>Total</u>
1	1- 3" no hub outlet Wade Model 3103-3NH-1-5-52-53 deck drain	662.43	662.43
40	40'- 3" sch 40 PVC DWV pipe	2.52	100.68
1	1- 3" CP33 Mission band (3" PL x 3" CI)	12.56	12.56
1	1- 3" IPS plated riser clamp	5.22	5.22
2	2- 3" sch 40 PVC DWV long sweeps	4.56	9.12
1	1- 3" sch 40 PVC DWV ¼ bend	3.55	3.55
3	3- 3" sch 40 PVC DWV couplings w/ stop	2.55	7.64
3	3- 3" sch 40 PVC DWV hxs 1/8 bends	4.46	13.37
2	2- 3" sch 40 PVC DWV hxh 1/8 bends	4.70	9.41
1	1- quart Grey PVC glue	25.53	25.53
1	1- quart purple PVC primer	22.70	22.70
2	2- glue daubers	5.36	10.72
1	1- pack terry cloth towels / rags	15.06	15.06
1	1- 4" x 4" x 3" sch 40 PVC DWV combi	11.89	11.89
10	10- 3" IPS loop hangers	1.78	17.76
20	20'- 3/8" zinc coated all thread rod	0.54	10.72
1	1- box ¼" x 2" long x 3/8" rod bottom outlet super screws	19.84	19.84
1	50- 3/8" nuts	9.79	9.79
1	50- 3/8" washers	4.81	4.81
1	1- box 3/8" x 1 ½" long lag bolts	25.19	25.19
10	10- B-Line Cooper B3060L side beam attach bracket's	13.16	131.63
2	2- B-Line Cooper B650 series retro-fit hanger seismic brace	93.76	187.51
2	2- FNW7847Z4 4-hole open angle brackets	8.89	17.78
8	8- FNW7819Z0037 3/8"-16 no-spring channel nuts	1.11	8.90
10	10'- 13/16" uni strut	2.29	22.90
1	1- box 3/8" x 1" long machine bolts	10.80	10.80
2	2- pipe labels with 2" high letters (white on green) "Storm Drain"	5.40	10.80
1	1- roll Brady directional arrow tape (white on green) small arrows	75.87	75.87
1	1- 18TPI portable band saw blade	12.80	12.80
1	1- FNW7811Z1800 18" strut arm	20.50	20.50
2	2- 3" IPS strut clamps	3.09	6.18
2	2- 4" SD2000 Husky bands (no hub couplings)	10.90	21.81
1	1- 3" sch 40 PVC DWV wye	6.47	6.47
1	1- 3" sch 40 PVC glue cap	0.66	0.66
1	1- 3" dollar plug / test plug	4.09	4.09
		-	-
		-	-
		-	-
		-	-
		-	-

Elizabeth Lara

From: Dustin Miller <dmiller@safewaybsi.com>
Sent: Monday, January 21, 2019 8:08 AM
To: Elizabeth Lara
Cc: Project Support; Carlos Bedoy; Trevor Lawton
Subject: RE: MSA #18049 - Revised Drawings Bulletin 4 and 5 RFP

Good Morning Elizabeth,

There is no cost impact for us on Bulletin #4 & #5, per the revised drawings listed on the email "MSA #18049 – Revised Drawings Bulletin 4 and 5 RFP" that we received on 1/15/19.

The adder for furnishing five (5) Wall-mounted Fixtures and credit for the two (2) omitted Light Poles were captured within Safeway CO#9 (RFI 78).

Best regards,

Dustin Miller
Project Engineer



"Building a Safe & Secure Southern California"

Cell: (951) 321-0713
Office: (909) 824-6075
Fax: (909) 824-0571
www.safewaybsi.com

CONFIDENTIALITY NOTICE The information in this email and any files transmitted with it, is confidential and may be legally privileged. This message, including any attachments is intended only for the person or entity to which it is addressed and may contain proprietary or confidential information. If you are the intended recipient, be aware that your use of any confidential or personal information may be restricted by state and federal privacy laws. If you are not the intended recipient, you are not authorized to read, print, retain copy, disseminate, distribute, or forward this message or any part of it. If you have received this email in error, please notify the sender immediately and delete the material from any computer. Thank you.

From: Elizabeth Lara [<mailto:ElizabethL@oltmans.com>]
Sent: Tuesday, January 15, 2019 11:53 AM
To: chris@ceramictileart.us; Raymond Elias; steve@gjgentry.com; cindy@starhardwareinc.com; Steve Brandriff; Carlos Bedoy; frank.fang@schindler.com; will@iealarm.com; eric@iealarm.com; tclark@adfiresprinklers.com; newimageinterior@mail.com; newimageflooring1@contractor.net; Kristopher Johnston; mark@continentalglazing.com; skorica@cbhvac.com; kyle@calcominsulation.com; rona@advancedlandscape2000.com; RyanH@perliteplastering.com;

robertgallal@gmail.com; rghansen@shcabinets.com; eesquivel@hufcor.com; jaguilar@lawrencedoors.com; chris@jfpco.com; lauren@beesonpervious.com; tim@pvcplumbing.com; tom@pvcplumbing.com; Kris@pvcplumbing.com; mlamarche@johaseerebar.com; T.Galan@AARoofingCorp.com; J.Arzaga@AARoofingCorp.com; Reginald.Huner@Intertek.com; Kristopher Johnston; T.Galan@AARoofingCorp.com; stephen@sjgrigolla.com; steve@gjgentry.com; cathy.garcia@sgcal.com; mike.butler@sgcal.com; david.howell@smokeguard.com; Jrmartinez@kdrsteel.com; rfrei@peica.com; gravelo@powerplus.com; estimating@thompart.com; james@systemswp.com

Cc: Trevor Lawton; Elizabeth Lara

Subject: MSA #18049 - Revised Drawings Bulletin 4 and 5 RFP

Good Morning Everyone,

Please see the attached bulletin 4 and 5 affected drawings. A brief description of changes can be found on the lower left side of the drawing, next to title block.

- Bulletin 4 (delta 4) are summary of sketches that have been issued (typically RFI response)
- Bulletin 5 (delta 5) Coordination Bulletin
- Impacted sheets for the bulletins:

1. A0.5A
2. A1.1
3. A3.1
4. A4.0
5. A4.1
6. A5.1
7. A6.0
8. A6.2
9. A6.8
10. A6.9
11. S9.0
12. S9.1

Submit your WRITTEN, **ITEMIZED** AND DETAILED quotation to our office by Tuesday January 22, 2019 at 4pm. If no cost impacts are submitted we will assume there is no cost impact and future change order requests will not be accepted pertaining to changes in bulletin 4 and 5.

If this request for proposal does not have any cost and /or schedule impact on your portion of the work, indicate by signing and returning this to my attention.

If you have questions, contract the Project Manager, (Trevor Lawton), at extension (3459) or myself at extension 3432.

REFERENCE THE BULLETIN#/DRAWING # WHEN RESPONDING TO THIS NOTICE AND RETURN TO MY ATTENTION.

NO COST OR SCHEDULE IMPACT:

Name

Date

Thank you,
Elizabeth F. Lara

Sr. Project Engineer

Oltmans Construction Co.

T 562.948.4411, Ext. 3432

From: Johann Wang

Sent: Friday, January 11, 2019 10:31 AM

To: Trevor Lawton <TrevorL@oltmans.com>; Elizabeth Lara <ElizabethL@oltmans.com>; Jeff Rich <JeffR@oltmans.com>

Cc: Karen Montalvo; Stephanie Liu; Etmny Cornejo

Subject: MSA Bulitin-4 and 5

Hi Trevor,

Attached are the drawings for Bulitin-4 and Bulitin-5. **Bulitin-4 are summary of sketches that have**

been issued. Bulitin-5 is new.

Thanks

Johann Wang Architect

Franco Architects Inc.



REQUEST FOR CHANGE ORDER

CONTRACTOR: Oltmans Construction

DATE: 10/29/18

ATTENTION: Olivia Sanchez

JOB: Magnolia Science Academy
Reseda, CA

GLOBAL JOB#: 18156

CHANGE ORDER: 1

REASON FOR CHANGE:

Per Returned Submittals, Add to Provide C1816G17FX2 FEC in lieu of C1816V17FX2.

TOTAL COST INCLUDING TAX	\$321.00
LABOR	INCLUDED
TOTAL CHANGE ORDER REQUEST	\$321.00

GLOBAL SPECIALTIES DIRECT INC

ACCEPTED BY: _____

BY: JOVANNA LABORIN
PROJECT MANAGER

TITLE: _____

**PLEASE NOTE: CHANGE ORDER
WILL NOT BE PROCESSED UNTIL
SIGNATURE IS RECEIVED**

****CHANGE ORDER(S) WILL NOT BE PROCESSED
UNTIL GLOBAL SPECIALTIES DIRECT INC HAS
RECEIVED APPROVAL FROM YOUR FIRM.**

10118 SANTA FE SPRINGS RD, SANTA FE SPRINGS, CA 90670
PHONE (562) 777-1170 • FAX (562) 777-1169

SUBMITTED:

SUBMITTAL: AMBASSADOR™ STEEL FX2™ FIRE-RATED EXTINGUISHER CABINETS

PAGE 1 OF 2

The Ambassador Series is a Durable, Attractive Steel Cabinet with Powder-coat Finish that Stands up to Conditions in Commercial Buildings.

Door & Trim Construction: Cold rolled steel with white powder-coated finish standard. Flush cabinet doors with a 5/8" door stop are attached by a continuous hinge and equipped with zinc-plated handle and roller catch. All models have 1-3/4" wide trim on frame and 1-1/4" trim on doors with glazing.

Trim Style & Depth: *Trimless Recessed* - See separate submittal, *Recessed* 3/8" flat trim, *Semi Recessed* - 1-1/4", 1-1/2" Square Edge or 2-1/2", 3", 4", 4-1/2" Rolled Edge (4" has Flush pull).

Tub: The tub is constructed of cold rolled steel with white powder-coat finish standard. Tub forms a flange to cover cut edges of wallboard material. Fire-resistant material is attached to the exterior of the tub. *Please note that dimensions for wall opening have changed for the new FX2 design. See Chart on pg 2.*

Fire-Rating: Fire-FX2™ cabinets are fabricated in accordance with the UL label for one and two hour combustible and non-combustible wall system building codes. The fire testing has met the requirement of ANSI/UL 1479 (ASTM -E814) and ULC/CAN S115 for membrane and penetration firestops. Installation instructions must be strictly adhered to in order to obtain the fire rating.



STEP 1: SELECT MODEL NUMBER AND QUANTITY ON CHART (refer to chart on pg 2)

A. Determine Trim Style according to wall depth. B. Determine Tub I.D. according to size most suited for extinguisher and wall opening.

STEP 2: SELECT DOOR STYLE WITH HANDLE

Check one box below - See Examples on Page 2

- F Full Glazing
- G Full Glazing with SAF-T-LOK™
- D Horizontal Duo Panel
- E Horizontal Dual Panel with SAF-T-LOK™
- S21 Solid Door
- L22 Solid with SAF-T-LOK™
- L24 Solid with Cylinder Lock - No Handle
- V Vertical Duo
- W Vertical Duo with SAF-T-LOK™
- B Solid with 2" x 4" View Window & SAF-T-LOK™

BIM Objects for REVIT® Platform

STEP 3: SELECT DOOR GLAZING

- 10 Clear Acrylic
- 13 Clear Wire Glass with Safety Film
- 15 Bronze Acrylic
- 16 Gray Acrylic
- 17 Clear Tempered Glass
- 18 Laminated Safety Glass

STEP 4: OPTIONAL FEATURES AT ADDED COST (SELECT ANY)

- Optional Tub Color: Black Red
- Futura "Fire" Pull Mill Alum Red White
- Flush Pull Handle
- Polished Chrome Lever Handle (P6)
- Optional Colors: Red Black Flat Black
- Sand AMS Beige SC Flat Beige
- Gray Primer Bronze Silver
- Black Vertical FE Letters LDCVBFE
- Red Vertical FE Letters LDCVRF
- White Vertical FE Letters LDCVWFE
- Black Horizontal FE Letters LDCHBFE
- Red Horizontal FE Letters LDCHRF
- White Horizontal FE Letters LDCHWFE
- Black Vertical Decal LDVBFE
- Red Vertical Decal LDVRF
- White Vertical Decal LDVWFE
- Black Horizontal Decal LDHBF
- Red Horizontal Decal LDHRFE
- White Horizontal Decal LDHWFE
- (MC) Magnetic Catch—Replaces Roller Catch
- Optional Lock for G, E, W, L22, B:
- (CA) Commander Alarm
- (BA) Brigadier Alarm
- Etched/Engraved Letters in Glass/ Metal- Attach Sub.

For More Information on Options See Other Submittals: [Decals/Die Cuts & Wall Signs](#), [More Alarm Information](#)

<p>AMBASSADOR™ IS A TRADEMARK OF ACPG DOWNLOAD CURRENT SUBMITTAL BEFORE ORDERING</p>	Distributor: Global SDI	Quantity: 16
	Contractor: Oltmans	Approved By:
	Model #: C1816V17FX2	Architect:
	Project: Magnolia Science Academy	Date: 10/04/18 © 2017 Activar Construction Products Group, Inc

REVIEWED:

SUBMITTAL: AMBASSADOR™ STEEL FX2™ FIRE-RATED EXTINGUISHER CABINETS

PAGE 1 OF 2

The Ambassador Series is a Durable, Attractive Steel Cabinet with Powder-coat Finish that Stands up to Conditions in Commercial Buildings.

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Check one box below - See Examples on Page 2

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- L24 Solid with Cylinder Lock - No Handle
- V Vertical Duo
- W Vertical Duo with SAF-T-LOK™
- B Solid with 2" x 4" View Window & SAF-T-LOK™

BIM Objects for REVIT® Platform

STEP 3: SELECT DOOR GLAZING

(Check one box below)

- 10 Clear Acrylic
- 13 Clear Wire Glass with Safety Film
- 15 Bronze Acrylic
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- 18 Laminated Safety Glass

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- Polished Chrome Lever Handle (P6)
- Optional Colors: Red Black Flat Black
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- Red Horizontal FE Letters LDCHRF
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- Red Vertical Decal LDVRF
- White Vertical Decal LDVWFE
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- Optional Lock for G, E, W, L22, B:
- (CA) Commander Alarm
- (BA) Brigadier Alarm
- Etched/Engraved Letters in Glass/ Metal- Attach Sub.

For More Information on Options See Other Submittals: [Decals/Die Cuts & Wall Signs](#), [More Alarm Information](#)

<p>AMBASSADOR™ IS A TRADEMARK OF ACPG DOWNLOAD CURRENT SUBMITTAL BEFORE ORDERING</p>	Distributor: Global SDI	Quantity: 16
	Contractor: Oltmans	Approved By:
	Model #: C1816V17FX2	Architect:
	Project: Magnolia Science Academy	Date: 10/04/18 © 2017 Activar Construction Products Group, Inc

HEADQUARTERS & J.L INDUSTRIES: 9702 NEWTON AV S, BLOOMINGTON, MN 55431 PH: 800-554-6077 FAX: 952-835-2218 EMAIL: SALES@ACTIVARCPG.COM WWW.ACTIVARCPG.COM
MANUFACTURING: BLOOMINGTON MN & COMMERCE, CA • WAREHOUSES: FT MYERS FL, ATLANTA GA, DALLAS TX, SEATTLE WA, LANCASTER PA, FARGO ND, OMAHA NE 6/13/2017



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM
PCI033

TITLE: Bike Rack & Millwork Submittal Changes Added Costs

DATE: 05/06/2019

PROJECT: Magnolia Science Academy

PROJECT NO.: 18049

TO:

Magnolia Educational and Research Foundation
250 E. 1st St., 1500
Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment as required per changes at submittal review:

~~_Add \$1,840 - Millwork: COR 8339-01 Extend cabinets and counter top per submittal 064000-02 3 feet (drain pipe shaft eliminated at Bio lab Room #202)~~

~~_Add \$4,382 - Bike Storage Racks - model changed at per submittal #02641-03 and cost of material increase.~~

~~Contract qualification #19 included Model 301 manufactured in CA; new model is from out of state = higher freight~~

Vendor	Description	Amount
American Bicycle Security Co.	Bicycle Racks	4,382.00
S & H CABINETS & MFG.	Finish Carpentry: COR 8339-01	1,840.00
	SUBTOTAL:	6,222.00
	Bond	51.00
	Gross Tax	9.00
	GL	61.00
	SDI	78.00
	Fee	319.00
	SUBTOTAL:	518.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		6,740.00

will be revised to remove ~
\$4,800 add

APPROVAL:

Oltmans Construction Co.

BY: Trevor Lawton

DATE:

APPROVAL:

Magnolia Educational and Research

BY:

DATE:

TURTLE STORAGE, LTD.

dba. American Bicycle Security Company
 Composite Plastic Products
 P.O. Box 7359
 Ventura, CA 93006
 Ph: 800-BIKE-SAF (245-3723) or Fax: (805) 933-1865
 turtle@ameribike.com



Estimate

Date of Estimate	Rep	Estimate No.
4/17/2018	BC	12590

Estimated To

Oltmans Construction Co.
 10005 Mission Mill Road
 Whittier, CA 90601
 SubInvoices@oltmans.com
 Copy: CorinaW@oltmans.com
 Contact Le Phu
 Phone (562) 948-4242 Fax (562) 695-5299
 E-mail lep@oltmans.com

Ship To

18220 Sherman Way
 Reseda, CA 91335

Job Name **Magnolia Science Academy**

Expires	Terms	Lead Time*
Estimate is guaranteed for 30 days	Net 35	8 Weeks

Qty.	Item	Description	Class	Cost/Unit	Total
4	#301	Model #301 Bike-Shell Bike Locker - Molded one-piece fiberglass composite (no assembly required); includes all installation hardware. Maximum handle bar width is 35". Maximum bicycle height is 43". - Bicycle Capacity: 1 bike capacity per locker. - Dimensions: 49" H X 30" W X 74.5" L Options: - Locking System: PN#011: Chrome T-Handle Lock with 3 keys per lock and internal locking bar system. PN#010: Stainless Steel Padlock/U-Lock Handle Lock replaces standard lock. Padlocks/U-Locks not included. - Standard Color: Tan or Medium Grey	Retail	1,485.00	5,940.00T
4	PN #030	Louvered Vents - Stainless Steel Construction. 1 per door.	Retail	0.00	0.00T
82	LA Hoop	LA Hoop - Inverted "U" style bicycle rack specified by Los Angeles, CA. "U" style lock compatible. Includes all hardware to build and install. - Bicycle Capacity: 2 bike capacity per rack. - Class: 3 - Dimensions: 36"H X 25"W - Material: 2.375" OD schedule 40 pipe. Options: - Finish: Galvanized or Powder Coated COLOR TBD - Installation: Surface Mount with Tamperproof hardware	Retail	175.00	14,350.00T
	DISCOU...	Discount - Bicycle Locker	Retail	-297.00	-297.00
1	FREIGH...	Packing Materials	Retail	308.00	308.00
1	FREIGHT	Freight - Customer is responsible for unloading truck unless otherwise noted. NO LIFT GATE IS INCLUDED. If lift gate is needed, additional fees may apply.	Retail	1,490.00	1,490.00

Subtotal

CA - Sales Tax (9.5%)

Total USD

Thank you for the opportunity of quoting your project.

TURTLE STORAGE, LTD.

dba. American Bicycle Security Company
Composite Plastic Products

P.O. Box 7359
Ventura, CA 93006
Ph: 800-BIKE-SAF (245-3723) or Fax: (805) 933-1865
turtle@ameribike.com



Estimate

Date of Estimate	Rep	Estimate No.
4/17/2018	BC	12590

Estimated To

Oltmans Construction Co.
10005 Mission Mill Road
Whittier, CA 90601
SubInvoices@oltmans.com
Copy: CorinaW@oltmans.com

Contact **Le Phu**
Phone (562) 948-4242 Fax (562) 695-5299
E-mail lep@oltmans.com

Ship To

18220 Sherman Way
Reseda, CA 91335

Job Name **Magnolia Science Academy**

Expires	Terms	Lead Time*
Estimate is guaranteed for 30 days	Net 35	8 Weeks

Qty.	Item	Description	Class	Cost/Unit	Total
Revised from 03/27/2018					

*Based on current production schedule, subject to changes.

The customer is responsible for unloading the truck, freight does not include liftgate on truck, unless otherwise specified.

International Shipments do NOT include duties, taxes, & customs fees.

If Additional Insured for insurance is required there is a fee of \$100 per entity that must be named on the certificate. This fee is not included in this estimate.

Subtotal \$21,791.00

CA - Sales Tax (9.5%) \$1,899.34

Total USD \$23,690.34

Thank you for the opportunity of quoting your project.



CONSTRUCTION CO.
 10005 Mission Mill Road
 Whittier, CA 90601
 Phone: (562) 948-4242 Fax: (562) 695-9267

TRANSMITTAL
 TRN-101

PROJECT: Magnolia Science Academy

PROJECT NO.: 18049

TO: Franco Architects Inc.
 12345 Ventura Blvd.
 Suite H
 Studio City, CA 91604

DATE: 03/12/2019
RE: 02841-01 & 02 - Bike Racks & Bike Storage

ATTN: Etmny Cornejo

WE ARE SENDING:		SUBMITTED FOR:		ACTION TAKEN:			
<input type="checkbox"/>	Shop Drawings	<input checked="" type="checkbox"/>	Approval	<input type="checkbox"/>	Approved as Noted		
<input type="checkbox"/>	Letter	<input type="checkbox"/>	Your Use	<input type="checkbox"/>	Reviewed		
<input type="checkbox"/>	Prints	<input type="checkbox"/>	As Requested	<input type="checkbox"/>	Submit		
<input type="checkbox"/>	Change Order	<input type="checkbox"/>	Review and Comment				
<input type="checkbox"/>	Plans						
<input type="checkbox"/>	Samples	SENT VIA:					
<input checked="" type="checkbox"/>	Specifications	<input checked="" type="checkbox"/>	Attached			<input type="checkbox"/>	Separate Cover
<input checked="" type="checkbox"/>	Other: Color Charts	Other: N					
<input checked="" type="checkbox"/>	Submittal:						

Line	Item	Package	Code	Rev.	Qty.	Date	Description	Status
1	Submittal	02841	02841-01	1	1	03/12/2019	Bike Shell Model 301 Specs/Cut Sheets/Color Selection and clarification. Model 301 shell is one bike capacity. Reference: A0.6 (6A, 6B), A0.5A note 6A, 6B.	Received
2	Submittal	02841	02841-02	1	1	03/12/2019	LA Hoop Specs & Color chart & Clarification Reference: A0.6 (6A, 6B), A0.5A note 6A, 6B.	Received

REMARKS: Hello Etmny,

Please find the attached bike rack and bike shell for your review, color selection, clarification and approval.

NOTE: Model 301 houses one bike per shell not two - confirm this is acceptable.

Reference: A0.6 (6A, 6B), A0.5A note 6A, 6B.

CC:

REVIEW IS FOR GENERAL COMPLIANCE WITH CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSUMED FOR CORRECTNESS OF DIMENSIONS OR CTF DETAILS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESS AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS OR HER WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING ALL WORK IN A SAFE AND SATISFACTORY MANNER.

REVIEWED
 REVISE & RESUBMIT

REJECTED
 FURNISH AS CORRECTED

DATE 03/21/19 BY Johann Wang
 FRANCO ARCHITECTS, INC.

FROM: Elizabeth Lara

Oltmans Construction Company
Magnolia Science Academy
SUBMITTAL NO: 2019-01
SUBCONTRACTOR: Turbo Storage/American Bicycle
The information contained within this submittal has been reviewed for general conformance with the requirements of the work and the contract documents. This review does not relieve the subcontractor and/or supplier from responsibilities stipulated in the contract.
BY: [Signature] DATE: 3/12/19
All Pages Reviewed



Oltmans Construction

Magnolia Science Academy

Bike-Shell™ Model 301

NEW design, one piece FRP Composite bike locker
NO ASSEMBLY required



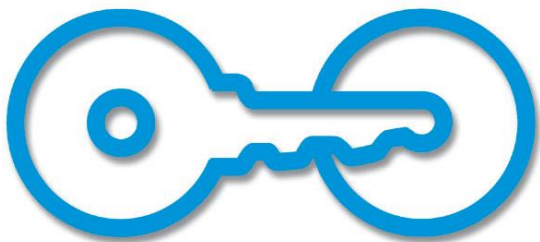
Lockers are pictured with Part No. 074 – Perforated Steel Safety View Windows

All lockers are shipped assembled and can be stand alone or grouped – NO COMMON WALLS. Lockers easily relocated.

Specify the 300 Series lockers for the highest customer satisfaction from the no-assembly ready-to-use delivery through years of trouble free operation.

Architects, designers and government agencies specify the 300 Series due to the high quality manufacturing which means virtually no installation costs!

- The 300 Series is the first one piece locker available that is not molded of soft and flammable HDPE plastic material.
- The construction of fiberglass reinforced plastic is highly resistant to impact, stains and will not corrode.
- Designed after our very popular 350 Series lockers and available in 6 styles providing flexibility for site locations.



American Bicycle Security Company

P.O. Box 7359

Ventura, CA 93006

Ph: (800) 245-3723 or (805) 933-3688

Fax: (805) 933-1865

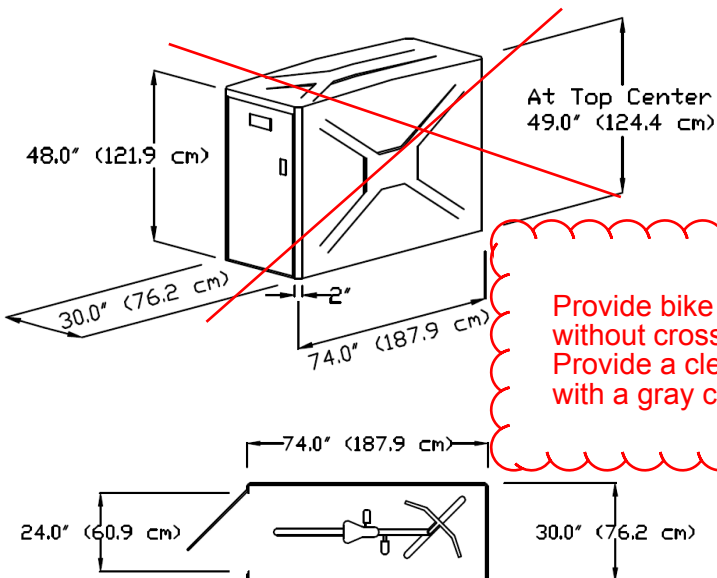
www.ameribike.com

Email: turtle@ameribike.com

Bike-Shell™ Model 301



Oltmans Construction Company
 Magnolia Science Academy
 SUBMITTAL NO: 02841.01
 SUBCONTRACTOR: Turtle Storage/American Bicycle
 The information contained within this submittal has been reviewed for general conformance with the requirements of the work and the contract documents. This review does not relieve the subcontractor and/or supplier from responsibilities stipulated in the contract.
 BY: SJ DATE: 3/12/19
 All Pages Reviewed



Product Bike-Shell™ Model 301

Capacity 1 door/1 Bike

Materials Locker shall be manufactured of molded fiberglass reinforced plastic composite with a smooth "X" and "Y" pattern on stippled walls and top, with smooth door frame and stippled door. Material shall be E-glass and polyester resin at 35% ratio.

Tensile Strength, 18,000 psi. Locker shall be one piece with no external or internal frame and no seams or joints on tops or side walls. Material shall withstand over 300 lb/sqft on roof and 200 lb/sqft on walls/doors.

NO ON SITE ASSEMBLY SHALL BE REQUIRED.

Roof shall be crowned for water run-off and all corners shall have a smooth radiused finish. Finish of UV stabilized gelcoat does not need painting, allows solvent removal of graffiti and is resistant to impact and UV damage.

1 door/1 bike

Included optional hardware: PN#030 - Louvered Vents - Stainless Steel Construction. 1 per door.

Setback Please allow 5ft clearance for door

Hardware High quality custom continuous door hinge will not rust. All fasteners on locking system shall be zinc plated or better. Locker shall anchor in all four corners through base flanges using expansion anchors. See last page for anchoring details.

Locks 2 Standard Lock Options (No charge)
 ●Fort Lock 7 pin tumbler Pop Out "T" handle locks with three keys and removable lock cylinders. Internal locking hardware consists of three plated hardened steel cams controlling an extruded aluminum locking bar which engages the door frame over three foot span.

●Heavy duty stainless steel Padlock/U-Lock handle will accommodate high security Padlocks and U-Locks. For U-Locks from 1/2" to 3/4" Diameter. Padlocks and U-Locks not included.

Colors 2 Standard Color Options (No charge)



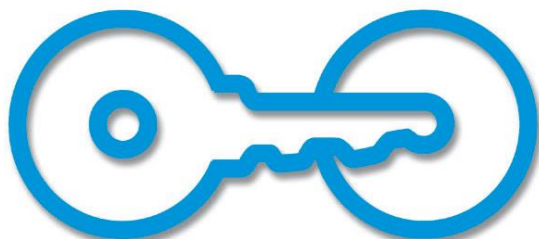
Please call for custom color, or color match information



T-Handle



Padlock/U-Lock Handle



American Bicycle Security Company

P.O. Box 7359
 Ventura, CA 93006
 Ph: (800) 245-3723 or (805) 933-3688
 Fax: (805) 933-1865
www.ameribike.com
 Email: turtle@ameribike.com

Bike-Shell™ Model 301



ASSEMBLY INSTRUCTIONS 300 SERIES BICYCLE LOCKER – Model 301

Your bike locker does NOT require any general assembly.

Tools Needed:

Minimum requirements

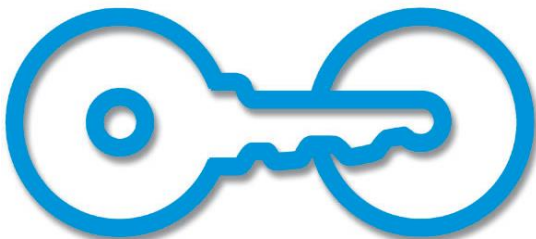
- 3/8" electric drill (anchoring & installing diagonal divider wall)
- 3/8" electric rotary hammer drill (anchoring)
- 1/4" drill bit (anchoring & installing diagonal divider wall)
- 1/4" hammer drill bit (anchoring)
- hammer (anchoring)
- Tape measure - minimum 10' (anchoring & installing diagonal divider wall)
- Extension cord 25' (anchoring & installing diagonal divider wall)
- Generator or other source of power (anchoring & installing diagonal divider wall)
- Safety glasses and any other equipment specified by the tool manufacturer. (All Steps)

-Choose location which allows a minimum 4' distance between door face and any obstruction to allow bicycle to maneuver into locker and the door to swing open without hitting high spots such as concrete or asphalt raised by roots. If desired, for grouping of units, chalk a line for straight edge with which to work. A preferred site would be concrete although asphalt can be used. Site should be flat although it does not necessarily have to be level.

ANCHORING

The lockers should be anchored to the ground for optimum longevity and proper operation of the locking system. Therefore, anchoring each unit to the ground is advisable. The 301 and 302 lockers are anchored in the 4 corners of the flange located around the inside of locker, the 301P, & 301V are anchored in the front two corners of the locker and the rear. First square the doors in the frame. Out of square doors are due to the site being uneven. To square the door, using a flat bar, raise the corner of the locker to make the door in square. If any adjustment is necessary it should only be slight. Place a shim under the corner to retain the alignment and height. Shim should be placed in a location under the base flange very close to hole for the anchor. This allows the downward force of the anchor to be supported underneath and prevent cracking of the base flange at the anchor location. Drill through the base flange on the locker with 1/4" drill. With hammer drill and 1/4" masonry bit you can then drill into concrete surface. Drop the nail-in anchor through flange and into the hole, pound pin down flush with top of mushroom head of anchor. Do this at all four corners of door frame on 301 & 302 lockers. On 301P and 301V do this in the front two corners of the door frame and in center of rear wall.

Oltmans Construction Company
Magnolia Science Academy
SUBMITTAL NO: 02641-01
SUBCONTRACTOR: Turtle Storage/American Bicycle
The information contained within this submittal has been reviewed for general conformance with the requirements of the work and the contract documents. This review does not relieve the subcontractor and/or supplier from responsibilities stipulated in the contract.
BY: EJ DATE: 3/12/19
All Pages Reviewed



Page 2 of 3

American Bicycle Security Company

P.O. Box 7359

Ventura, CA 93006

Ph: (800) 245-3723 or (805) 933-3688

Fax: (805) 933-1865

www.ameribike.com

Email: turtle@ameribike.com

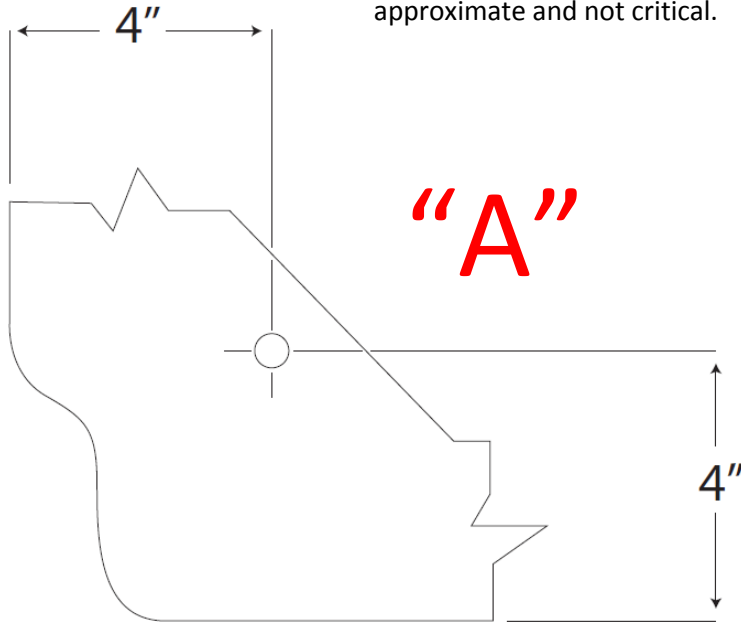
Bike-Shell™ Model 301



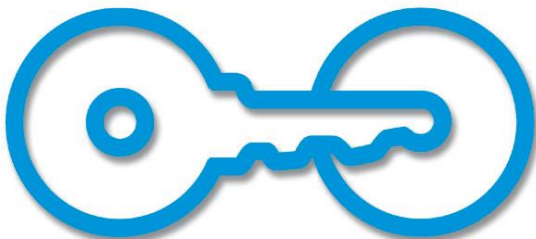
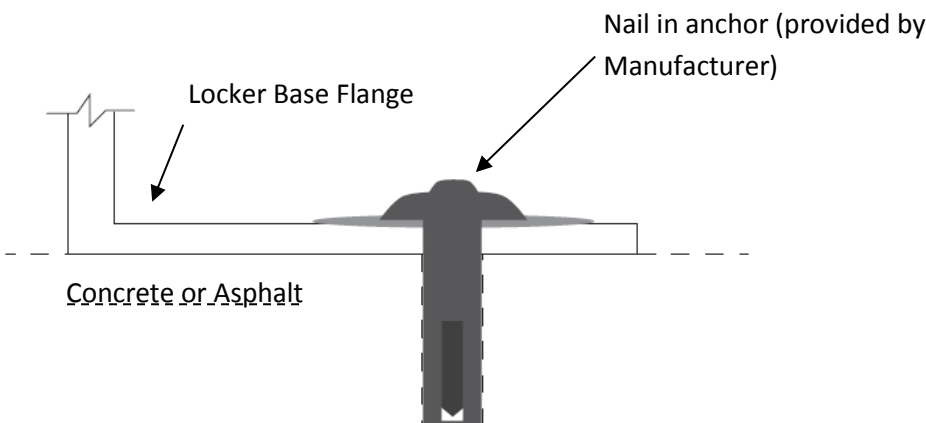
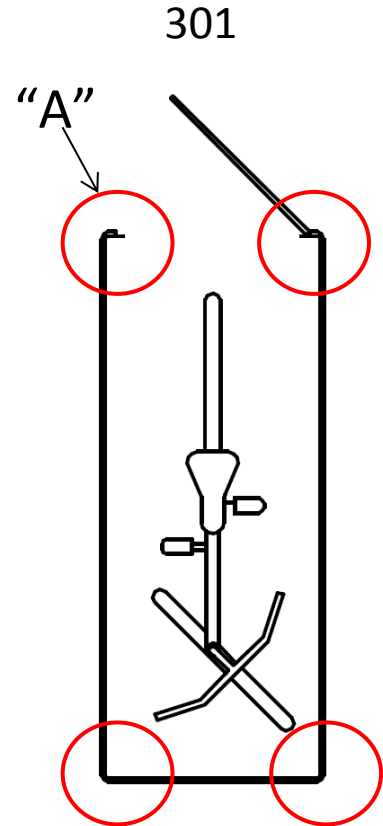
Anchoring Information

Oltmans Construction Company
Magnolia Science Academy
SUBMITTAL NO: 2019-01
SUBCONTRACTOR: Turtle Storage/American Bicycle
The information contained within this submittal has been reviewed for general conformance with the requirements of the work and the contract documents. This review does not relieve the subcontractor and/or supplier from responsibilities stipulated in the contract.
BY: [Signature] DATE: 3/12/19
All Pages Reviewed

NOTE: Hole position is only approximate and not critical.



Top View Anchoring Flange Inside Locker



American Bicycle Security Company

P.O. Box 7359
Ventura, CA 93006
Ph: (800) 245-3723 or (805) 933-3688
Fax: (805) 933-1865
www.ameribike.com
Email: turtle@ameribike.com

TURTLE STORAGE, LTD.

dba. American Bicycle Security Company
Composite Plastic Products

P.O. Box 7359
Ventura, CA 93006
Ph: 800-BIKE-SAF (245-3723) or Fax: (805) 933-1865
turtle@ameribike.com



Estimate

Date of Estimate	Rep	Estimate No.
3/28/2019	BC	14172

Estimated To

Oltmans Construction Co.
10005 Mission Mill Road
Whittier, CA 90601
SubInvoices@oltmans.com
SEND WITH PAYMENT DOCS

Contact **Le Phu**
Phone **(562) 948-4242** Fax **(562) 695-5299**
E-mail **lep@oltmans.com**

Ship To

18220 Sherman Way
Reseda, CA 91335

Job Name **Magnolia Science Academy**

Expires	Terms	Lead Time*
Estimate is guaranteed for 30 days	Net 35	8-10 Weeks

Qty.	Item	Description	Class	Cost/Unit	Total
4	LOCKERS	DBL1 Bike Locker - Metal (assembly required); includes all installation hardware. Includes Leveling feet, floor panel & ventilating window on doors. - Bicycle Capacity: 1 bike capacity per locker. - Dimensions: 49" H X 32" W X 76" L Options: - Locking System: Keyed lock or Padlock Handle - Finish Option: Powder Coated COLOR TBD	Retail	1,950.00	7,800.00T
82	LA Hoop	LA Hoop - Inverted "U" style bicycle rack specified by Los Angeles, CA. "U" style lock compatible. Includes all hardware to build and install. - Bicycle Capacity: 2 bike capacity per rack. - Class: 3 - Dimensions: 36"H X 25"W - Material: 2.375" OD schedule 40 pipe. Options: - Finish: Galvanized or Powder Coated COLOR TBD - Installation: Surface Mount with Tamperproof hardware	Retail	200.00	16,400.00T
	DISCOU...	Discount - Bicycle Locker	Retail	-390.00	-390.00
1	FREIGHT	Freight - Customer is responsible for unloading truck unless otherwise noted. NO LIFT GATE IS INCLUDED. If lift gate is needed, additional fees may apply.	Retail	2,000.00	2,000.00

*Based on current production schedule, subject to changes.

The customer is responsible for unloading the truck, freight does not include liftgate on truck, unless otherwise specified.

International Shipments do NOT include duties, taxes, & customs fees.

If Additional Insured for insurance is required there is a fee of \$100 per entity that must be named on the certificate. This fee is not included in this estimate.

Subtotal \$25,810.00

CA - Sales Tax (9.5%) \$2,261.95

Total USD **\$28,071.95**

Thank you for the opportunity of quoting your project.

Item #19 from contract qualifications:

19. Site Work:

- a. LA Hoop "U" style bicycle rack will be manufactured by American Bicycle.
- b. Bike lockers will be model #301 manufactured by Bike Shell.



Fri 3/29/2019 8:25 AM

Turtle Storage <turtle@ameribike.com>

RE: MSA - 02841-01 & 02 Reviewed bike submittal (Rejected)

To Elizabeth Lara

Cc Trevor Lawton

Retention Policy Oltmans Inbox Retention Policy (60 days Expires 5/28/2019)

ISSUE CONTRACT CO OR SCO

i This item will expire in 21 days. To keep this item longer apply a different Retention Policy. Follow up. Start by Thursday, May 2, 2019. Due by Thursday, May 2, 2019.

Hey Elizabeth,
 We did have a price increase in these racks in around August of last year. The price per unit (now) is \$240 per LA Hoop. This price reflects a slight change in cost because of that. Also, these "new" bike lockers are now coming from out of state. We do NOT manufacture these bike lockers. This is why freight is higher than before. The model 301 is manufactured by us in CA, so freight was lower.

Respectfully,
Brittany Chavez
 Sales Manager
 American Bicycle Security Company®

Bicycle Storage & Racks:	
Contract Amount:	\$23,690.00
<i>Model 301 & LA Hoop</i>	
Revised Cost:	\$28,072.00
<i>Revised Model - DBL1</i>	
<i>Price Increase on LA Hoop</i>	
<i>Price increase on Freight</i>	
Added Cost:	\$ 4,382.00



10860 MIDBURY AVE.
Fontana, CA 92337
909.357.0551
Est. 1954
www.shcabinets.com

November 27, 2018

Page 1 Of 1

Oltmans Construction Company
10005 Mission Mill Road,
Whittier, CA 90601
(562)948-4242 Fax (562)463-4984
Trevor Lawton

Project: Magnolia Science Academy
18220 Sherman Way
Reseda, CA 91335

PCO # 8339- 01

WE HEREBY SUBMIT THIS PROPOSED CHANGE ORDER TO provide and install Added Base Cabinet, Upper Cabinet and extended quartz countertop **PER RETURNED Shop Drawings #064000-02**

Scope: Room 202 Added 3' of Base cabinets and Countertop

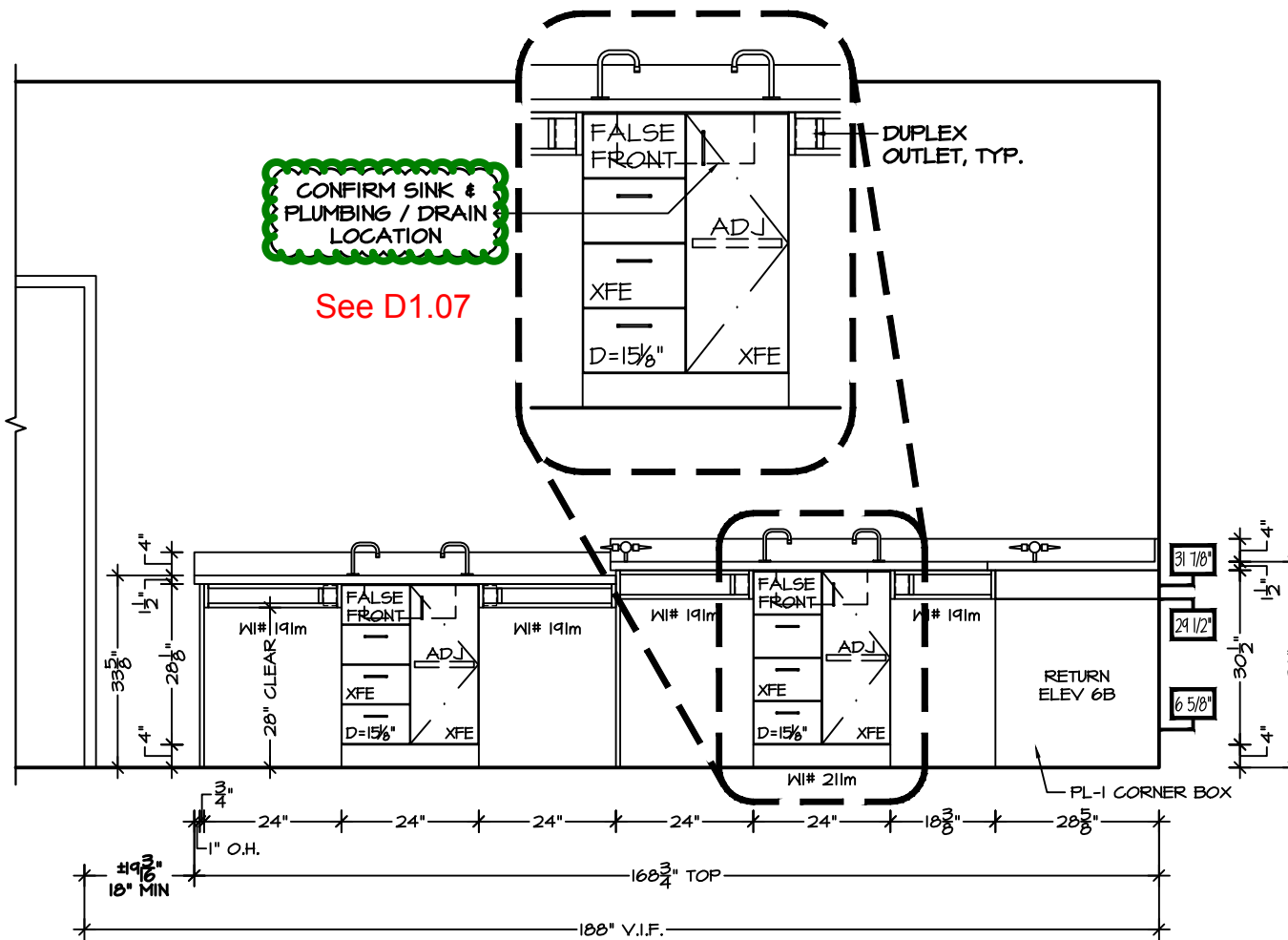
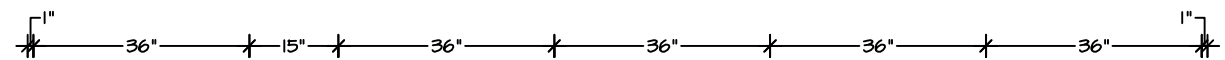
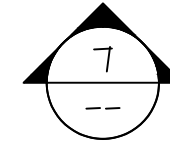
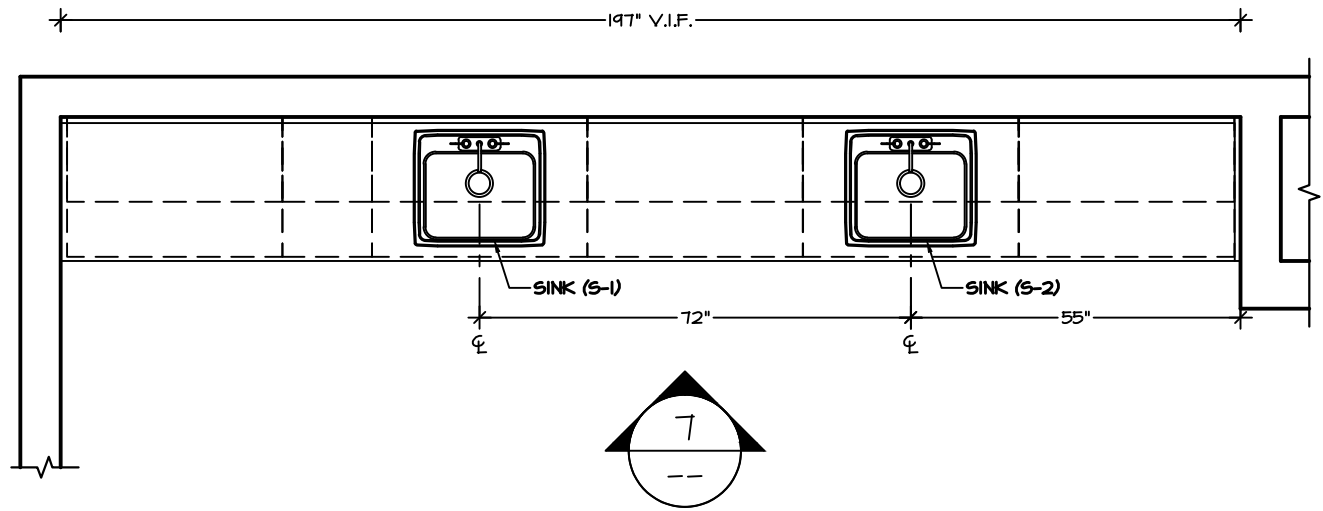
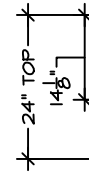
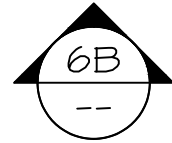
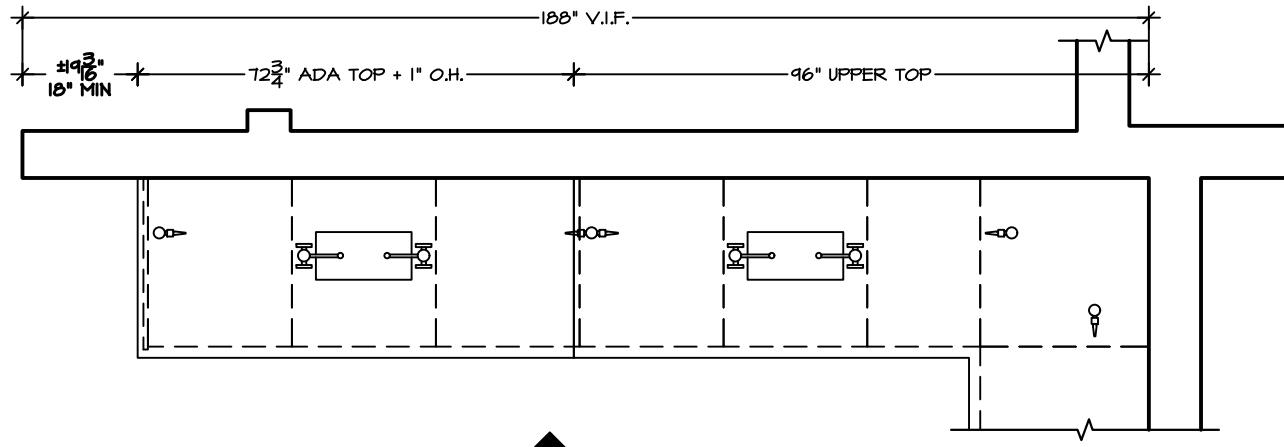
Total Add:\$ 1,840

Acceptance of this bid includes by reference, acceptance of our "Standard Terms and Conditions" which are an integral part of this bid and include but are not limited to the following: Payment net 30 days. Price valid for 60 days. Excludes "pay when and if paid" or similar contract clauses. Excludes CG20101185 additional insured endorsement. Includes additional insured endorsement form GC20101001. Other forms may be available at an added cost. Includes sales tax if applicable. Includes 10% fee for mobilization, shop drawings, samples, etc. If plastic laminate is not specified, we may select laminate manufacturer and a non-premium priced single color for entire job. This proposal shall become part of contract or purchase order if price is accepted.

Thank You,
Rich Hansen

ACCEPTED BY _____

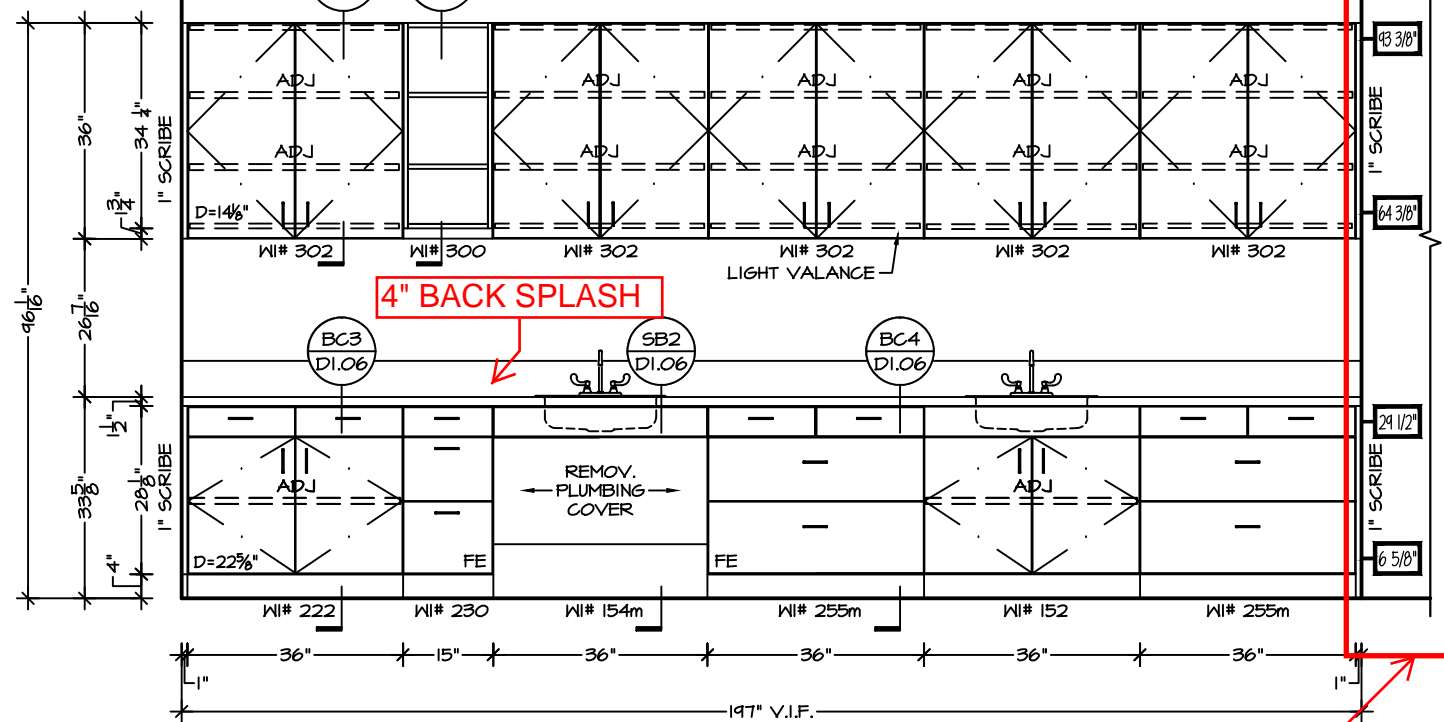
PART OF 064000-02 REVIEWED SUBMITTAL



CONFIRM SINK & PLUMBING / DRAIN LOCATION

See D1.07

6B LAB DESKS WEST ELEVATION
SCALE: 3/8"=1'-0"
REF. ARCH. PLAN: 1/A9.3
REF. ARCH. ELEV: 8/A9.3
COUNTERTOP: QS-1
CABINETS: PL-1



4" BACK SPLASH

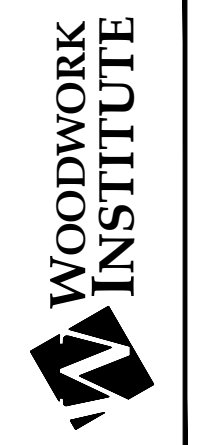
7 BIO LAB, ROOM 202
SCALE: 3/8"=1'-0"
REF. ARCH. PLAN: 4/A9.3
REF. ARCH. ELEV: 7/A9.3
COUNTERTOP: QS-1
CABINETS: PL-1

drain pipe shaft got eliminated- extend millwork to wall see SK- 029 attached

A/E Please verify all clouded items

TYPICAL ARCHITECT / G.C. SHEET NOTES:
ALL ADA ACCESSIBLE CASEWORK IS MANUFACTURED 3/8" LESS THAN THE SPECIFIED HEIGHT. THIS ALLOWS COMPLIANCE WITH ADA CODE REQUIREMENTS & SHIM SPACE TO ADAPT TO OUT OF LEVEL FLOORS.
ALL DIMENSIONS ARE APPROXIMATE AND ARE NOT FIELD VERIFIED. USE OF THESE DRAWINGS FOR CONSTRUCTION PURPOSES IS AT YOUR OWN RISK

PROJECT NAME
Magnolia
Science Academy



10860 Mulberry Ave.
Fontana, CA 92337
909.357.0551
Est. 1954
www.shcabinets.com



JOB #
8239AD

SHEET
1.07



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM
PCI034

TITLE: Chem Lab Emergency Natural Gas Shut Off (RFI 191)

DATE: 05/14/2019

PROJECT: Magnolia Science Academy

PROJECT NO.: 18049

TO:

Magnolia Educational and Research Foundation
250 E. 1st St., 1500
Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment as required per changes issued on RFI #191. The gas system as shown on the plumbing drawing P-8 did not include an emergency gas shut off valve in the chemistry lab (room #201) to shut off turrets in case of an emergency.

Added scope includes furnish and install Isimet Panel to be used as emergency gas shut off, to be located adjacent to the strike side of the door within the framed rated wall. Includes 120V single phase solenoid valve assembly, schedule 40 1" gas piping to loop up and down from the first floor attic space to the new proposed Isimet panel location. Includes all necessary piping hangers, supports, fire caulking at floor penetrations, pipe labels, seismic bracing as necessary and pre-functional testing.

_Includes power for the 24 vac for the gas shut off system, includes installation of a push button emergency shut off switch(provided by PV&C) on the desk as means of disconnect.

This PCI excludes any items not identified above including additional move-ins, engineering, testing and permits. It excludes any schedule associated impacts, general conditions, future changes caused by City review or inspections.

Vendor	Description	Amount
P.V. & C. PLUMBING	Plumbing: COR 7 Gas Emergency Shut Off	9,697.00
Safeway Bldg. Systems Inc. dba Safeway Electric	Electrical: COR #19	774.00
	SUBTOTAL:	10,471.00
	Bond	86.00
	Gross Tax	14.00
	GL	102.00
	SDI	131.00
	Fee	536.00
	SUBTOTAL:	869.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		11,340.00

APPROVAL:

Oltmans Construction Co.

BY: Trevor Lawton

DATE:

APPROVAL:

Magnolia Educational and Research

BY:

DATE:



PLUMBING & PIPING INC.

1620 S. Grove Ave., Ste. B, Ontario, CA 91761

(909) 595-9434

CHANGE ORDER PROPOSAL

DATE: 4/22/2019	G.C. PROJECT MANAGER / SENT TO: Trevor Lawton
CONTRACTOR: Oltman's Construction	PROJECT: Magnolia Science Academy
ADDRESS: 10005 Nission Mill Road	JOB NO: 2027 COR # 7
CITY, STATE, ZIP: Whittier, Ca 90601	REF NO: RFI: 191

DESCRIPTION OF WORK:

Reference the response given to RFI No. 191. The cost impact herein is inclusive of providing and installing (1) new Isimet panel to be used as an emergency natural gas shut off, serving Chem Lab Rm #201 (second floor level). The proposed location of the Isimet panel will be adjacent to the strike side of the door, within the existing 6" wood framed rated wall. Includes installation of (1) Isimet LSP-1211-G3-U-ATV-FIRE RATED 18" x 18" x 6" flush controller cabinet, installation of (1) Isimet S-303-VA-1-1-X-U-F8 120 V single phase solenoid valve assembly, all necessary 1" sch 40 blk gas piping to loop up / down from the first floor attic space to the newly proposed Isimet panel location, all necessary piping hangers / supports, fire-caulking at floor penetrations, pipe labels at +/- 30' intervals (or either side of Isimet panel), seismic bracing as necessary at +/- 30' intervals, and pre-functional testing upon completion.

Note: Electrical scope performed by other(s).

TYPE OF MATERIAL	QTY	UNIT	UNIT COST	AMOUNT	TRADE	HOUR	RATE	AMOUNT
See attached material back-up	1	FLAT	\$395.56	\$395.56	STRAIGHT TIME			
					PLM GF		108.63	\$0.00
					PLM FM	4.0	102.19	\$408.76
Isimet LSP-1211-G3-U-ATV 18" x 18" x 6" controller cabinet (Please allow 4-5 weeks for delivery)	1	EA	\$4,138.75	\$4,138.75	PLM JM	18.0	92.51	\$1,665.18
					WELDER		117.60	\$0.00
					PREMIUM TIME			
					PLM GF		147.57	\$0.00
Freight / Shipping	1	FLAT	\$55.00	\$55.00	PLM FM		138.05	\$0.00
Isimet S-303-VA-1-1-X-U-F8 (Please allow 4-5 weeks for delivery)	1	EA	\$793.35	\$793.35	PLM JM		123.77	\$0.00
					WELDER		173.25	\$0.00
					DOUBLE TIME			
Freight / Shipping	1	FLAT	\$25.00	\$25.00	PLM GF		185.57	\$0.00
					PLM FM		173.01	\$0.00
					PLM JM		154.17	\$0.00
					Welder		235.20	\$0.00
TOTAL				\$5,407.66	WAGE BENEFITS			included
SALES TAX				included	TRAVEL	2.25	\$92.51	\$208.15
TOTAL MATERIAL COSTS				\$5,407.66	TOTAL LABOR COSTS			\$2,282.09

MISC. TOOLS & EQUIPMENT								
ITEM	QTY	UNIT	UNIT COST	AMOUNT	SUMMARY			
Rolling scaffolding (rental)	0.5	week	\$375.00	\$187.50	TOTAL MATERIAL COST			\$5,407.66
Collins 22A pipe machine (rental)	1	DAY	\$55.00	\$55.00	TOTAL LABOR COST			\$2,282.09
				\$0.00	TOTAL MISC. COST			\$742.50
				\$0.00	TOTAL COST			\$8,432.25
Flat-bed delivery truck from shop (delivery / pick-up of scaffolding)	2	RND TRIP	\$250.00	\$500.00	OVERHEAD & PROFIT	15%	\$1,264.84	
				\$0.00	TOTAL			\$9,697.08
				\$0.00				
charge not yet met)								
TOTAL MISC. COSTS				\$742.50	BOND			
GRAND TOTAL								\$9,697.08

2.25 working days are to be added to our contracted schedule timeline. This schedule change may effect other timelines.

EXCLUSIONS:

- 1) Assessments or fees.
- 2) Permit.
- 3) Overtime.
- 4) Double-time.
- 5) Electrical scope.
- 6) Drywall demo / removal.
- 7) Drywall repair / patch / paint touch-up.
- 8) Core-drilling.
- 9) Pressure gauge(s) / pressure regulator(s).
- 10) X-ray / deep scan of concrete deck.
- 11) Calculation(s) / drawing(s) / engineering.
- 12) Location(s) other than specified.
- 13) Qty(s) other than specified.
- 14) Material(s) other than specified.

See attached back-up sheets for detailed quantities, etc. The above pricing is only for items contained on this sheet. If any major items were missed during that takeoff, they are not contained in the pricing herein, and are subject to a supplemental pricing for that work. This pricing is good for 30 days.

Submitted by;



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

REQUEST FOR INFORMATION

RFI-191

SUBJECT:	Emergency Gas Shut Off Valve	DATE:	04/08/2019
PROJECT:	Magnolia Science Academy	PROJECT NO.:	18049
TO:	Etmny Cornejo Franco Architects Inc.	REQUIRED:	04/11/2019
FROM:	Elizabeth Lara Oltmans Construction Co.	COST IMPACT:	POTENTIALLY
		DAYS IMPACT:	POTENTIALLY

Co-Author: P.V. & C. PLUMBING **Contact:** Kris Gerke **Co-Author RFI Number:** PV&C 2027-01

Request:

Requested by Jeremy Snykes, PV&C, 4/8/19:

Per the end user job walk on 4/3/19:

The gas system on the plumbing drawings P8.0 doesn't include an emergency gas shut off valve in the class room (chemistry lab #201) to shut off to turret's in case of an emergency. Please provide a model and location for the valve.

Suggestion:

PV&C suggestion: We can pipe from the first floor through the valve and back to the first floor where the gas system was originally shown. This will help to keep the piping footage close to the original and hopefully not affect the sizing of the system.

Answer: **Accept Suggestion**

Answered By: _____

Date: 4-9-19

Distribution:



Request For Information

Date: 4/3/2019

Ref No. 2027-01

Attn: Jeff Rich

Project Title: Magnolia Science

Reference: P8.0

Request:

The Gas system on P8.0 does not include an Emergency Gas shut off valve in the class room to shut the gas off to the turret's in case of an emergency. Please provide a model and location for the valve.

Suggestion:

We can pipe from the first floor through the valve and back to the first floor where the gas system was originally shown. This will help to keep the piping footage close to the original and hopefully not effect the sizing of the system.

4/3/2019

Signature

Date



ISIMEI - LABORATORY SERVICE PANEL W/ MICROPROCESSOR & SOLENOID ASSEMBLY

Project Owner: _____
 Project Name _____
 Project Address _____
 Room # for Installation: _____
 (or # of Units if Room # unknown)



ISIMEI Job #: _____

Equipment Specifications Model #: LSP – _____

White Powder Coat Finish Door (1) Brushed Stainless Steel (2) Gray PC Enclosure W/ SS Door (4)
 Surface Mount (1) Flush Mount (2)
Enclosure 16 X 14 X 6 18 X 18 X 6 24 X 24 X 6 Other _____
Output Circuit **Single** **Dual** **Panel Switches** **1** **2**

Secondary Service: **Local** **Remote**

Services Controlled:				Enclosure Bulkhead Type:	
Service	Size	Valve	Solenoid	Standard Assembly w/ Grommets	
				"AT" - Air Tight w/o Vent	
				"ATV" - Air Tight w/ Vent	
Coil Voltage:			Control Voltage:		
24-vac Control applies only to secondary output when using 120-vac Coil; Otherwise all control & coil voltage is 24-vac or 12-vdc.					
Inlet Ball Valve				Piping Configurations:	
"XU" Ball Valve without union (Fuel Gas Systems)				Top – to – Bottom	
"TU" May be used on 1/2" thru 2" (General Service)				Bottom – to – Top	
"TUT" are for 1/2", 3/4" & 1" (General Service)				Custom _____	
TUT Non Lead Free Only – TUT to be phased out Mid-Summer					

Options:

- "L" - Door Louver
- "T" - Tee-Handle Operator
- "LS" - RF Module
- "F" - Y-Strainer
- "U" - Added Union (Fuel Gas Only)
- "EP" - Explosion Proof
- "P" - Piano Hinge
- "F2" - 2hr Fire Rated
- "D" - 12 VDC Output
- "B" - Backup Battery



CAUTION!

- Installation must comply with all local codes and ordinances.
- Connect only 120 VAC to this equipment.
- Refer to Model Number Description for Model Designators.
- Failure to follow recommended installation, operation, and / or maintenance procedures listed in the manual may void product warranty.

Application:

The *ISIMET* Laboratory Service Panel operates as a single output controller incorporating either a solenoid valve assembly or electrical contacts along with the digital switching mechanism within a single enclosure. An internal junction box houses the 120-vac line voltage along with transformer and circuit board. LSP is not suitable for application directly exposed to weather or wet conditions.

Door Panel Labeling:

Single Output Solenoid Systems are labeled per Enclosure Style i.e. **“NATURAL GAS SERVICE PANEL”**

Dual Output Systems are labeled **“LABORATORY SERVICE PANEL”**

Door Panel Label Options:

LABORATORY SERVICE PANEL

NATURAL GAS SERVICE PANEL

DOMESTIC WATER SERVICE PANEL

COMPRESSED AIR SERVICE PANEL

LP GAS SERVICE PANEL

CUSTOM

Custom _____

Electrical Specifications:

Style	# Output Circuits	Output Rating	Transformer	Relay Rating
LSP	1	1.5 amp @ 24 vac	2 amp @ 25VCT	1 @ 1.5 amp @ 24 vac
LSP	2	1.5 amp @ 24 vac	3 amp @ 25VCT *	2 @ 1.5 amp @ 24 vac
LSP	Custom	1.5 amp @ 24 vac	3 or 4 amp @ 25VCT *	1.5 amp MAX.
LSP	Custom-3”	1.5 amp @ 120 vac	1 amp @ 25VCT	1.5 amp MAX.

*Based on Specific Output Ratings.

Enclosure Features:

Door Lock – All units are provided with a key door lock

Operation - Key Switch: Momentary switch for an “ON” Cycle

Control Switch – Activates the output circuit with keying for “ON”.

Push Button Switch: Momentary contacts disengage the system requiring re-keying to active “ON”.

Panic Notification – The unit is equipped with a “Panic” output circuit that can be utilized as a notification signal to an alarm system. One Circuit is a dry-contact. The second Circuit can be field configured as a dry-contact or as 24-vac output.

LED Indicators – A Green “ON” or active LED illuminates with service “ON”. A lower Red LED indicates that “Panic” has interrupted service and the notification circuit is active.

Standard Units are Flush Mounted W/ White Powder Coat Door

Resets included on all solenoid outputs

Dual Output Circuit Option:

The unit is available as a dual output system where the second output controls a 24-vac device that is remote of the Service Panel.

Other Options: Enclosure size varies based on specific custom assemblies. Four inch deep boxes are available for piping through ¾” for custom applications.

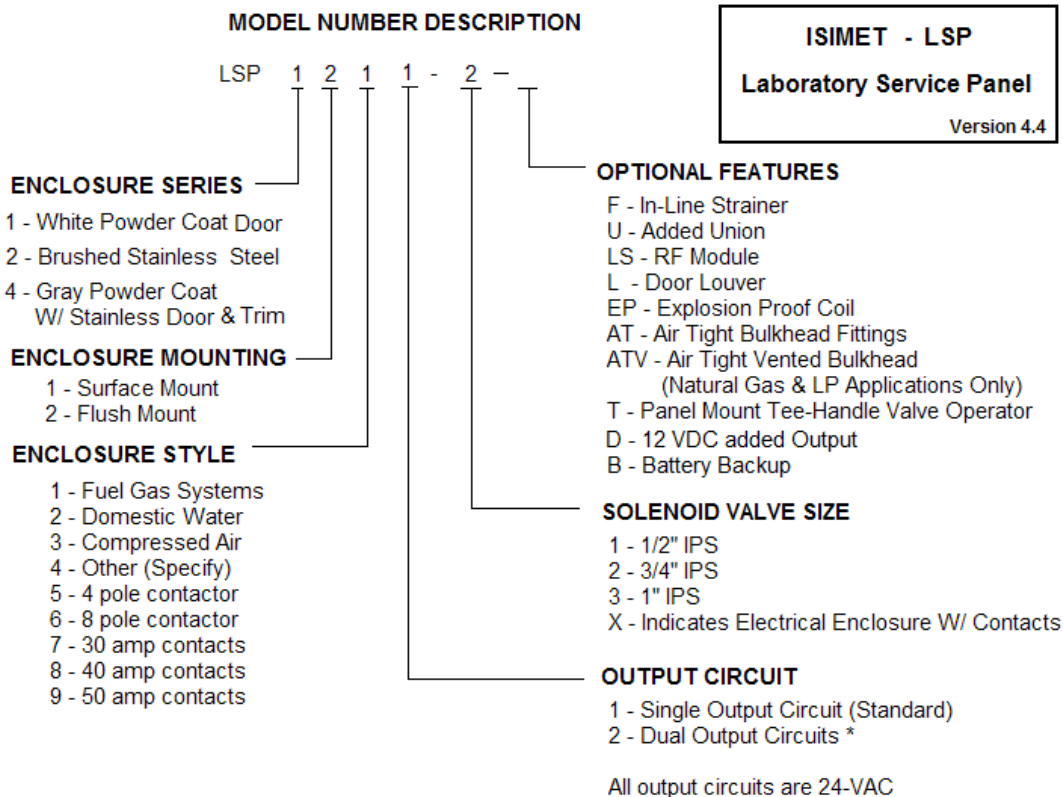
Valve assemblies utilizing General Service Solenoids are non-lead free but are optionally available as lead free assemblies.

Program Setting Options:

NOTES: Setting Circuit Function = 2 & Circuit Timing = 3 results in no timing operation.

Setting Circuit Function = 3 & Circuit Timing = 3 results in separate timing for Circuits 1 & 2 based upon setting Standard Circuit Timing and equivalent Fan Timing.

Choice	Function	Options
	EMS Energy Management	1 – EMS Disables Unit Operation 2 – EMS Enables Unit Operation 3 – Timing Function Enables Unit Operation
	EMS Timing Function	1 – 8 Hours 2 – 10 Hours 3 – 12 Hours
	EMS Input	1 – 24-vac Input 2 – Dry-contact Input
	Alarm Input	1 – 24-vac Input 2 – Dry-contact Input
	Remote Panic Input	1 – Remote Panic Impacts Panic Function 2 – Remote Panic Impacts Alarm Function
	Remote Panic Input	1 – Remote Panic Impacts Panic Function 2 – Remote Panic Impacts Alarm Function
	Panic Output	1 – Standard Output W/ Panic 2 – Momentary Output W/ Panic 3 – Inverted Panic Output
	Circuit Function	1 –Output Circuits Operate by Individual Switches 2 – Output Circuits Operate by a Single Switch 3 – Output Circuit 2 Operates Exhaust Fan
	Circuit Timing Function	1 –No Circuit Timing 2 – Circuits Operate on a Single Determined Time Sequence 3 – Circuit 2 Exhaust Fan Operates on a Time Sequence
	Standard Circuit Timing	1 – 1 Hour 2 – 2 Hours 3 – 3 Hours
	Fan Circuit Timing	1 – 15 Minutes 2 – 30 Minutes 3 – 60 Minutes



Field Configurable Notification Output Circuit is Standard on all systems

* Second Output Circuit is intended for operation of a remotely located 24-VAC device

General Service Solenoids

Body:	Brass
Armature Tube:	Stainless Steel 300
Fixed Core:	Stainless Steel 400
Plunger:	Stainless Steel 400
Spring:	Stainless Steel 300
Shading Ring:	Copper
Orifice:	Brass

Series 220 Lead Free Solenoids

Body:	Lead Free Brass
Armature Tube:	Stainless Steel 300
Fixed Core:	Stainless Steel 400
Plunger:	Stainless Steel 400
Spring:	Stainless Steel 300
Shading Ring:	Copper
Orifice:	Lead Free Brass

Series 300 Fuel Gas Solenoids

Body:	Aluminum
Armature Tube:	Stainless Steel 300
Fixed Core:	Stainless Steel 400
Plunger:	Stainless Steel 400
Spring:	Stainless Steel 300
Shading Ring:	Copper
Orifice:	Brass

Ball Valve Specifications:

Apollo or Nibco Bronze 2-Piece Ball Valve. (or equivalent)
 All valves are full port, bronze

Valve Station Suffix:

“TU” – General Service Threaded Union - **150 psi CWP 600 psi CWP MSS SP-110**

“XU” – Non-Union - **150 psi SWP 600 psi CWP MSS SP-110**

Valves for fuel gas systems are UL Listed but are not available with the integral output union (XU) only.

Valves greater than 2” only available in “XU”

Recommend the use of Series 220 for all domestic water systems.

2” Lead Free Solenoids are Currently Not Available. Recommend use of S-200-SS for these applications.

S-301 – S-304 & S-308 are 0 Differential; S-305 & S-306 are 0.015 psi Differential.

Caution should be used if S-305 and S-306 solenoids are used in science lab applications.

For domestic water systems, where minimum pressure differentials across the orifice prohibit the solenoid from functioning properly the Series S-100-SS solenoids should be utilized.

ISIMET Model	Port Size (in)	Orifice Size (in)	Min. Pressure Diff.	Flow Factor CV	Operation Pressure		24/60 VAC	
					Air/Gas psi	Water psi	VA Inrush	VA Holding
S-101-SS	1/2	.5	0	4.8	230	230	25	14.5
S-102-SS	3/4	.75	0	9.8	230	230	25	14.5
S-103-SS	1	1	0	14	230	230	25	14.5
S-201	1/2	.5	2	4.8	230	230	25	14.5
S-202	3/4	.75	2	9.8	230	230	25	14.5
S-203	1	1	2	14	230	230	25	14.5
S-204	1 1/4	1.375	2	28	150	150	25	14.5
S-205	1 1/2	1.5	2	36	150	150	25	14.5
S-206	2	2	2	53	150	150	25	14.5
S-222	3/4	3/4	2	9.8	230	230	25	14.5
S-223	1	1	2	14	230	230	25	14.5
S-224	1 1/4	1 3/8	2	28	150	150	25	14.5
S-225	1 1/2	1 1/2	2	36	150	150	25	14.5
S-301	1/2	.71	0	4.0	3	171,600 *	45	27
S-302	3/4	.71	0	4.9	3	241,500 *	45	27
S-303	1	1.26	0	1.2	0.75	635,500 *	45	27
S-304	1 1/4	1.26	0	14	0.75	762,700 *	45	27
S-305	1 1/2	1.89	0.015	41	3	2,225,530 *	45	27
S-306	2	2.0	0.015	50	3	2,732,994 *	45	27
S-501	1/2	.5	3	4.2	225	225	12.9	8
S-502	3/4	.75	3	6.4	225	225	12.9	8
S-503	1	1	4.5	10.5	225	225	12.9	8

* BTU @ 0.60 Specific Gravity W/ pressure drop of 0.5 inch water column

The operation of emergency devices including emergency showers and eyewashes should not be integrated with this system for either activation or deactivation.



Valve Assembly Submittal

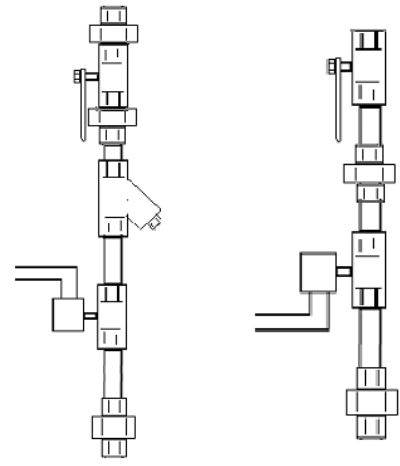
Project Owner: _____

Project Name: _____

Project Address: _____

Room # for Installation: _____

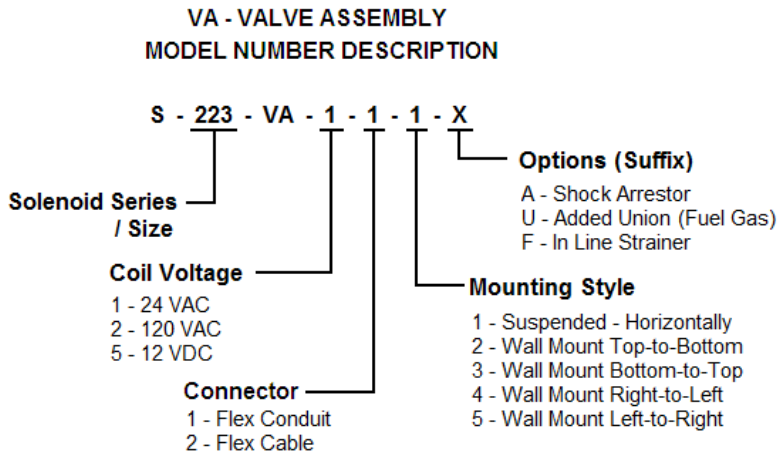
(or # of Units if Room # unknown) _____



ISIMET Job #: _____

Utility Services Controlled:					Options:						
Assembly	Size	Use	Solenoid Series	Coil Volt	Ball Valve	Added Union	Shock Arrestor	Y-Strainer 20 Mesh	Y-Strainer 80 Mesh	Lead Free	Other
1											
2											
3											
4											
5											
Standard = "XU" and All Fuel Gas Systems "TU" May be used on 1/2" thru 2" Services "TUT" are for 1/2", 3/4" & 1" Services "FB" May be used on 1/2" thru 2" Services FB & TUT Non Lead Free Only-TUT to be phased out by Mid-Summer					Coil Voltage: 24 VAC 120 VAC "XXXXXXXXXXXX"34"XFE Flexible Conduit Flexible Cable						

In-Line Strainers are recommended for all fluid systems and other systems where contaminants are present. Solenoids should not be mounted so that solenoids are positioned in a downward position. Image is generic and may not reflect actual assembly.

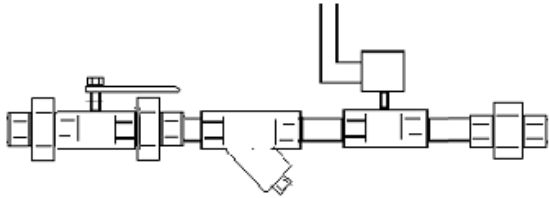


The operation of emergency devices including emergency showers and eyewashes should not be integrated with this system for either activation or deactivation.

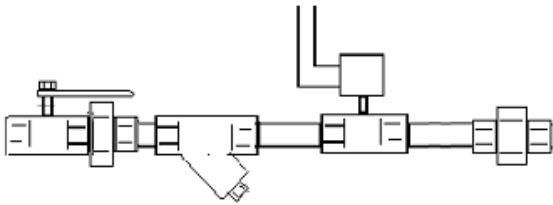
DOC# 12035

March 2014

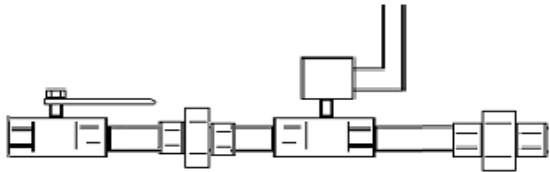
Valve Assembly Configurations



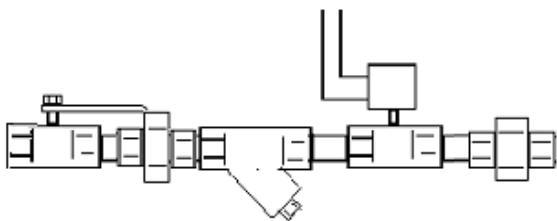
Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____



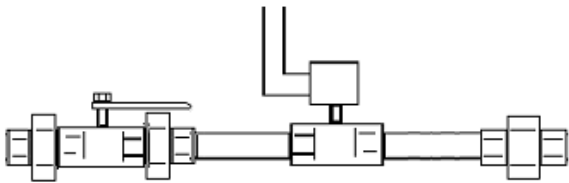
Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____



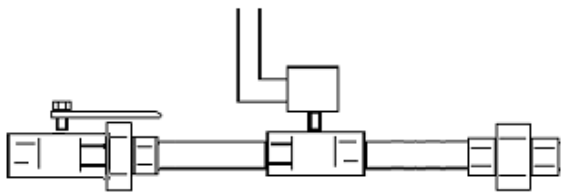
Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____



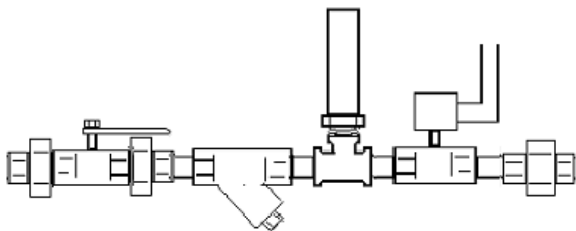
Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____



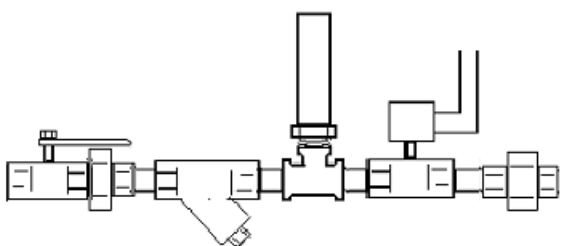
Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____



Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____



Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____



Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____

Solenoid Specifications

ISIMET Model	Port Size (in)	Orifice Size (in)	Seat Material	Min. Pressure Diff.	Flow Factor Cv	Operation Pressure		24/60 VAC		120/60 VAC	
						Air/Gas psi	Water psi	VA Inrush	VA Holding	VA Inrush	VA Holding
S-201	1/2	.5	NBR	2	4.8	230	230	25	14.5	25	14.5
S-202	3/4	.75	NBR	2	9.8	230	230	25	14.5	25	14.5
S-203	1	1	NBR	2	14	230	230	25	14.5	25	14.5
S-204	1 1/4	1.375	NBR	2	28	150	150	25	14.5	25	14.5
S-205	1 1/2	1.5	NBR	2	36	150	150	25	14.5	25	14.5
S-206	2	2	NBR	2	53	150	150	25	14.5	25	14.5
S-208	3	3	BUNA	3	77	225	225	-	-	45	27
S-222	3/4	3/4	FKM/NSF	2	9.8	230	230	25	14.5	25	14.5
S-223	1	1	FKM/NSF	2	14	230	230	25	14.5	25	14.5
S-224	1 1/4	1 3/8	FKM/NSF	2	28	150	150	25	14.5	25	14.5
S-225	1 1/2	1 1/2	FKM/NSF	2	36	150	150	25	14.5	25	14.5
S-301	1/2	.71	BUNA	0	4.0	3	171,600 *	45	27	45	27
S-302	3/4	.71	BUNA	0	4.9	3	241,500 *	45	27	45	27
S-303	1	1.26	BUNA	0	12	0.75	635,500 *	45	27	45	27
S-304	1 1/4	1.26	BUNA	0	14	0.75	762,700 *	45	27	45	27
S-305	1 1/2	1.89	BUNA	0.015	41	3	2,225,530 *	45	27	45	27
S-306	2	2.0	BUNA	0.015	50	3	2,732,994 *	45	27	45	27
S-308	3	3	NITRILE	0	93.6	45	5,188,000 *	-	-	113	113
S-401	1/2	.5	NBR	2	4.8	230	230	25	14	25	14
S-402	3/4	.75	NBR	2	9.8	230	230	25	14	25	14
S-403	1	1	NBR	2	14	230	230	25	14	25	14
S-501	1/2	.5	BUNA	3	4.2	225	225	12.9	8	-	-
S-502	3/4	.63	BUNA	3	6.4	225	225	12.9	8	-	-
S-503	1	1	BUNA	4.5	10.5	225	225	12.9	8	-	-
S-601	1/2	.625	NBR	0	2.8	TORR@.003	MERC @.00039	25	14.5	25	14.5
S-602	3/4	.625	NBR	0	2.8	TORR@.003	MERC @.00039	25	14.5	25	14.5
S-603	1	1	NBR	0	8.3	TORR@.003	MERC @.00039	25	14.5	25	14.5
S-605	1 1/2	1.89	BUNA	.15	41	TORR@.005	MERC @.00039	45	27	45	27
S-606	2	2.0	BUNA	.15	50	TORR@.005	MERC @.00039	45	27	45	27
S-702	3/4	.75	FKM	0	7	105	-	-	-	267	80
S-703	1	1.02	FKM	0	12	105	-	-	-	267	80
S-705	1 1/2	1.26	FKM	0	18	105	-	-	-	267	80
S-706	2	1.50	FKM	0	27	105	-	-	-	267	80
S-801	1/2	.55	FKM	0	3.1	105	105	57	23	57	23
S-802	3/4	.71	FKM	0	5.03	105	105	57	23	57	23
S-803	1	1.02	FKM	3	13	225	225	45	27	45	27
S-805	1 1/2	1.50	FKM	3	29	225	225	45	27	45	27
S-806	2	1.97	FKM	3	47	225	225	45	27	45	27
S-811	1/2	.55	BUNA	0	3.1	105	105	57	23	57	23
S-812	3/4	.71	BUNA	0	5.03	105	105	57	23	57	23
S-813	1	1.02	BUNA	3	13	225	225	45	27	45	27
S-815	1 1/2	1.50	BUNA	3	29	225	225	45	27	45	27
S-816	2	1.97	BUNA	3	47	225	225	45	27	45	27
S-822	3/4	.79	BUNA	3	5.9	225	225	45	27	45	27
S-823	1	1.02	BUNA	3	13	225	225	45	27	45	27
S-825	1 1/2	1.50	BUNA	3	29	225	225	45	27	45	27
S-826	2	1.97	BUNA	3	47	225	225	45	27	45	27
S-832	3/4	.79	PTFE	7.5	5.9	255	-	45	27	45	27
S-833	1	1.02	PTFE	7.5	13	255	-	45	27	45	27
S-835	1 1/2	1.5	PTFE	7.5	29	255	-	45	27	45	27
S-836	2	1.97	PTFE	7.5	47	255	-	45	27	45	27

- *BTU @ 0.60 Specific Gravity W/pressure drop of 0.5inch water column
- Vacuum is rated @ TORR and inches of Mercury
- For Stainless Steel – Refer to S-200 Series Specifications

Solenoid Valve Specifications:

Series 200 are Brass General Service NPT, Normally Closed 2 psi differential Solenoid Valves.

Series 200-SS are Stainless Steel General Service NPT, Normally Closed 2 psi differential Solenoid Valve.

(Use 200-SS for lead free applications where lead free solenoids are not available.)

Series 220 are Lead Free Brass General Service NPT, Normally Closed 2 psi differential Solenoid Valves.

(Series 200 and 220 Solenoids are available W/ DC Latching Coils for use in Water Piping Systems)

Series 300 are Fuel gas, Aluminum construction Normally Closed Solenoid Valves.

(Designed for low pressure fuel gas applications.)

Series 400 are Brass General Service NPT, Normally Open 2 psi differential Solenoid Valves.

(Intended for use as Bypass Valves in Circulated Hot Water Systems.)

Series 500 are Brass General Service NPT, Low Wattage, Normally Closed 3 - 4.5 psi differential Solenoid Valves.

Series 600 are Brass thru 1", 1 ½ & 2 " Aluminum NPT, Normally Closed Solenoid Valves for Vacuum Systems.

(Suitable for Medium to Fine Vacuums only.)

Series 700 are Bronze NPT, Normally Closed Solenoid Valves for Fuel Oil Systems.

Series 800 are Brass NPT, Normally Closed Solenoid Valves for Oxygen, Acetylene, Argon, and CO2 Systems.

Series 810 are Brass NPT, Normally Closed Solenoid Valves for Hydrogen and Nitrogen Systems.

Series 820 are Brass NPT, Normally Closed Solenoid Valves for Hi Pressure Gas Systems.

Series 830 are Brass NPT, Normally Closed Solenoid Valves for Helium Systems.

General Service Solenoids: Where adverse or harsh operating conditions exists in the water system such as the presence of hard water, then it is recommended that only Series 200 Solenoids with 12-VDC latching coils be utilized and that an extensive routine operating and maintenance program be developed by the end user to counter the effects of these conditions. Where operation of water containing corrosive agents, exotic or harsh mediums are intended for control by solenoid then verify application prior to installation. ISIMET cannot warrant against the effects of hard water, corrosive agents, contaminants, or debris present in the piping system or against effects of exotic or harsh substances. If specific operation conditions are in doubt, contact ISIMET prior to installation.

Maximum operating temperature for the solenoid is 180° F / 82.2° C

Coil Rating: Continuous duty totally encapsulated. Voltage Tolerances: +10%, - 10% of applicable voltage.

All Solenoid Standard Coils have a NEMA 1 Rating. Some valves are available as weather resistant and/or explosion proof.

DC Latching Coils are intended for use in applications where the presence of hard or corrosive water is anticipated to cause premature failure in the operation of the valve.

General Service Solenoids

Body:	Brass
Armature Tube:	Stainless Steel 300
Fixed Core:	Stainless Steel 400
Plunger:	Stainless Steel 400
Spring:	Stainless Steel 300
Shading Ring:	Copper
Orifice:	Brass

Series 220 Lead Free Solenoids

Body:	Lead Free Brass
Armature Tube:	Stainless Steel 300
Fixed Core:	Stainless Steel 400
Plunger:	Stainless Steel 400
Spring:	Stainless Steel 300
Shading Ring:	Copper
Orifice:	Lead Free Brass

Ball Valve Specifications:

Apollo or Nibco Bronze 2-Piece Ball Valve. (or equivalent)

All valves are full port, bronze

Valve Station Suffix:

“TUT” – General Service Double -Threaded Union (Through 1”) **600 psi CWP MSS SP-110**

“TU” – General Service Threaded Union **150 psi SWP 600 psi CWP MSS SP-110**

“XU” – Non-Union **150 psi SWP 600 psi CWP MSS SP-110**

“FB” – General Service Non-Union W/ integral 20 mesh strainer (Jomar Mfg.) (1/2” – 2”) **150 psi WSP 400 psi WOG**

FB & TUT Non Lead Free only – TUT will be phased out by Mid-Summer

Valves for fuel gas systems are UL Listed but are not available with the integral output union or strainers (XU) only.

Valves greater than 2” only available in “XU”

Recommend the use of Series 220 for all domestic water systems.

1/2” & 2” Lead Free Solenoids are Currently Not Available. Recommend use of S-200-SS for these applications.

S-301 – S-304 & S-308 are 0 Differential; S-305 & S-306 are 0.015 psi Differential.

Caution should be used if S-305 and S-306 solenoids are used in science lab applications.



"Building a Safe & Secure Southern California"

Request For Change Order

To: Oltmans Construction Co
10005 Mission Mill Road
Whittier, CA 90601

Project: Oltmans Magnolia Science Cnt

RFC No: 19

Date: 5/14/2019

Description: SCOPE:

Electrical Construction: This Change Order Request is for the Added SOW Pursuant to RFI 191 Response. Please see breakdown attached.

INCLUDES:

This proposal includes all materials, tax, equipment, and labor as needed to provide a complete and operable system for work as described herein.

EXCLUDES:

Overtime

Shift work

Permits & Fees

Inclusions and Exclusions of the Original Executed Contract will apply to this cost estimate

Anything not expressly included above



“Building a Safe & Secure Southern California”

Request For Change Order

To: Oltmans Construction Co
10005 Mission Mill Road
Whittier, CA 90601

Project: Oltmans Magnolia Science Cnt

The above work is subject to the same conditions as specified in the original contract unless otherwise stipulated.

Upon approval the sum of \$774.00 will be added to the contract price.

Original Contract	\$473,950.00
Other Approved Change Orders	\$10,847.53
Total Contract to Date	\$484,797.53
This Request	\$774.00
Other Pending Requests	\$70,525.76
Total Contract plus Pending RFCs	\$556,097.29

Authorized Signature: _____ Date: _____
Safeway Building Systems, Inc

Authorized Signature: _____ Date: _____
Oltmans Construction Co

1474 Miller Drive | Colton, CA 92324
Phone (909) 824-6441
Fax (909) 824-0571

www.safewaybsi.com

Lic # B/C-10 387886
Lic # C-46, C-7
ACO# 3998



Since 1980

"Building a Safe & Secure Southern California"

Change Order Request Form

Customer Oltmans Construction Project: Magnolia Science Academy
 Job Number: E129718
 Date: 10/15/18 COR 19

This COR is for the Added SOW Pursuant to RFI 191 Response.
The following SOW will be performed:

- 1. Provide power for the 24vac for the gas shut off system located above the T-bar in Room 201 Chem Lab**
- 2. Mount a push button emergency shut off switch, (to be provided by others), on the teachers island/desk as a means of disconnect**

Labor Costs

Position	Hours Worked	Hourly Rate	OT Hours	OT Rate	Total Cost
Journeyman	6	\$ 85.00		\$ 127.50	\$ 510.00
Foreman	1	\$ 95.00		\$ 142.50	\$ 95.00
Superintendent		\$ 105.00		\$ 157.50	\$ -
Mark Up 10%					\$ 60.50
Total Labor Costs					\$ 665.50

Material Costs

See Material Breakout Report Attached	\$ 91.33
Subtotal	\$ 91.33
Sales Tax 8%	\$ 7.31
Mark Up 10%	\$ 9.86
Total	\$ 108.50

Equipment Costs

Description	Day	Rate	Total
		\$ -	\$ -
Mark-Up 10%			\$ -
Total Equipment Costs			\$ -

Subcontractors

	\$ -
	\$ -
	\$ -
Subcontractor Costs	\$ -
Mark-up @ 10%	\$ -
Total Subcontractor Costs	\$ -

Total Daily Change Order Due \$ 774.00

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
Section : Section 001: BR PWR - ADDED SOW PURSUANT TO RFI 191					
	38AST MC CONNECTOR	2.00	EACH	2.54	0.3600
	3/8" 1 HOLE STRAP	15.00	EACH	2.88	0.4500
	MISC MATERIALS	1.00	LOT	26.40	0.3750
1/2"	FLEX CONDUIT	15.00	FEET	7.74	0.4500
1/2"	FLEX STR. CONN	2.00	EACH	8.40	0.3000
4 SQ BOX	1-1/2D 1/2 & 3/4 KO	2.00	EACH	2.18	0.3600
4 SQ	4 SQ BLANK COVER	2.00	EACH	0.86	0.0900
#12-2/C	MC CABLE W/GRN GRD	80.00	FEET	40.32	3.3600
Subtotals for Section : Section 001: BR PWR - ADDED SOW PURSUANT TO RFI 191				91.33	5.7450
Grand Totals				91.33	5.7450



Exhibit C



Facilities Committee Agenda Item #:	IV- A Action Item
Board Agenda Item #:	II E- Action Item
Date:	March 21, 2019
To:	Magnolia Educational & Research Foundation dba Magnolia Public Schools (“MPS”) Facilities Committee (the “Facilities Committee”) and the MPS Board of Directors (the “MPS Board”)
From:	Alfredo Rubalcava, CEO & Superintendent
Staff Lead:	Patrick Ontiveros, General Counsel & Director of Facilities
RE:	MSA-1 PCIs 020 and PCI 023

I. Proposed Recommendation(s)

Staff recommends that the Facilities Committee approve and that the Facilities Committee further recommends to the MPS Board that it approve change order requests PCI 020 and PCI 023 presented by Oltmans Construction Co. (“Oltmans”)

II. Background

There are two projects currently underway at MSA-1: (i) a new construction project that will eventually house MSA-1’s high school population (the “New Construction Project”) and (ii) a rehabilitation project of the existing building that will eventually house MSA-1’s middle school population (the “Rehab Investigation Project”). The contract for the New Construction Project was awarded to Oltmans. The Rehab Investigation Project entails various investigations into the state of the structural integrity of the existing building, seismic renovation design, and HVAC renovation design. The purpose of the Rehab Investigation Project is to define a scope of work for a rehabilitation project that can then be bid out (the “Rehab Project”) and move forward if funding is available.

Board policy requires that all project change orders be brought to the Board for review and approval. Potential change orders, or in this case Potential Change Items (“PCIs”), are submitted to the Director of Facilities for review.



III. Change Order Requests by Oltmans

PCIs 020 and 023 for which approval is being sought are described below. Eventually they will be reclassified either singly or collectively with other PCIs as official “change orders.” Because time is of the essence, Staff is presenting these PCIs now for Facilities Committee and MPS Board approval due to scheduling and the need to move forward with this work and avoid any delay in project delivery.

A. PCI 020 (Roof Play Area Water Proofing)

With the concurrence of MPS Staff, Oltmans hired a water proofing consultant to evaluate the roofing design and the possibility of water infiltration due to having a play surface on the roof. There was agreement among all parties that the design should be reviewed carefully by a waterproofing expert and if necessary an alternative design should be considered.

During a review of the roof system after construction began, it was suggested that a paver system be installed. This system was reviewed and preliminary efforts were undertaken which generated a change order (PCI 15) for review with a total cost of \$120,254. This change order was reviewed and rejected by MPS Staff.

At this time, the architect suggested alternate products such as Plydeck or Lifedek coatings. These coatings are multi-coat systems that reduce moisture vapor emissions, allow for foot traffic and provide another layer of waterproofing on the play deck area. The project’s waterproofing subcontractor suggested the use of a Westcoat product that has a crack membrane built in. This PCI encompasses the cost of said deck coating. The advantage of this product is that in addition to providing another layer of protective waterproofing, it can be maintained with relative ease and repairs can be performed on the surface. It is much easier to find and repair problems with a topical coating than it is with a layer of waterproofing under a concrete slab. Additionally, if the deck coating fails, there is still the waterproof membrane under the topping slab.

With credits, the total cost of this PCI is **\$47,429.00**, which will be paid for with owner contingency. A copy of PCI-020 is attached as Exhibit A.

B. PCI 023 (Parking Lot Replacement)

As shown previously and evidenced by the pictures attached hereto as Exhibit B, the parking lot pavement is in such bad shape that a slurry and seal approach will not guarantee any longevity and no installer will guarantee the work. The pavement could very well require replacement in 1, 2 or 3 years, resulting in wasted money. The only scope included in Oltmans’ original bid was to slurry and seal the parking lot. The thinking behind this approach was that if the adjacent ice skating rink ever came to fruition as a collaboration between MSA-1 and City Parks and Rec and the rink was placed on both MPS’s property and City property, then anything in the way would be ripped up and the City would pay for the work. At this stage the City has produced a plan to build the rink without using MSA-1 property. See Exhibit C. While the Council office has expressed their interest in creating a rink that would be positioned on two parcels, one of which would be MSA-1’s property, so far it is far from certain. Therefore Staff believes it would be prudent to plan for a long term solution for the parking lot.



Staff recommends that the entire parking lot be repaved. The total cost, with credits is **\$96,952**. Staff has been carrying an allowance for site work of \$125,000. Therefore, the overall budget will not be impacted and there may be some savings realized. A copy of PCI 023 is attached as Exhibit D.

IV. Budget Impacts

The cost of the roof play area water proofing (PCI 020) would be paid for from owner's contingency. The present contingency budget balance is approximately \$623,000. Therefore, this PCI would reduce the contingency to approximately \$575,570.

The cost of the removing and replacing the parking lot pavement (PCI 023) would be paid for from a line item allowance carried by the project in the amount of \$125,000. Therefore, this PCI will not impact the overall budget by increasing costs beyond what was budgeted for various categories of work.

Exhibits (attachments):

- A. Oltmans PCI 020
- B. Pictures of the Parking Lot Pavement
- C. City Conceptual Plan for Ice Skating Rink
- D. Oltmans PCI 023



Exhibit A

Oltmans PCI 020

(Roof Play Area Water Proofing)

(see following pages)



CONSTRUCTION CO.

10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM

PCI020

TITLE: Roof Deck Coatings **DATE:** 01/07/2019
PROJECT: Magnolia Science Academy **PROJECT NO.:** 18049
TO:
Magnolia Educational and Research Foundation
250 E. 1st St., 1500
Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This change order request includes costs associated with the change from a rubberized traffic coating on the roof top play deck area to a waterproofed traffic deck coating. Please see attached pricing and narrative for additional information. The cost of alternate #1 selected and carried in the contract is itemized below to offset the cost.

Vendor	Description	Amount
SYSTEMS WATERPROOFING, INC.	Furnish and install Westcoat deck coating. See Systems Waterproofing COR#1 for reference.	84,285.00
	SUBTOTAL:	84,285.00
	Alternate #1 Not Used in Lieu of Westcoat deck coating.	-40,484.00
	Bond	359.00
	Gross Tax	57.00
	GL	425.00
	SDI	548.00
	Fee	2,239.00
	SUBTOTAL:	-36,856.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		47,429.00

APPROVAL:
Oltmans Construction Co.

BY: Trevor Lawton
DATE:

APPROVAL:
Magnolia Educational and Research

BY:
DATE:

PCI 020 Narrative of Deck Coatings

The bid set of drawings did not indicate a type of deck coating. It stated that the finish surface would be selected by the owner. An add alternate for a rubberized traffic coating was provided with the bid as an add alternate. This alternate (Alternate #1 for \$40,484) was selected by the owner during issuance of the construction contract.

During a review of the roof system after construction began, it was suggested that a paver system be installed. This system was reviewed and preliminary efforts were undertaken which generated a change order (PCI 15) for review with a total cost of \$120,254. This change order was reviewed and rejected by ownership.

At this time, the architect suggested alternate products such as Plydeck or Lifedeck coatings. These coatings are multi-coat systems that reduce moisture vapor emissions, allows for foot traffic and provides another layer of waterproofing on the play deck area. The project's waterproofing subcontractor suggested the use of a Westcoat product that has a crack membrane built in. This PCI encompasses the cost of said deck coating. The advantage of this product is that in addition to providing another layer of protective waterproofing, it can be maintained with relative ease and repairs can be performed on the surface. It is much easier to find and repair problems with a topical coating than it is with a layer of waterproofing under a concrete slab. Additionally, if the deck coating fails, there is still the waterproof membrane under the topping slab.



Date: December 13, 2018

SWP#18213

ATTN: Trevor Lawton
Oltmans Construction
10005 Mission Mill Road
PO Box 985
Whittier CA 90608-0985

PHONE: (562) 948-4242
FAX: (562) 695-5299

Change Order Request #1

Magnolia Science Academy
18222 Sherman Way
Reseda CA 91335

DECK COATINGS:

Step

1. To shot blast the concrete topping slab at the roof top deck and apply Aquafin Vaportight coat – SG2 with a sand broadcast

Step

2. Install Westcoat MA Coat which consist of Fiberlath, basecoat, texture coat and a top coat to the roof top PE deck

Total for above work: \$ 84,285

- All flashing by others
- Drains by others
- Must install dual entry deck drains, check out www.thunderbirdproducts.com
- Finish is per sample and color to be selected by others.

EXCLUSIONS: Deck Coatings: Shot blasting, spall repair, slope to drain, plywood replacement and sheet metal flashing. Compatibility of deck coating systems and deck drains to be coordinated prior to drain installation. **General:** Permits and all items that are not included above.

If you have any questions about this proposal please contact Jimmy Dent.

Thanks,


 Jimmy Dent, Project Executive 12/13/2018
Date
 james@systemswp.com
 (714) 271 – 9812 Mobile

223 W. Blueridge Avenue, Orange, CA 92865

Phone: (714) 575-1115 Fax: (714) 575-1113
Contractors License: CA 923679 NV 0078542 AZ ROC308031
SBE #1118321 DLSE #1000002689
www.systemswp.com

100% Solids, Water - Vapor Barrier Coating

- ☑ One coat system - No broadcast
- ☑ Reduces moisture vapor emission rates of up to 25+ lbs to 3 lbs or less
- ☑ Flooring system installed next day
- ☑ Covers even 5 day old concrete
- ☑ Can be applied to damp concrete
- ☑ High alkalinity barrier (pH 13 - 14)
- ☑ Contributes to LEED (EQ 4.2 = 1 pt.)

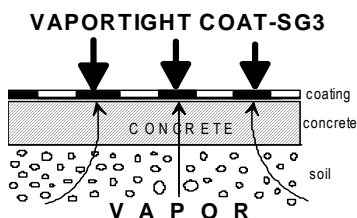
Product Description

AQUAFIN® VAPORTIGHT COAT®-SG3 (in short "SG3") is a unique 2-component, moisture tolerant, low viscosity, solvent free, chemically enhanced epoxy based product which reduces the passage of water vapor and moisture through slabs on or below grade, thus eliminating delamination of adhesives, floor coverings and coatings. "SG3" can be used as a stand-alone coating. Use "SG3/FC" (5 hr Fast Cure) where time is of the essence.

"SG3" reduces water vapor transmission levels of up to 25+ lbs/24 hrs*1000 ft² to 3 lbs or less (100% RH to ≤75%) for the installation of most floor covering systems including VCT, sheet vinyl, carpets, wood, laminates, epoxy, terrazzo & synthetic.

Note: Use VAPORTIGHT COAT-SG2 (in short "SG2") in case of capillary infiltration of oil or other chemicals from the ground or to treat oil-contaminated slabs.

Typical Applications



Water-Vapor Transmission:

- Concrete slabs, cementitious underlayment (other than gypsum) and ceramic tiles with missing or damaged under-slab vapor barriers.

Fresh concrete slabs:

- 5 day old concrete slabs. (Keep in mind that shrinkage cracks in the concrete may occur.)

Areas of application: slabs

- Industrial/retail facilities • Office buildings
- Hospitals, Schools, Food processing plants, etc. "SG3" passed Indoor Air Quality Material Emissions Test as per DIN EN ISO 16000 (Report CT-10-06-22-01:250005/2-3)

- Call Aquafin for:
- Slabs with floor heating
 - Residential slabs below grade & garages.

Features & Benefits

- Solvent free
- Vapor & water barrier
- Compatible with most flooring systems
- Low viscosity
- Minimal downtime

- Does not support mold growth
- Indoors: low odor and non-flammable.

Testing for Contaminants

Request owner of facility to core test slabs with unknown history for contaminants (i.e. hydrocarbons, other organic compounds, un-reacted water soluble silicates, ASR, Sulfurous compounds, etc.) to determine suitability for "SG3". If slabs test positive "SG2" may be recommended in lieu of "SG3", or neither one may be appropriate. Provide Ion Chromatography and IR Spectroscopy data before commencing application.

Water-Vapor Emission Testing

AQUAFIN strongly recommends "Anhydrous Calcium Chloride" testing as per ASTM F 1869-98 on slabs to be treated, to determine the MVER (moisture vapor emission rate) in lb/24 hrs*1000 ft² (grams/hr*m²). Alternately determine RH content (%) as per ASTM F 2170. The testing must be carried out before application of "SG3" to obtain AQUAFIN warranty.

Note: MVER fluctuates within slab areas, and can have significant seasonal variations (i.e. in Nov./Dec. 6 lbs and in July/Aug. 16 lbs or more).

Preparation of Substrate

All concrete surfaces to be treated with "SG3", must be clean, sound and have an "open"/absorptive surface ("tooth and suction").

⇒ Do not apply "SG3" to surfaces which have been previously treated with any kind of sealer prior to contacting Aquafin.

1. Remove existing floor coverings, coatings, adhesives, curing compounds, efflorescence, dust, grease, laitance, etc. down to bare concrete with steel shot blasting, scarifying or grinding using a diamond cup blade (run with low RPM and assure that surface is profiled). Standard acid etching is NOT allowed.
2. Steel shot blast or abrasive blast concrete slabs to surface profile ICR CSP 3 - 5.
3. Burn off reinforcing fibers and vacuum remains.
4. Remove glaze from "quarry tiles".
5. Repair cracks with a suitable patching mortar.
6. Install cementitious underlayment, leveling mortars, flash patching, etc. using a primer for non-porous substrates (i.e. **AQUAFIN-SLU PRIMER**) on TOP of "SG3".
7. Treat saw cut and expansion joints as per application Guideline 5.1.1-1.
8. Carefully pre-dampen all the prepared surfaces (excluding quarry tiles) to be treated several times with clean water to SSD

(saturated surface dry). Leave no standing water!

Mixing

- ⇒ Use chemical resistant gloves and goggles when mixing or applying "SG3".
- ⇒ Material should be minimum 60°F (15°C) at time of mixing.
- ⇒ Do not alter mixing ratios. Do not thin.

Part A (A-Component) = resin
Part B (B-Component) = hardener
are supplied in the appropriate mixing ratio.

1. Assure that Part B completely drains into Part A. Always mix a complete kit in the proportions supplied.
2. Stir mixture for approximately 3 minutes to a homogenous, streak free consistency, using a slow speed drill (approx. 300 rpm) with a PS Jiffy blade. Avoid any action that may entrap air. Ensure that the material at the pail bottom and sides are agitated.

Application

3. Pour mixed material from the mixing container into a clean container and carefully mix it once more (approx. 30 seconds).
- ⇒ Do not apply at air or slab temperature below 50°F (10°C), or above 95°F (35°C).
- ⇒ Do not apply to unprotected surfaces or surfaces where water has accumulated (puddles).

"SG3" can be applied to concrete that is at least 5 days old.

1. **After steel shot blasting or scarifying, check slab surface with the water drop method.** Pour a drop of water about the size of a dime in several places. If it beads, surface is not absorptive and requires more preparation. If it penetrates the concrete within approx. 30 seconds the surface is absorptive and ready to receive the "SG3" treatment. However, this method does not replace pre-testing of concrete cores. A test application is highly recommended on old slabs where a sealer may be present, or slabs where an epoxy coating has been removed, followed with an adhesion test (i.e. Elcometer, etc.).
2. Protect the area to be treated from strong sun light, wind and rain. Indoors, prevent noticeable drafts.
3. Insure that the material is applied within the coverage rate specifications by marking the area to be covered.
4. **Install "SG3" as per the chart "Application Rates":**
 - **Step 1:** pour "SG3" in sufficient quantity over the pre-dampened area (excluding quarry tiles) to be treated and uniformly distribute with a

Sample Water Vapor Transmission Reduction		Test : ASTM E 96-95	
Test Results: MACTEC No.6136-03-0302			
Test carried out by independent laboratory (Wet method)	BEFORE:	AFTER:	REDUCTION
	Untreated Control	VAPORTIGHT COAT®-SG3	%
Water Vapor Transmission:		Sample A, No.1	
♦ lbs / 24 hours * 1000 ft ²	24.08	0.18	99
♦ grams / hour * m ²	4.89	0.04	
♦ grains / hour * ft ²	7.02	0.05	
Permeance: ♦ perms	16.95	0.13	
♦ grams / Pa*s*m ²	9.69 x 10 ⁻⁰⁷	7.34 x 10 ⁻⁰⁹	



VAPORTIGHT COAT®-SG3

"SG3" Application Rates as per ASTM F-1869 (CaCl)

Moisture vapor emission rate lb/24 h • 1000 ft ²	g/h/m ²	No. of coats	Application rate		Appx. thickness		~Yield: 2.4 gal (9.2 L)		~Yield: 7.3 gal (27.5 L)	
			ft ² /gal	kg/m ²	mils	mm	ft ²	m ²	ft ²	m ²
up to 10	up to 2.0	1	155	0.29	10	0.25	370	33.4	1,130	105
10 - 15	2.0 - 3.0	1	130	0.35	12	0.30	310	28.8	950	88
15 - 20	3.0 - 4.0	1	105	0.43	15	0.38	250	23.2	760	70
20 - 25	3.1 - 5.0	1	80	0.57	20	0.50	190	17.6	580	53
Stand-alone coating on slabs		1	80	0.57	20	0.50	190	17.6	580	53
New concrete (min. 5 days old)		1	80	0.57	20	0.50	190	17.6	580	53

Note: All values theoretical. Application thicknesses are approximate. Some variations may apply due to porosity and absorption of substrate.

"SG3" Application Rates as per ASTM F-2170 (RH - Relative Humidity Testing)

<85% RH = 155 ft ² /gal (0.29 kg/m ²)
85 - 90% RH = 130 ft ² /gal (0.35 kg/m ²)
90 - 95% RH = 105 ft ² /gal (0.43 kg/m ²)
95 - 100% RH = 80 ft ² /gal (0.57 kg/m ²)

notched squeegee or non-shed roller to the still moist substrate.

- **Step 2:** carefully scrub it into the pores with a long handled scrub brush.

- **Step 3:** follow with a non-shed roller to achieve uniform coverage.

Note: "SG3" is self leveling and has low viscosity, tending to flow to low areas where it can build-up.

"SG3" does not require broadcasting of sand.

- ⇒ Protect fresh application from rain for 4 - 6 hrs.
- ⇒ Observe relative humidity and Dew Point when installing flooring system over "SG3"!

⇒ Shoes must be protected with cloth (i.e. Tyvek) booties when walking over cured "SG3" prior to installation of flooring system!

5. Resinous Flooring:

- Subsequent top coatings such as epoxy, terrazzo, polyurethane, must be applied within the 12 hr to 5 days recoat time.
- "SG3" surface must be roughened if recoat time is missed. Re-treat "outgassing channels" and pin-holes by grinding surface, cleaning off residue. Make sure surface is dry and re-apply "SG3". Does not apply to "fish eyes".

6. VCT, Sheet Vinyl, Carpet, Wood:

- Flooring systems including VCT, sheet vinyl, linoleum, carpet and wood must be applied within the 12 hr to 5 days recoat time.
- Please note that water based adhesives require a cementitious underlayment of minimum 1/8" (3 mm) thickness to absorb moisture from the adhesive (check with adhesive manufacturer).

- Pressure sensitive adhesives installed directly over "SG3" require a longer "tack" time than listed on manufacturer's literature to prevent adhesive moisture or solvent entrapment.

- Many floor covering materials (i.e. VCT, sheet vinyl, linoleum, carpet) also require a more level or smooth surface. In such cases an application of a self-leveling cementitious underlayment (minimum 1/8" (3 mm) thickness) is required over "SG3" to provide a proper substrate for the floor covering and the adhesive.

7. Underlayment's & Patching:

- If cement based toppings, such as underlayments, screeds, "flash" patching, repair mortars are to be used, the manufacturer's recommended primer or **AQUAFIN-SLU PRIMER** must be applied over "SG3".

8. Sand:

Where a broadcast of sand is desired use Aquafin "SG2" in lieu of "SG3".

- Maximum recoat time** (adhesives included) is 5 days. Do not apply flooring system if "SG3" surface is wet due to dew point or other causes. If recoat time is missed, "SG3" surface must be sanded, cleaned with hot water, and allowed to dry, before application of flooring system.

10. Application equipment needed:

Notched squeegee, 1/2" or 3/8" non-shed synthetic nap roller, long handled scrub brush.

11. Cleanup:

Immediately clean all equipment and tools with mineral spirits.

12. Packaging & Shelf Life:

- **2.4 gal/22 lb (9.2 L/10 kg) kit.**
A-Comp: 1.5 gal/14.48 lb (5.8 L/6.58 kg)
B-Comp: 0.9 gal/7.52 lb (3.4 L/3.42 kg).
- **7.3 gal/66 lb (27.5 L/30 kg) kit.**
A-Comp: 4.6 gal/43.43 lb (17.3 L/19.74 kg)
B-Comp: 2.7 gal/22.57 lb (10.2 L/10.26 kg).

Shelf life is 2 years in closed, original packaging, stored in a dry, cool place.

Technical Data

Material & Color	2-component, clear epoxy	
Density	~9.08 lbs/gal (1.09 ± 0.02 kg/L)	
VOC Content	0 g/L	
Volume Solids	100 %	
Flash Point: Part A	>212°F (>100°C)	
Part B	>248°F (>120°C)	
Mixing Ratio	100:50 (by weight)	
Viscosity	600 ± 80 cps (mPa*s) @ 77°F (25°C)	
Pot Life, approx.	35 Minutes at 73°F (23°C)	
Open to Foot Traffic	after 12 hrs at 73°F (23°C)	
Recoat Time at 73°F (23°C)	minimum 12 hrs max. 5 days, observe dew point!	
Working Temperature	50°F to 95°F (10°C to 35°C)	
Curing Temperature	minimum 50°F (10°C)	
Full Strength	after 7 days at 73°F (23°C)	
Adhesion to Concrete (ASTM D-4541 modified)	500 psi (3.5 MPa) @ 7d (dry conc.) Failure in substrate	
pH 14 Resistance	Pass 14 day test. (ASTM D-1308)	
Average Critical Radiant Flux (CRF)	1.00 W/cm ² - Passed = non-flammable (ASTM E 648-03)	
Methane Permeability (ISO 15105-2)	2.20 [cm ³ / (m ² *d*bar)] at 36 mils (0.90 mm) thickness	
Indoor Air Quality Control (DIN EN ISO 16000)	Passed: VOC (0 mg/m ³) & Formaldehyde emissions (<0.01 ppm)	

All data are average values obtained under laboratory conditions. In practical use temperature, humidity and absorbency of the substrate may influence the above given values.

13. Note:

Post-cracking of the concrete, slab warping or warping relaxation at joints or cracks after installation of the "SG3" may cause a breach in the coating and void warranty.

14. Safety: KEEP OUT OF REACH OF CHILDREN. Refer to MSDS. FOR COMMERCIAL USE ONLY.

Part A - irritant; sensitizer - contains epoxy resins.
Part B - corrosive; sensitizer - contains amines.

LIMITED WARRANTY: AQUAFIN, INC. warrants to the owner of the premises at the time of installation that for a period of 10 years after installation its products are free of manufacturing defects. As the sole remedy, we will replace or, at our election, refund the purchase price of, any product which is proven to be defective, provided that the product was properly applied. Our product recommendations are based on Industry Standards and testing procedures. We assume no warranties either written, expressed or implied as to any specific methods of application or use of the product. AQUAFIN, INC. MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED. AQUAFIN, INC. shall not be liable for damages of any sort including without limitation indirect or consequential damages, down time, or delay. This limited warranty is not transferable without AQUAFIN's prior express written consent.



AQUAFIN, Inc.
505 Blue Ball Road, # 160 Elkton, MD 21921
Phone (410) 392-2300 Fax (410) 392-2324
TOLL FREE 1 - 866 - AQUAFIN (1-866-278-2346)

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5.1.2



westcoat[®]
SPECIALTY COATING SYSTEMS

**SYSTEM
SPECIFICATION**

WP

WATERPROOF
RELIABLE MOISTURE BARRIERS

MACoat™

Description

Westcoat's MACoat System is a fiberlath-reinforced deck system installed with a series of two or three separate waterproof acrylic applications, and sealed with Westcoat SC-10 Acrylic Topcoat. The finished product weighs approximately one pound per square foot. MACoat is breathable and allows vapor to pass as opposed to traditional urethane coatings.

- Durable
- Fast Access After Installation
- Choice of Colors and Textures
- Tough Final Coat is UV Resistant
- Safe Skid Resistant Textured Finish
- Environmentally Safe Acrylics
- Waterproof
- Optional Finishes

Uses

The MACoat System is mainly used on elevated concrete and non-fire rated plywood walking decks. MACoat is designed for balconies, corridors, stairs, and landings. It is regularly specified for homes, hotels, condominiums, apartments, and office buildings. In many cases it can be applied over existing deck systems to provide an excellent method for the rehabilitation of problem surfaces.

Packaging

WP-26 Flashing
WP-51 Polyurethane Sealant
EC-72 Epoxy Patch Paste (½ and 2 gallon kits)
WP-47 Fiberlath (475 sq ft per roll, 38 in. x 150 ft.)
WP-47-3 Seam Tape (3 inch)
WP-90 Waterproofing Resin (1 and 5 Gallon pails)
WP-81 Cement Modifier (1 and 5 Gallon pails)
TC-1 Basecoat Cement (50 lb. Bags)
TC-3 Medium Texture Cement (50 lb. Bags)
SC-10 Acrylic Topcoat (1 and 5 gallon pails)

Advantages

- Flexible

INSPECTION / PREPARATION

Inspection

Concrete must have ¼ inch slope per lineal foot with a rough broom finish (equal to 50 to 80 grit sand paper) and be open and porous. Allow concrete to cure a minimum 28 days and make sure that the moisture content is at 4% or less. If doing a calcium chloride test, the reading should be a maximum of 5 lbs./1000 sq ft. Another test can be done by taping a plastic mat or visqueen onto the surface, then waiting 24 hours before checking for moisture. Decks should meet local building code

Plywood must be at least ¾ inch CDX or exterior grade. Slope must be a minimum of ¼ inch per linear foot. Decks should meet local building code. The deck should be tongue and groove properly blocked and screwed into place. Plywood shall have a maximum joist span of 16

inches. Deflection should be less than L/480. OSB is not a suitable substrate.

Preparation

On concrete, remove all coatings to a sound concrete base. Prepare surface by grinding, water blasting or shot blasting to achieve surface that feels like 50 to 80 grit sand paper. Over existing coating, abrade the surface and do an adhesion test. For rough concrete, a slurry coat may be applied. Combine 1 bag of TC-1 Basecoat Cement with 1 gallon of WP-81 Cement Modifier and up to ½ gallon of water, and trowel smooth. Applied prior to the MACoat installation. On plywood be sure the surface is clean, dry and free of grease, paint, oil, dust or any foreign material that may prevent proper adhesion.

APPLICATION

Concrete Expansion Joints

Moving expansion joints should be honored and filled with a 2 part urethane sealant (approved by Westcoat). Sides of joints should be cleaned and applied per joint sealant manufacturers recommendation after the MACoat process is completed.

Concrete Seams and Cracks

Cracks greater than 1/32 inch should be routed out ¼ x ¼ inch. Install WP-47-3 Seam Tape over all cracks and seams. Apply EC-72 Epoxy Patch Gel into the tape with a trowel or putty knife to smooth and broadcast with 30 silica sand to allow adhesion of the coating. Allow EC-72 3-4 hours to cure before the next coat.

Plywood Seams

Seams should be dry and free of debris. WP-47-3 Seam Tape should be installed over all seams and metal flashing. Apply WP-51 Polyurethane Sealant, or EC-72 for a more ridged seam, into the tape with a trowel or putty knife to smooth. Broadcast with 30 silica sand to increase adhesion of the next coat.

An alternate way to minimize re-cracking of concrete and reduce movement of plywood seams is to place a 6 inch strip of WP-40 Sheet Membrane over the plywood seams or the cracks in the concrete as an anti-fracture treatment.

Primer Requirements

Priming is not required over properly prepared concrete or plywood. When coating over an existing surface, prime with EC-11 Water Based Epoxy at the rate of 300 square feet per gallon and broadcast with #30 or #60 silica sand to increase adhesion of the next coat.

Flashing

Flash at the junction of the wall and plywood deck using 4 x 4 inch flashing. Flash the fascia with 2 x 4 inch drip edge flashing. Nail all flashing every 4 to 6 inches. Use a minimum of 26-gauge bonderized sheet metal. Flashing for concrete should be set in a bed of EC-72 and nailed only as needed. The vertical portion of the wall to deck flashing should be nailed at all studs, after the epoxy base has cured. Overlap all seams at least 4 inches. Caulk between overlapped flashing as well as the seam with WP-51 Polyurethane Sealant. (Note: If the flashing is not bonderized it must be etched or roughed up so that the coating will bond.)

Base Coat

Lay out WP-47 Fiberlath reinforcing mesh on the deck, overlapping the seams approximately 2 inches.

Combine one bag of TC-1 Basecoat Coat Cement with six gallons of WP-90 Waterproofing Resin (2 parts TC-1 to 3 parts of WP-90 by volume for smaller batches). Mix with a mechanical mixer until uniform. Pour the mixture into the WP-47, trowel thin and smooth at the coverage rate of approximately 270 square feet per batch. Use a paintbrush to spread the base coat on the flashing, making sure to get the mixture into the seams and corners. Using a brush, wet with water, feather all outside edges. Allow surface to dry for 1-4 hours at 70°F. Scrape off any high spots or ridges that may inhibit application of a smooth texture coat. Trim any mesh that is showing on perimeters after the material has hardened.

Note: Should deck coating not be completed in one phase or to allow for other construction trades, deck should be covered and protected to avoid being damaged and to keep clean. It may be necessary to power wash the deck to dislodge any construction debris or any other foreign matter.

Feather Patch

Smooth all seams or imperfections by mixing one bag TC-1 to 4 gallons of WP-90 (1 part TC-1 to 1 part WP-90) and patch all areas where fiber lath is not laminated flat or any visible seams or overlaps. Feather these patches with a paintbrush and water. Scrape or sand all the patches.

Slurry Coat

Mix one bag TC-1 to 4 gallons of WP-90 and trowel the entire surface smooth and as thin as possible or at the rate of approximately 300 to 350 square feet per batch. For easier application, you may add up to 1 quart of water to help loosen up the mix. After the texture has dried (30 minutes to 1 hour at 70 degrees) lightly scrape any trowel marks and sweep or blow the surface clean. You are now ready to apply the knock down texture.

Smooth Texture (Optional)

For a smooth texture, mix one bag TC-1 to 4 gallons of WP-90 and trowel the entire surface smooth or at the rate of approximately 300 to 350 square feet per batch. For easier application, you may add up to 1 quart of water to help loosen up the mix. After the cement has dried (30 minutes to 1 hour at 70 degrees) lightly scrape any trowel marks and sweep or blow the surface clean. You are now ready to apply the topcoat

Knockdown Texture (Optional)

If a knockdown texture is desired, combine 1 bag of TC-3 Medium Texture Cement with 1 gallon of WP-90 Waterproofing Resin. WP-81 may be used for concrete applications. Mix thoroughly with a mechanical mixer. Add up to ½ gallon of water to achieve the desired consistency. Using an acoustical hopper gun, spray the texture onto the deck with a circular motion to achieve approximately 70% coverage at a rate of about 150-200 square feet per batch. Spray continuously, do not stop in the middle of the deck. After a few moments depending on the temperature, the texture must be “knocked down” using a rounded pool trowel for best results. Wipe the trowel clean with a wet rag as needed.

For an Orange Peel Texture, increase the air pressure and reduce the hole size of the hopper gun. Spray texture evenly at a 90% coverage. If you are unsatisfied with the results, immediately scrape off and re-spray.

After the texture has dried (30 minutes to 1 hour at 70 degrees) lightly scrape, any trowel marks and sweep or blow the surface clean prior to sealing. To avoid making impressions, the applicator should wear golf, baseball or spiked shoes.

Topcoat

Mix all containers of the SC-10 Acrylic Topcoat to ensure a consistent color. The material may be thinned by adding up to one quart of water per gallon to avoid streaks, (especially in hot weather). Roll two thin applications of SC-10 using a ¾ inch roller at a rate of 200-300 square feet per gallon. Roll the material in two directions to achieve a uniform finish. Coverage will vary according to texture.

For best results, allow SC-10 4 to 6 hours drying time before permitting light pedestrian traffic or applying additional coats are applied. Allow 24 hours to cure before heavy traffic is permitted. Allow 48 hours before heavy objects are placed on the surface.

Optional Materials

Basecoat Options

•For increased waterproofing, when applying basecoat into fiberlath replace WP-90 with WP-91. Mixing at 4 gallons of WP-91 to 1 50lb bag of TC-1 and add up to 1 gallon of water to aid in application.

Clean Up

Uncured acrylic material can be removed with soap and warm water. If cured, material can only be removed mechanically or with an environmentally-safe solvent.

MAINTENANCE

Exterior surfaces can be swept daily with water and a broom. For tougher dirt or grease use Westcoat CA-24 Degreaser diluted with water 20:1 and a soft bristle brush or broom, be sure to rinse well. To remove calcium or lime build up, brush 100 grain vinegar over the surface, be sure to rinse any residue.

The MACoat System should be inspected for wear every 2 to 4 years. The system should be resealed with the appropriate Westcoat clear sealer every 3 to 5 years depending upon traffic and UV exposure. Contact the original Installer of Westcoat for complete recoating instructions.

HEALTH PRECAUTIONS

Inhalation of vapor or mist can cause headache, nausea, irritation of nose, throat, and lungs. Prolonged or repeated skin contact can cause slight skin irritation.

Cements contain silicas, dust mask or respirator should be used when mixing, sanding or grinding.

LIMITATIONS

- This system is designed for professional use only.
- Read Product Specification Sheets for every product you will be using before beginning the project.
- Do not apply at temperatures below 50°F or above 90°F.
- Rain will wash away uncured Westcoat acrylic products.
- If inclement weather threatens, cover deck to protect new application.

- Sealers will make the surface slippery, please be aware the texture of the surface and how the sealer will affect the look, feel, and skid resistance.
- Approval and verification of proposed colors, textures, and slip resistance is recommended.
- Do not allow Westcoat product to FREEZE.

DISCLAIMER

PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST THE MANUFACTURER OF WESTCOAT, SHALL BE LIMITED SOLELY TO THE REPLACEMENT

OF ANY DEFECTIVE MATERIAL OR A PAYMENT BY THE MANUFACTURER IN AN AMOUNT EQUAL TO THE COST OF THE ORIGINAL MATERIAL.



westcoat®

770 Gateway Center Drive San Diego, CA 92102
800 • 250 • 4519 • Fax 619 • 262 • 8606 • westcoat.com



ENDURO PRODUCTS

Technical Data Sheet

ENDURO-LASTIC ELA Modified Polymer Binder

1. Description:

EP - ENDURO-LASTIC ELA is a one component modified polymer binder designed for use with a fiberglass chopped-strand mat on interior and exterior pedestrian surfaces.

2. Uses:

EP - ENDURO-LASTIC ELA Modified Polymer Binder is applied to reinforce a fiberglass chopped-strand mat on new or existing above grade structural concrete, plywood or steel substrates.

3. Surface Preparation:

3.1 Concrete: All concrete surfaces to receive the EP - ENDURO-LASTIC ELA Modified Polymer Binder reinforced with a fiberglass chopped-strand mat should be of sound structural grade. Metal pans should be vented when used to form new concrete slabs. Concrete installed over precast "T's" should have control joints installed over coinciding joints or openings in the precast. New concrete should be cured by the water curing method for at least 28 days. The cured concrete should be sloped to the drains. Verify plastic drains are not used. A light broom finish is recommended that is free of cracks, voids, fins, ridges, air-entrained holes or other imperfections. Remove dirt, dust, debris, oil, grease, curing agents, bond breakers, and other surface contaminants. All contaminants and imperfections that may impair adhesion must be removed from new and existing concrete. They should be removed by sandblasting, shotblasting or mechanical grinding. The concrete should be thoroughly cleaned by using a commercial pressure washer. Imperfections should be repaired with manufacturer approved materials. All cracks over 1/16 inch in width and all moving cracks less than 1/16 inch in width should be saw cut to 1/4 inch wide by 1/2 inch deep. Completely clean all saw cut cracks, expansion joints and control joints. Install backer rod and fill flush with polyurethane sealant. Allow to cure overnight. Be aware that drying time depends on temperatures and humidity.

3.2 Plywood: All plywood surfaces should be selected and installed in accordance with the requirements of the applicable building code. Plywood shall be a minimum of 5/8 inch thick tongue and groove exterior grade and have joints blocked and fastened. Plywood should be fastened with non-corroding screws, twist shank nails or 10d annular ring nails. Plywood must be sloped to drain. All contaminants and imperfections that may impair adhesion must be removed. Verify that plastic drains are not used and that the deck will drain properly, without low spots or high fascia edges. Completely

clean all joints, cracks and seams. Fill all separations over 1/16 inch in width with polyurethane sealant. Apply joint reinforcement consisting of a 5 inch trowel coat of Enduro-Flex Underlayment and reinforcing fabric imbedded into the wet coating.

3.3 Steel: Roughen surfaces sufficiently to ensure proper bonding. Remove dirt, dust, debris, oil, grease, and other surface contaminants, which could adversely affect application of the pedestrian traffic coating. Verify steel surfaces are backed with rigid substrate with sufficient rigidity to avoid excessive deflection. Verify that plastic drains are not used and that the deck will drain properly, without low spots or high fascia edges.

3.4 Metal: Flashing, scuppers, edges, vents, and other metal should be galvanized or non-ferrous. All should be properly secured 4 inches on center with non-corroding screws or ring shank nails to the substrate. Metal should be primed with a thin coat of EN-M-70 Metal Primer by using a sprayer or roller. Flashing should be caulked in front and back with polyurethane sealant. Use the Enduro-Flex Underlayment to adhere reinforcing fabric at the joint of the metal and substrate.

4. Mixing & Priming:

Stir EP - ENDURO-LASTIC ELA Modified Polymer Binder well before using.

5. Color/Finish/Packaging:

EP - ENDURO-LASTIC ELA Modified Polymer Binder should be used at package consistency. Coatings are available in five-gallon containers. The chopped-strand mat shall be a 0.75-ounce fiberglass, multidirectional chopped-strand mat.

6. Application:

6.1 Fiberglass Underlayment: Lay out the fiberglass chopped-strand mat over the area to be immediately worked in accordance with manufacturer's instructions. Fiber-Glass may be overlapped 1/2 inch.

6.2 EP - ENDURO-LASTIC ELA Modified Polymer Binder: Apply the modified polymer binder in over the fiberglass chopped-strand mat. Eliminate air bubbles and wrinkles. Apply a second coat of the modified polymer binder the next day to obtain proper film thickness, if required. Trim excess fiberglass mat at fascia edge before application of topping.

7. Coverage:

Apply EP-ENDURO-LASTIC ELA Modified Polymer



© EP ENDURO-LASTIC ELA Modified Polymer Binder

Binder at a rate of 50 SF per gallon.

8. Limitations:

Ambient and surface temperatures must be above 55°F and relative humidity below 80%. Do not apply EP - ENDURO-LASTIC ELA Modified Polymer Binder over any type of lightweight concrete without written approval by Enduro Products. Do not apply to surfaces with excessive moisture content or when there is a threat of rain.

9. Cleaning Instructions:

Clean up tools and equipment with appropriate cleaning fluids after use.

10. Safety Health and Environmental Recommendations:

Provide proper ventilation. Avoid coating contact with skin and eyes. Use protective goggles and clothing. In case of eye contact, flood eyes with water and call a physician immediately. Wash hands thoroughly with soap and water after handling. Do not take internally. If

ingested, call a physician immediately. Read the Material and Safety Data Sheet for EP ENDURO-LASTIC ELA Modified Polymer Binder prior to handling or application as supplied by Enduro Products in California: (714) 526-5898, Fax (714) 526-6511; in Florida: (305) 591-8309, Fax (305) 591-8565; email: info@endurokote.com.

11. Warranty:

Enduro Products warrants its EP - ENDURO-LASTIC ELA Modified Polymer Binder to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Enduro Products makes no other warranty, expressed or implied, including warranties of merchantability and fitness for a particular purpose with respect for Enduro Products. Enduro option, to replace or to refund the purchase price of the quantity of EP - ENDURO-LASTIC ELA Modified Polymer Binder proved to be defective and Enduro Products shall not be liable for any loss or damage.

Technical Data

TEST	REFERENCE	RESULTS
Weatherometer	ASTM D 1499 & G 152, Model D or H	2,000 Hours: No crazing, cracking, spalling, softening, or other surface deterioration.
Accelerated Aging	ASTM D 756, Procedures D & E, 6 Cycles; D, E, & F	No crazing, cracking, spalling, softening, or other surface 25 Cycles deterioration.
Bond Strength After Accelerated Aging	ASTM C 297 ASTM C 297, Procedures D, & E, 6 Cycles	Average 83 psi minimum.
After Accelerated Aging	ASTM D 756, Procedures D, E, & F, 26 Cycles	Average 82 psi minimum.
After Freeze Thaw	ASTM C 67	Average 104 psi minimum.
Abrasion Resistance	ASTM D 1242, Method A	Did not exceed maximum loss in thickness allowed.
Percolation		No noticeable leakage on each of 5 test specimens.
Water Absorption	ASTM D 570	8.7 percent by weight.
Chemical Resistance	ASTM D 2299	Unaffected By: Industrial detergent 20% solution, ammonia 5 % solution, salt 20% solution, anti-freeze, kerosene, turpentine, & paint thinner. Superficially Affected By: Chlorine 10% solution & sulfuric acid 3% solution. Moderately Affected By: Muriatic acid 10% solution.
Freeze Thaw	ASTM C 67	No breakage, weight loss, cracking, crazing, or delamination. Passed bond strength test requirements.
Concentrated Load		Average Residual Indentation: 0.009 inch.
Compressive Strength	ASTM C 109	5,450 psi.



Exhibit B

Pictures of the Parking Lot Pavement



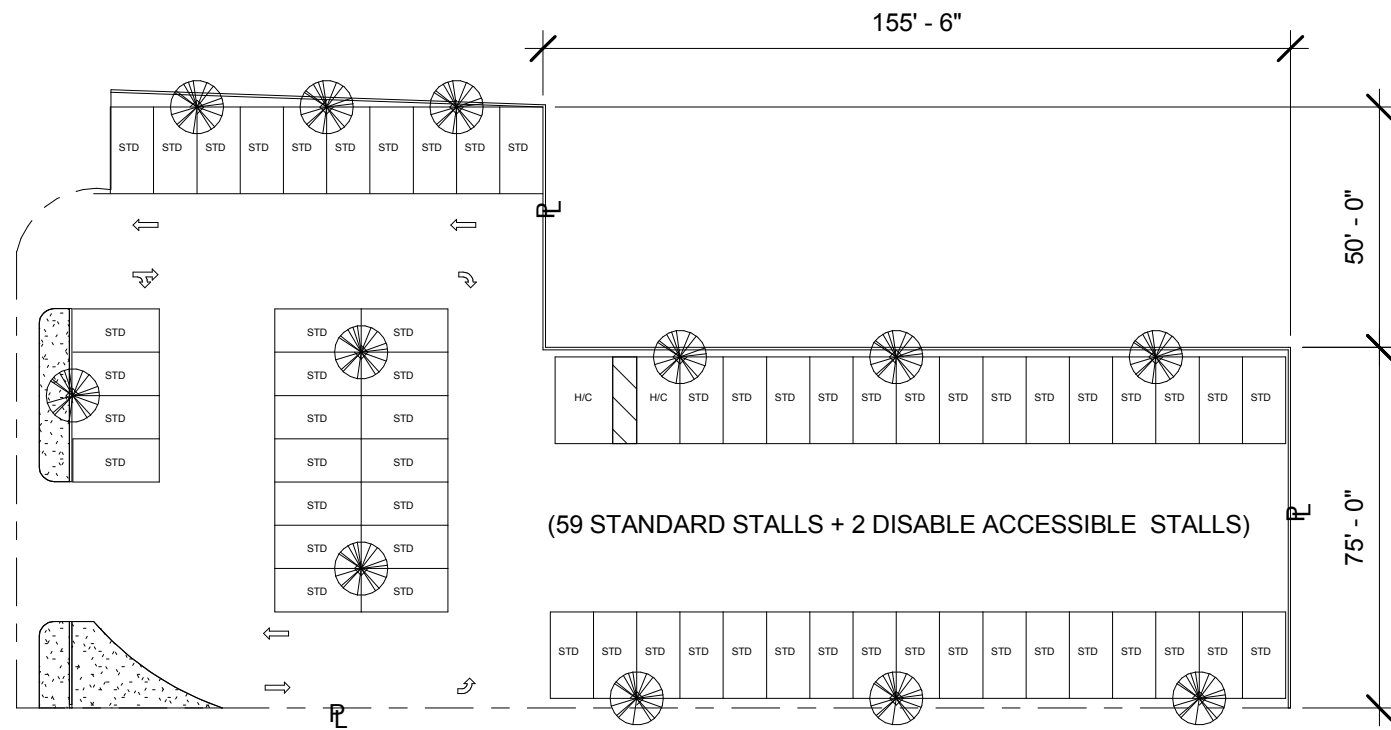
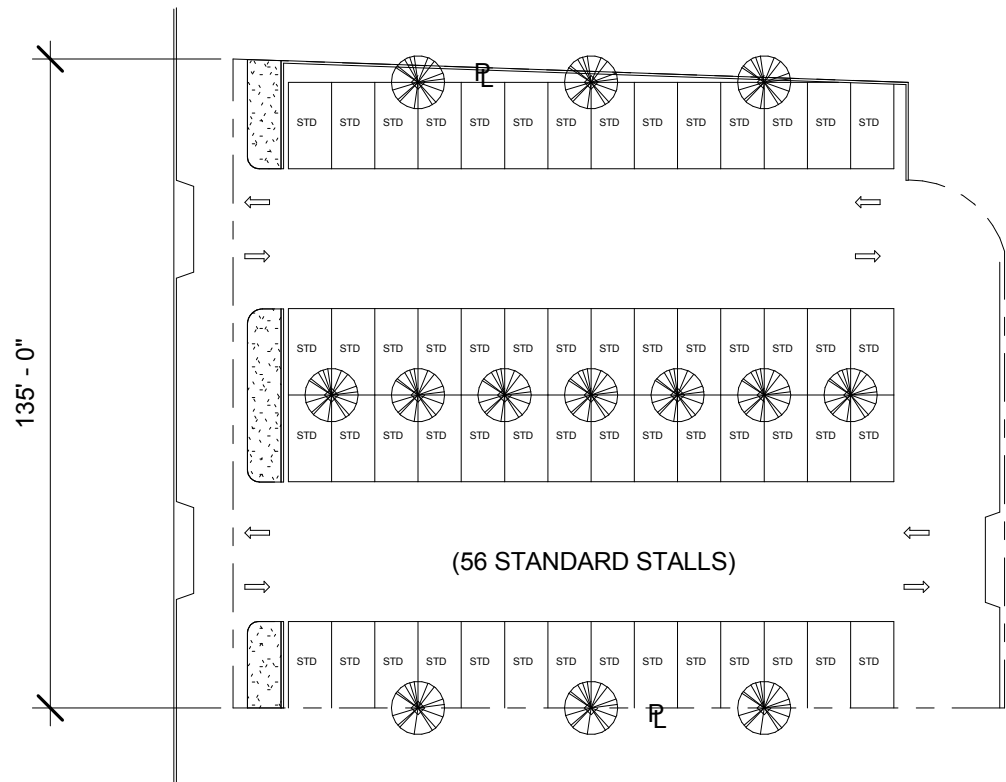


Exhibit C

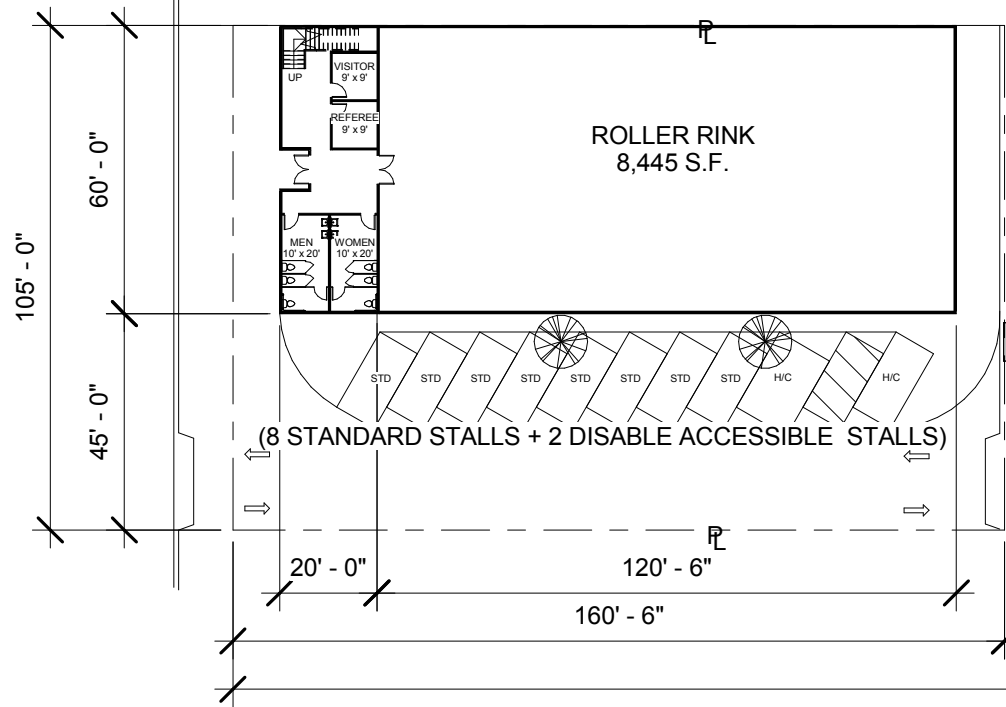
City Conceptual Plan for Ice Skating Rink

(see following page)

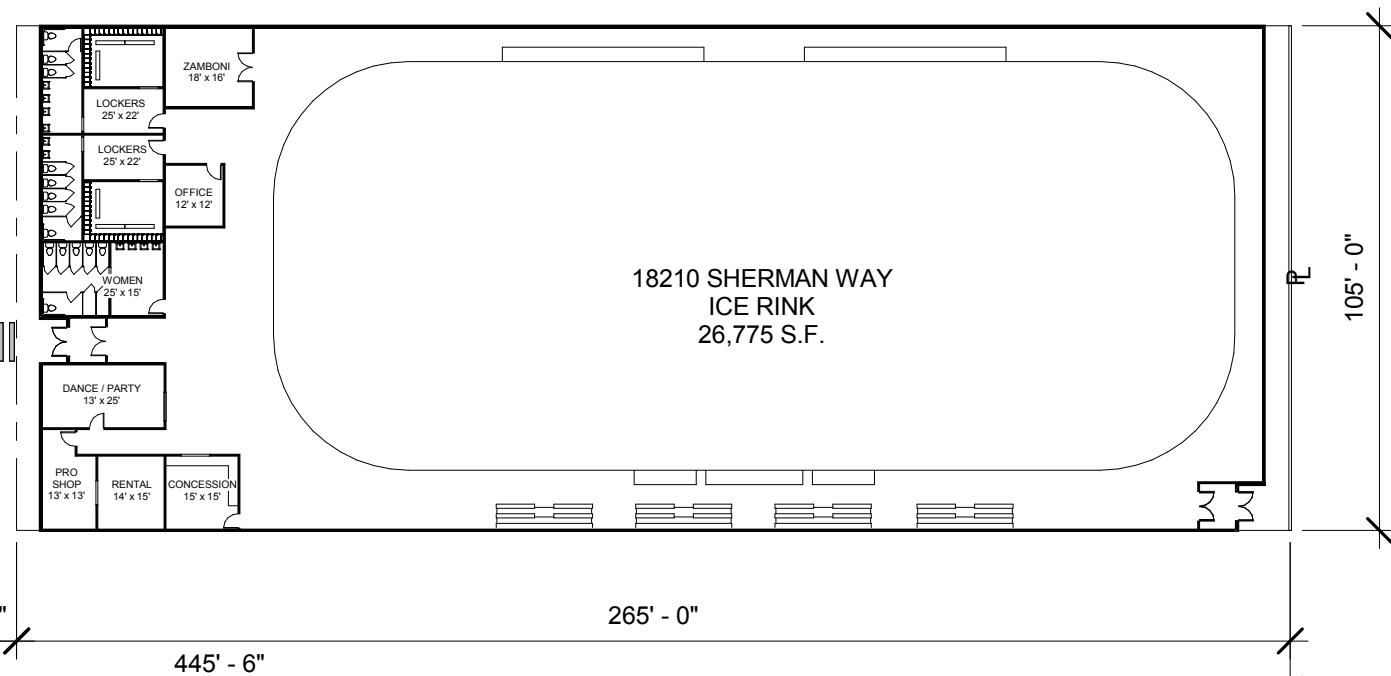
SHERMAN WAY



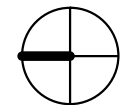
SHERMAN WAY



ALLEY



1 OPTION 3
1" = 40'-0"



NORTH

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP

CITY ENGINEER

RESEDA ICE AND ROLLER RINK
18210 SHERMAN WAY
LOS ANGELES, CA. 91335

SITE PLAN - OPTION 3

Project number	E170121D
Date	7/26/2017
Drawn by	T.YOUNGE
Checked by	R. ABANO
Scale	1" = 40'-0"





Exhibit D

Oltmans PCI 023

(Parking Lot Replacement)

(see following pages)



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM
PCI023

TITLE: New Paving In Lieu of Seal & Slurry **DATE:** 02/20/2019
PROJECT: Magnolia Science Academy **PROJECT NO.:** 18049
TO:
Magnolia Educational and Research Foundation
 250 E. 1st St., 1500
 Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment required to install new paving in lieu of seal and slurry. Seal and slurry and/or grind and overlay are not recommended or guaranteed by the asphalt paving trade due to existing conditions. The existing pavement is on native, the estimated life of grind and overlay would be limited.

The proposed new paving would include demo, removal of 7" of existing asphalt and subgrade (assume native), hauling-off of material, rough grade, sub-compaction and furnish and install 4" of class 2 CMB and 3" of asphaltic concrete.

The added costs include:

- _Credit (\$16,464) for original proposed cost for seal and slurry
- _Credit (\$12,000) for damaged to existing paving caused by Oltmans (approximately 2,500 sf)
- _Add \$118,000 for new base and paving

This PCI excludes any items not identified above including additional move-ins, slurry seal, engineering, testing and permits. It excludes any schedule associated impacts, general conditions, future changes caused by City review or inspections.

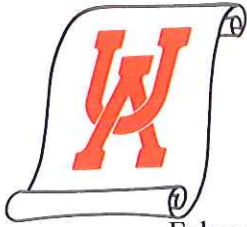
Vendor	Description	Amount
	Credit: For Damage Caused by OCCO	-12,000.00
	Credit: Seal & Slurry	-16,464.00
	Add: Asphalt Paving	118,000.00
	Bond	733.00
	Gross Tax	117.00
	GL	869.00
	SDI	1,120.00
	Fee	4,577.00
	SUBTOTAL:	96,952.00
	TOTAL COST FOR THIS CHANGE ORDER REQUEST:	96,952.00

APPROVAL:
Oltmans Construction Co.

BY: Trevor Lawton
DATE:

APPROVAL:
Magnolia Educational and Research

BY:
DATE:



UNIVERSAL ASPHALT CO., INC.

10610 South Painter Ave., Santa Fe Springs, California 90670-4030

TELEPHONE:
(562) 941-0201
(888) 941-0201
FAX:
(562) 941-4080

February 8, 2019



Fri 2/8/2019 10:41 AM
Curt Fauntleroy <curt@universalasphalt.com>

RE: MSA - Price Request for Parking Lot (G-2) Demo/Grade/Compact
To: Elizabeth Lara
Retention Policy Oltmans Inbox Retention Policy (60 days) Expires: 4/9/2019

Yes it's included I forgot to remove from my standard exclusions. 90% compaction is included!!

Oltmans Construction Company
10005 Mission Mill Road
Whittier, Calif. 90608



Curt Fauntleroy, Project Manager
Universal Asphalt Co., Inc.
Curt@universalasphalt.com
(562) 941-0201 Office
(562) 941-4080 Fax

Attn. Elizabeth Lara
RE: **Magnolia Science Academy**
18220 Sherman Way
Reseda, Calif.

From: Elizabeth Lara <ElizabethL@oltmans.com>
Sent: Friday, February 8, 2019 10:38 AM
To: Curt Fauntleroy <curt@universalasphalt.com>
Subject: RE: MSA - Price Request for Parking Lot (G-2) Demo/Grade/Compact

Hi Curt,

No grade and re-compact included in cost; you have it in exclusions?

Per your request this updated cost proposal is for the following new paving work:

- A) Remove the existing asphaltic concrete and sub-grade to a depth of 7" and haul away to an offsite location.
- B) Pull off the job and return once the underground and concrete is complete.
- C) Furnish and install 4" Class 2 **CMB** to approx. 25,000 sq. ft., roll and compact.
- D) Apply weed poison to the base.
- E) Furnish and install 3" asphaltic concrete to approx. 25,000 sq. ft., roll and compact.
- F) This price assumes that there is not over saturated subgrade material or sub-grade contamination that needs to be addressed.
- G) Sub-grade to be accepted at +/- four hundredth (.04) **to balance.**

Rough grading, sub-grade compaction,

TOTAL COST \$ 118,000.00

Price good through June 2019

Based on (2) Two Move-ins

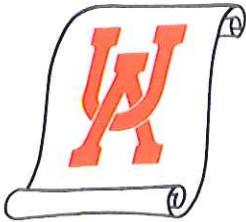
Standard Exclusions:

Rough grading, sub-grade compaction, soil import, concrete work, base under concrete, engineering, testing, permits, fees, bonds, crack filler, staking, utility adjustment, striping and bumpers, and guarantee for drainage where designed less than 1%.

Alternates:

- 1) **Striping and wheel stops including 69 stalls, 18 compacts, 4 handicaps w/signage, 2 van handicaps, 6 visitors, 4 electric vehicles, 6 clean air/vanpool, 4 arrows, and (69) 6' wheel stops. Add \$ 6,000.00**
- 2) **Apply 1 coat of Slurry Seal on the new paving. Add \$ 3,000.00**
- 3) **Additional Move-ins (if required) Add \$ 9,500.00 each**

CURT FAUNTLEROY
PROJECT ESTIMATOR



January 22, 2019

UNIVERSAL ASPHALT CO., INC.

10610 South Painter Ave., Santa Fe Springs, California 90670-4030

TELEPHONE:
(562) 941-0201
(888) 941-0201
FAX:
(562) 941-4080

WILL NOT GUARANTEE GRIND AND OVERLAY WORK DUE TO EXISTING CONDITIONS.

Oltmans Construction Company
10005 Mission Mill Road
Whittier, Calif. 90608

Attn. Erika Peel
RE: **Magnolia Science Academy**
18220 Sherman Way
Reseda, Calif.

GRIND & OVERLAY

Per your request this updated cost proposal is for the following **overlay** work:

- A) Coldplane approx. 25,000 sq. ft. of existing asphaltic concrete to a depth of 2" and haul away to an offsite location.
- B) Apply a trackless tack coat just prior to the asphalt installation.
- C) Furnish and install 2" asphaltic concrete overlay to approx. 25,000 sq. ft., roll and compact.
- D) We cannot guarantee this overlay work due to the condition of the existing asphalt.**
- E) Sub-grade to be accepted at +/- four hundredth (.04) to balance.

TOTAL COST \$ 52,500.00

Price good through September 2019

Based on (1) One Move-in

Standard Exclusions:

Rough grading, sub-grade compaction, concrete work, base under concrete, engineering, testing, permits, fees, bonds, crack filler, staking, 1 year warranty, utility adjustment, striping and bumpers, and guarantee for drainage where designed less than 1%.

Alternate:

- 1) **Striping and wheel stops including 69 stalls, 18 compacts, 4 handicaps w/signage, 2 van handicaps, 6 visitors, 4 electric vehicles, 6 clean air/vanpool, 4 arrows, and (69) 6' wheel stops. Add \$ 6,000.00**

CURT FAUNTLEROY
PROJECT ESTIMATOR



G.J. Gentry General Engineering, Inc.

1297 W 9th Street
 Upland, CA 91786
 909-693-3391
 Lic. #A991354
 DIR #1000045135

To: Oltmans Construction	Contact: Trevor Lawton
Address: 10005 Mission Mill Road Whittier, CA 90601	Phone:
	Fax:
Project Name: Magnolia Science Academy RCO	Bid Number: 20180267
Project Location:	Bid Date: 2/12/2019

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
803-1	Demo Remainder Of Parking Area (24,280 SF)	1.00	LS	\$40,615.70	\$40,615.70
803-2	Export For Pavement Section	390.00	CY	\$45.99	\$17,936.10
803-3	Parking Area Scarify & Re-Compaction, Finish Subgrade +/- .1'	1.00	LS	\$14,462.26	\$14,462.26

Total Base Bid Price: \$73,014.06

Alternate

803-4	Street Sweeper Option	1.00	DY	\$965.99	\$965.99
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Notes:

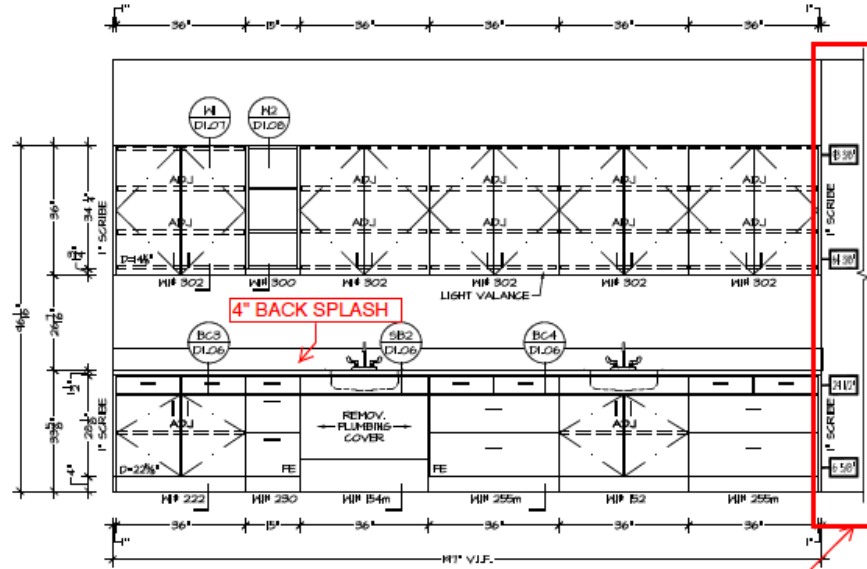
- Overexcavation in the parking area is not included.

*OCCO NOTE:
 2/12 not cost effective. Will propose paver
 to do all, less expensive.*

<p>ACCEPTED: The above prices, specifications and conditions are satisfactory and hereby accepted.</p> <p>Buyer: _____</p> <p>Signature: _____</p> <p>Date of Acceptance: _____</p>	<p>CONFIRMED: G.J. Gentry Engineering Inc</p> <p>Authorized Signature: _____</p> <p>Estimator: David Niederhauser</p>
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Exhibit D



7 BIO LAB ROOM 202
SCALE: 3/8"=1'-0"
REF. ARCH. PLAN: 4/A/1.3
REF. ARCH. ELEV: 1/A/1.3
COUNTERTOP: GS-1
CABINETS: PL-1

drain pipe shaft got eliminated- extend millwork to wall see SK- 029 attached





10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

OWNER CHANGE ORDER

NO.: 007

Rev

TITLE: OCO #007 - PCI: # 28, #29, #31, #32, #34 & #35 **DATE:** 05/15/2019
PROJECT: Magnolia Science Academy **PROJECT NO.:** 18049
TO: Magnolia Educational and Research Foundation **CONTRACT:** 18049
 250 E. 1st St., 1500
 Los Angeles, CA

We are requesting approval of Owner Change Order #007 which incorporates the following PCIs:

PCI #	Description	Amount
PCI028	Drywall Finish From Level 5 to Level 4	-\$ 20,288.06
PCI029	Fibermesh 150 (Polypropylene) in Lieu of Wire Mesh at the Second Floor	\$ 4,910.00
PCI031	DWP New Electrical Service Pole	\$ 5,907.00
PCI032	Bulletin 4 & 5 Adds	\$ 30,001.00
PCI034	Chem Lab Emergency Natural Gas Shut Off (RFI 191)	\$ 11,340.00
PCI035	Millwork Submittal Changes Added Costs	\$ 1,995.00
Total:		\$ 33,864.94

The Original Contract Sum was \$ 7,392,479.00
 Net Change by Previously Authorized Requests and Changes \$ 452,680.00
 The Contract Sum Prior to This Change Order was \$ 7,845,159.00
 The Contract Sum will be Increased \$ 33,864.94
 The New Contract Sum Including This Change Order \$ 7,879,023.94
 The Contract Time Will Not Be Changed
 The Date of Substantial Completion as of This Change Order therefore is 07/02/2019

ACCEPTED:

Oltmans Construction Co.

Magnolia Educational and Research Foundation

By: _____
Trevor Lawton, Project Manager

By: _____

Date: _____

Date: _____



CONSTRUCTION CO.
 10005 Mission Mill Road
 Whittier, CA 90601
 Phone: (562) 948-4242 Fax: (562) 695-9267

**POTENTIAL CHANGE ITEM
 PCI028**

TITLE: Drywall Finish From Level 5 to Level 4

DATE: 04/19/2019

PROJECT: Magnolia Science Academy

PROJECT NO.: 18049

TO:
Magnolia Educational and Research Foundation
 250 E. 1st St., 1500
 Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This change order request includes costs associated with the reduction of drywall finish from level 5 to level 4 per RFI 180. Refer to RFI 180 for locations where level 5 finish is to remain.

Vendor	Description	Amount
Oltmans Drywall/Door	Drywall Finish From Level 5 to Level 4. See OCCO Wall COR 6 for reference.	-18,739.06
	SUBTOTAL:	-18,739.06
	Bond	-153.00
	Gross Tax	-24.00
	GL	-181.00
	SDI	-234.00
	Fee	-957.00
	SUBTOTAL:	-1,549.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		-20,288.06

APPROVAL:

Oltmans Construction Co.

BY:  Trevor Lawton

DATE: 4/19/19

APPROVAL:

Magnolia Educational and Research

BY: 

DATE:

OLTMANS WALL

Bid Summary
Magnolia Science Academy

MSA COR 6

Bid No. 1168

Selected Sections: 09260 Tape Walls

Selected Typical Areas:

Selected Areas: (unassigned)

Estimator: **KJ - Kris Johnston**

Job Class:

Wage Type: **Los Angeles/Orange County**

Job Site: **18220 Sherman Way, Reseda, CA 91335**

Job Status:

Bid Date/Time: **4/19/2018 10:26:19 AM**

Plans Date: **4/19/2018**

Deduct from Level 5 to Level 4 Finish.

09260 Tape Walls
(unassigned)

No.	Condition	Height	Quantity	Unit Price			Total Price	Man Days
				Mat.	Lab.	Total		
1	L5 deduct to L4	10' 0"	3,135.24 LF	-0.37	-5.60	-5.98 / LF	-18,739.06	-30.55
Material & Labor Total:							-18,739.06	-30.55
(unassigned) Total:							-18,739.06	-30.55
09260 Tape Walls Total:							-18,739.06	-30.55
Grand without additional markups Total:							-18,739.06	-30.55
Additional Markups Total:							0.00	
Grand Total:							-18,739.06	



CONSTRUCTION CO.
10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

REQUEST FOR INFORMATION
RFI-180

SUBJECT:	Drywall Level 4 In Lieu of Level 5 Finish at Selected Location	DATE:	03/20/2019
PROJECT:	Magnolia Science Academy	PROJECT NO.:	18049
		REQUIRED:	03/25/2019
TO:	Johann Wang Franco Architects Inc.	COST IMPACT:	POTENTIALLY
		DAYS IMPACT:	POTENTIALLY
FROM:	Elizabeth Lara Oltmans Construction Co.		

Co-Author:	Oltmans Construction Co.	Contact:	Trevor Lawton	Co-Author RFI Number:	Drywall Level 4
-------------------	--------------------------	-----------------	---------------	------------------------------	-----------------

Request:

Requested by Trevor Lawton, 3/20/19:

Per our discussion at the OAC meeting, we are confirming we will proceed with level 4 in lieu of level 5 with the exception of walls where there is drywall erase paint and at the atrium wall as a VE.

Suggestion:

Answer: **Accept Suggestion**

Affirmative.

Johann Wang Architect

Answered By:

Date: 03/21/19

Distribution:



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM

PCI029

TITLE: Fibermesh 150 (Polypropylene) in Lieu of Wire Mesh at the Second Floor**DATE:** 04/19/2019**PROJECT:** Magnolia Science Academy**PROJECT NO.:** 18049**TO:** Patrick Anton Ontiveros**Magnolia Educational and Research Foundation**

250 E. 1st St., 1500

Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment required to install the Fibermesh 150 (Polypropylene) in lieu of wire mesh at the second floor per the request of Tim Buresch at the OAC meeting dated 9/5/18 and per the approved submittal #03300-04 and RFI 062.1.

_Credit wire mesh labor and material: (\$6,955)

_Add for Fibermesh 150 (Polypropylene) and added finishing time due to fibers: \$11,215.00

This PCI excludes any items not identified above including future or design impact, and changes caused by City review or inspections.

Vendor	Description	Amount
Johasee Rebar, LP	Wire Mesh Credit (Labor & Material)	-6,955.00
Oltmans Concrete	Cast-in-Place Concrete	11,488.00
	Bond	38.00
	SUBTOTAL:	4,571.00
	Fee	232.00
	GL	44.00
	Gross Tax	6.00
	SDI	57.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		4,910.00

APPROVAL:

Oltmans Construction Co.

BY: Trevor Lawton**DATE:****APPROVAL:**

Magnolia Educational and Research

BY: Patrick Anton Ontiveros**DATE:**



Leaders in Rebar and Post-Tensioning
Fabrication and Installation since 1987

18059 Rosedale Hwy | Bakersfield, CA 93314
T: 661.589.0972 | F: 661.589.7881
CA State License #1013859

RCO #1R1

Credit

To: **OLTMANS CONSTRUCTION COMPANY**
10005 Mission Mill Rd.
Whittier, CA

Date: Dec 18, 2018

By Email: Trevor@oltmans.com

Attention: **Trevor Lawton**

Johasee Project No.: 18-0389

Project: **Magnolia Science Academy**

The following variation to your contract with us is hereby requested, in the amount of:

Extra: \$ **(6,955.00)**
Credit:

Breakdown: RFI-062; RFI-062.1, concrete topping slab.

6x6x4/4 Mesh -107 Sheets @ \$ 65.00 /Sheet = \$ (6,955.00)

Attached: Add delete sheet and RFI-062; RFI-062.1.

Submitted by:
Johasee Rebar, LP

Approved by:

Name & Title: Susan Vuong, Contract Administrator

Received by:
OLTMANS CONSTRUCTION COMPANY

Approved by:

Name and Title:

Note: If approved, please issue a change order to the contract amount, or send back signed proposal in order to proceed with fabrication of material.

THANK YOU FOR YOUR BUSINESS



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM
PCI002

TITLE: Cost to add 1.5#'s of Polypropylene fibers to the lightweight concrete mix **DATE:** 10/29/2018

PROJECT: Concrete, Magnolia Science Academy **PROJECT NO.:** C18049

TO:
Oltmans Construction Co.
10005 Mission Mill Road
Whittier, CA 90601

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

Vendor	Description	Amount
	General Conditions	210.00
	Concrete	10,648.27
	SUBTOTAL:	10,858.27
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		10,858.27

APPROVAL:
Oltmans Construction Co.

BY: Raymond Elias
DATE:

APPROVAL:
Oltmans Construction Co.

BY:
DATE:



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM
PCI003

TITLE: Added finishing time for the addition of Fibers to the It wt decks

DATE: 10/29/2018

PROJECT: Concrete, Magnolia Science Academy

PROJECT NO.: C18049

TO:

Oltmans Construction Co.
10005 Mission Mill Road
Whittier, CA 90601

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

Vendor	Description	Amount
Mead Construction Company	Cement Finishing	630.00
SUBTOTAL:		630.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		630.00

APPROVAL:
Oltmans Construction Co.

BY: Raymond Elias
DATE:

APPROVAL:
Oltmans Construction Co.

BY:
DATE:



CONSTRUCTION CO.

10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

REQUEST FOR INFORMATION

RFI-062

SUBJECT:	Concrete Topping Slab Clarification	DATE:	08/21/2018
PROJECT:	Magnolia Science Academy	PROJECT NO.:	18049
		REQUIRED:	08/24/2018
TO:	Etmny Cornejo Franco Architects Inc.	COST IMPACT:	POTENTIALLY
		DAYS IMPACT:	POTENTIALLY
FROM:	Olivia Sanchez Oltmans Construction Co.		

Co-Author:	Contact:	Co-Author RFI Number:
-------------------	-----------------	------------------------------

Request:

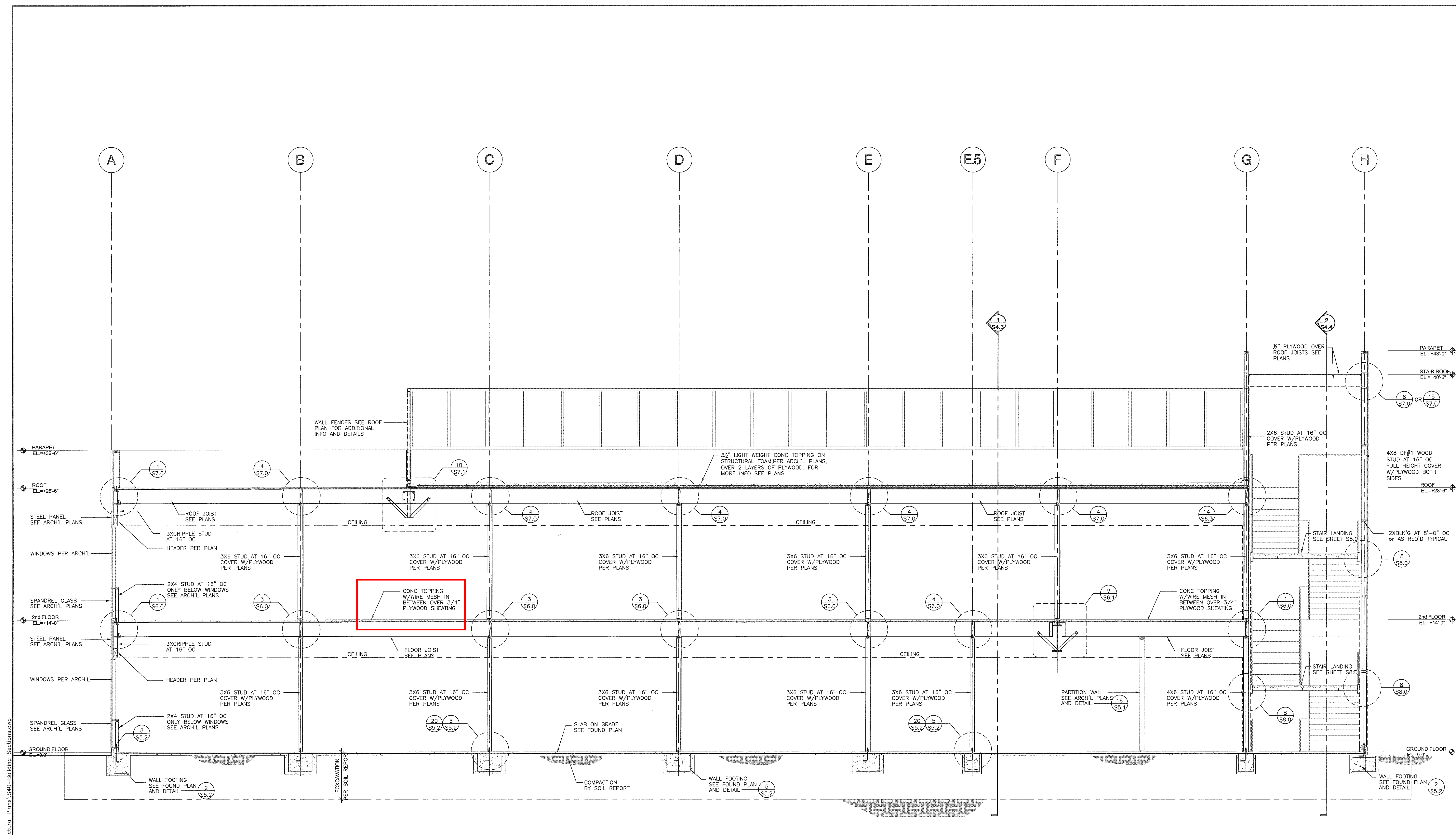
Refer to: S4.0

1. The concrete topping on 2nd floor over plywood is not a standard decking detail and we would like to ensure we are meeting design intent and general functionality.
 - a. Please confirm the +/-2.5" concrete topping slab (4000psi) over ¾" plywood on the 2nd floor is to receive wire mesh per S4.0.
 - b. Please confirm there is NO relief/soft cuts required for this slab.
 - c. Please advise if there are any pre-loading or shoring requirements for the 2nd floor and rooftop decks.

Suggestion:**Answer:** **Accept Suggestion**

1. The floor joists and plywood are designed to support the light weight concrete topping.
 - a. Please make sure the concrete is LIGHT WEIGHT CONCRETE. The concrete topping slab receives wire mesh per notes 1 on sheet S2.0.
 - b. No relief/soft cuts is required
 - c. No pre-loading or shoring is required. The plywood and roof/floor framing is designed to support the extra concrete weight. Please make sure all the roof/floor framing and diaphragm are constructed per approved structural set first. Then the concrete topping can be constructed.

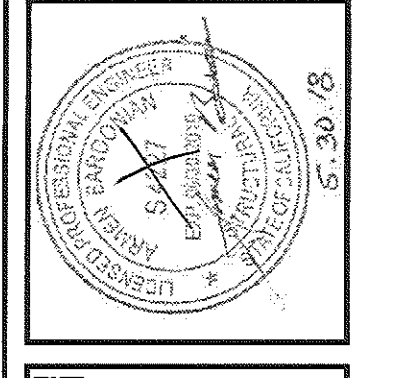
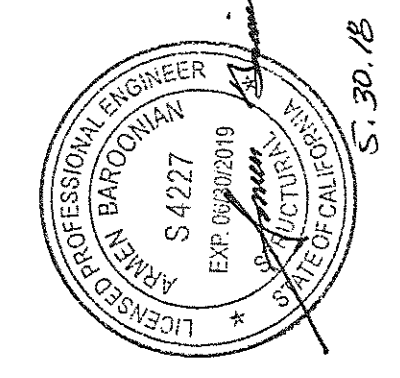
Z.C.**Answered By:****Date:** 08/21/2018**Distribution:**



NOTE:
EXTERIOR WALLS ARE FIRE
RETARDANT TREATED SEE
PLANS AND DETAIL

1 BUILDING SECTION
S4.0
SCALE: 1/4"=1'-0"
NOTES:
1. FOR INFORMATION NOT SHOWN SEE ARCH'L PLANS SECTION 1/AS.1
2. ELEVATION TO BE VERIFIED W/ARCH'L PLANS
3. FOR JOISTS/BEAMS/DECK DIRECTION SEE PLANS

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	PLAN CHECK #2	



PROJECT	
MAGNOLIA SCIENCE ACADEMY	
PROJECT ADDRESS	
18238 SHERMAN WAY, RESEDA, CA 91335	
DRAWING TITLE	
BUILDING SECTION	
DATE BY	DATE
DM	03/09/2018
20 NUMBER	DRAWING SCALE
17-127	AS NOTED
APPROVED BY:	
Signature	
DATE	
MAY 31 2018	
DRAWING NUMBER	
S4.0	

May 29, 2018 8:52 am : User: cscar... X:\17-127 Magnolia Science Ac. edemx\1 Structural Plans\S4.0-Building Sections.dwg



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

REQUEST FOR INFORMATION
RFI-062.1

SUBJECT: Fiberglass Mesh Specification
PROJECT: Magnolia Science Academy
TO: Etmny Cornejo
Franco Architects Inc.
FROM: Olivia Sanchez
Oltmans Construction Co.

DATE: 09/11/2018
PROJECT NO.: 18049
REQUIRED: 09/14/2018
COST IMPACT: POTENTIALLY
DAYS IMPACT: POTENTIALLY

Co-Author: **Contact:** **Co-Author RFI Number:**

Request:

Refer to: Response to RFI 062

Response to RFI #062 states concrete topping slab to receive wire mesh per note 1 on S2.0. Per OAC meeting on 9/5/2018, owner has requested **fiberglass mesh in lieu of wire mesh.** Please provide a specification for fiberglass mesh.

Suggestion:

Answer: Accept Suggestion

*please verify fiberglass mesh
or polypropylene fibers. please let me
know
b.v.
9/13/18*

Answered By: _____

Date:

Distribution:

Contact	Company
Devin Ulibarri	Oltmans Construction Co.
Jeff Rich	Oltmans Construction Co.
Johann Wang	Franco Architects Inc.
Karen Montalvo	Franco Architects Inc.
Stephanie Liu	Franco Architects Inc.
Sarineh Minasian	Franco Architects Inc.
Tim Buresh	Magnolia Educational and Research Foundation



TRANSMITTAL
TRN-052

PROJECT: Magnolia Science Academy
TO: Franco Architects Inc.
12345 Ventura Blvd.
Suite H
Studio City, CA 91604

PROJECT NO.: 18049
DATE: 09/26/2018
RE: Concrete Mix Design with 1.5# of Fibers

ATTN: Etmny Cornejo

WE ARE SENDING:		SUBMITTED FOR:		ACTION TAKEN:			
<input type="checkbox"/>	Shop Drawings	<input checked="" type="checkbox"/>	Approval	<input type="checkbox"/>	Approved as Noted		
<input type="checkbox"/>	Letter	<input type="checkbox"/>	Your Use	<input type="checkbox"/>	Reviewed		
<input type="checkbox"/>	Prints	<input type="checkbox"/>	As Requested	<input type="checkbox"/>	Submit		
<input type="checkbox"/>	Change Order	<input type="checkbox"/>	Review and Comment				
<input type="checkbox"/>	Plans						
<input type="checkbox"/>	Samples	SENT VIA:					
<input type="checkbox"/>	Specifications	<input checked="" type="checkbox"/>	Attached			<input type="checkbox"/>	Separate Cover
<input checked="" type="checkbox"/>	Other: Mix Design	Other: EMAIL					
<input checked="" type="checkbox"/>	Submittal:						

Line	Item	Package	Code	Rev.	Qty.	Date	Description	Status
1	Submittal	03300	03300-04	1		09/26/2018	Concrete Mix Design with 1.5# of Fibers	Submitted

REMARKS: Please see attached submittal for your review and approval. Generally, all of the Oltmans Construction notes shall be in green. Please return this submittal within five (5) days from date stated above.

Per RFI #062.1

CC:

FROM: Olivia Sanchez
Project Engineer

REVIEW IS FOR GENERAL COMPLIANCE WITH CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSUMED FOR CORRECTNESS OF DIMENSIONS OR CTF DETAILS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESS AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS OR HER WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING ALL WORK IN A SAFE AND SATISFACTORY MANNER.

REVIEWED _____ REJECTED _____
REVISE & RESUBMIT _____ FURNISH AS CORRECTED _____

DATE 09/28/18 BY Johann Wang
FRANCO ARCHITECTS, INC.

Reviewed Revise & Resubmit
 Furnish as Corrected Rejected

Corrections or comments made on the shop drawings during this review do not relieve contractor from compliance with requirements of the drawings and specifications. This is only for review of the general conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for: Confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction: coordinating his or her work with that of all other trades and performing all work in a safe and satisfactory manner.

B&B ASSOCIATES, INC.

Date: 9/26/18
By: C.K.

IMPORTANT NOTES:

APPROVED ARCHITECTURAL AND STRUCTURAL DRAWINGS ALWAYS TAKE PRECEDENCE OVER THE SHOP DRAWINGS.

ANY CHANGES IN THE SHOP DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER.

ANY DEVIATION FROM APPROVED DRAWINGS WITHOUT RFI OR CLOUDS FOR VERIFICATION FROM THE ENGINEER OF RECORD, IT WILL BECOME THE RESPONSIBILITY OF THE CONTRACTOR.

Oltmans Construction Company
Magnolia Science Academy
SUBMITTAL NO: 03300-04
SUBCONTRACTOR: OCCO Concrete
The information contained within this submittal has been reviewed for general conformance with the requirements of the work and the contract documents. This review does not relieve the subcontractor and/or supplier from responsibilities stipulated in the contract.
BY: Olivia Sanchez **DATE:** 9/26/18
All Pages Reviewed

ROBERTSON'S

ROCK * SAND * BASE MATERIALS
READY MIX CONCRETE

QUALITY CONTROL - TECHNICAL SERVICES

FACSIMILE MESSAGE

Telephone: (951) 685-2200 ext 6381

FAX #: (951) 280-1429

To: Oltmans Construction

From: ROBERTSON'S READY MIX

Attn: Raymond Elias

From: Robbi Stanoff

Fax: _____

Fax: (951) 280-1429

E-mail: RaymondE@oltmans.com

E-mail: Robbie@rrmca.com

Date: 09/24/2018

No. of Pages 3 + Certs

(INCLUDING COVER PAGE)

Subject: Mix design for Magnolia Science Academy- 18220 Sherman Way,

Reseda

Message: **Please check with the sales department for any possible price changes.**

ROBERTSON'S

ROCK * SAND * BASE MATERIALS
READY MIX CONCRETE



Date: 6/26/2018

Concrete Mix Design #: 613901

Project: **Magnolia Science Academy- 18220 Sherman Way - Reseda**

Contractor: **Oltmans Construction**

Description: **4000 psi Lightweight Mix**

Strength (f'c): **4000 psi**

Slump: **4 "**

Max. Size of Agg.: **3/8 "**

Pump Type: **Verify with pump company**

W/C ratio: 0.50

Sack Content: 6.91 sk.

Gal/sk.: 5.64

Plastic Un. Wt.: 123

Equilibrium unit weight Un. Wt.: 110

Aggregate Weights are SSD; Moisture in Aggregates Must be Considered When Determining Total Mix Water

Contents:

Cement (ASTM C-150)

Fly Ash-Class F (ASTM C-618)

Sand
1-1/2" x 3/4"

Hydrolite 16.82 cubic ft

3/8" x #8

Water 39.0 gal.

Entrained Air 5 %

MIX DESIGN PROPORTION

Batch Wt.	%used	Sp. Gr.	Volume
650	100	3.15	3.31
0	0	2.33	0.00
1417	50	2.62	8.65
0	0	2.67	0.00
925	50	1.75	8.48
0	0	2.65	0.00
324.9			5.21
			1.35
3317		Vol. =	27.00

ADMIXTURES :

Pozz200N (ASTM C-494) **3.0** oz./cwt.

Micro Air (ASTM C-260) **.3 to 5** oz./cwt.

****Optional Fibers: Fibermesh 150**

19.5 oz.
2 to 33 oz range
1.5 lbs/yd.

Notes: Dosage rate of entrained air shall be adjusted to achieve the design air content.

Fibermesh 150 fibers are non-stock. Please request 3-5 days prior to pour.

PLEASE FORWARD STRENGTH DATA TO ROBERTSON'S TECHNICAL SERVICES FOR STATISTICAL ANALYSIS

Size	%	2"	1 1/2"	1"	3/4"	1/2"	3/8"	No 4	No 8	No 16	No 30	No 50	No 100	No 200
1 1/2"	0	100	95	33	7	3	1	0	0	0	0	0	0	0
Hydrolite	50	100	100	100	100	100	93	33	12	7	0	0	0	0
3/8"	0	100	100	100	100	100	96	18	2	1	1	0	0	0
WCS	50	100	100	100	100	100	100	98	77	60	39	18	6	2
Combined	100	100	100	100	100	100	97	66	45	34	20	9	3	1

Sand Source : **Robertson's Palmdale**

Rock Source : **TXI - Expanded Shale & Clay**

Cement : **Portland Cement Type II/IV**

Aggregates meet ASTM C-330

Compressive Strength Results**Mix # 613901**

Project Magnolia Science Academy- 18220 Sherman Way - Reseda Date: 6/26/2018
 Subject Submittal

MSA, in.: 3/8
 EqSack: 6.91

Source of Aggregate: Palmdale/ TXI Exp. Shale
 Cement: Mitsubishi
 Mineral Admixture: None
 Chemical Admixture: Pozz200N/Micro Air

Set #	Cast Date	28 day test 1	28 day Test 2	28 Day Average	Range	Cumulative Average	Cumulative Standard Deviation	Cumulative Coefficient Variance	Moving Three (3)
1	12/9/2015	4210	4350	4280	140	4280			
2	12/9/2015	4540	4580	4560	40	4420	198.0	4.5	
3	12/9/2015	4670	4540	4605	130	4482	176.1	3.9	4482
4	12/9/2015	4460	4270	4365	190	4453	155.2	3.5	4510
5	12/9/2015	4390	4640	4515	250	4465	137.2	3.1	4495
6	12/14/2015	4480	4830	4655	350	4497	145.2	3.2	4512
7	12/14/2015	4930	5150	5040	220	4574	244.4	5.3	4737
8	12/14/2015	4340	4560	4450	220	4559	230.5	5.1	4715
9	12/14/2015	4180	4270	4225	90	4522	242.6	5.4	4572
10	12/14/2015	4980	5160	5070	180	4577	287.1	6.3	4582
11	12/14/2015	5100	5170	5135	70	4627	320.2	6.9	4810
12	12/14/2015	4620	4550	4585	70	4624	305.5	6.6	4930
13	12/17/2015	4620	4600	4610	20	4623	292.5	6.3	4777
14	12/17/2015	4730	4870	4800	140	4635	285.0	6.1	4665
15	12/17/2015	4870	4760	4815	110	4647	278.6	6.0	4742
16	12/17/2015	4330	4920	4625	590	4646	269.2	5.8	4747
17	12/21/2015	4270	4370	4320	100	4627	272.3	5.9	4587
18	12/21/2015	4210	4180	4195	30	4603	283.1	6.2	4380
19	12/21/2015	4750	4550	4650	200	4605	275.4	6.0	4388
20	12/21/2015	4520	4270	4395	250	4595	272.1	5.9	4413
21	12/21/2015	4390	4440	4415	50	4586	268.1	5.8	4487
22	12/28/2015	4270	4280	4275	10	4572	269.9	5.9	4362
23	12/28/2015	4240	4400	4320	160	4561	268.9	5.9	4337
24	12/28/2015	4220	4350	4285	130	4550	269.0	5.9	4293
25	12/28/2015	4280	4400	4340	120	4541	266.6	5.9	4315
26	12/31/2015	4160	4220	4190	60	4528	270.2	6.0	4272
27	12/31/2015	4640	4470	4555	170	4529	265.0	5.9	4362
28	12/31/2015	4770	4440	4605	330	4531	260.4	5.7	4450
29	12/31/2015	4190	4160	4175	30	4519	264.1	5.8	4445
30	12/31/2015	4050	4270	4160	220	4507	267.7	5.9	4313

Spec'd f_c = 4000 psi @ 28 days
 Reg'd f_{cr} = 4359 psi, the larger of [1] or [2] Below

Number of tests 30
 Modification Factor (K) 1
 Maximum 5135
 Minimum 4160
 Average 4507
 Standard Deviation (s) 267.7
 Coefficient of variation 5.9

[1] $f_{cr} = f_c + 1.34ks = 4000 + (1.34 * 1 * 267.7) = 4359$
 [2] $f_{cr} = f_c + 2.33ks - 500 = 4000 + (2.33 * 1 * 267.7) - 500 = 4124$



MITSUBISHI CEMENT CORPORATION

CERTIFICATE OF TEST

Portland Cement - Type I, II, II (MH) & V Date: 9/10/2018

Source: Cushenbury Plant, 5808 State Highway 18, Lucerne Valley, CA 92356

ASTM designation: C 150 - 16 for Type I, II, II (MH) & V low alkali Cement	Production Period
CALTRANS Specification: Section 90 – 2.01 for Type II modified and V (2006)	From: 8/1/2018
Specification: Section 90 – 1.02B(2) (2015)	
NDOT Specification: Section 701.03.01 for Type II and V	To: 8/31/2018
AZDOT Specifications Subsection 1006-2.01 for Type II and V	

Chemical Composition:

	ASTM C-150 Limits				Test Results
	Type I	Type II	Type V		
Silicon Dioxide (SiO ₂), %	---	---	---	Min.	20.9
Aluminum Oxide (Al ₂ O ₃), %	---	6.0	---	Max.	4.1
Ferric Oxide (Fe ₂ O ₃), %	---	6.0	---	Max.	3.7
Calcium Oxide (CaO), %	---	---	---		62.6
Magnesium Oxide (MgO), %	6.0	6.0	6.0	Max.	3.1
Sulfur Trioxide (SO ₃), %	3.0	3.0	2.3	Max.	2.2
Loss on Ignition (LOI), %	3.5	3.5	3.5	Max.	2.0
Insoluble Residue	1.5	1.5	1.5	Max.	0.71
Total Alkali (%Na ₂ O + 0.658 * %K ₂ O)	0.60	0.60	0.60	Max.	0.51
Tricalcium Silicate (C ₃ S), [b] %	---	---	---		54
Tricalcium Aluminate (C ₃ A), [b] %	---	8	5	Max.	4
C ₄ AF + 2*C ₃ A [b]	---	---	25	Max.	20
C ₃ S + 4.75*C ₃ A [b]	---	100	---	Max.	76
CO ₂ , %	---	---	---		1.3
Limestone, %	5.0	5.0	5.0	Max.	3.4
CaCO ₃ Limestone Purity, %	70	70	70	Min.	84

PHYSICAL RESULTS:

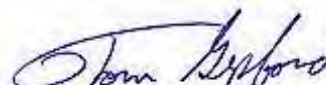
Blaine Fineness (m ² /kg)	260 / ---	260 / 430	260 / ---	Min / Max	382
325 Mesh (% Passing)	---	---	---		98.4
Autoclave Expansion (%)	0.80	0.80	0.80	Max.	0.06
Time of Set Initial Vicat (minutes)	45 / 375	45 / 375	45 / 375	Min / Max	132
Air Entrainment (% Volume)	12	12	12	Max.	6.4
C1702 Heat of Hydration at 7 Days (J/g)	---	---	---	[a]	338
False Set, %	50	50	50	Min.	88
Color, (L value)	---	---	---		56

Compressive Strength Test:

	Type I		Type II		Type V		MPA	PSI
	MPA	psi	MPA	psi	MPA	psi		
1 Day	---	---	---	---	---	---	13.9	2011
3 Day	12.0	1740	10.0	1450	8.0	1160	Min.	24.6 3569
7 Day	19.0	2760	17.0	2470	15.0	2180	Min.	32.9 4766
28 Day	---	---	---	---	21.0	3050	Min.	43.1 6249

This cement has been sampled and tested in accordance with ASTM standard methods and procedures. All tests results are certified to comply with the type specification designated above. No other warranty is made or implied. We are not responsible for improper use or workmanship. The MCC laboratory is AASHTO accredited. [a] For information only. [b] Adjusted per ASTM C150 A1.6.

MITSUBISHI CEMENT CORPORATION



Tom Gepford
Quality Control Manager


MITSUBISHI CEMENT CORPORATION
CERTIFICATE OF TEST

Source: Cushenbury Plant

Portland Cement - Type I, II, II (MH) & V

Date: 9/10/2018

ASTM designation: C 150 - 16 for Type I, II, II (MH) & V low alkali Cement

Production Period

CALTRANS Specification: Section 90 – 2.01 for Type II modified and V
Specification: Section 90 – 1.02B(2) (2010)

From: 8/1/2018

NDOT Specification: Section 701 – 3.01 for Type II and V

To: 8/31/2018

AZDOT Specifications Subsection 1006-2.01 for Type II and V

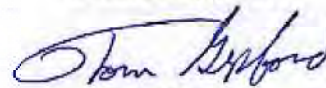
Additional Data**Limestone Addition**

% Addition:	3.4
SiO ₂ (%)	8.7
Al ₂ O ₃ (%)	2.6
Fe ₂ O ₃ (%)	0.8
CaO (%)	47.6
SO ₃ (%)	0.6

Base Cement Phase Composition

C ₃ S	56
C ₂ S	18
C ₃ A	5
C ₄ AF	11

We certify that the above described data represents the material used in the cement manufactured during the production period indicated.

MITSUBISHI CEMENT CORPORATION
Cushenbury plant

Tom Gepford
Quality Control Manager

FIBERMESH® I50

PRODUCT DATA SHEET

FIBERMESH® I50 SYNTHETIC FIBER

Fibermesh I50, formerly Stealth® e3®, micro-reinforcement system for concrete—100 percent virgin homopolymer polypropylene multifilament fibers containing no reprocessed olefin materials. Specifically engineered and manufactured in an ISO 9001:2000 certified facility for use as concrete reinforcement at an application rate of 1.0 to 1.5 lbs per cubic yard (.60 to .90 kg per cubic meter). UL Classified. Complies with National Building Codes and ASTM C III6/C III6M, Type III fiber reinforced concrete.

ADVANTAGES

Non-magnetic • Rustproof • Alkali proof • Requires no minimum amount of concrete cover • Is always positioned in compliance with codes • Safe and easy to use • Saves time and hassle.

FEATURES & BENEFITS

- Inhibits and controls the formation of intrinsic cracking in concrete
- Reinforces against impact forces
- Reinforces against abrasion
- Reinforces against the effect of shattering forces
- Reinforces against water migration
- Provides improved durability
- Reduces plastic shrinkage and settlement cracking
- Alternate system to traditional reinforcement when used for secondary (crack control) reinforcing in concrete

PRIMARY APPLICATIONS

Applicable to all types of concrete which demonstrate a need for resistance to intrinsic cracking and improved water tightness and an aesthetic finish.

- Slabs-on-ground
- Stucco
- Slope paving
- Sidewalks
- Curbs
- Exposed aggregate
- Driveways
- Overlays & toppings

CHEMICAL AND PHYSICAL PROPERTIES

Absorption	Nil	Melt Point	324°F (162°C)
Specific Gravity	0.91	Ignition Point	1100°F (593°C)
Fiber Length*	Graded	Thermal Conductivity	Low
Electrical Conductivity	Low	Alkali Resistance	Alkali Proof
Acid & Salt Resistance	High		

*Also available in single cut lengths

DO SPECIFY FIBERMESH I50 FIBERS:

- Reduced plastic shrinkage cracking
- Improved impact, shatter and abrasion resistance
- Reduced water migration and damage from freeze/thaw
- Improved durability
- Areas requiring non-metallic materials
- Concrete that needs an architectural finish

DO NOT SPECIFY FIBERMESH I50 FIBERS:

- Crack control from external stresses
- Increasing joint spacing beyond ACI and PCA guidelines
- Decreasing thickness of slabs
- Replacing any moment or structural steel

FIBERMESH® 150

PRODUCT USE

MIXING DESIGNS AND PROCEDURES: Fibermesh® 150 micro reinforcing is a mechanical, not chemical, process. The addition of Fibermesh 150 multifilament fibers do not require any additional water or other mix design changes at normal rates. Fibermesh 150 fibers are added to the mixer before, during or after batching the other concrete materials. Mixing time and speed are specified in ASTM C 94.

FINISHING: Fibermesh 150 micro-reinforced concrete can be finished by any finishing technique. Exposed aggregate, broomed and tined surfaces are no problem.

APPLICATION RATE: The application rate for Fibermesh 150 fibers is 1.0 to 1.5 lbs per cubic yard (.60 to .90 kg per cubic meter). Note: .75 lbs per cubic yard (.44 kg per cubic meter) may be acceptable based on local building codes.

GUIDELINES

Fibermesh 150 fibers should not be used to replace structural, load-bearing reinforcement. Fibermesh 150 fibers should not be used as a means of using thinner concrete sections than original design. Fibermesh 150 fibers should not be used to increase joint spacing past those dimensions suggested by PCA and ACI industry standard guidelines.

COMPATIBILITY

Fibermesh 150 fibers are compatible with all concrete admixtures and performance enhancing chemicals, but require no admixtures to work.

PACKAGING

Fibermesh 150 fibers are available in a variety of packaging options. Special packaging is available for full truckload addition. Fibermesh 150 fibers are packaged, packed into cartons, shrink-wrapped and palletized for protection during shipping.

TECHNICAL SERVICES

Trained Propex Concrete Systems specialists are available worldwide to assist and advise in specifications and field service. Propex Concrete Systems representatives do not engage in the practice of engineering or supervision of projects and are available solely for service and support of our customers.

REFERENCE DOCUMENTS

- ASTM C 94/C 94M Standard Specification for Ready-Mixed Concrete.
- ASTM C III6/C III6M Standard Specification for Fiber-Reinforced Concrete.
- ASTM C 1399 Standard Test Method for Obtaining Average Residual-Strength of Fiber-Reinforced Concrete.
- ASTM C 1436 Standard Specification for Materials for Shotcrete.
- ASTM C 1609/C 1609M Standard Test Method for Flexural Performance of Fiber-Reinforced Concrete (Using Beam With Third-Point Loading). Replaces ASTM C 1018.
- ACI 304 Guide for Measuring, Mixing, Transporting and Placing Concrete.
- ACI 506 Guide for Shotcrete.
- International Code Council (ICC) NER-414 Evaluation Report.



UL® Classified: Type Fibermesh 150. For use as an alternate or in addition to the welded wire fabric used in Floor-Ceiling D700, D800, D900 Series Designs. Fibers may also be used in Floor-Ceiling Design Nos. G229, G243, G256, G514. Fiber added to concrete mix at a rate of 1.0 lb of fiber for each cubic yard of concrete.

SPECIFICATION CLAUSE

Use Fibermesh 150 only 100 percent virgin polypropylene multifilament fibers containing no reprocessed olefin materials and specifically engineered and manufactured in an ISO 9001:2000 certified facility for use as concrete secondary reinforcement. Application per cubic yard shall equal a minimum of 1.0 lb/yd³ (.60 kg/m³). Fibers are for the control of cracking due to plastic shrinkage, plastic settlement and thermal expansion/contraction, lowered permeability, increased impact, abrasion and shatter resistance. Fiber manufacturer shall document evidence of ten year satisfactory performance history, ISO 9001:2000 certification of manufacturing facility, compliance with applicable building codes and ASTM C III6/C III6M, Type III fiber reinforced concrete. Fibrous concrete reinforcement shall be manufactured by Propex Concrete Systems, 6025 Lee Highway, Suite 425, PO Box 22788, Chattanooga, TN 37422, USA, tel: 423 892 8080, fax: 423 892 0157, web site: fibermesh.com.

PROPEX
CONCRETE SYSTEMS

THE ADVANTAGE CREATORS.™

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www.fibermesh.com

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CS-509
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10/07



Date: January 7, 2011

Certification of Compliance: FIBERMESH® 150 e3®

This letter is to certify that FIBERMESH® 150 e3® fibers meet our published specifications and the requirements of ASTM C-1116/C116M-08, Type III 4.1.3, "Standard Specification for Fiber-Reinforced Concrete. FIBERMESH 150 is a patented combination of graded multifilament polypropylene fibers manufactured and tested at Propex Chattanooga facility that has maintained ISO-9001:2008 certification for its systematic approach to quality.

The controlled blend of micro-multifilament fibers are made from 100% virgin polypropylene and we certify that FIBERMESH 150 e3 fibers reduce plastic shrinkage and plastic settlement crack formation, improve impact, abrasion and shatter resistance, reduce water migration and provide a minimum level of residual strength. The e3 technology is engineered for length, thickness, and mix ratio designed to provide excellent finishability with standard finishing techniques. FIBERMESH 150 is designed to have a virtually invisible finish, has excellent mixing properties and will not ball or clump during normal mixing procedures and conforms to the following properties:

Property		Property	
Denier	6, 20	Ignition Point	1100° F
Fiber Length	Graded	Thermal Conductivity	Low
Specific Gravity	0.91	Electrical Conductivity	Low
Absorption	Nil	Alkali Resistance	Alkali Proof
Melt Point	324° F	Acid & Salt Resistance	High

Thank you for choosing FIBERMESH® 150 e3® fibers. Please do not hesitate to contact us if we can be of further assistance.

Sincerely,

Carl Labbe
Chattanooga Manufacturing

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PROPEX OPERATING COMPANY L L C.

6025 Lee Hwy, Ste 425 • PO Box 22788 • Chattanooga, TN 37422 • USA
Telephone 800.621.1273 • Fax 423.899.5005 • Internet: www.fibermesh.com



Grace Construction Products

W.R. Grace & Co. – Conn.
293 Wright Brothers Avenue
Livermore, CA 94550

925-443-9700

www.graceconstruction.com

Robertson's
200 S. Main st
Corona, California 92336

Project Name: Various Locations
Product Selected: Darex® II AEA

This is to certify that the Darex® II AEA, a(n) Air-Entraining Agent, as manufactured and supplied by Grace Construction Products, W.R. Grace & Co. – Conn., is formulated to comply with the Specifications for Chemical Admixtures for Concrete, ASTM: C260 AASHTO: M154.

Darex® II AEA does not contain calcium chloride or chloride containing compounds as a functional ingredient. Chloride ions may be present in trace amounts contributed from the process water used in manufacturing.

The foregoing is in addition to and not in substitution for our standard Conditions of Sale attached.

A handwritten signature in black ink, appearing to read "Mike Gardner".

Mike Gardner
Western Region Technical Services Manager

Grace Concrete Products

DAREX® II AEA

Air-entraining admixture

ASTM C260

Product Description

Darex® II AEA is an air-entraining admixture which generates a highly stable air void system for increased protection against damage from freezing and thawing, severe weathering, or de-icer chemicals. Darex II AEA is a complex mixture of organic acid salts in an aqueous solution specifically formulated for use as an air-entraining admixture for concrete and is manufactured under rigid control which provides uniform, predictable performance. It is supplied ready-to-use and does not require pre-mixing with water. Darex II AEA is a dark brown liquid. One gallon weighs 8.7 lbs (1.04 kg/L). Darex II AEA complies to ASTM C260 *Standard Specifications for Air-Entraining Admixtures for Concrete*.

Uses

Darex II AEA is used in ready-mix, block, and concrete products plants to improve air entrainment stability. It is particularly effective in maintaining air content during longer haul times. Darex II AEA performs well in

conventional concrete and is effective in plasticizing mixes and with slag, lightweight, or manufactured aggregates which tend to produce harsh concrete.

Darex II AEA entrains air effectively with microsilica concrete and with fly ash concrete.

Performance

By agitation of concrete mixers, Darex II AEA disperses and generates millions of discrete semi-microscopic bubbles throughout the concrete composite. Once thoroughly mixed, the concrete contains a stable network of bubbles which act much like ball bearings increasing mobility, or plasticity, of the concrete. This aids workability to the mix and permits a reduction of water with no loss of slump. Placeability is improved. Bleeding, segregation and green shrinkage are minimized.

Through the purposeful entrainment of air, Darex II AEA markedly increases the durability of concrete to all exposures.

Product Advantages

- Air stability makes it particularly useful for longer transit times
- Produces excellent air void systems in concretes that are traditionally difficult to air entrain



Addition Rates

There is no standard addition rate for Darex II AEA. The amount to be used will depend upon the amount of air required under job conditions, usually in the range of 4 to 7%. Typical factors which might influence the amount of air entrained are temperature, cement, sand gradation, and use of extra fine materials such as fly ash. Typical Darex II AEA addition rates generally range from ½ to 5 fl oz/100 lbs (30 to 320 mL/100 kg) of cement.

The air-entraining efficiency of Darex II AEA becomes even greater when used with water-reducing and set-retarding agents. This may allow a reduction of up to ⅔ in the amount of Darex II AEA required for the specified air content.

Mix Adjustment

Entrained air results in increased yields with a consequent decrease in the cement content of the placed concrete. This condition calls for a mix adjustment, usually accomplished by reducing the fine aggregate content. This is in addition to the reduction in water content brought about by the increase in plasticity.

Compatibility with Other Admixtures and Batch Sequencing

Darex II AEA is compatible with most Grace admixtures as long as they are added separately to the concrete mix. In general, it is recommended that Darex II AEA be added to the concrete mix near the beginning of the batch sequence for optimum performance, preferably by “dribbling” on the sand. Different sequencing may be used if local testing shows better performance. Please see Grace Technical Bulletin TB-0110, *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations. Darex II AEA should not be added directly to heated water.

www.graceconstruction.com

North American Customer Service: 1-877-4AD-MIX1 (1-877-423-6491)

Darex is a registered trademark of W. R. Grace & Co.–Conn.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co.–Conn., 62 Whittemore Avenue, Cambridge, MA 02140. In Canada, Grace Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

This product may be covered by patents or patents pending.
AIR-3H Printed in U.S.A. 11/07

Pretesting of the concrete mix should be performed before use, and as conditions and materials change in order to assure compatibility, and to optimize dosage rates, addition times in the batch sequencing and concrete performance. Please consult your Grace representative for guidance.

Packaging & Handling

Darex II AEA is available in bulk, delivered by metered tank trucks, totes and drums.

Darex II AEA will freeze at about 30°F (-1°C), but its air-entraining properties are completely restored by thawing and thorough mechanical agitation.

Dispensing Equipment

A complete line of accurate dispensing equipment is available. These dispensers can be located to discharge into the water line, the mixer, or on the sand.

Specifications

Concrete shall be air entrained concrete, containing 4 to 7% entrained air. The air contents in the concrete shall be determined by the pressure method (ASTM Designation C231), gravimetric method (ASTM Designation C138) or volume metric method (ASTM Designation C173). The air-entraining admixture shall be Darex II AEA as manufactured by Grace Construction Products, or equal. The air-entraining admixture shall be added at the concrete mixer or batching plant at approximately ½ to 5 fl oz/100 lbs (30 to 320 mL/100 kg) of cement, or in such quantities as to give the specified air contents.

GRACE



62 Whittemore Avenue
Cambridge, Massachusetts 02140
USA

GCPat.com

Alla Cannon
Product Certification Specialist
+1 617 498 2639 Office
+1 617 763 0402 Mobile
alla.y.cannon@gcpat.com

10/20/17

To whom it may concern:

This is to certify that **ZYLA 625** a water reducing and retarding admixture as manufactured and supplied by GCP Applied Technologies Inc. is formulated to comply with the Standard Specification for Chemical Admixtures for Concrete, ASTM C 494, Type A and D (AASHTO M 194, Type A and D).

The maximum chloride ion content is 1000 ppm. Typical ZYLA 625 water reducer dosage rates range from 3 to 5 oz/cwt (195 to 325 ml/100kg) and a wider dosage rate range of 2 to 10 oz/cwt (130 to 652 mL/100 kg) can be used if local testing shows acceptable performance.

ZYLA 625 does not contain calcium chloride or chloride containing compounds as a functional ingredient. Chloride ions may be present in trace amounts as contributed from process water used in manufacturing.

A handwritten signature in blue ink that reads "Alla Cannon".

Alla Cannon
Product Certification Specialist

Grace Concrete Products

ZYLA® 625

Water-reducing admixture

ASTM C494 Type A and D

Product Description



ZYLA® 625 water-reducing admixture is a proprietary formulation incorporating polycarboxylate and highly purified specialty organic chemicals. It promotes more complete hydration of Portland cement and has minimal effect on concrete air entrainment. The ZYLA product line of water reducers is specially formulated to have a synergistic effect with polycarboxylate-based mid-range and high-range water reducers that improve flat-work finishability. This product contains no intentionally added chloride and as such is essentially chloride free. It is manufactured under rigid controls that provide uniform, predictable performance. ZYLA 625 water reducer is supplied as a light brown, low viscosity liquid, and is ready-to-use as received. One gallon weighs approximately 9.1 lbs (1.09 kg/L). This product meets the requirements of *Specification for Chemical Admixtures for Concrete*, ASTM Designation C494 as a Type A and D admixture. Please consult your Grace representative for guidance on the ZYLA product line.

Product Advantages

- Minimal impact on concrete air content
- Better control of water reduction and setting times as compared to traditional lignin-based water reducers
- Synergistic performance of polycarboxylate-based mid-range and high-range water reducers, which include water reduction, concrete strength and air control
- In the hardened state, improves the compressive and flexural strengths at all ages of concrete versus traditional lignin-based water reducers

Uses

ZYLA® 625 water reducer is used to produce concrete mixes with lower water content (typically 3% to 10% reduction), greater plasticity and higher compressive strengths. It is suitable for normal weight and light weight concrete in ready-mix, precast and prestressed applications.

Finishability

The unique chemistry of ZYLA® 625 product positively impacts the finishability of concrete by providing a creamier and more homogenous texture, with more uniform and increased bleed rate relative to traditional lignin-based water reducers, although less than ZYLA 610. The influence of ZYLA 625 product on the finishability of lean mixes has been particularly noticeable. Floating and troweling, by machine or hand, imparts a smooth, close tolerance surface.

Addition Rates

The addition rate range of 3 to 5 fl oz/100 lbs (195 to 325 mL/100 kg) of cement or cementitious is typical for most applications. However addition rates of 2 to 10 fl oz/100 lbs (130 to 652 mL/100 kg) of cement or cementitious may be used if local testing shows acceptable performance. Pretesting is required to determine the appropriate addition rate for desired performance. The optimum addition rate depends on the other concrete mixture components, job conditions, and desired performance characteristics.

Compatibility with Other Admixtures and Batch Sequencing

ZYLA® 625 water reducer is compatible with most Grace admixtures as long as they are added separately to the concrete mix, usually through the water holding tank discharge line. However, it is not recommended for use in concrete containing naphthalene-based and melamine-based admixtures. In general, it is recommended that ZYLA 625 admixture be added to the concrete mix near the end of the batch sequence for optimum performance. Different sequencing may be

used if local testing shows better performance. Please see Grace Technical Bulletin TB-0110, *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations. ZYLA 625 water reducer should not come in contact with any other admixture before or during the batching process, even if diluted in mix water.

Pretesting of the concrete mix should be performed before use, and as conditions and materials change in order to assure compatibility, and to optimize dosage rates, addition times in the batch sequencing and concrete performance. For concrete that requires air entrainment, the use of an ASTM C260 air-entraining agent (such as Daravair® or Darex® product lines) is recommended to provide suitable air void parameters for freeze-thaw resistance. Please consult your Grace representative for guidance.

Packaging & Handling

ZYLA® 625 water reducing admixture is available in bulk, delivered by metered tank trucks, in 275 gal (1,040 L) totes, and in 55 gal (210 L) drums. It will freeze at about 28°F (-2°C), but will be completely uniform after thawing and thorough agitation.

Dispensing Equipment

A complete line of accurate, automatic dispensing equipment is available. ZYLA® 625 product may be introduced to the mix through the water holding tank discharge line. The ZYLA product line is formulated to be free of sediment.

Specifications

Concrete shall be designed in accordance with *Standard Recommended Practice for Selecting Proportions for Concrete*, ACI 211.

The water-reducing admixture shall be ZYLA® 625, as manufactured by Grace Construction Products, or equal. The admixture shall not contain calcium chloride as a functional ingredient. ZYLA 625 admixture will not promote corrosion of reinforcing steel embedded in concrete. It shall be used in strict accordance with the manufacturers' recommendations. The admixture shall comply with ASTM Designation C494, Type A and D water-reducing admixtures. Certification of compliance shall be made available on request.

The admixture shall be delivered as a ready-to-use liquid product and shall require no mixing at the batching plant or job site.

www.graceconstruction.com

North American Customer Service: 1-877-4AD-MIX1 (1-877-423-6491)

ZYLA, Daracem, Daravair and Darex are trademarks, registered in the United States and/or other countries, of W. R. Grace & Co.-Conn. This trademark list has been compiled using available published information as of the publication date of this brochure and may not accurately reflect current trademark ownership or status. Grace Construction Products is a business segment of W. R. Grace & Co.-Conn.

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This product may be covered by patents or patents pending.
ZYLA-625 Printed in U.S.A. 03/15 GCS/PDF

GRACE



SDVOSB . DVBE

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Job Name: Robertson's Ready Mix
 Sample I.D.: WCS
 Job Number: 170003L Source: Palmdale
 Date: July 7, 2017 Tested By: DRB

ASTM C136 Sieve Analysis of Fine and Coarse Aggregate

C33 Specification			
Metric	Stand.	% Pass	% Pass
9.5 _{mm}	3/8"	100	100
4.75 _{mm}	# 4	96	95-100
2.36 _{mm}	# 8	81	80-100
1.18 _{mm}	# 16	59	50-85
600 _{um}	# 30	39	25-60
300 _{um}	# 50	19	5-30
150 _{um}	# 100	5	0-10
75 _{um}	# 200	0.4	-
Fineness Modulus		3.1	2.3-3.1

ASTM C88 Soundness of Aggregates-Sodium Sulfate

Sieve Size	Individual % Retained	Individual % Loss	% Loss By Weight
#8	15	3.4	0.5
#16	20	5.7	1.1
#30	20	6.6	1.3
#50	14	8.3	1.2
Total % Loss by Weight (C33 Spec. 10% Max)			4.1

ASTM C289 Potential-Alkali Silica Reactivity

Alkaline Reactivity mmol/L	Dissolved Silica mmol/L
65	24

*This aggregate is considered innocuous

ASTM	TEST	RESULT	C33 Specification
C40	Oganic Impurities	1	3 Maximum
D2419	Sand Equivalent	83	-
C123	Lightweight Particles	0.0%	1% Maximum
C142	Clay Lumps & Friable Particles	0.4%	1% Maximum

Respectfully Submitted,
 SCST, Inc.

Scott H. Vacula, PE C72600
 Senior Materials Engineer



CHJ Consultants

A Terracon COMPANY

January 12, 2017

Revised July 11, 2017

Trinity Industries, Inc.
11728 Highway 93
Boulder, Colorado 80303
Attention: Mr. Charles Kerzic

Job No. 16001-5

Subject: ASTM C330 Compliance Testing
Frazier Park Structural Lightweight Aggregate (Hydrolite)

Dear Mr. Kerzic:

At your request, CHJ Consultants performed tests on the Trinity Industries Structural Lightweight Aggregate (Hydrolite) to verify conformance with ASTM Designation C330-14 "Standard Specification for Lightweight Aggregates for Structural Concrete". The Trinity Industries Structural Lightweight Aggregate is an expanded clay aggregate produced at the Trinity Industries plant in Frazier Park. The results are as follows.

A. DELETERIOUS SUBSTANCES:

Test	Test Method	Test Result	C330 Requirement
Organic Impurities	C40	Lighter than Standard	Lighter Than Standard
Staining	C641	Stain Index of 20	Stain Index of Less Than 60
Loss on Ignition	C114	0.97 Percent	Less than 5 Percent





Client: Trinity Industries
 Material: Structural Lightweight Aggregate (Hydrolite)

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 Job No. 16001-5

B. PHYSICAL TESTS:

Test	Test Method	Test Result	C330 Requirement
Clay Lumps and Friable Particles	C142	0.1 Percent	Less than 2 Percent
Bulk Density Dry Loose Condition	C29	49.1 pcf	55 pcf Maximum
Bulk Density Saturated Loose Condition	C29	57.1 pcf	No Requirement
Specific Gravity	C127	1.74	No Requirement
Absorption	C127	24.0	No Requirement

GRADING - SIEVE ANALYSIS (Test Method C136) Coarse Aggregate: 3/8-Inch to No. 8		
Sieve Size	Percent Passing	C330 Requirement
1/2" (12.5 mm)	100	100
3/8" (9.5 mm)	82	80-100
No. 4 (4.75 mm)	16	5-40
No. 8 (2.36 mm)	2	0-20
No. 16 (1.18 mm)	1	0-10



Client: Trinity Industries
 Material: Structural Lightweight Aggregate (Hydrolite)

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 Job No. 16001-5

C. TESTS ON CONCRETE MADE WITH LIGHTWEIGHT AGGREGATE:
 Concrete Mixture – 3/8" Lightweight Aggregate

Material	Weight (lbs.)	Specific Gravity	Absolute Volume
Cement - Type II	564	3.15	2.87
Water	300	1.00	4.81
Natural Sand	1,482	2.63	8.93
Trinity Frazier Park	942	1.74	8.57
Admixtures:			
Water Reducing (fl. oz.)	22.6		
Air Entraining (fl. oz.)	0.8		
Slump (inches)	4.50		
Air Content (%)	6.75		1.82
Plastic Unit Weight (pcf)	120.6		

Test	Test Method	28-Day Test Result (psi)	C330 Requirement
Compressive Strength	C39	4,280	3,000 psi Minimum
		4,110	
		<u>4,410</u>	
		4,270	
Average			
Splitting Tensile	C496	500	310 psi Minimum
		490	
		470	
		495	
		395	
		460	
		450	
		<u>435</u>	
		460	
		Average	



Client: Trinity Industries
 Material: Structural Lightweight Aggregate (Hydrolite)

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 Job No. 16001-5

TESTS ON CONCRETE MADE WITH LIGHTWEIGHT AGGREGATE (Cont'd):
 Concrete Mixture – 3/8" Lightweight Aggregate

Test	Test Method	Test Result	C 330 Requirement
Oven Dry Density	C567-14 (Measured)	106.8 106.3 <u>106.4</u> 106.5	No Requirement
Average			
Calculated Approximate Equilibrium Density	C567-14 (Calculated per Section 9.2)	109.5 pcf	110.0 pcf Maximum
Equilibrium Density		111.8 111.5 <u>112.1</u> 111.8	No Requirement
Average	C567-14 (Air dried per Section 8.2)		
Drying Shrinkage	C330 (Section 8.4)	0.054%	0.070% (Max)
Popout Test	C151	No Popouts	No Popouts

D. **CONFORMANCE:**

The Trinity Structural Lightweight Aggregate (Hydrolite) manufactured by Trinity Industries, Inc. at Frazier Park, California, conforms to the requirements of ASTM Designation: C330-14 "Standard Specification for Lightweight Aggregates for Structural Concrete" for the tests indicated.



Client: Trinity Industries
Material: Structural Lightweight Aggregate (Hydrolite)

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Job No. 16001-5

Thank you for the opportunity to provide materials testing services. If you should have any questions regarding this information, please do not hesitate to contact this firm at your convenience.

Respectfully submitted,
CHJ CONSULTANTS,
A TERRACON COMPANY

George Battey III
Senior Consulting Engineer



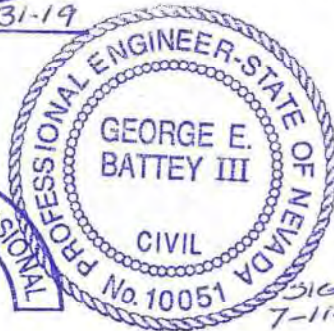
SIGNED
7-11-17

California Registered Civil Engineer No. 34323
Registration Expires 09-30-2017



Expires 12-31-19

Arizona Registered Professional
(Civil) Engineer No. 29666
Registration Expires 12-31-2018



SIGNED
7-11-17

Nevada Professional Engineer No. 10051
Registration Expires 12-31-2018



SIGNED
7-11-17

Oregon Professional Engineer No. 16120
Registration Expires 12-31-2017

EXPIRES: 12-31-17

Distribution: Trinity Industries (4)
Charles Kerzic - email (charles.kerzic@trin.net)
Nick Barrett - email (nick.barrett@trin.net)



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM
PCI031

TITLE: DWP New Electrical Service Pole

DATE: 05/06/2019

PROJECT: Magnolia Science Academy

PROJECT NO.: 18049

TO:
Magnolia Educational and Research Foundation
250 E. 1st St., 1500
Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment required to install the added LADWP electrical pole not previously included in our scope. Reference E2.1 for site plan.

DWP has advised that the Owner needs to install a new pole to feed the new electrical equipment (LADWP page 7-28 Design & Installation Guide for Overhead Services, 0-600 volts sheet)

This PCI excludes any items not identified above including additional move-ins, engineering, testing and permits. It excludes any schedule associated impacts, general conditions, future changes caused by City review or inspections.

Vendor	Description	Amount
Safeway Bldg. Systems Inc. dba Safeway Electric	Electrical: DWP Electrical Service Pole	5,453.00
	SUBTOTAL:	5,453.00
	Bond	45.00
	Gross Tax	8.00
	GL	53.00
	SDI	69.00
	Fee	279.00
	SUBTOTAL:	454.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		5,907.00

APPROVAL:
Oltmans Construction Co.

BY: Trevor Lawton
DATE:

APPROVAL:
Magnolia Educational and Research

BY:
DATE:

Elizabeth Lara

From: Elizabeth Lara
Sent: Tuesday, April 2, 2019 3:14 PM
To: 'cbedoy@safewaybsi.com'
Cc: Trevor Lawton; Jeff Rich; 'projectsupport@safewaybsi.com'
Subject: MSA - DWP Electrical Service Pole RFP
Attachments: New Electrical Service Pole Required Per DWP.pdf

Categories: Archived

Hello Carlos,

DWP has advised that the Owner needs to install a new pole to feed the new electrical. Your Foreman was present when Jeff met with DWP and they told us location and gave us the attached pole requirement. Please price the new pole and send us a COR referencing DWP Electrical Pole. If there is a lead time, please let us know.

Thank you,
Elizabeth F. Lara
Sr. Project Engineer

Oltmans Construction Co.
T 562.948.4411, Ext. 3432

-----Original Message-----

From: Trevor Lawton <TrevorL@oltmans.com>
Sent: Thursday, March 21, 2019 3:29 PM
To: Jeff Rich <JeffR@oltmans.com>; Elizabeth Lara <ElizabethL@oltmans.com>
Subject: RE:

So we need to have Safeway price installing a pole? Isn't there a pole already there that we can come down... seems redundant but whatever.

Trevor Lawton, CESSWI, QSP
Project Manager

Oltmans Construction Co.
T 562.948.4242, Ext. 3459
C 916.276.7666

-----Original Message-----

From: Jeff Rich <JeffR@oltmans.com>
Sent: Thursday, March 21, 2019 10:28 AM
To: Elizabeth Lara <ElizabethL@oltmans.com>
Cc: Trevor Lawton <TrevorL@oltmans.com>
Subject: FW:

This was the paperwork given to me from Tom with DWP. Tom is the electrical side. We need to install a new power pole to feed the new electrical equipment.

Jeff Rich
Superintendent
Oltmans Construction Co.
C 562.217.5741
jeffr@oltmans.com

-----Original Message-----

From: OltmansConstruction@oltmans.com <OltmansConstruction@oltmans.com>
Sent: Thursday, March 21, 2019 7:27 AM
To: Jeff Rich <JeffR@oltmans.com>
Subject:

This E-mail was sent from "OCCO-Reseda" (Aficio MP C2800).

Scan Date: 03.21.2019 10:26:39 (-0400)
Queries to: OltmansConstruction@oltmans.com



"Building a Safe & Secure Southern California"

Request For Change Order

To: Oltmans Construction Co
10005 Mission Mill Road
Whittier, CA 90601

Project: Oltmans Magnolia Science Cnt

RFC No: 18

Date: 4/23/2019

Description: SCOPE:

Electrical Construction: This Change Order Request is for the Added SOW for the Installation of the New DWP Electrical Pole.

INCLUDES:

This proposal includes all materials, tax, equipment, and labor as needed to provide a complete and operable system for work as described herein.

EXCLUDES:

Overtime

Shift work

Permits & Fees

Inclusions and Exclusions of the Original Executed Contract will apply to this cost estimate

Anything not expressly included above



“Building a Safe & Secure Southern California”

Request For Change Order

To: Oltmans Construction Co
10005 Mission Mill Road
Whittier, CA 90601

Project: Oltmans Magnolia Science Cnt

The above work is subject to the same conditions as specified in the original contract unless otherwise stipulated.

Upon approval the sum of \$5,453.00 will be added to the contract price.

Original Contract	\$473,950.00
Other Approved Change Orders	\$10,847.53
Total Contract to Date	\$484,797.53
This Request	\$5,453.00
Other Pending Requests	\$65,072.76
Total Contract plus Pending RFCs	\$555,323.29

Authorized Signature: _____ Date: _____
Safeway Building Systems, Inc

Authorized Signature: _____ Date: _____
Oltmans Construction Co

1474 Miller Drive | Colton, CA 92324
Phone (909) 824-6441
Fax (909) 824-0571

www.safewaybsi.com

Lic # B/C-10 387886
Lic # C-46, C-7
ACO# 3998



Since 1980

"Building a Safe & Secure Southern California"

Change Order Request Form

Customer Oltmans Construction

Project: Magnolia Science Academy

Job Number: E129718

Date: 4/29/19 COR 18

This COR is for the procurement and installation of (1) DWP Electrical Pole, as requested by the Owner.

Labor Costs

Position	Hours Worked	Hourly Rate	OT Hours	OT Rate	Total Cost
Journeyman	26	\$ 85.00		\$ 127.50	\$ 2,210.00
Foreman		\$ 95.00		\$ 142.50	\$ -
Superintendent		\$ 105.00		\$ 157.50	\$ -
Mark Up 10%					\$ 221.00
Total Labor Costs					\$ 2,431.00

Material Costs

See Material Breakout Report Attached	\$ 2,543.72
Subtotal	\$ 2,543.72
Sales Tax 8%	\$ 203.50
Mark Up 10%	\$ 274.72
Total	\$ 3,021.94

Equipment Costs

Description	Day	Rate	Total
		\$ -	\$ -
Mark-Up 10%			\$ -
Total Equipment Costs			\$ -

Subcontractors

	\$ -
	\$ -
	\$ -
Subcontractor Costs	\$ -
Mark-up @ 10%	\$ -
Total Subcontractor Costs	\$ -

Total Daily Change Order Due \$ 5,452.94

ESTIMATE 1 1284:

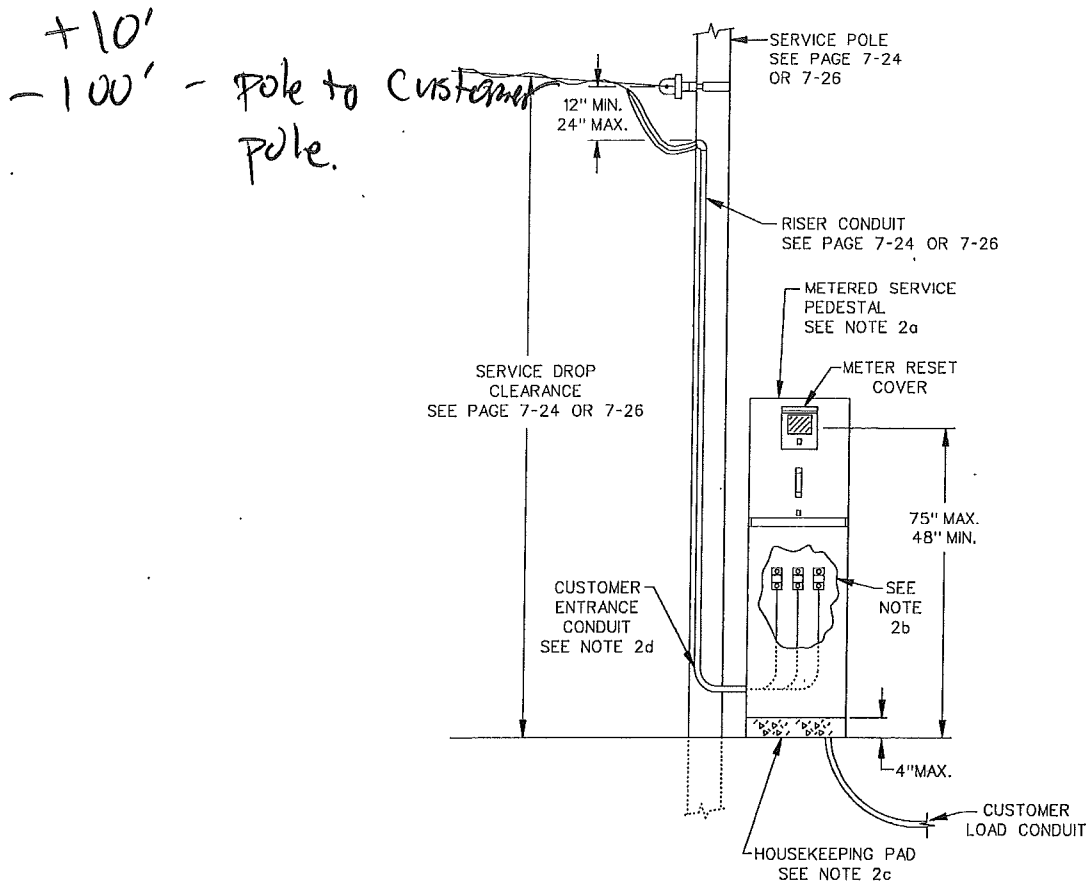
MATERIAL Primary

DATA SET 11 CommTSC/EST/NECA 07/14...

LABOR Primary

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
	20' POLE AND DELIVERY	1.00	EACH	900.00	2.0000
	MISC	1.00	LOT	100.00	2.0000
	AUGER INSTALL	1.00	EACH	750.00	8.0000
(LABOR ITEM)	16' TO 20' POLE	1.00	EACH	0.00	2.8000
2 1/2"	PVC SCH 40	50.00	FEET	54.00	4.5000
2 1/2"	PVC SCH 40 90 ELBOW	2.00	EACH	6.20	0.4000
2 1/2"	PVC COUPLING	4.00	EACH	2.88	0.6000
2 1/2"	WEATHERHEAD	1.00	EACH	184.60	0.9000
2 1/2"	GRC 2 HOLE STRAP	6.00	EACH	4.86	0.3000
1.	THHN STR CU	50.00	FEET	64.00	0.5500
3/0	THHN STR CU	198.00	FEET	477.18	3.9600
Grand Totals				2,543.72	26.0100

**CUSTOMER-OWNED PERMANENT/TEMPORARY SERVICE POLE WITH PEDESTAL
 200 AMPERES MAXIMUM, 0-600 VOLTS**


1. For wood or metal customer-owned service pole details, see pages 7-24 to 7-27.
2. For metered service pedestal in used conjunction with customer-owned service poles:
 - a. A commercial service and meter pedestal is required for all applications. The total service capacity is limited to 200 amperes. For dual-socket pedestal designs, the ampacity of each service disconnect (meter switch) shall not exceed 100 amperes.
 - b. A permanent sign shall be provided on the service entrance pull box cover reading:
 "Wires in this Pull Box are the Responsibility of the Customer to Provide and Maintain"
 - c. The pedestal shall be mounted on a substantial concrete foundation.
 - d. Service entrance conduit riser and conductors shall enter the side of the pedestal's incoming pull box, be continuous and free of junction boxes and condulets.
3. Additional references:
 - a. For safety-socket meter panel details, see pages 2-24 and 2-26.
 - b. For commercial service and meter pedestals, see page 2-44, 2-45 and 2-46.
 - c. Engineering offices and telephone numbers, see page 1-4.

**CUSTOMER-OWNED PERMANENT/TEMPORARY WOOD SERVICE POLE
200 AMPERES MAXIMUM, 0-600 VOLTS**

NOTES:

- The pole shall be a new, self-supporting, fully-treated round pole with a minimum length of 25 feet and a minimum diameter at the top of 5 inches.

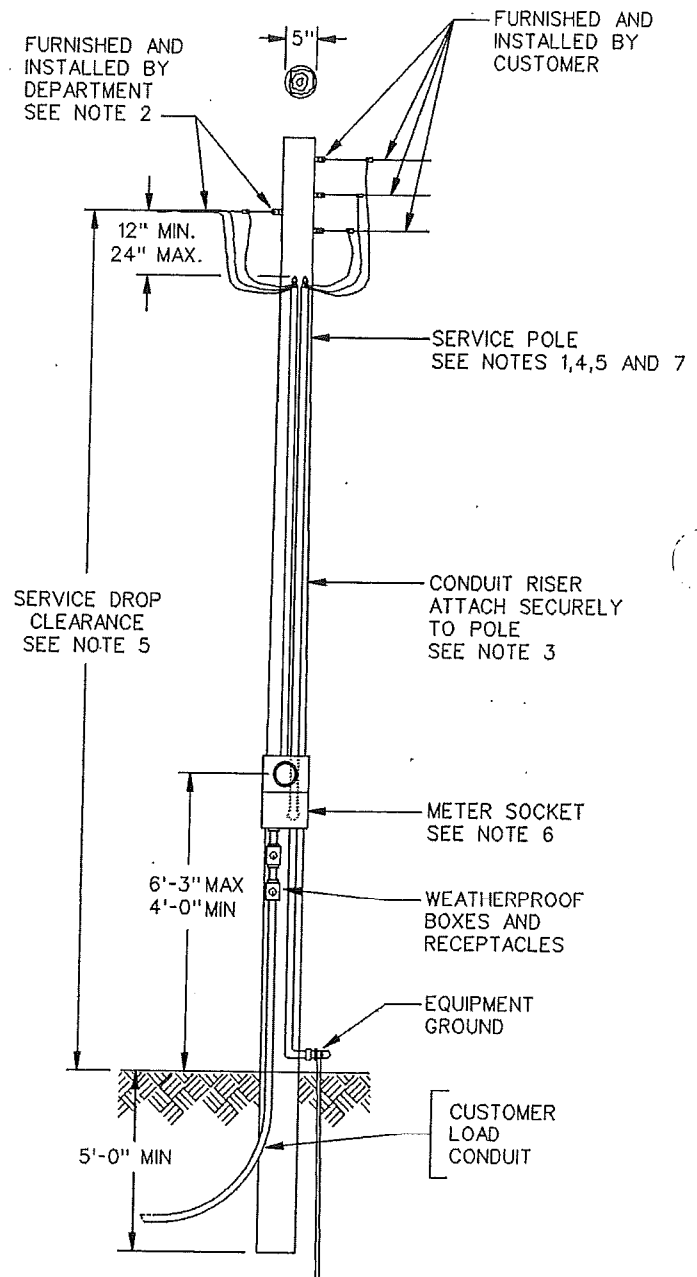
Note: Used poles are not acceptable.

- Service drop conductors, service drop attachment bracket and the meter shall be furnished and installed by the Department - all other equipment shall be furnished and installed by the contractor.
- Risers shall be 3/4-inch minimum polyvinyl Chloride (PVC) schedule 40 or metallic conduit and shall be securely attached to the pole.
- Floodlights, signs, ropes, and other similar equipment shall not be attached to the pole.
- The pole shall be located:
 - At least 10 feet from the Department service pole and, whenever practicable, at least 10 feet laterally from the center of the pole line but not more than 150 feet from the Department's servicing pole.
 - So that the ground clearance, buildings and other obstructions shall not reduce the service drop height below the required minimum clearances specified on pages 7-4 to 7-9.

Note: Consult with the area service planning office to determine the location of the attachment bracket on the pole required to meet the specified clearances.

- For permanent service applications, a safety-socket meter panel is required for all commercial services. For temporary service applications, a residential meter socket may be used for a 125-ampere, single-phase service - a safety-socket meter panel is required for all others.

Note: The service equipment short-circuit duty rating must meet or exceed the Department's fault current value for the installation.

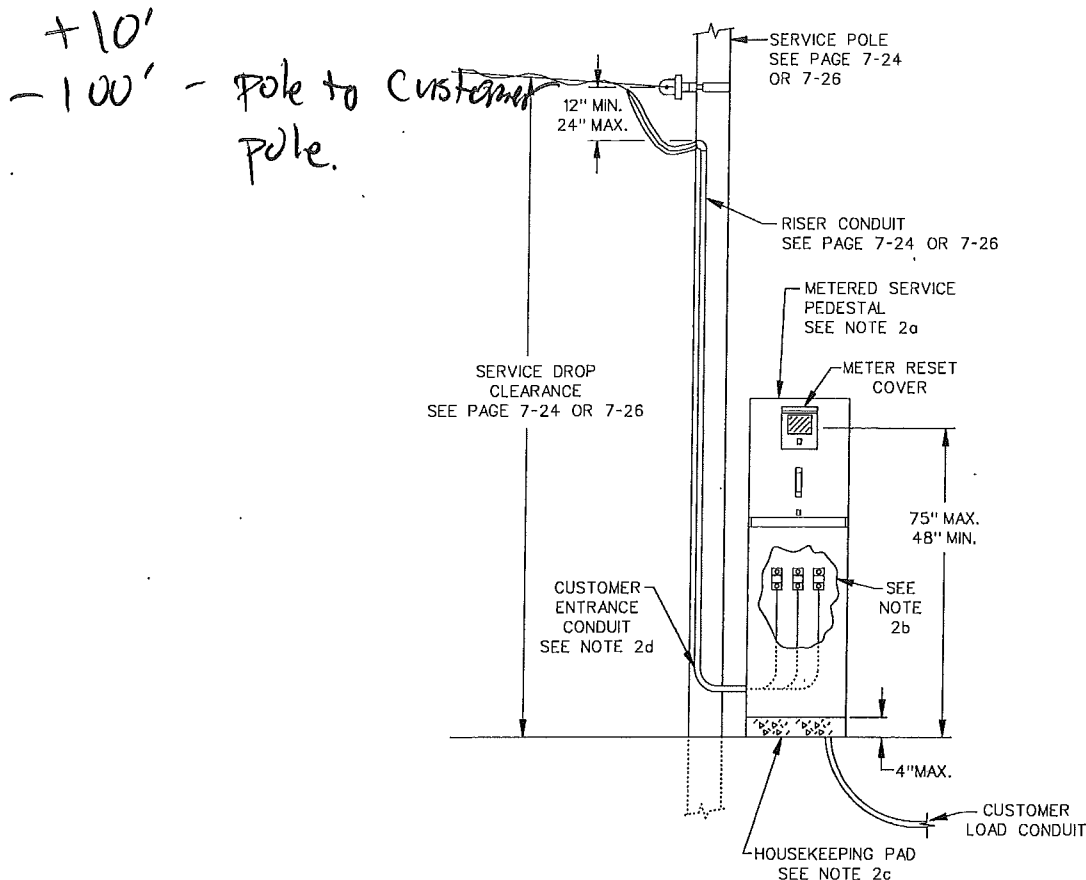


CUSTOMER-OWNED PERMANENT/TEMPORARY METAL SERVICE POLE (Cont.)

2. Attachments to metal poles shall be made with devices that will not affect the strength or integrity of the pole (see attachment detail). Drilling or welding are not acceptable.
3. The Department will furnish the attachment bracket and furnish and install the service drop conductors and meter. The customer shall install the attachment bracket and shall furnish and install the pole and all other equipment.
4. Riser conduits shall be 3/4-inch minimum polyvinyl Chloride (PVC) schedule 40 or metallic conduit. Metallic riser conduits are not required to be covered as long as the metal pole is effectively grounded and the metallic conduits are bonded to the pole. If a protective covering is required, consult the Department.
5. Floodlights, signs, ropes, and other similar equipment shall not be attached to the pole.
6. The pole shall be located:
 - a. At least 10 feet from the Department service pole and, whenever practicable, at least 10 feet laterally from the center of the pole line but not more than 150 feet from the Department's servicing pole.
 - b. So that the ground clearance, buildings and other obstructions shall not reduce the service drop height below the required minimum clearances specified on pages 7-4 to 7-9.

Note: Consult with the area service planning office to determine the location of the attachment bracket on the pole required to meet the specified clearances.
7. For permanent service applications, a safety-socket meter panel is required for all commercial services. For temporary service applications, a residential meter socket may be used for a 125-ampere, single-phase service - a safety-socket meter panel is required for all others.

Note: The service equipment short-circuit duty rating must meet or exceed the Department's fault current value for the installation.
8. The numeric portion of the street address shall be provided on the pole on the side facing the street or drivable surface. Plastic or metallic numbers of the type used for house addresses are acceptable.
9. Additional references:
 - a. For safety-socket meter panel details, see pages 2-24 and 2-26.
 - b. Engineering offices and telephone numbers, see page 1-4.

**CUSTOMER-OWNED PERMANENT/TEMPORARY SERVICE POLE WITH PEDESTAL
 200 AMPERES MAXIMUM, 0-600 VOLTS**


1. For wood or metal customer-owned service pole details, see pages 7-24 to 7-27.
2. For metered service pedestal in used conjunction with customer-owned service poles:
 - a. A commercial service and meter pedestal is required for all applications. The total service capacity is limited to 200 amperes. For dual-socket pedestal designs, the ampacity of each service disconnect (meter switch) shall not exceed 100 amperes.
 - b. A permanent sign shall be provided on the service entrance pull box cover reading:
"Wires in this Pull Box are the Responsibility of the Customer to Provide and Maintain"
 - c. The pedestal shall be mounted on a substantial concrete foundation.
 - d. Service entrance conduit riser and conductors shall enter the side of the pedestal's incoming pull box, be continuous and free of junction boxes and condulets.
3. Additional references:
 - a. For safety-socket meter panel details, see pages 2-24 and 2-26.
 - b. For commercial service and meter pedestals, see page 2-44, 2-45 and 2-46.
 - c. Engineering offices and telephone numbers, see page 1-4.

**CUSTOMER-OWNED PERMANENT/TEMPORARY WOOD SERVICE POLE
200 AMPERES MAXIMUM, 0-600 VOLTS**

NOTES:

- The pole shall be a new, self-supporting, fully-treated round pole with a minimum length of 25 feet and a minimum diameter at the top of 5 inches.

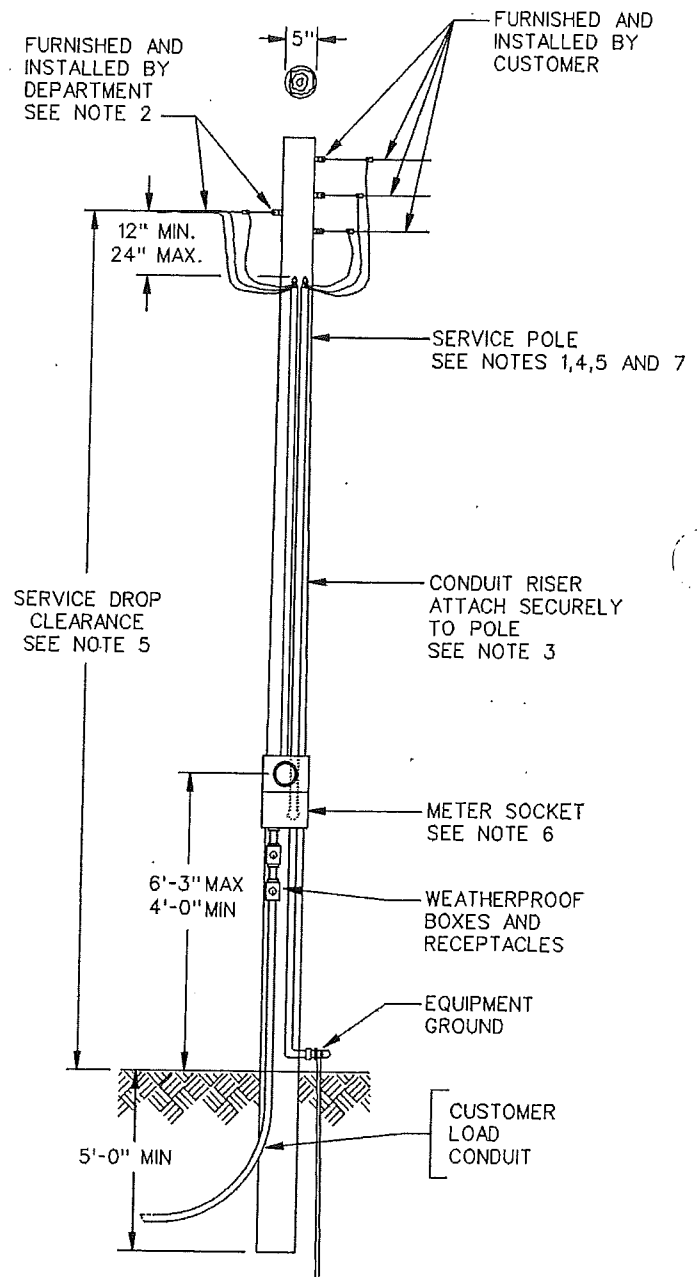
Note: Used poles are not acceptable.

- Service drop conductors, service drop attachment bracket and the meter shall be furnished and installed by the Department - all other equipment shall be furnished and installed by the contractor.
- Risers shall be 3/4-inch minimum polyvinyl Chloride (PVC) schedule 40 or metallic conduit and shall be securely attached to the pole.
- Floodlights, signs, ropes, and other similar equipment shall not be attached to the pole.
- The pole shall be located:
 - At least 10 feet from the Department service pole and, whenever practicable, at least 10 feet laterally from the center of the pole line but not more than 150 feet from the Department's servicing pole.
 - So that the ground clearance, buildings and other obstructions shall not reduce the service drop height below the required minimum clearances specified on pages 7-4 to 7-9.

Note: Consult with the area service planning office to determine the location of the attachment bracket on the pole required to meet the specified clearances.

- For permanent service applications, a safety-socket meter panel is required for all commercial services. For temporary service applications, a residential meter socket may be used for a 125-ampere, single-phase service - a safety-socket meter panel is required for all others.

Note: The service equipment short-circuit duty rating must meet or exceed the Department's fault current value for the installation.



CUSTOMER-OWNED PERMANENT/TEMPORARY METAL SERVICE POLE (Cont.)

2. Attachments to metal poles shall be made with devices that will not affect the strength or integrity of the pole (see attachment detail). Drilling or welding are not acceptable.
3. The Department will furnish the attachment bracket and furnish and install the service drop conductors and meter. The customer shall install the attachment bracket and shall furnish and install the pole and all other equipment.
4. Riser conduits shall be 3/4-inch minimum polyvinyl Chloride (PVC) schedule 40 or metallic conduit. Metallic riser conduits are not required to be covered as long as the metal pole is effectively grounded and the metallic conduits are bonded to the pole. If a protective covering is required, consult the Department.
5. Floodlights, signs, ropes, and other similar equipment shall not be attached to the pole.
6. The pole shall be located:
 - a. At least 10 feet from the Department service pole and, whenever practicable, at least 10 feet laterally from the center of the pole line but not more than 150 feet from the Department's servicing pole.
 - b. So that the ground clearance, buildings and other obstructions shall not reduce the service drop height below the required minimum clearances specified on pages 7-4 to 7-9.

Note: Consult with the area service planning office to determine the location of the attachment bracket on the pole required to meet the specified clearances.
7. For permanent service applications, a safety-socket meter panel is required for all commercial services. For temporary service applications, a residential meter socket may be used for a 125-ampere, single-phase service - a safety-socket meter panel is required for all others.

Note: The service equipment short-circuit duty rating must meet or exceed the Department's fault current value for the installation.
8. The numeric portion of the street address shall be provided on the pole on the side facing the street or drivable surface. Plastic or metallic numbers of the type used for house addresses are acceptable.
9. Additional references:
 - a. For safety-socket meter panel details, see pages 2-24 and 2-26.
 - b. Engineering offices and telephone numbers, see page 1-4.



CONSTRUCTION CO.

10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM

PCI032

TITLE: Bulletin 4 & 5 Adds **DATE:** 05/06/2019

PROJECT: Magnolia Science Academy **PROJECT NO.:** 18049

TO:**Magnolia Educational and Research Foundation**

250 E. 1st St., 1500

Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment as required per changes issued on Bulletin 4 & 5 and additional RFI's/Sketches including: RFI #50, 52, #78, #147.

- _Roofing Consultant: Additional Meetings & Additional Review due to changes in sketches/bulletin 4&5. \$1,000
- _OCCO Concrete (COR#5): Added concrete curb 1/A3.1 and change in curb design at drains A6.9 bulletin 4&5. \$3,557
- _Flashing changes (COR#5R1): dormer vents A6.8/2, added corrugated panels A6.9/3 installed by others, added trims for panels.\$8,035
- _Roofing (COR#6) adhering underlayment beneath the coping cap at the PE deck (300') \$2,507
- _Credit: Flashing(COR 3) deduct coping (24 GA) at CMU top due to RFI 052 (\$1,427)
- _Plumbing (COR #6) delta 3 addeddeck drain at RR #302, drain piping above room #214, #211. \$5,011
- _Electrical (COR #9) Add 5 wall mounted fixtures at south end of bldg, credit for trenching & wiring for omitted light poles (but light poles & heads are already onsite= no credit)per RFI #78. \$8,805
- _Fire Extinguisher model change from base bid during submittal. \$321
- _Credit: Doors & Frames Credit for concealed overhead stops at openings of room #124, #221 per RFI #147. (\$102)

This PCI excludes any items not specifically identified above including additional move-ins, engineering, testing and permits. It excludes any schedule associated impacts, general conditions, future changes caused by City review or inspections.

Vendor	Description	Amount
Architectural Testing, Inc.	Roofing Consultant: Additional Meetings & Additional Review	1,000.00
Armstrong & Aceves Company, Inc.	Roofing: COR 6 Underlayment @ PE Deck	2,507.00
Armstrong & Aceves Company, Inc.	Flashing & Sheet Metal: COR 3 Deduct 34GA Coping at CMU Wall	-1,427.00
Armstrong & Aceves Company, Inc.	Flashing& Sheet Metal: COR 5R1 Vents & Fasteners	8,035.00
GLOBAL SPECIALTIES DIRECT INC	Fire Extinguishers and Cabinets	321.00
Oltmans Concrete	Concrete: COR #005	3,557.00
P.V. & C. PLUMBING	Plumbing: COR 6 Added deck Drains	5,011.00
STAR HARDWARE, INC.	Metal Doors and Frames: RFI #147 Concealed OH Stop	-104.00
Safeway Bldg. Systems Inc. dba Safeway Electric	Electrical: COR 9 - RFI #78	8,805.00
	SUBTOTAL:	27,705.00
	Bond	227.00
	Gross Tax	36.00
	GL	269.00
	SDI	347.00
	Fee	1,417.00
	SUBTOTAL:	2,296.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		30,001.00



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM

PCI032

APPROVAL:
Oltmans Construction Co.

BY: Trevor Lawton
DATE:

APPROVAL:
Magnolia Educational and Research

BY:
DATE:

Franco Architects Inc.



Change Bulletin No.4 and No. 5

PROJECT: Magnolia Science Academy

DATE: January 15, 2019

ACTION TO BE TAKEN:

1. ___ Proceed. This bulletin is intended to be a clarification or interpretation of the contract documents only. Failure to notify the Owner to the contrary in writing within ten days to the date hereof or before starting of the work, whichever comes first, shall constitute acceptance of this bulletin as involving no changes in the contract sum or contract time.
2. x Submit estimate only broken down by item. You are not authorized to proceed with the work described herein. Estimates shall be submitted within 10 calendar days.
3. ___ Proceed. Work shall be done on:
 - ___ Time and materials basis, price not to exceed _____.
 - ___ Unit price (per contract)
 - ___ Other

WORK DESCRIPTION:

The drawings have been revised to incorporate the following changes:

Bulletin

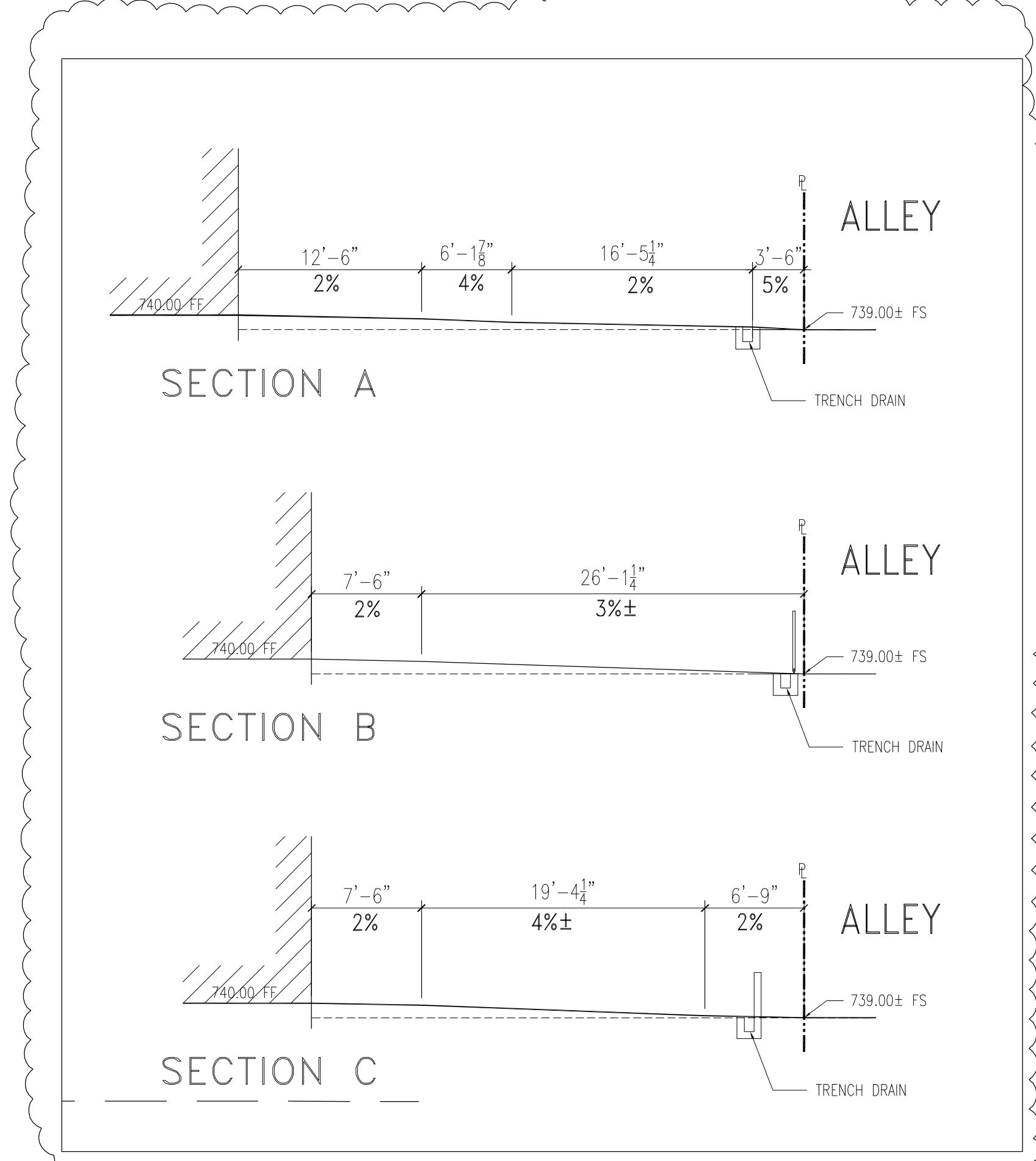
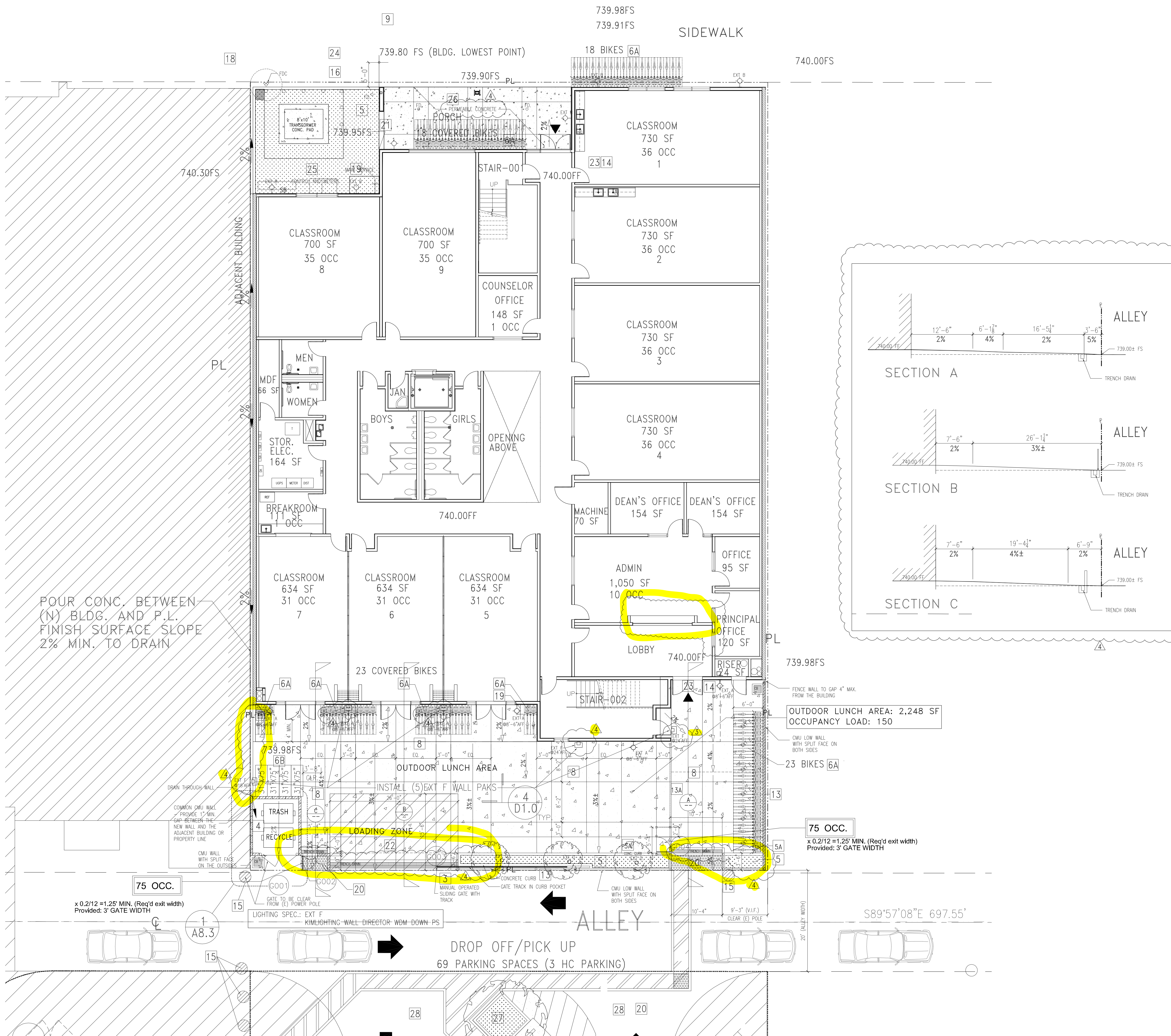
ITEM NO.	Delta No. ↓	DESCRIPTION	DET./SHEET NUMBER
1	2	Delta 1R is Bulletin 2	Coordination Bulletin 2
2	3	Delta 2 is Bulletin 3	Stand Pipe RTI
3	4	Site Plan Revision Incorporate SK-001R Incorporate SK-023 Incorporate SK-024	A0.5A
4	4	1 st Floor Plan Revision Incorporate SK-015 Incorporate SK-015R	A1.1

5	4 & 5	Roof Deck Revision Parapet Bracing Final SK-035 SK-027 Superseded SK-033 Superseded	A3.1
6	4	Stair 2 Revision Plan Coordination Incorporate SK-021	A4.0
7	4	Plan Coordination Decorative metal frame Incorporate SK-013	A4.1
8	4	Tilt Up Wall Detail Incorporate SK-004 Incorporate SSK-003	A5.1
9	4	Stair 2 Ground Floor Incorporate SK-003RR Incorporate SK-028.2	A6.0
10	4	Low Wall Detail Incorporate SK-034	A6.2
11	4	Parapet Detail Incorporate SK-033	A6.8
12	5	Roof Deck Details	A6.9
13	4	Miscellaneous Structural Details Incorporate SSK-005	S9.0
14	4	Miscellaneous Structural Details	S9.1

SHERMAN WAY

CURB & GUTTER

PARKING STALLS



- ### SITE KEY NOTES
- HC STRIPING, SEE SHEET A0.2 FIG. 11B-502.2, "NO PARKING" SIGN PAINTED IN 12" MIN. PER 11B-812.7.3
 - CONCRETE WHEEL STOP TYP. SEE DETAIL 101.0
 - NEW 8'-0" HT. 26'-0" WIDE W.L. SLIDING GATE, SEE DOOR SCHEDULE
 - TRASH/RECYCLING ENCLOSURE W/ 6' HT CMU WALL, SEE A8.3
 - LANDSCAPE AREA. SEE LANDSCAPE PLANS
 - 6" HT. CONC. CURB AT PLANTER
 - PROVIDED 82 - SHORT TERM BIKE PARKING SPEC. PER CITY OF LOS ANGELES (SEE A0.6) (41 COVERED)
STANDARD PLAN NO. S-671-0
EACH BICYCLE PARKING SPACE SHOULD BE MIN. 6' IN LENGTH
SEE SPEC. ON SHEET A0.6
FINISH: GALVANIZED
 - PROVIDED 4 - LONG-TERM BICYCLE PARKING SPACES (SEE A.6)
LOCKABLE, PERMANENTLY ANCHORED BIKE LOCKER FOR 2 BIKES
SPECS: MADRAX OR EQUAL
MODEL: MLN-2 BIKE LOCKER
COLOR: T.B.D.
 - DESIGNATED PARKING FOR ANY COMBINATION OF LOW-EMITTING, FUEL-EFFICIENT & CARPOOL/VAN POOL VEHICLES. PAINT "CLEAN AIR/VANPOOL/EV" WORDS ON GROUND AS SHOWN ON PLAN. THE LOWER EDGE OF THE LAST WORD ALIGNS WITH THE END OF THE STALL STRIPING AND IS VISIBLE BENEATH A PARKED VEHICLE. PAINT COLOR TO MATCH STALL STRIPING.
PROVIDE 6 PARKING SPACES FOR ANY COMBINATION OF LOW-EMITTING, FUEL-EFFICIENT, AND CARPOOL/VAN POOL VEHICLES, PER TABLE 5.106.5.2
 - SURFACE MARKING "EV CHARGING ONLY". COMPLY WITH CBC 11B-812.9
 - EV IDENTIFICATION SIGNS, SIGN IDENTIFYING VAN ACCESSIBLE EV SPACE SHALL CONTAIN THE WORDS "VAN ACCESSIBLE" PER 11B-812.8
 - SCORED UNCOLORED CONCRETE PAVING WITH NON-SKID FINISH, SEE DETAIL 4/D1.0 CONCRETE MATERIAL WITH INITIAL SOLAR REFLECTANCE OF AT LEAST 0.30
 - REPAIR ALL BROKEN, OFF-GRADE OR BAD ORDER CONCRETE CURB, GUTTER AND EXISTING SIDEWALK ALONG THE PROPERTY FRONTAGE.
 - DOUBLE STRIPING OF STALLS SHALL BE PER FIG.7 OF THE CITY OF LA BLDG. DEPT. STANDARDS
 - 3' H. BOLLARD WITH POWER OUTLETS FOR ELECTRICAL CHARGING STATIONS
TWO DEDICATED 208/240V 40 AMP, GROUNDED AC OUTLETS SHALL BE PROVIDED. SEE ELECTRICAL PLAN. A SEPARATE ELEC. PLAN CHECK IS REQUIRED TO VERIFY THE RACEWAY METHODS, WIRING SCHEMATICS AND ELECTRICAL CALCULATIONS FOR THE ELECTRICAL CHARGING SYSTEM. THE ELECTRICAL SYSTEM SHALL HAVE SUFFICIENT CAPACITY TO SIMULTANEOUSLY CHARGE ALL ELECTRIC VEHICLES AT THEIR FULL RATED AMPERAGE.
THE SERVICE PANEL OR SUBPANELS SHALL HAVE SUFFICIENT CAPACITY TO ACCOMMODATE THE REQUIRED NUMBER OF DEDICATED 40 AMPERE MIN. BRANCH CIRCUITS FOR THE FUTURE INSTALLATION OF THE EVS (5.106.5.3). PROVIDE 4 EV SPACES, PER TABLE 5.106.5.3
 - PAINT LETTERS "VISITOR" ON GROUND.
 - 5' WROUGHT IRON FENCE ON TOP OF THE 3' MASONRY WALL W/PERFORATED PANEL, NO MORE THAN 50% OF THE FACE IS OPEN, SEE 9/A8.3
 - 8' WROUGHT IRON FENCE W/PERFORATED PANEL, NO MORE THAN 50% OF THE FACE IS OPEN
 - PROVIDE DOOR BUZZER AND COMMUNICATION DEVICE WITH CONDUIT TO MAIN ENTRANCE
 - EXISTING POWER POLE. V.I.F.
 - NEW PAD TRANSFORMER, SEE ELECTRICAL PLANS
 - CONC. CURB, SEE DETAIL 2/D1.0
 - FDC
 - INSTALL A HOSE BIB AT THIS LOCATION. REFER TO PLUMBING ENGINEERING PLANS FOR FURTHER INFO.
 - 3'-0" MIN. WIDE BAND OF DETECTABLE WARNING, W/TRUNCATED DOMES, DETAIL SEE 1/A0.2.5 OVER CONCRETE PAVING
 - LOW STUCCO WALL, SEE DETAIL 2/A6.5
 - 400 SF LOADING SPACE, 26'-0" X 15'-6"
 - ENTRANCE
 - STANDARD 31" H STEEL BOLLARD INSTALLED 60" O.C.
MFG: RELIANCE FOUNDRY CO. LTD.
MODEL: R7835. INSTALLED BY ANCHOR CASTING
COLOR: PAINT YELLOW
 - SWITCH BOARD, SEE ELECTRICAL PLAN
 - PERMEABLE CONCRETE, SEE CIVIL PLAN
 - TREE WELL WITH 6" CONC. CURB AROUND, SEE LANDSCAPE PLAN

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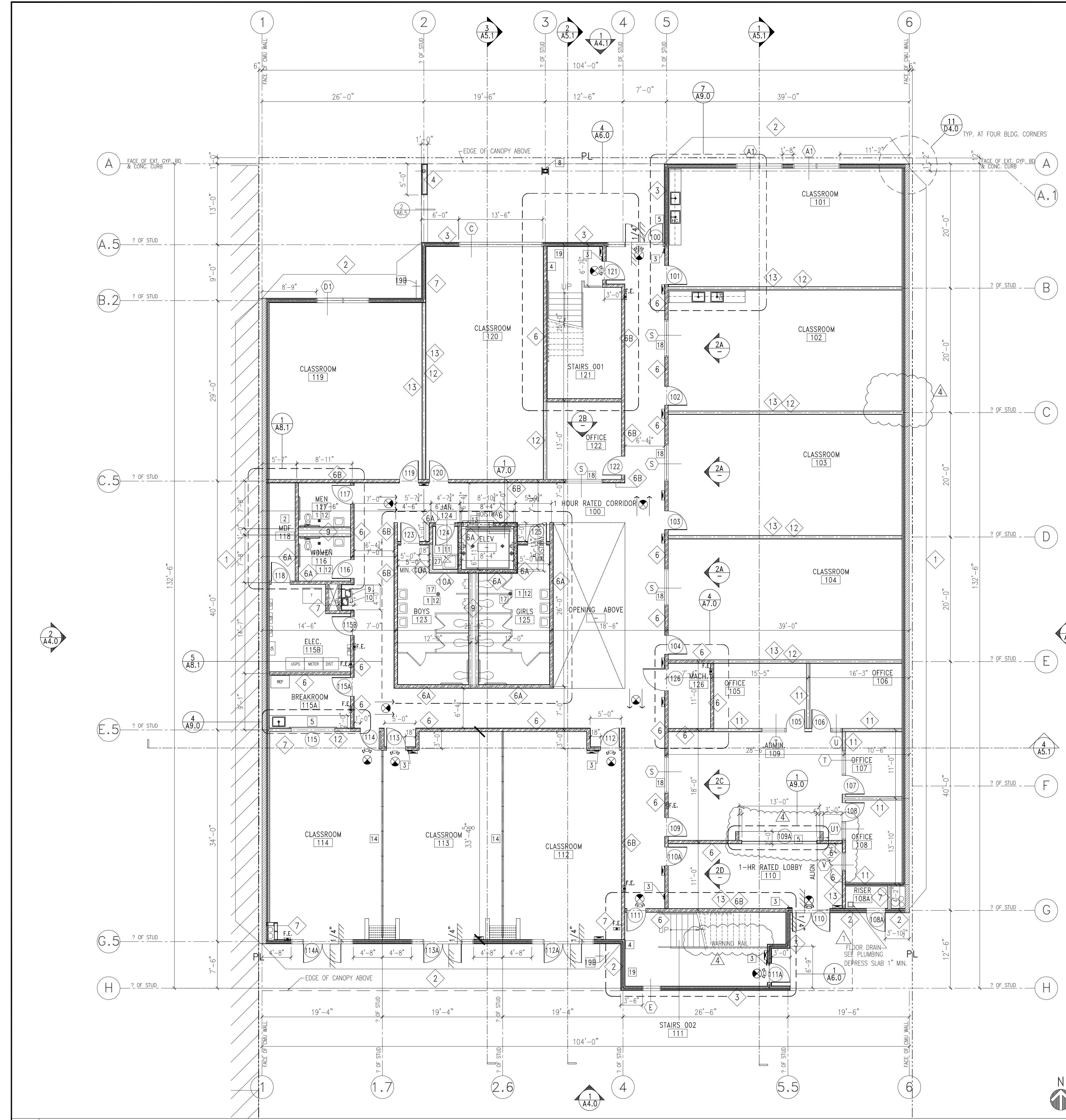
MAGNOLIA SCIENCE ACADEMY
18220 SHERMAN WAY, RESEDA, CA 91335

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	FD PLAN CHECK	6/31/2017
3	FD PLAN CHECK	7/14/2017
4	SUMMARY OF REVISIONS	9/19/2019

RE: RF1-071

INCLUDES:
 - PERMEABLE CONCRETE AT NORTH PORCH
 - REMOVE 2 LIGHT POLE AND MOUNT SITE FLOOD LIGHTS ON THE BUILDING ELEVATIONS
 - ADD SITE SLOPE AT THE OUTDOOR AREA SOUTH OF THE BUILDING - SHOWN IN 3 SECTIONS.
 - REMOVE THE WEST FENCE.
 - SHOW TRENCH DRAIN PER CIVIL DESIGN.
 - USE MANUAL SLIDING GATE AT THE ALLEY.

ENLARGED SITE CONSTRUCTION PLAN
 DRAWN BY: [Name]
 DATE: 01/10/2019
 JOB NUMBER: [Number]
 DRAWING SCALE: AS NOTED
 PREPARED BY: [Name]
 DRAWING NUMBER: A0.5A



1 FIRST FLOOR CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

1. THIS BUILDING MUST BE EQUIPPED WITH AN AUTOMATIC FIRE EXTINGUISHING SYSTEM, IN THE LOCATIONS DESCRIBED IN SEC. 903.2.1 THROUGH 903.2.12 (903.2)

2. FIRE SPRINKLERS SHALL BE PROVIDED WITH METAL ESCUTCHEONS THROUGH OUT.

3. SMOKE/FIRE DAMPERS SHALL BE INSTALLED IN CORRIDORS, FIRE BARRIERS AND FIRE PARTITIONS. SEE MECHANICAL PLANS FOR LOCATION OF SMOKE/FIRE DAMPERS.

4. PENETRATIONS OF FIRE RESISTANCE-RATED ASSEMBLIES SHALL COMPLY WITH SECTION 713.4 THROUGH PENETRATIONS SHALL COMPLY WITH SECTION 713.4.1.1.1 OR 713.4.1.1.2, OR AS NOTED BELOW:

A. STEEL, FERROUS OR COPPER CONDUITS MAY PENETRATE A SINGLE FIRE-RESISTANT-RATED FLOOR ASSEMBLY WHEN THE ANNULAR SPACE IS PROTECTED WITH MATERIAL THAT MEETS ASTM E 119 OR UL 263.

B. PENETRATIONS SHALL BE FIRE-STOPPED BY A SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 149. THE SYSTEM SHALL HAVE AN F RATING AND T RATING OF NOT LESS THAN 1-HR, BUT NOT LESS THAN THE REQUIRED RATING OF THE FLOOR PENETRATED.

C. MEMBRANE PENETRATIONS BY LISTED ELECTRICAL OUTLET BOXES ARE PERMITTED PROVIDED SUCH BOXES HAVE BEEN TESTED FOR USE IN FIRE-RESISTANT-RATED ASSEMBLIES, AND THE SPACE BETWEEN THE WALL MEMBRANE AND THE BOX DOES NOT EXCEED 1/8-IN. UNLESS LISTED OTHERWISE.

5. PENETRATIONS IN FIRE-RESISTANCE-RATED WALLS SHALL COMPLY WITH SECTION 713.5, THROUGH PENETRATIONS SHALL COMPLY WITH SECTION 713.5.1.1 OR 713.5.1.2, OR AS NOTED BELOW:

A. STEEL, FERROUS OR COPPER PIPES MAY PENETRATE FIRE-RESISTANCE-RATED WALLS, PROVIDED THE OPENING IS PROTECTED AS FOLLOWS:

i. TEM PENETRATING CONCRETE OR MASONRY WALLS IS A MAXIMUM 6-IN NOMINAL DIAMETER AND THE AREA OF THE OPENING THROUGH THE WALL DOES NOT EXCEED 144SQ. IN. CONCRETE, GROUT OR MORTAR IS PERMITTED WHERE IT IS INSTALLED THE FULL THICKNESS OF THE WALL OR THE THICKNESS REQUIRED TO MAINTAIN THE FIRE-RESISTANCE-RATING; OR

ii. WHEN THE ANNULAR SPACE IS PROTECTED WITH MATERIAL THAT MEETS ASTM E 119 OR UL 263.

B. PENETRATIONS SHALL BE FIRE-STOPPED BY A SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 149. AND SHALL HAVE AN F RATING OF NOTE LESS THAN THE REQUIRED FIRE-RESISTANCE-RATING OF THE WALL PENETRATED.

C. MEMBRANE PENETRATIONS OF MAXIMUM TWO-HOUR FIRE-RESISTANCE-RATED WALLS BY STEEL ELECTRICAL BOXES ARE PERMITTED, PROVIDED THAT EACH DOES NOT EXCEED 16SQ. IN. IN AREA AND THE TOTAL AREA OF SUCH OPENINGS DOES NOT EXCEED 100 SQ. IN. FOR ANY 100 SQ. FT. OF WALL AREA, AND THE SPACE BETWEEN THE WALL MEMBRANE AND THE BOX DOES NOT EXCEED 1/8-IN. ADDITIONALLY, OUTLET BOXES ON OPPOSITE SIDES OF THE WALL SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24-IN.

D. MEMBRANE PENETRATIONS BY LISTED ELECTRICAL BOXES OF ANY MATERIAL ARE PERMITTED PROVIDED SUCH BOXES HAVE BEEN TESTED FOR USE IN FIRE-RESISTANT-RATED ASSEMBLIES, AND THE SPACE BETWEEN THE WALL MEMBRANE AND THE BOX DOES NOT EXCEED 1/8-IN. UNLESS LISTED OTHERWISE, ADDITIONALLY, OUTLET BOXES ON OPPOSITE SIDES OF THE WALL SHALL BE SEPARATED BY THE HORIZONTAL DISTANCE SPECIFIED IN LISTING OF THE BOXES.

6. EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN OR EXIT ACCESS DOORWAY. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER OR AUTHORIZED AGENT.

7. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER Poles, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC) OR TO THE LOCATION OF THE HOOR-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES—WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.

8. AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWNSTREAM SIDE OF THE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING (PER ORDINANCE 170.155) (INCLUDES COMMERCIAL ADDITIONS AND T WORK OVER \$10,000.) SEPARATE PLUMBING PERMIT IS REQUIRED.

9. PROVIDE ULTRA-LOW FLUSH WATER CLOSETS FOR ALL NEW CONSTRUCTION. EXISTING SHOWER HEADS AND TOILETS MUST BE ADAPTED FOR LOW WATER CONSUMPTION.

10. FIRE BLOCKING MUST BE PROVIDED IN ACCORDANCE W/SEC. 718.2 AT THE FOLLOWING LOCATIONS:

A. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT THE CEILING AND FLOOR LEVELS.

B. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT 10 FOOT INTERVALS ALONG THE LENGTH OF THE WALL.

C. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILING AND COVE CEILING.

D. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN AND BETWEEN STUDS ALONG AND IN LINE WITH THE RUN OF STAIRS AT THE TOP AND UNDER THE STAIRS IS UNFINISHED.

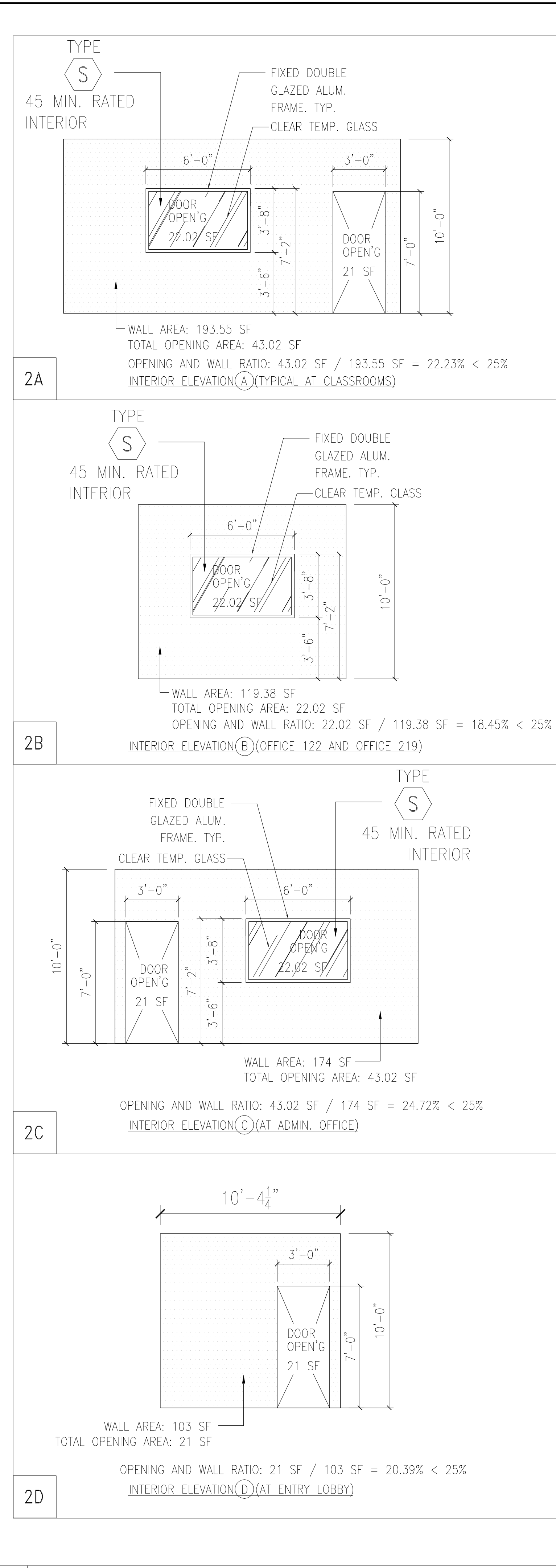
E. IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SIMILAR OPENINGS WHICH AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS, WITH NONCOMBUSTIBLE MATERIALS.

NOTE:

1. ALL STUD WALL, INTERIOR SIDE ONLY, SHALL BE PLANNED OR SHIMMED AS REQUIRED PRIOR TO DRYWALL INSTALLATION TO ASSURE A LEVEL SURFACE WITHOUT DIPS AND BOWS. DRYWALL SUBCONTRACTOR SHALL INSPECT AND APPROVE FRAMED PARTITIONS PRIOR TO INSTALLING DRYWALL WITH THE UNDERSTANDING THAT A LEVEL 5 FINISH IS REQUIRED. ALL DIPS AND BOWS OCCURRING AFTER DRYWALL IS INSTALLED, WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.

2. MAXIMUM CROSS SLOPE FOR WALKWAYS, HC DROP OFF AND RAMPS NOT EXCEED MORE THAN 2%.

BUILDING DEPARTMENT NOTES 5



2 INTERIOR ELEVATIONS
SCALE: 1/4" = 1'-0"

1. PROVIDE APPROVED PANIC HARDWARE ON REQUIRED EXIT DOORS. TITLE 24, SECTION 1008.1.1.10.

2. THE INSPECTION, HYDROSTATIC TEST AND FLUSHING OF THE UNDERGROUND FIRE PROTECTION PIPING SHALL BE WITNESSED BY AN AUTHORIZED FIRE DEPARTMENT REPRESENTATIVE. NO UNDERGROUND PIPING OR THRUST BLOCKS SHALL BE COVERED BY EARTH OR HIDDEN FROM VIEW UNTIL THE FIRE DEPARTMENT REPRESENTATIVE HAS BEEN NOTIFIED AND GIVEN NOT LESS THAN 48 HOURS IN WHICH TO INSPECT SUCH INSTALLATIONS. FIRE CODE 901.5, COUNTY OF LOS ANGELES FIRE DEPARTMENT REGULATION 7.

3. ELEVATORS, ESCALATORS AND MOVING WALKS SHALL COMPLY WITH THE REQUIREMENTS SET FORTH IN BUILDING CODE CHAPTER 30.

4. WALLS AND SOFFITS WITHIN ENCLOSED USABLE SPACES UNDER ENCLOSED AND UNENCLOSED STAIRWAYS SHALL BE PROTECTED BY 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION OF THE FIRE-RESISTANCE RATING OF THE STAIRWAY ENCLOSURE, WHICHEVER IS GREATER. BUILDING CODE 1009.6.3.

5. PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED IN LOCATIONS AS REQUIRED BY FIRE CODE 906 AND FIRE DEPT FIELD INSPECTOR.

6. PROVIDE PORTABLE FIRE EXTINGUISHER W/A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75' TO ALL PORTION OF THE BUILDING ON EACH FLOOR, ALSO DURING CONSTRUCTION (LARC 57.140)

5B. PROVIDE PORTABLE FIRE EXTINGUISHER W/A RATING NOT LESS THAN 10BC FOR KITCHEN, ELEC, MECHANICAL ROOM.

5C. PROVIDE PORTABLE FIRE EXTINGUISHER W/A RATING NOT LESS THAN 2-B, LOCATED NOT LESS THAN 10', NOR MORE THAN 30' FROM ANY FLAMMABLE LIQUID STORAGE AREA OUTSIDE OF A HAZARDOUS MATERIAL ROOM, OR ADJACENT TO "SPRAY" BOOTH.

6. PROVIDE AN APPROVED FIRE ALARM SYSTEM PER TITLE 24, FIRE CODE 907.2.3, 907.2.23 AND PROVIDE OCCUPANT NOTIFICATION IN ACCORDANCE W/SEC. 907.5

7. THIS BUILDING MUST BE EQUIPPED W/AUTOMATIC FIRE EXTINGUISHING SYSTEM, COMPLYING W/NFPA-13/NFPA-15R THE SPRINKLER SYSTEM SHALL BE APPROVED BY PLUMBING DIV. PRIOR TO INSTALLATION. 12.21A17(D) (903.2)

8. THE FIRE SPRINKLER SYSTEM SHALL BE CALCULATED PER PAMPHLET #13.

9. A MANUAL FIRE ALARM SYSTEM SHALL BE INSTALLED IN GROUP A OCCUPANCIES HAVING AN OCCUPANT LOAD OF 300 OR MORE. BUILDING CODE 907.2.1. SUBMIT PLANS TO THE FIRE ALARM PLAN CHECK UNIT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. FIRE CODE 907.2.1.

10. MEANS OF EGRESS ILLUMINATION SHALL BE PROVIDED PER SEC. 1008, IN ADDITION TO OTHER CODE REQUIREMENT.

1. EXTERIOR ENTRIES AND/OR OPENINGS SUBJECT TO FOOT TRAFFIC OR WIND-DRIVEN RAIN TO PREVENT WATER INTRUSION IN BUILDINGS. (CAL GREEN 5.407.2.2)

2. COMPOSITE WOOD PRODUCTS (HARDWOOD PLYWOOD, PARTICLE BOARD, AND MDF COMPOSITE WOOD) INSTALLED ON THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET OR EXCEED THE STANDARDS OUTLINED IN TABLE 5.504.4.5. (CAL GREEN 5.504.4.5)

3. THIS BUILDING IS EQUIPPED WITH WATER-CONSERVING FIXTURES MEETING THE CRITERIA ESTABLISHED IN SECTION CAL GREEN 5.503.2 OR 5.503.3. SEE PLUMBING PLANS FOR MORE INFORMATION.

4. PROVIDE DOCUMENTATION TO JUSTIFY THAT MATERIALS USED HAVE A POST-CONSUMER OR PRE-CONSUMER RECYCLED CONTENT VALUE (RCV) OF AT LEAST 10% OF THE TOTAL VALUE, BASED ON ESTIMATED COST OF MATERIALS ON THE PROJECT. (AS.405.4)

5. PROVIDE THERMAL INSULATION THAT COMPLIES WITH THE VOC EMISSION LIMITS DEFINED IN THE CHPS LOW-EMITTING MATERIALS LIST. (AS.504.4.8)

6. THE USE AND INSTALLATION OF WATER SOFTENERS THAT DISCHARGE TO THE COMMUNITY SEWER SYSTEM SHALL BE LIMITED OR PROHIBITED BY LOCAL AGENCIES IF CERTAIN CONDITIONS ARE MET. (CA GREEN AS.303.3.5)

7. COMPARED TO OTHER PRODUCTS IN A GIVEN PRODUCT CATEGORY, SELECT BUILDING MATERIALS OR PRODUCTS PERMANENT INSTALLATION ON THE PROJECT THAT HAVE BEEN HARVESTED OR MANUFACTURED IN CALIFORNIA OR WITHIN 500 MILES OF THE PROJECT SITE.

A. FOR THOSE MATERIALS LOCALLY MANUFACTURED, SELECT MATERIALS MANUFACTURED USING LOW EMBODIED ENERGY OR THOSE THAT WILL RESULT IN NET ENERGY SAVINGS OVER THEIR USEFUL LIFE.

B. REGIONAL MATERIALS SHALL MAKE UP AT LEAST 10 PERCENT, BASED ON COST, OF TOTAL MATERIALS VALUE.

C. IF REGIONAL MATERIAL MAKE UP ONLY PART OF A PRODUCT, THEIR VALUES ARE CALCULATED AS PERCENTAGES BASED ON WEIGHT.

D. PROVIDE DOCUMENTATION OF THE ORIGIN, NET PROJECTED ENERGY SAVINGS AND VALUE OF REGIONAL MATERIALS. (CA GREEN AS.405.1)

8. OBTAIN APPROVAL FROM THE MECHANICAL SECTION FOR COMPLIANCE WITH SECTION 5.303 - INDOOR WATER USE.

9. INTERIOR WALL AND FLOOR-CEILING ASSEMBLIES SEPARATING ADJACENT TENANT SPACES AND TENANT AND PUBLIC PLACES SHALL HAVE AN STC OF AT LEAST 40. (5.507.4.3)

10. PROVIDE APPROVAL FROM MECHANICAL SECTION FOR A 30% REDUCTION IN INDOOR POTABLE WATER USAGE. (AS.303.2.3.1)

FIRE DEPARTMENT NOTES 4

SYMBOLS LEGEND

FINISH FLOOR ELEVATION CHANGE

SEMI-RECESSED FIRE EXTINGUISHERS SEE SPECIFICATIONS AND DETAIL 7 (DS.0)

DOOR NUMBER DOOR KEY SEE DOOR SCHEDULE A10.0

WINDOW KEY SEE WINDOW SCHEDULE A10.1 WINDOW TYPE

WALL LEGEND

EXTERIOR WALLS 2 HOUR FIRE RATED
PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3

1 FURRING WALL CMU WALL-5/8" TYPE 'X' GYP ONE SIDE, EXTERIOR PLASTER TROWEL APPLIED. SEE DETAIL 1 (D2.0) AND STRUCT'L DETAIL

2 2-HR EXTERIOR STUCCO WALL WITH R-19 INSULATION, EXTERIOR PLYWOOD, FIBERGLASS MAT GYP SHEATHING, EXTERIOR PLASTER TROWEL APPLIED, STRUCTURAL PLYWOOD, 2-LAYER GYP. BD INTERIOR SIDE; SEE DETAIL 4 (A), 5 (A) AND STRUCT'L DETAIL. PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3

3 2-HR EXTERIOR STUCCO WALL WITH R-19 INSULATION, EXTERIOR PLYWOOD, FIBERGLASS MAT GYP SHEATHING, EXTERIOR PLASTER TROWEL APPLIED, 2-LAYER GYP. BD INTERIOR SIDE; SEE DETAIL 4 (D2.0) AND STRUCT'L DETAIL. PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3

3A SAME AS 3 EXCEPT WITH CERAMIC TILE INTERIOR SIDE. PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3

4 2-HR EXTERIOR STUCCO WALL @ NORTH CANOPY, SEE DETAIL 3 (D2.0)

PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3

INTERIOR WALLS 1 HOUR FIRE RATED PARTITIONS
WALLS IN CORRIDORS ARE FIRE BARRIER/ ATRIUM SEPARATION WALLS

1 1-HR FIRE-RATED BARRIER/DEMISING SHEAR WALL

6 WITH PLYWOOD ONE (CORRIDOR) SIDE. SEE DETAIL 8 (D2.0) AND SEE STRUCT'L

6A 1-HR FIRE-RATED BARRIER AT CORRIDOR WITH STRUCT. PLYWOOD AND 5/8" TYPE 'X' GYP. BD. ONE SIDE (CORRIDOR) AND 5/8" WATER RESISTANT GYP. BD. ON RESTROOM/JANITOR SIDE, SEE DETAIL 8A (D2.0)

6B 1-HR FIRE-RATED BARRIER/DEMISING SHEAR WALL WITH PLYWOOD BOTH SIDES. SEE DETAIL 8B (D2.0) AND SEE STRUCT'L

7 1-HR FIRE-RATED SHAF WALL WITH PLYWOOD AND STRUCTURAL

INTERIOR WALLS NON-RATED PARTITIONS

9 WOOD STUD DOUBLE PLUMBING WALL 5/8" TYPE X WATER RESISTANT GREEN GYP BD. EXPOSED SIDE, WITH SOUND INSULATION, SEE DETAIL 11 (D2.0)

10 STUD WALL AT WET AREA WITH 5/8" WATER RESISTANT GYP. BD. ON EXPOSED SIDE ONLY. SEE DET. 1 (D3.0)

10A WOOD STUD WALL FULL HEIGHT AND SOUND INSULATION WITH 5/8" WATER RESISTANT GYP. BD. BOTH SIDES. SEE DETAIL 1A (D2.0)

11 WOOD STUD WALL FULL HEIGHT WITH 5/8" GYP. BOARD BOTH SIDES WITH SOUND INSULATION. (D2.0)

12 DEMISING SHEAR WALL, NON-RATED WITH PLYWOOD ON ONE OR BOTH SIDES. SEE STRUCT'L AND 11 (D2.0)

13 12" LONG 6X6 BLOCKING REQUIRED AT TV TRACKING- HEIGHT TBD.

CONSTRUCTION PLAN NOTES

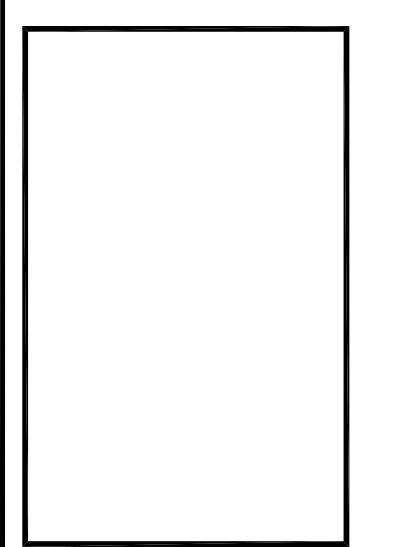
- PROVIDE PRESSURE TREATED FLOOR SILL PLATE ON ALL BATHROOM WALLS, JANITOR'S CLOSET WALLS AND EXTERIOR PERIMETER WALLS ON GROUND FLOOR.
- PROVIDE 3/4" FIRE TREATED PLYWOOD ON ALL WALLS IN MDF ROOM.
- 1011.4 RANDED CHARACTER AND BRAILLE EXIT SIGNS SHALL BE REQUIRED AT THE FOLLOWING LOCATIONS:
 - EACH GRADE-LEVEL EXTERIOR EXIT DOOR THAT IS REQUIRED TO COMPLY WITH SECTION 1011.1, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD, "EXIT"
 - EACH EXIT DOOR THAT IS REQUIRED TO COMPLY WITH SECTION 1011.1, AND THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE:
 - "EXIT STAIR DOWN"
 - "EXIT RAMP DOWN"
 - "EXIT STAIR UP"
 - "EXIT RAMP UP"
 - EACH EXIT DOOR THAT IS REQUIRED TO COMPLY WITH SECTION 1011.1, AND THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR AN EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE."
 - EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO COMPLY WITH SECTION 1011.1, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE."
 - EACH EXIT DOOR THROUGH A HORIZONTAL EXIT THAT IS REQUIRED TO COMPLY WITH SECTION 1011.1, SHALL BE IDENTIFIED BY A SIGN WITH THE WORDS, "TO EXIT" RAISED CHARACTER AND BRAILLE EXIT SIGNS SHALL COMPLY WITH SECTION 1117B.5.1 ITEM 1 SECTIONS 11B-703.1, 11B-703.2, 11B-703.3 AND 11B-703.5.
- PROVIDE TACTILE STAIR LEVEL IDENTIFICATION SIGN THAT COMPLIES WITH 1022.9, AT EACH FLOOR LEVEL LANDING.
- PROVIDE FIRE RATED MOTORIZED ROLL-UP DOOR W/ FUSIBLE LINK. SEE DOOR SCHEDULE.
- ROOF DRAINS. FOR ROOF DRAINS/OVERFLOW DRAINS EXITING THE BUILDING, SEE DETAIL #5/D5.0.
- PROPOSED LOCATION FOR FIRE SPRINKLER RISER/VALVE. PROVIDE ACCESS PANEL AS REQUIRED.
- STEEL COLUMN SEE 1/A6.5
- HYDRO-STATION DRINKING FOUNTAIN, SEE PLUMBING PLAN FOR ADDITIONAL INFORMATION
- DRINKING FOUNTAIN ALCOVE. ALCOVE CEILING HEIGHT @ 7'-0" AFF. SEE DTL 5/A8.0. INSTALL CERAMIC TILES 4'-0" A.F.F. AT ALL WALLS OF ALCOVE.
- PROVIDE WATER RESISTANT GYP ON JAN. CLOSET SIDE.
- ALL RESTROOM FLOOR TO HAVE A 1/8" SLOPE TO FLOOR DRAIN. SEE PLUMBING ENG. DWGS. FOR FLOOR DRAIN LOCATIONS.
- INSTALL SMOKE GUARD. SEE DETAIL 9/D5.0.
- FOLDING WALL: HUPCOR ELECTRIC CONTINUOUSLY-HINGED PANEL. SEE D7.0
- PROVIDE DOOR BUZZER AND COMMUNICATION DEVICE WITH CONDUIT TO MAIN GATE ENTRANCE
- SHAFT TO HAVE A 1-HR FIRE RATING. INSTALL (2) LAYERS OF 5/8" TYPE 'X' GYP. BD. TO EXPOSED SIDE OF FRAMING. INSTALL TYPE 'X' WATER RESISTANT GYP. BD. AT RESTROOM/JANITOR CLOSET SIDE. PROVIDE FIRE-RATED DAMPERS WHERE DUCTS PENETRATE THE FIRE-RATED WALLS. USE 1" TYPE S DRYWALL SCREWS 8" O.C. TO VERTICAL EDGES. SEE CA FILE NO. WP 1200.
- PROVIDE FLOOR DRAIN. SEE PLUMBING PLAN. TILED FLOOR 1% SLOPE TO DRAIN
- 45 MIN. GLAZING/DOOR, NOT EXCEED 25% OF THE COMMON WALL (716.6.7.2)
- SEE 2/- FOR INTERIOR ELEVATIONS.
- INSTALL CLASS 1 STANDPIPE
- CANOPY
- INSTALL A HOSE BIB AT THIS LOCATION. REFER TO PLUMBING ENGINEERING PLANS FOR FURTHER INFO.
- SEE A.3.1
- WATER HEATER SHELVE TO BE MOUNTED 6'-8" MIN. A.F.F. OVER JANITOR'S FLOOR SINK FOR REQUIRED MIN. HEAD CLEARANCE.

LEGEND AND NOTES 2

SEE A2.1 FOR GENERAL NOTES

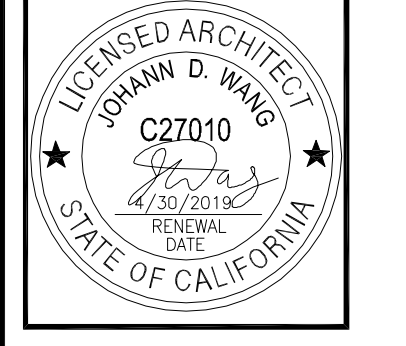
CHANGES:
ENTRY INTERIOR WINDOWS
STAIR-002 REPLACE WALL WITH RAIL
REMOVE SHAFT AT LINE G & C

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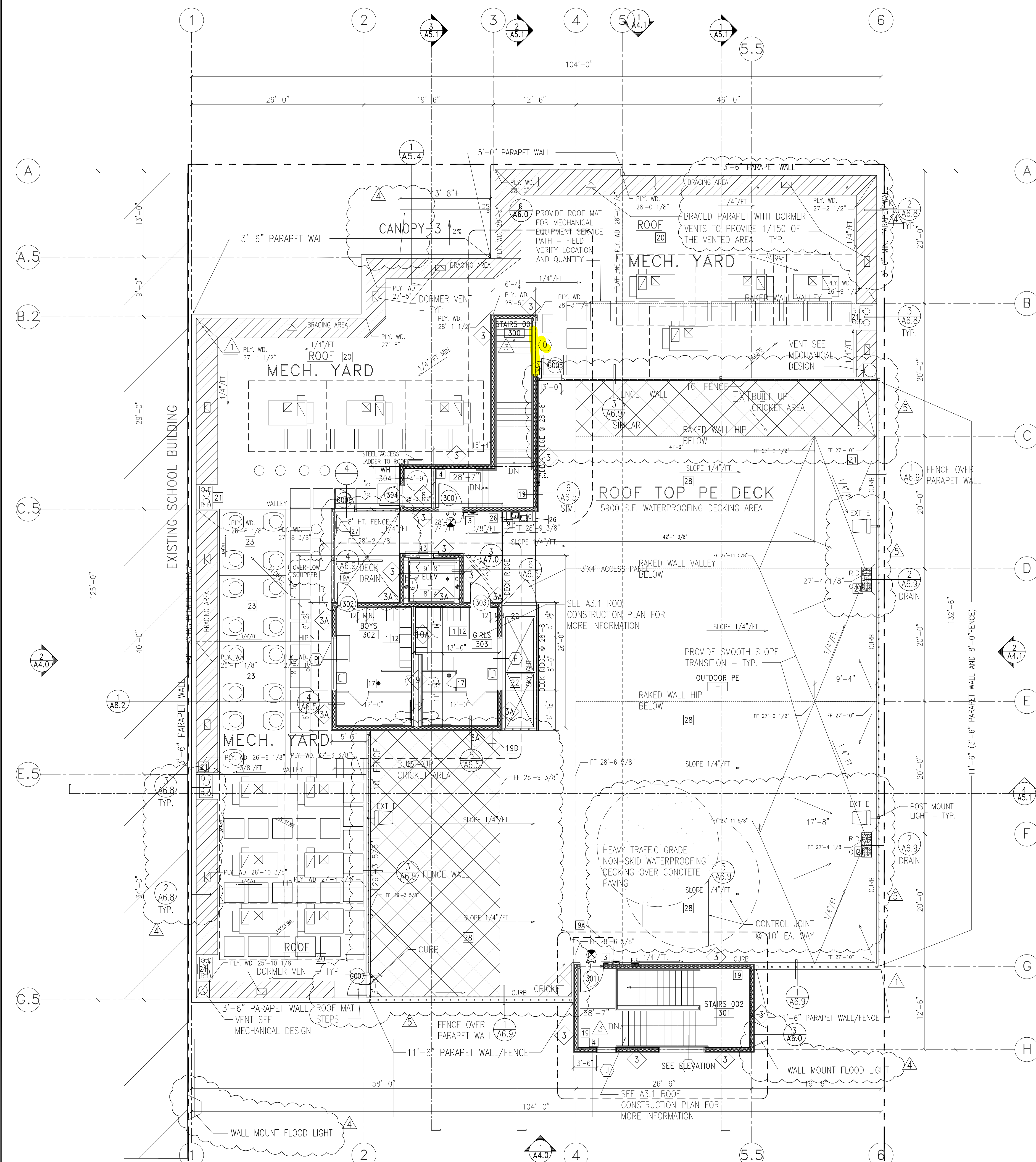
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REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2019
2	TD PLAN CHECK	6/21/2019
3	TD PLAN CHECK	7/14/2019
4	REMOVE "POC" FROM STAIRS	12/02/2019
5	SUMMARY OF REVISIONS	01/19/2020

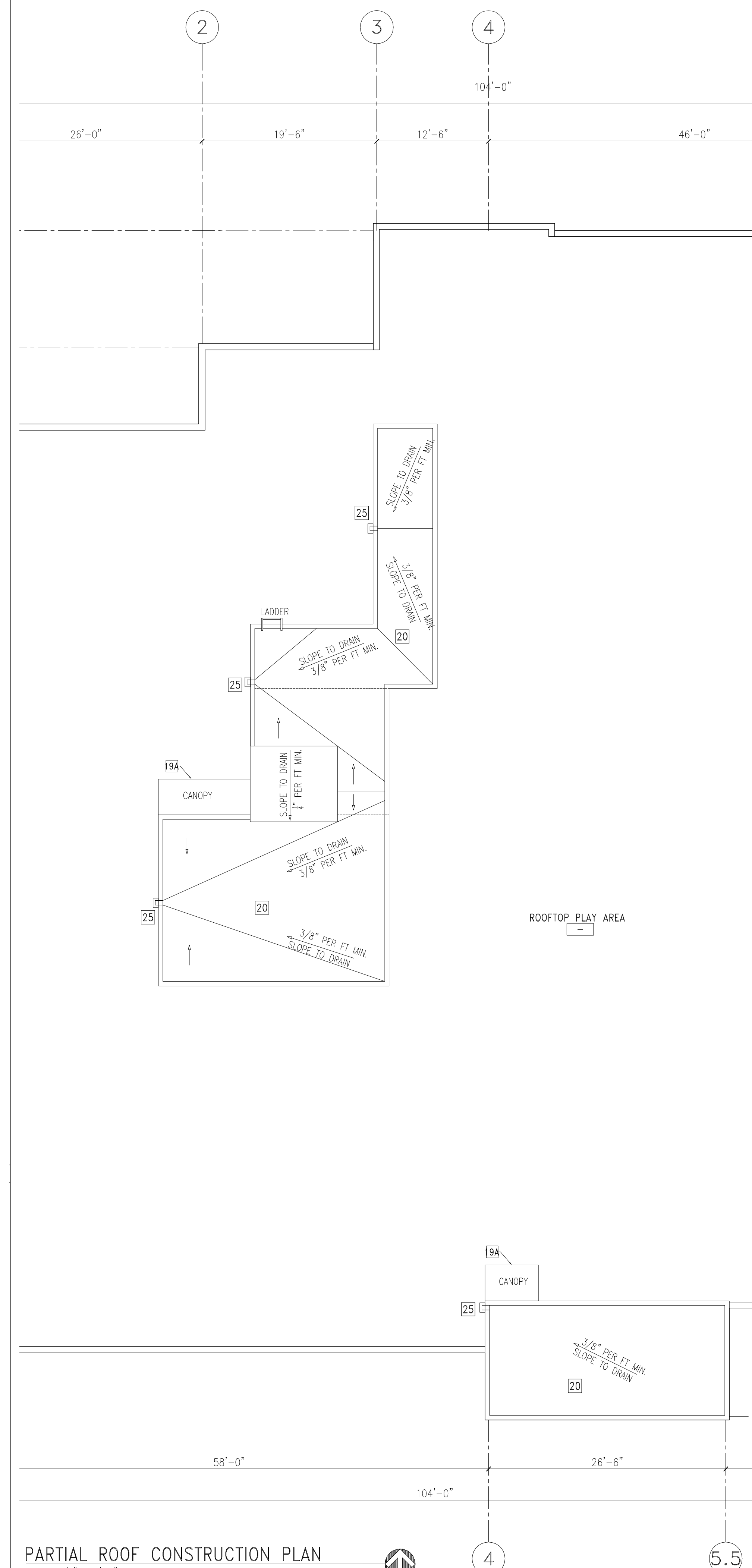


MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS
18220 SHERMAN WAY, RESEDA, CALIF 91335
DRAWING TITLE
FIRST FLOOR CONSTRUCTION PLAN
DATE
01/10/2019
JOB NUMBER
DRAWING SCALE
AS NOTED
CHECKED BY
DRAWING NUMBER

A1.1



ROOF CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"



PARTIAL ROOF CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

SYMBOLS LEGEND

	FINISH FLOOR ELEVATION CHANGE
	SEMI-RECESSED FIRE EXTINGUISHERS SEE SPECIFICATIONS AND DETAIL
	DOOR NUMBER DOOR KEY SEE DOOR SCHEDULE A10.0
	WINDOW KEY SEE WINDOW SCHEDULE A10.1 WINDOW TYPE
	48" x 96" SKYLIGHT; DUAL WALL, WHITE ACRYLIC DOME SKYLIGHT (LARR #2708)
	A/C UNIT, SEE MECH. PLAN

WALL LEGEND

EXTERIOR WALLS 2 HOUR FIRE RATED
PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3

	1 FURRING WALLS CMU WALL-5/8" TYPE 'X' GYP ONE SIDE, EXTERIOR PLASTER TROWL APPLIED. SEE DETAIL (D2.0) AND STRUCT'L DETAIL
	2 2-HR EXTERIOR STUCCO WALL WITH R-19 INSULATION, EXTERIOR PLYWOOD, FIBERGLASS MAT GYP SHEATHING, EXTERIOR PLASTER TROWEL APPLIED, STRUCTURAL PLYWOOD, 2-LAYER GYP. BD. INTERIOR SIDE; SEE DETAIL (D2.0) AND STRUCT'L DETAIL PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3
	3 2-HR EXTERIOR STUCCO WALL WITH R-19 INSULATION, EXTERIOR PLYWOOD, FIBERGLASS MAT GYP SHEATHING, EXTERIOR PLASTER TROWEL APPLIED, 2-LAYER GYP. BD. INTERIOR SIDE; SEE DETAIL (D2.0) AND STRUCT'L DETAIL PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3
	3A SAME AS 3 EXCEPT WITH CERAMIC TILE INTERIOR SIDE.
	4 2-HR EXTERIOR STUCCO WALL @ NORTH CANOPY, SEE DETAIL (D2.0) PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3

INTERIOR WALLS 1 HOUR FIRE RATED PARTITIONS

	6 1-HR FIRE-RATED PARTITION/DEMISING SHEAR WALL WITH PLYWOOD ONE (CORRIDOR) SIDE. SEE DETAIL (D2.0) AND SEE STRUCT'L
	6A 1-HR FIRE-RATED PARTITION AT CORRIDOR WITH STRUCT. PLYWOOD AND 5/8" TYPE 'X' GYP. BD. ONE SIDE (CORRIDOR) AND 5/8" WATER RESISTANT GYP. BD. ON RESTROOM/JANITOR SIDE. SEE DETAIL (D2.0)
	6B 1-HR FIRE-RATED PARTITION/DEMISING SHEAR WALL WITH PLYWOOD BOTH SIDES. SEE DETAIL (D2.0) AND SEE STRUCT'L
	7 1-HR FIRE-RATED SHAFT WALL, SEE DETAIL (D2.0) AND STRUCTURAL

INTERIOR WALLS NON-RATED PARTITIONS

	9 WOOD STUD DOUBLE PLUMBING WALL 5/8" TYPE X WATER RESISTANT GREEN GYP BD. EXPOSED SIDE, WITH SOUND INSULATION, SEE DETAIL (D2.0)
	10 STUD WALL AT WET AREA WITH 5/8" WATER RESISTANT GYP. BD. ON EXPOSED SIDE ONLY. SEE DET. (D3.0)
	10A STUD WALL AT WET AREA WOOD STUD WALL FULL HEIGHT AND SOUND INSULATION WITH 5/8" WATER RESISTANT GYP. BD. BOTH SIDES. SEE DETAIL (D3.0)
	11 WOOD STUD WALL FULL HEIGHT WITH 5/8" GYP. BOARD BOTH SIDES WITH SOUND INSULATION.
	12 DEMISING SHEAR WALL, NON-RATED WITH PLYWOOD ON ONE OR BOTH SIDES. SEE STRUCT'L AND (D2.0)

CONSTRUCTION PLAN NOTES

1	1-19A SEE A1.1
19B	19B INSTALL A HOSE BIB AT THIS LOCATION. REFER TO PLUMBING ENGINEERING PLANS FOR FURTHER INFO.
20	20 INSTALL NEW FIRE CLASS 'A', 5-PLY, BUILT-UP ROOF. SUPPLY A 20 YEAR MINIMUM WARRANTY
21	21 ROOF DRAINS/OVERFLOW DRAINS. FOR ROOF DRAINS/OVERFLOW DRAINS EXITING THE BUILDING, SEE DETAIL (D3.0) (D4.0) (D5.0)
22	22 INSTALL NEW 48" x 96" SKYLIGHT AS SHOWN, WHITE ACRYLIC DOME (LARR# 2708) SKYLIGHTS SHALL BE DUAL GLAZED SELF FLASHING MOUNTED LEVEL ON NEW WOOD CURBS. SKYLIGHTS SET AT AN ANGLE OF LESS THAN 45 DEGREES FROM THE HORIZONTAL PLANE SHALL BE MOUNTED AT LEAST 4" ABOVE THE PLANE OF THE ROOF ON A CURB CONSTRUCTED AS REQUIRED FOR THE FRAME. GLASS SKYLIGHTS SHALL COMPLY WITH SEC. 2405. PLASTIC SKYLIGHTS SHALL COMPLY WITH SEC. 2610. SEE 17/D1.0
23	23 MECHANICAL PLATFORM-RAISED 12", SLOPE 1/4" PER FT. TO DRAIN, SEE MECHANICAL -TYP.
24	24 3 1/2" MIN. CONC. SLOPE 1% MIN. OVER W.P. SLOPE 2% MIN. O/ROOF DECKING
25	25 SCUPPER DRAIN AND OVERFLOW 5/A6.8
26	26 LOW WALL-ALCOVE WITH MIN. 7'-0" CEILING
27	27 ADD DIRECTION SIGN: "ROOF ACCESS LADDER"
28	28 CONCRETE ROOF DECK, SEE DETAIL 5/A6.9

ROOF CONSTRUCTION NOTES:

1. ROOF TO BE CONSTRUCTED AS A FIVE PLY CLASS A FIRE-RATED BUILT-UP ROOF ASSEMBLY.
2. ROOF ASSEMBLY TO BE LISTED BY AN APPROVED TESTING AGENCY.
3. ROOF TO CARRY NDL UNLIMITED 20 YEAR WARRANTY.
4. INSTALL BUILT-UP ROOFING MEMBRANE SYSTEM ACCORDING TO ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS AND APPLICABLE RECOMMENDATIONS OF ARMA/NRCA'S "QUALITY CONTROL GUIDELINES FOR THE APPLICATION OF BUILT-UP ROOFING."
5. INSTALL FOUR PLY SHEETS STARTING AT LOW POINT OF ROOFING SYSTEM. ALIGN PLY SHEETS WITHOUT STRETCHING. SINGLE SIDE LAPS OF PLY SHEETS UNIFORM TO ACHIEVE REQUIRED NUMBER OF PLYS THROUGHOUT THICKNESS OF ROOFING MEMBRANE. SINGLE IN DIRECTION TO SHED WATER. EXTEND PLY SHEETS OVER AND TERMINATE BEYOND GUTS.
6. GROUP E OCCUPANCIES SHALL BE PROVIDED WITH A FIRE RETARDANT ROOF IN ACCORDANCE WITH BUILDING CODE 1505 AND TABLE 1505.1.
7. SIZE THE ROOF DRAINS AND OVERFLOW DRAINS ACCORDING TO THE CHAPTER 11 OF THE LAPC (1503.4) SEE PLUMBING PLAN
8. ROOF DRAIN AND OVERFLOW DRAIN MUST BE INDEPENDENT LINES TO STORM DRAIN SYSTEM. SEE PLUMBING PLAN FOR ROOF DRAIN DIAGRAM
9. ROOF DRAINAGE IS NOT PERMITTED TO FLOW OVER PUBLIC PROPERTY. REFER TO "ROOF PLAN KEY NOTES" AT LEFT FOR ADDITIONAL INFORMATION.

GENERAL NOTES AND CONSTRUCTION PLAN NOTES-SEE A1.1

GENERAL CONSTRUCTION NOTES:

1. SEE SEPARATE DISCIPLINE DRAWINGS FOR STRUCTURAL, ELECTRICAL, MECHANICAL, PLUMBING AND LANDSCAPING.
2. FIRE SPRINKLERS AND FIRE LIFE SAFETY TO BE DESIGN BUILD AND COVERED UNDER SEPARATE PERMIT.
3. NEW SPRINKLER SYSTEM TO BE APPROVED BY FIRE DEPARTMENT PRIOR TO INSTALLATION.
4. EVERY OPENING IN EVERY EXTERIOR WALL OR ROOF SURFACE SHALL BE FLASHED WITH SHEET METAL OR APPROVED BUILDING PAPER.
5. OPENINGS INTO FLOORS, OR OTHER ENCLOSED AREAS SHALL NOT EXCEED 144 SQ. INCH AND SHALL BE COVERED WITH CORROSION RESISTANT WIRE MESH WITH MESH OPENINGS OF 1/4" INCH.
6. SEE PLUMBING PLAN FOR CONNECTION FROM ROOF DRAINS AND OVERFLOW DRAINS TO STORMDRAIN SYSTEM.
D.S. = DOWNSPOUTS
R.D. = ROOF DRAIN
RA = ROOF ACCESS
7. SEE PLUMBING PLAN FOR CONNECTION FROM ROOF DRAINS AND OVERFLOW DRAINS TO STORMDRAIN.
8. ALL MECH. EQUIPMENT LOCATED ON THE ROOF HAS A MIN. 3'-0" PERIMETER ACCESS AS REQUIRED BY THE LAMC. (1513). SEE PLAN ABOVE.

BUILDING DEPARTMENT NOTES:

1. IN BUILDINGS USED FOR OTHER THAN RESIDENTIAL OCCUPANCIES, DRAFT STOPS MUST BE INSTALLED IN WOOD FRAME FLOOR CONSTRUCTION CONTAINING CONCEALED SPACE. SUCH DRAFT STOPS MUST BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED (1000) SQUARE FEET (718.3.3).
2. IN BUILDINGS USED FOR OTHER THAN RESIDENTIAL OCCUPANCIES, DRAFT STOPS MUST BE INSTALLED IN THE ATTIC (MANSARDS) (OVERHANGS) (FALSE FRONTS SET OUT FROM WALLS) (SIMILAR CONCEALED SPACES) FORMED BY COMBUSTIBLE CONSTRUCTION. SUCH DRAFT STOPS MUST BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED (3000) SQUARE FEET (718.4.3).
3. DRAFT-STOPPING MATERIALS MUST NOT BE LESS THAN 3/8-INCH GYPSUM BOARD, 3/8-INCH PLYWOOD, 3/8-INCH TYPE 2-M PARTICLE BOARD OR OTHER MATERIALS APPROVED BY THE BUILDING DEPARTMENT. DRAFT-STOPPING MUST BE ADEQUATELY SUPPORTED. (718.3.1)
4. FIRE BLOCKING MUST BE PROVIDED IN ACCORDANCE WITH SECTION 718.2 AT THE FOLLOWING LOCATIONS:
a. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT THE CEILING AND FLOOR LEVELS.
b. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT 10-FOOT INTERVALS ALONG THE LENGTH OF THE WALL.
c. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS.
d. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN AND BETWEEN STUDS ALONG AND IN LINE WITH THE RUN OF STAIRS IF THE WALL UNDER THE STAIRS IS UNFINISHED.
e. IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SIMILAR OPENINGS WHICH AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS, WITH NONCOMBUSTIBLE MATERIALS.

CA GREEN CODE NOTES

1. PRIOR TO PERMIT BEING FINALED, A COMPLETE REPORT OF THE TESTING AND ADJUSTING SHALL BE PROVIDED TO THE OWNER OR OWNER'S REPRESENTATIVE AND FORM 5.410 - TESTING AND ADJUSTING SHALL BE COMPLETED AND PROVIDED TO THE INSPECTOR. (CAL GREEN 5.410.4)
2. PRIOR TO PERMIT BEING FINALED, A COMPLETE REPORT OF THE COMMISSIONING PROCESS SHALL BE PROVIDED TO THE OWNER OR OWNER'S REPRESENTATIVE AND FORM 5.410 - VERIFICATION SHALL BE COMPLETED AND PROVIDED TO THE INSPECTOR. (CAL GREEN 5.410.2)
3. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, PROVIDE RETURN AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8, BASED ON ASHRAE 52.2-1999, OR AN AVERAGE EFFICIENCY OF 30 PERCENT, BASED ON ASHRAE 52.1-1992. REPLACE ALL FILTERS PRIOR TO OCCUPANCY OR AT THE CONCLUSION OF CONSTRUCTION. (CAL GREEN 5.504.1.3)
4. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING, AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL, OR OTHER ACCEPTABLE METHODS TO REDUCE THE AMOUNT OF DUST, WATER, AND DEBRIS WHICH MAY ENTER THE SYSTEM. (CAL GREEN 5.504.3)
5. PROVIDE A COOL ROOF WITH ADEQUATE THERMAL EMITTANCE AND SOLAR REFLECTANCE, OR SRI VALUES IN ACCORDANCE WITH TABLE A5.106.11.2.1. (A5.106.11.2)
6. A COPY OF THE CONSTRUCTION DOCUMENTS OR A COMPARABLE DOCUMENT INDICATING THE INFORMATION FROM ENERGY CODE SECTION 110.10(B) THROUGH 110.10(C) SHALL BE PROVIDED TO THE OCCUPANT. (ENERGY CODE 110.10(D))
7. AUTOMATIC LANDSCAPE IRRIGATORS SHALL BE INSTALLED IN SUCH A WAY THAT IT DOESN'T SPRAY ON THE BUILDING

NEW BUILDING - ROOFING MATERIALS LIST:

CLASS A FIVE PLY FIRE-RATED BUILT-UP ROOF ASSEMBLY:
MANUF.: GAF MATERIALS CORPORATION

DECK:	PLYWOOD
BASE SHEET:	GAFGLAS #75 BASE SHEET, ASTM D-4601 - (1) LAYER
PLY SHEET:	GAFGLAS FLEX-PLY, ASTM D-2178 - (3) PLY
SURFACING:	ENERGYCAP BUR, ASTM D-3909 (1) PLY
FLASHING MEMBRANE:	RUBEROID MOP SMOOTH, ASTM D-6164 ENERGYCAP BUR, ASTM D-3909 (1) PLY
GUARANTEE:	DIAMOND PLEDGE NDL - 20 YEARS UNLIMITED
WALKWAYS:	WALKWAY PADS: MINERAL-GRANULE-SURFACED, REINFORCED ASPHALTIC COMPOSITION, SUP-RESISTING PADS. PAD SIZE: 4'X4'. CAP SHEET STRIPS: ASTM D 6163, TYPE I OR II, GLASS-FIBER-REINFORCED, SRS-MODIFIED, ASPHALT-IMPREGNATED AND COATED WALKWAY SHEET; WITH WHITE COARSE MINERAL-GRANULE TOP SURFACING AND FINE MINERAL SURFACING ON THE BOTTOM SURFACE.

RE:
RFI-127, SK-032R
RFI-088, RFI-089, SK-022, SK-027

INCLUDES:
- REDUCE CANOPY-3 TO MATCH WITH ELEVATION
- ADD WALL MOUNTED FLOOD LIGHT
- SHOW PARAPET BRACING AND ADD DORMER VENTS

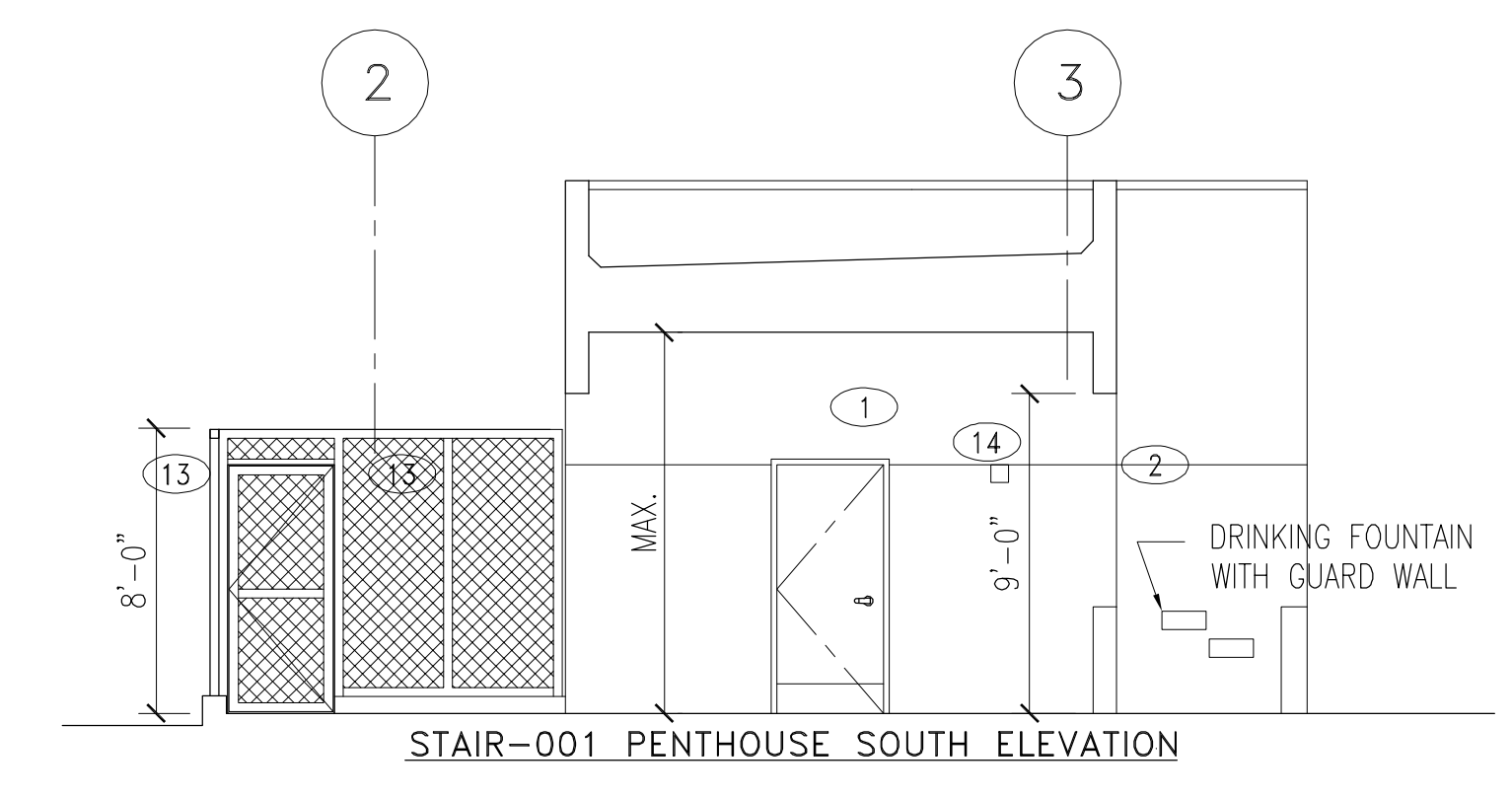
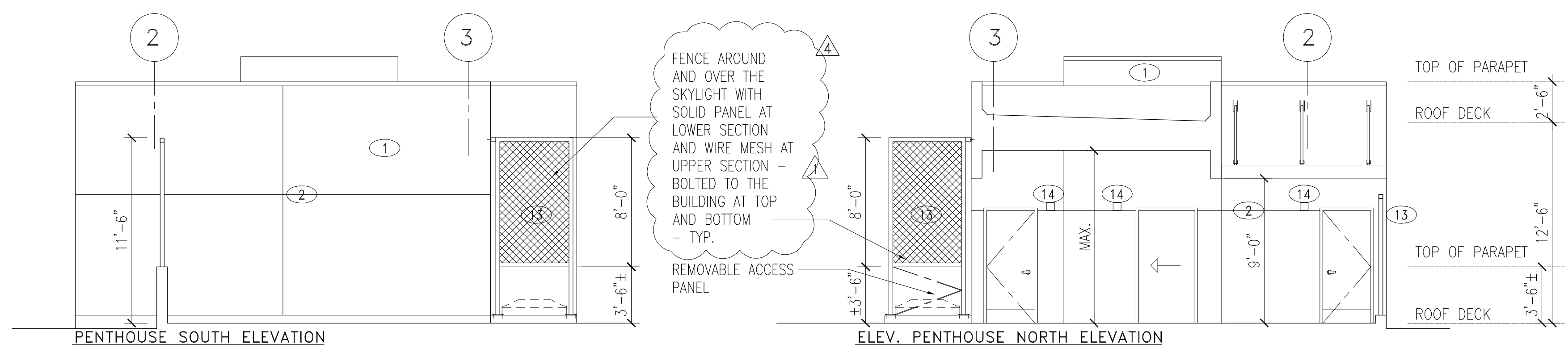
ADD CRICKET ON ROOF DECK, CLARIFY SURFACE DRAIN PATTERN AND REPOSITION THE DRAINS
- ADD DECK COATING

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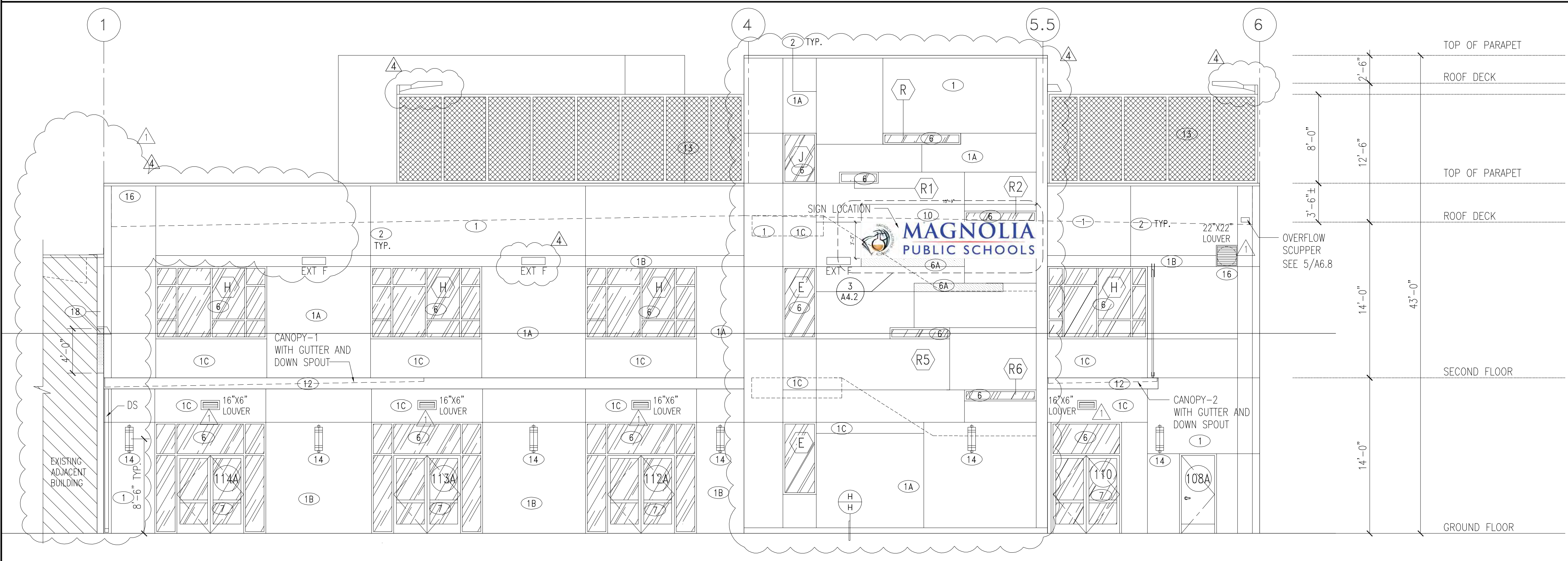
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REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	10 PLAN CHECK	6/31/2017
3	10 PLAN CHECK	12/14/2017
4	COORDINATION	06/11/2018
5	REMOVE POC	12/02/2018
6	SUMMARY OF REVISIONS	07/19/2019
7	COORDINATION	07/19/2019
8	REVISION	07/19/2019

PROJECT: MAGNOLIA SCIENCE ACADEMY
PROJECT NUMBER: 18220 SHERMAN WAY, RESEDA, CA91335
DRAWING TITLE: ROOF CONSTRUCTION PLAN
DRAWN BY: [Name] SIDE DATE: 01/10/2019
JOB NUMBER: [Number] DRAWING SCALE: AS NOTED
CHECKED BY: [Name]
DRAWING NUMBER: A3.1



- LEGEND:**
- PTD. STUCCO W/ LATH, O/ WEATHER BARRIER 0/5/8" EXT. GYP. BD. O/ EXT. PLYWOOD O/ FIRE RETARDANT TREATED WOOD FRAMING
 - STUCCO WALL - LA HABRA STUCCO FINISH SMOOTH COLOR SPECS. TO FOLLOW CONTRACTOR SHALL SUBMIT 8"x11" FINISH SAMPLE FOR APPROVAL EXTERIOR STUCCO TO BE PAINTED WITH VISTA WEATHER MASTER ELASTOMERIC FINISH PRIOR TO APPLYING FINAL ACRIBOND FLAT PAINT COLOR.
 - STUCCO: ACCENT COLOR-LIGHT GRAY, TBD
 - STUCCO: ACCENT COLOR-DARK GRAY, TBD
 - STUCCO: ACCENT COLOR-BLUE, TBD
 - STUCCO: ACCENT COLOR-MATCH STEEL PLATE (COR-TEN FINISH)
 - 3/4" ALUM. REVEAL/CONTROL JOINT, TYP. SEE 1B/01.0
 - NOTE: PROVIDE CONTROL JOINTS AT UNDERSIDE OF CANOPIES AND ALL EXTERIOR WALLS THAT ARE NOT SHOWN ON ELEVATIONS SPACING AT 10'-0" O.C. MAX.
 - 20GA WEATHERED SHEET METAL CLADDING (COR-TEN FINISH) OVER 5/8" X GYP. BD O/ STRUCTURAL STEEL COLUMN
 - CUT OUT STEEL PLATE, WEATHERED STEEL (COR-TEN FINISH)
 - PROVIDE ANTI-GRAFFITI FINISH AT THE FIRST 9 FEET, MEASURED FROM GRADE, AT EXTERIOR WALLS AND DOORS. (6306) (PAINTED SURFACE - LARR #25601T, UNFINISHED SURFACE - LARR #25286T)
 - STOREFRONT GLASS WINDOW: 1" LOW-E INSULATED TEMPERED DUAL GLAZED GLASS, 2" X 4 1/2" CLEAR ALUMINUM STOREFRONT FRAME GLASS SPEC. - PPG VISTA COOL(2) AZURIA SOLORBAN 60
 - STOREFRONT SPANDREL GLASS WINDOW: 1" LOW-E INSULATED TEMPERED DUAL GLAZED GLASS, 2" X 4 1/2" CLEAR ANODIZED ALUMINUM FRAME GLASS SPEC. - PPG VISTA COOL(2) AZURIA SOLORBAN 60
 - 6'-0" W X 7'-0" HT. PAIR OF STOREFRONT TEMPERED GLASS DOORS CLEAR ANODIZED ALUMINUM FRAME.
 - BUILDING ADDRESS SUBMIT SHOP DRAWINGS FOR ARCHITECTS APPROVAL
 - REINFORCED CMU WALL - PAINTED
 - SCHOOL SIGN AND LOGO, SEE 3&4/A4.2 SUBMIT SHOP DRAWINGS FOR ARCHITECTS APPROVAL
 - TRAPEZOIDAL CORRUGATED STEEL PANEL, METALTECH-USA TRAPEZOIDAL CORRUGATE OR EQUAL, FINISH-TBD
 - CANOPY OVERHEAD, SEE STRUCTURAL
 - W.I. FENCE W/ PAINTED PERFORATED METAL PANELS.
 - LIGHT FIXTURE PER SCHEDULE
 - CANTILEVERED CANOPY
 - VENT LOUVER - PAINTED TO MATCH ADJACENT WALL
 - PAINTED G.I. GUTTER AND DOWN SPOUT
 - PAINTED G.I. GAP COVER - PROVIDE 4" PERFORATED G.I. SECTION TO ALLOW 50 SQUARE INCH VENTED AREA WITH INSECT SCREEN



SOUTH ELEVATION

TOTAL SURFACE = **3,286 SF**

SOLID SURFACE = **2,530.75 SF (77%)**

GLAZED SURFACE = **755.25 SF (23%)**

FIRST FLOOR SURFACE = **1,456 SF**

SOLID SURFACE = **1,025.25 SF (70%)**

GLAZED SURFACE = **430.75 SF (30%)**

SECOND FLOOR SURFACE = **1,456 SF**

SOLID SURFACE = **1,156 SF (79.4%)**

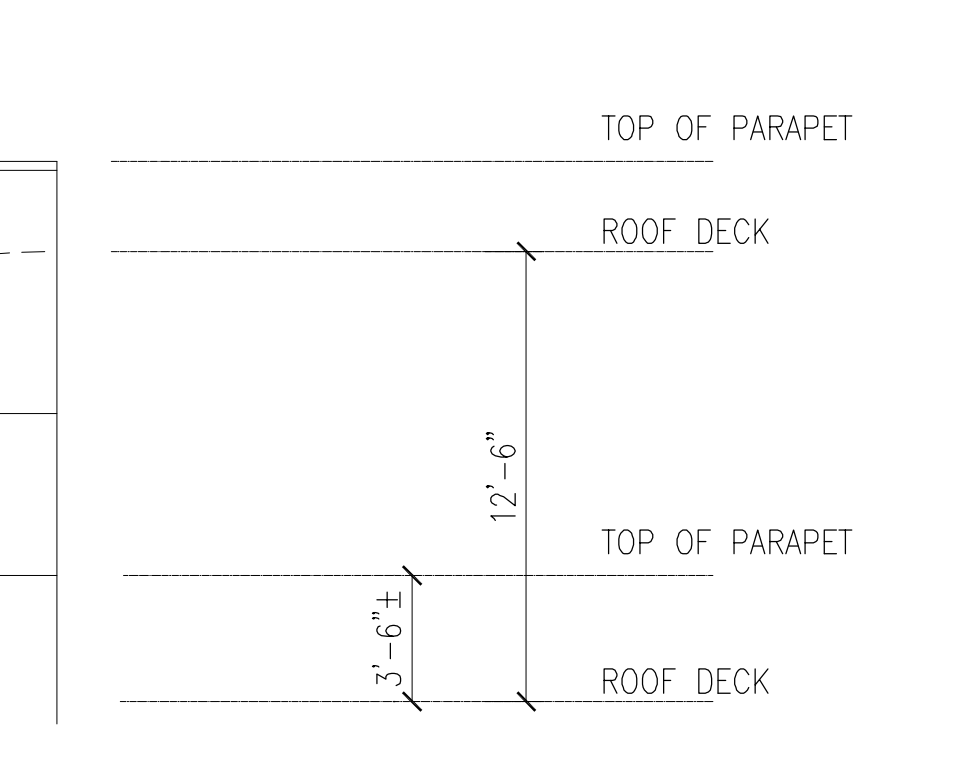
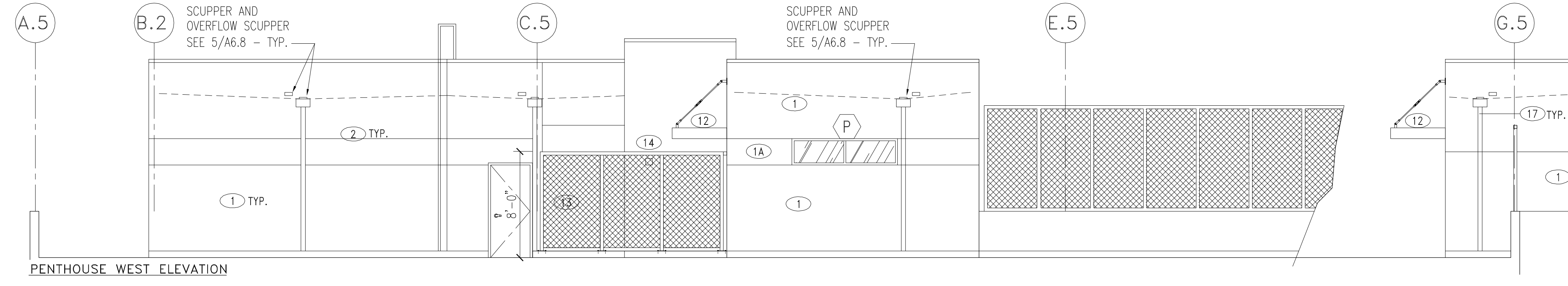
GLAZED SURFACE = **300 SF (20.6%)**

THIRD FLOOR SURFACE = **374 SF**

SOLID SURFACE = **349.5 SF (93%)**

GLAZED SURFACE = **24.5 SF (7%)**

1 SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



WEST ELEVATION

TOTAL SURFACE = **2,912 SF**

SOLID SURFACE = **2,912 SF (100%)**

GLAZED SURFACE = **0 SF (0%)**

FIRST FLOOR SURFACE = **1,456 SF**

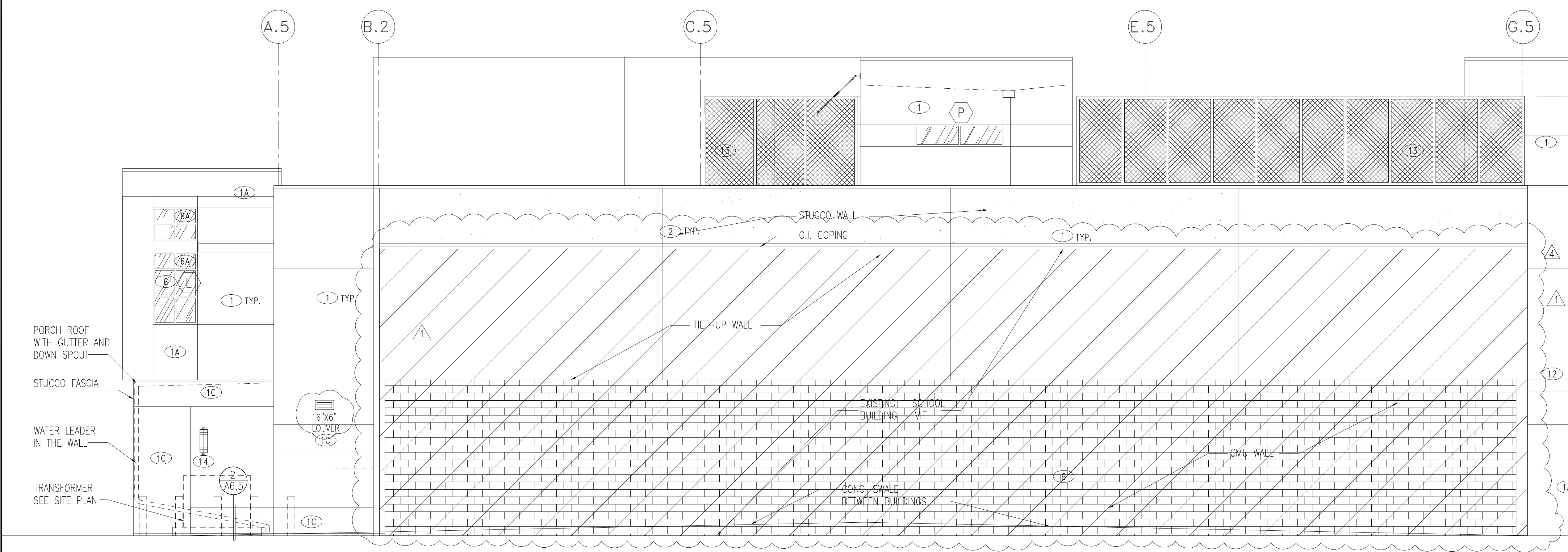
SOLID SURFACE = **1,456 SF (100%)**

GLAZED SURFACE = **0 SF (0%)**

SECOND FLOOR SURFACE = **1,456 SF**

SOLID SURFACE = **1,456 SF (100%)**

GLAZED SURFACE = **0 SF (0%)**



2 WEST ELEVATION
SCALE: 3/16" = 1'-0"

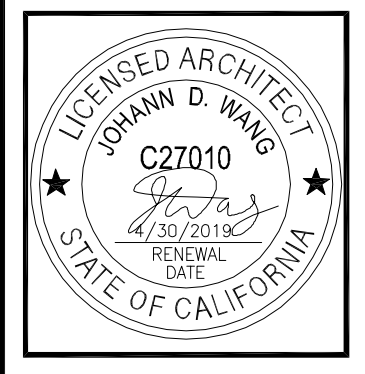
RE: RFI-013.1, RFI-013.2, SK-021

INCLUDES:
- ADD FENCE OVER SKYLIGHT
- FLASHING BETWEEN NEW BUILDING AND THE EXISTING BUILDING
- STAIR-2 SOUTH FAÇADE IS MODIFIED
- RELOCATE SCHOOL SIGN
- WEST ELEVATION FIELD CONDITION UPDATE

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REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	TD PLAN CHECK	6/31/2017
3	TD PLAN CHECK	2/14/2018
4	COOPERATION BULLETIN-1	06/11/2018
5	COOPERATION BULLETIN-2	06/25/2018
6	SUMMARY OF DISTANCE	07/10/2018



PROJECT: MAGNOLIA SCIENCE ACADEMY

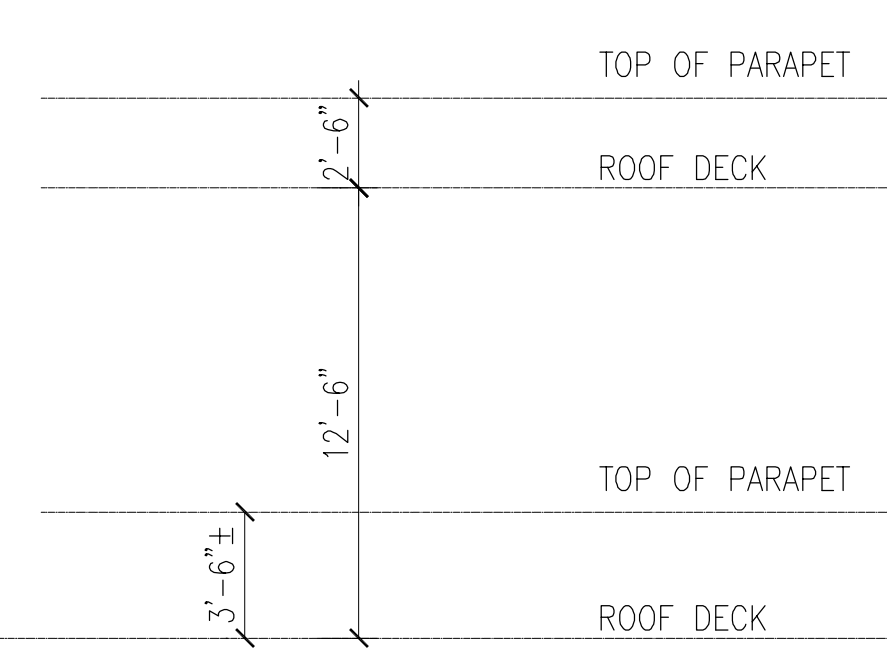
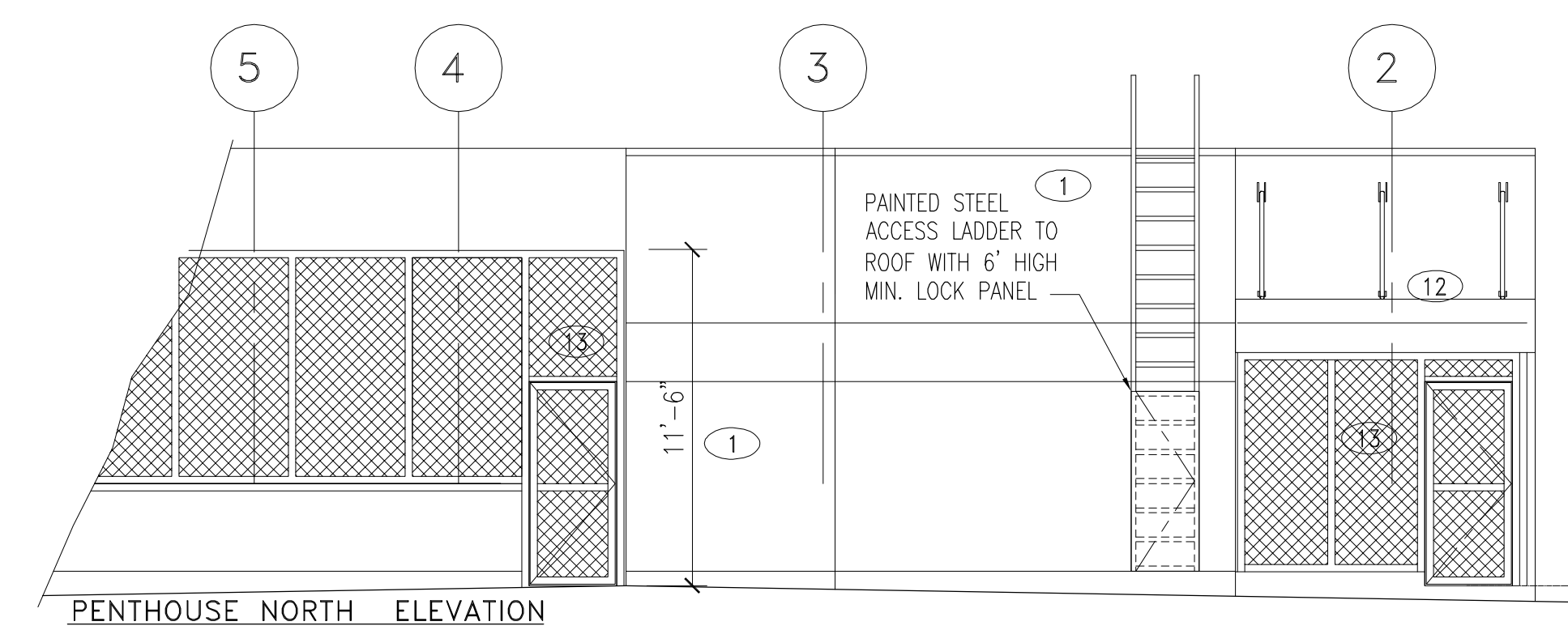
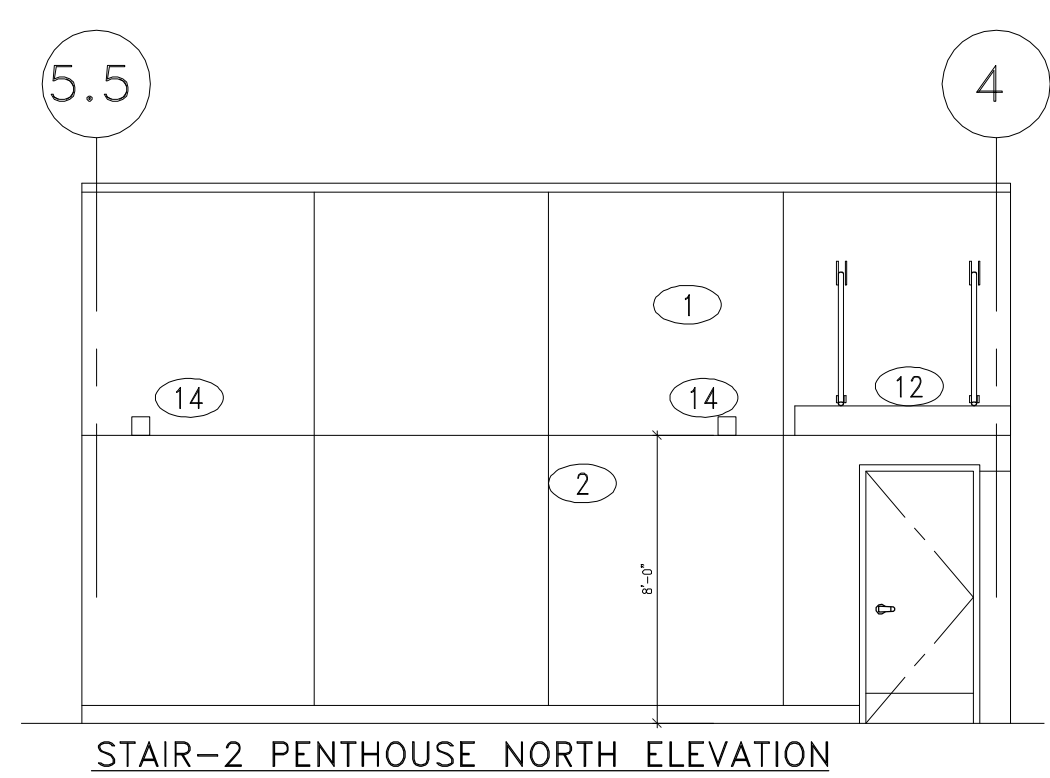
PROJECT ADDRESS: 18220 SHERMAN WAY., RESEDA, CA 91335

DRAWING TITLE: ELEVATIONS

DATE: 01/10/2019

SCALE: AS NOTED

DRAWING NUMBER: A4.0



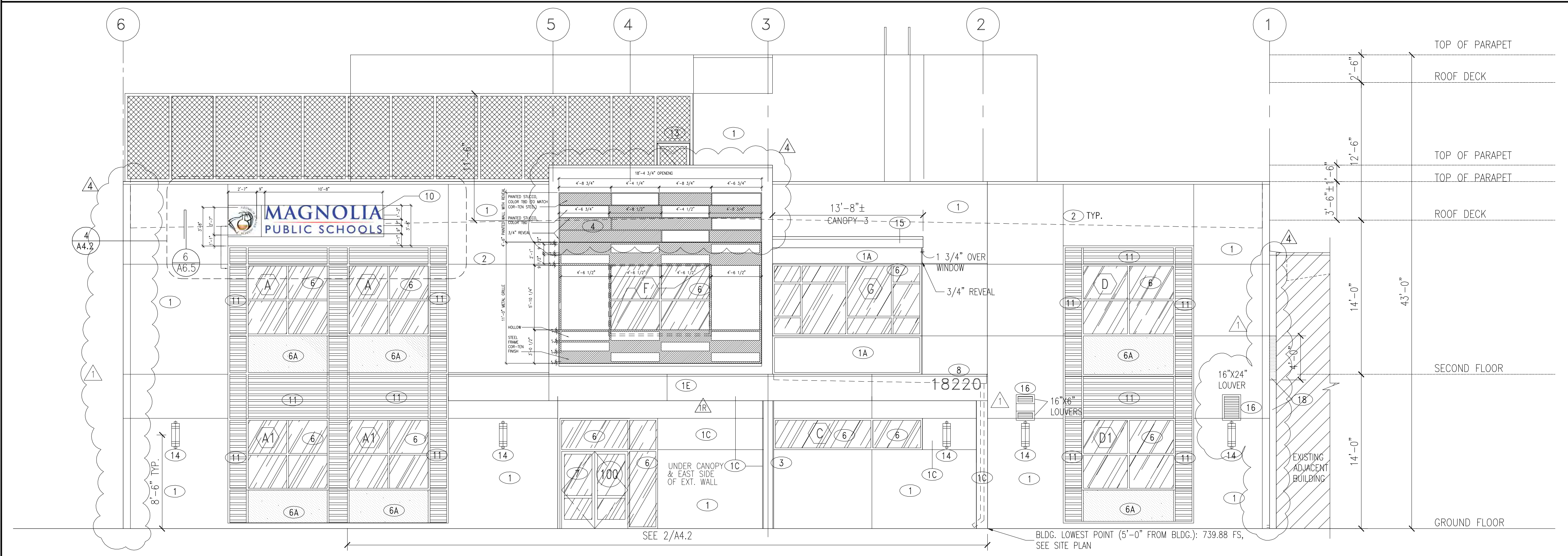
- LEGEND:**
- 1 PTD. STUCCO W/ LATH, O/ WEATHER BARRIER 0/5/8" EXT. GYP. BD, O/ EXT. PLYWOOD O/ FIRE RETARDANT TREATED WOOD FRAMING
 - 2 3/4" ALUM. REVEAL/CONTROL JOINT, TYP. SEE 18/D1.0
 - 3 20GA WEATHERED SHEET METAL CLADDING (COR-TEN FINISH) OVER 5/8" "X" GYP. BD O/ STRUCTURAL STEEL COLUMN
 - 4 CUT OUT STEEL PLATE, WEATHERED STEEL (COR-TEN FINISH)
 - 5 PROVIDE ANTI-GRAFFITI FINISH AT THE FIRST 9 FEET, MEASURED FROM GRADE, AT EXTERIOR WALLS AND DOORS (6306) (PAINTED SURFACE - LARR #25601T, UNFINISHED SURFACE - LARR #25286T)
 - 6 STOREFRONT GLASS WINDOW:
1" LOW-E INSULATED TEMPERED DUAL GLAZED GLASS,
2" X 4 1/2" CLEAR ALUMINUM STOREFRONT FRAME
GLASS SPEC. - PPG VISTA COOL(2) AZURIA SOLORBAN 60
 - 6A STOREFRONT SPANDREL GLASS WINDOW:
1" LOW-E INSULATED TEMPERED DUAL GLAZED GLASS,
2" X 4 1/2" CLEAR ANODIZED ALUMINUM FRAME
GLASS SPEC. - PPG VISTA COOL(2) AZURIA SOLORBAN 60
 - 7 6'-0" W X 7'-0" HT. PAIR OF STOREFRONT TEMPERED GLASS DOORS CLEAR ANODIZED ALUMINUM FRAME.
 - 8 BUILDING ADDRESS
SUBMIT SHOP DRAWINGS FOR ARCHITECTS APPROVAL
 - 9 REINFORCED CMU WALL - PAINTED
 - 10 SCHOOL SIGN AND LOGO, SEE 3&4/A4.2
SUBMIT SHOP DRAWINGS FOR ARCHITECTS APPROVAL
 - 11 TRAPEZOIDAL CORRUGATED STEEL PANEL,
METALTECH-USA TRAPEZOIDAL CORRUGATE OR EQUAL, FINISH-TBD
 - 12 CANOPY OVERHEAD, SEE STRUCTURAL
 - 13 W.I. FENCE W/ PAINTED PERFORATED METAL PANELS.
 - 14 LIGHT FIXTURE PER SCHEDULE
 - 15 CANTILEVERED CANOPY
 - 16 VENT LOUVER - PAINTED TO MATCH ADJACENT WALL
 - 17 PAINTED G.I. GUTTER AND DOWN SPOUT
 - 18 PAINTED G.I. GAP COVER -
PROVIDE 4" PERFORATED G.I. SECTION TO ALLOW
50 SQUARE INCH VENTED AREA WITH INSECT
SCREEN

NORTH ELEVATION

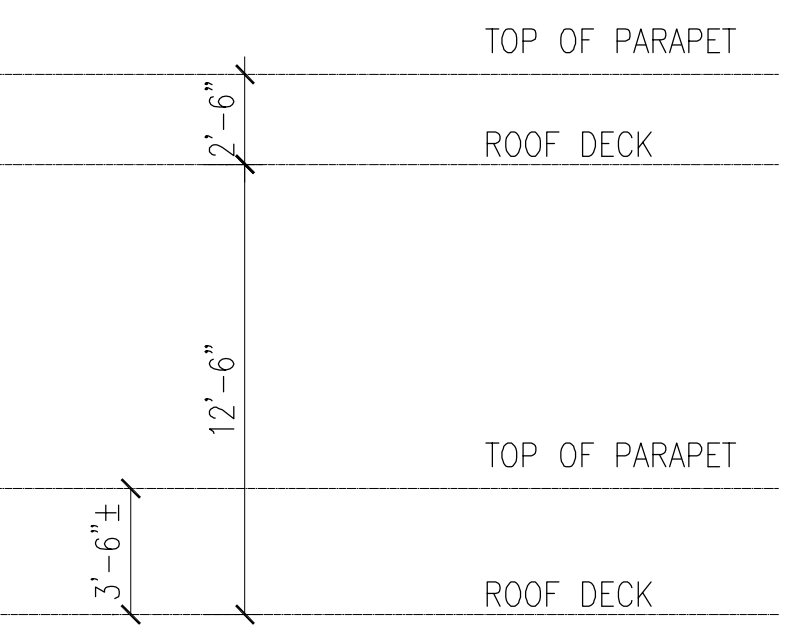
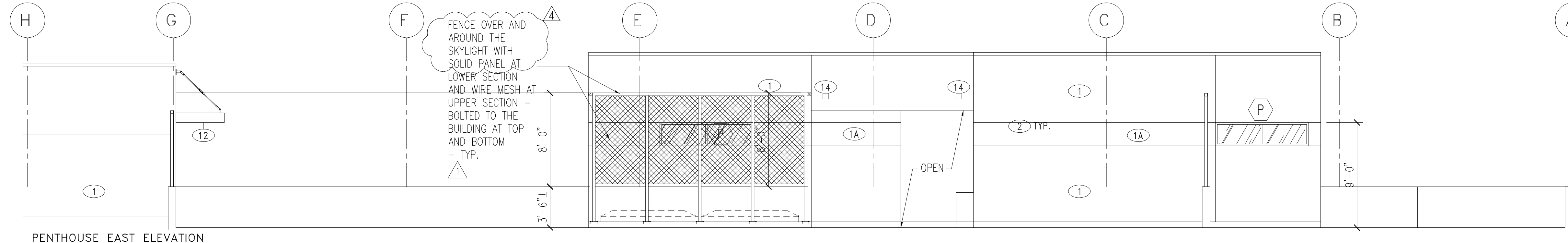
TOTAL SURFACE = 2,912 SF
 SOLID SURFACE = 2,263.5 SF (78%)
 GLAZED SURFACE = 648.5 SF (22%)

FIRST FLOOR SURFACE = 1,456 SF
 SOLID SURFACE = 1,127.5 SF (77.4%)
 GLAZED SURFACE = 328.5 SF (22.6%)

SECOND FLOOR SURFACE = 1,456 SF
 SOLID SURFACE = 1,136 SF (78%)
 GLAZED SURFACE = 320 SF (22%)



1 NORTH ELEVATION
SCALE: 3/16" = 1'-0"

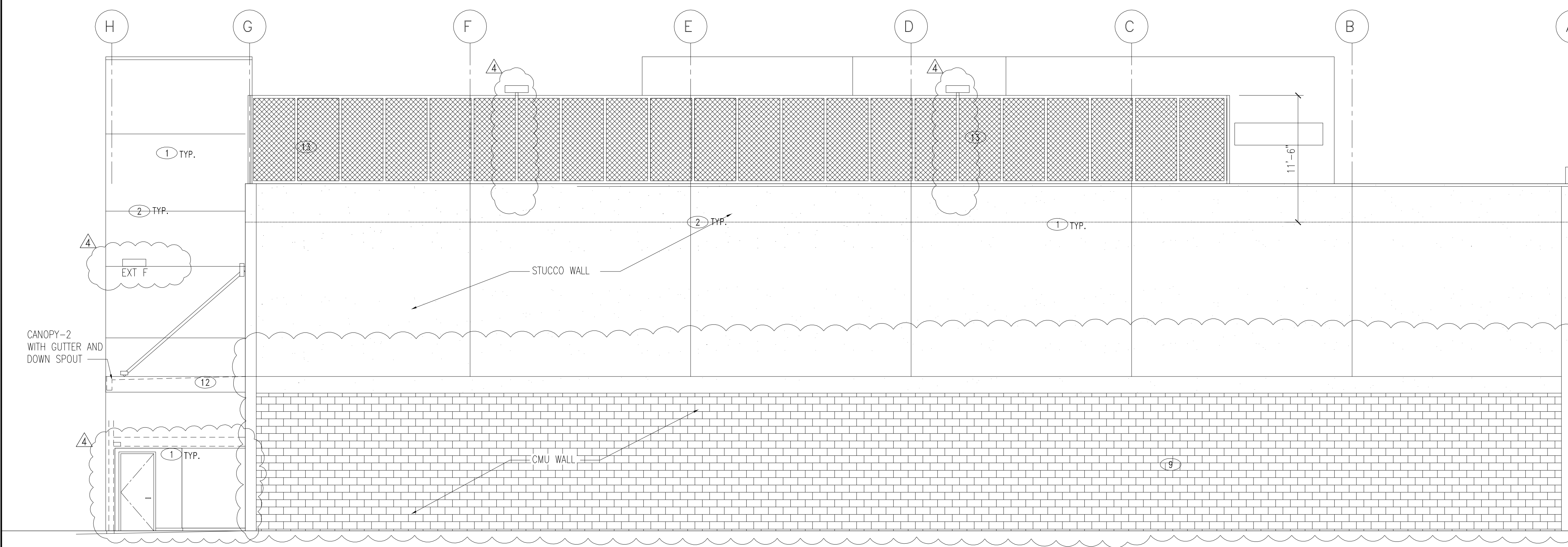


EAST ELEVATION

TOTAL SURFACE = 2,912 SF
 SOLID SURFACE = 2,912 SF (100%)
 GLAZED SURFACE = 0 SF (0%)

FIRST FLOOR SURFACE = 1,456 SF
 SOLID SURFACE = 1,456 SF (100%)
 GLAZED SURFACE = 0 SF (0%)

SECOND FLOOR SURFACE = 1,456 SF
 SOLID SURFACE = 1,456 SF (100%)
 GLAZED SURFACE = 0 SF (0%)



2 EAST ELEVATION
SCALE: 3/16" = 1'-0"

RE: RFI-105, SK-013

- ADD FENCE OVER SKYLIGHT
- FLASHING BETWEEN NEW BUILDING AND THE EXISTING BUILDING
- DECORATIVE METAL FRAME ON NORTH FACADE IS MODIFIED
- STUCCO AREA ON EAST ELEVATION
- SHOW STAIR-2 EXIT DOOR AS IN PLAN

FRANCO ARCHITECTS INC.
 12345 Ventura Blvd. H
 Studio City, CA 91604
 Tel: 818 754-2030
 Fax: 818 754-2035
 Architecture and Planning

MAGNOLIA SCIENCE ACADEMY
 18220 SHERMAN WAY, RESEDA, CA 91335

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	TD PLAN CHECK	9/31/2017
3	TD PLAN CHECK	2/14/2017
4	COOPERATION BULLETIN-1	06/11/2018
5	COOPERATION BULLETIN-2	06/25/2018
6	SUMMARY OF DISTANCES	07/10/2018

REGISTERED ARCHITECT
 C27010
 JOHN D. HUNG
 4/20/2018
 RENEWAL DATE
 STATE OF CALIFORNIA

MAGNOLIA SCIENCE ACADEMY

PROJECT ADDRESS:
 18220 SHERMAN WAY,
 RESEDA, CA 91335

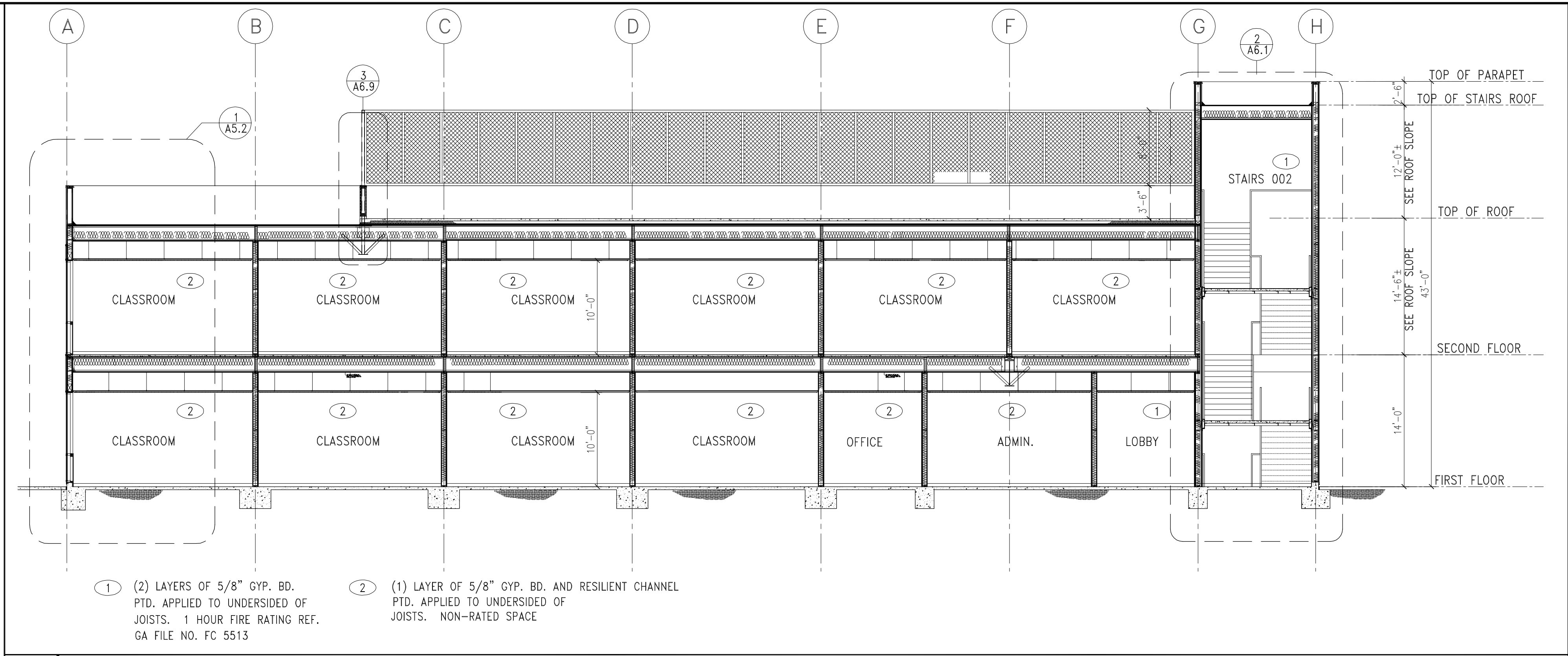
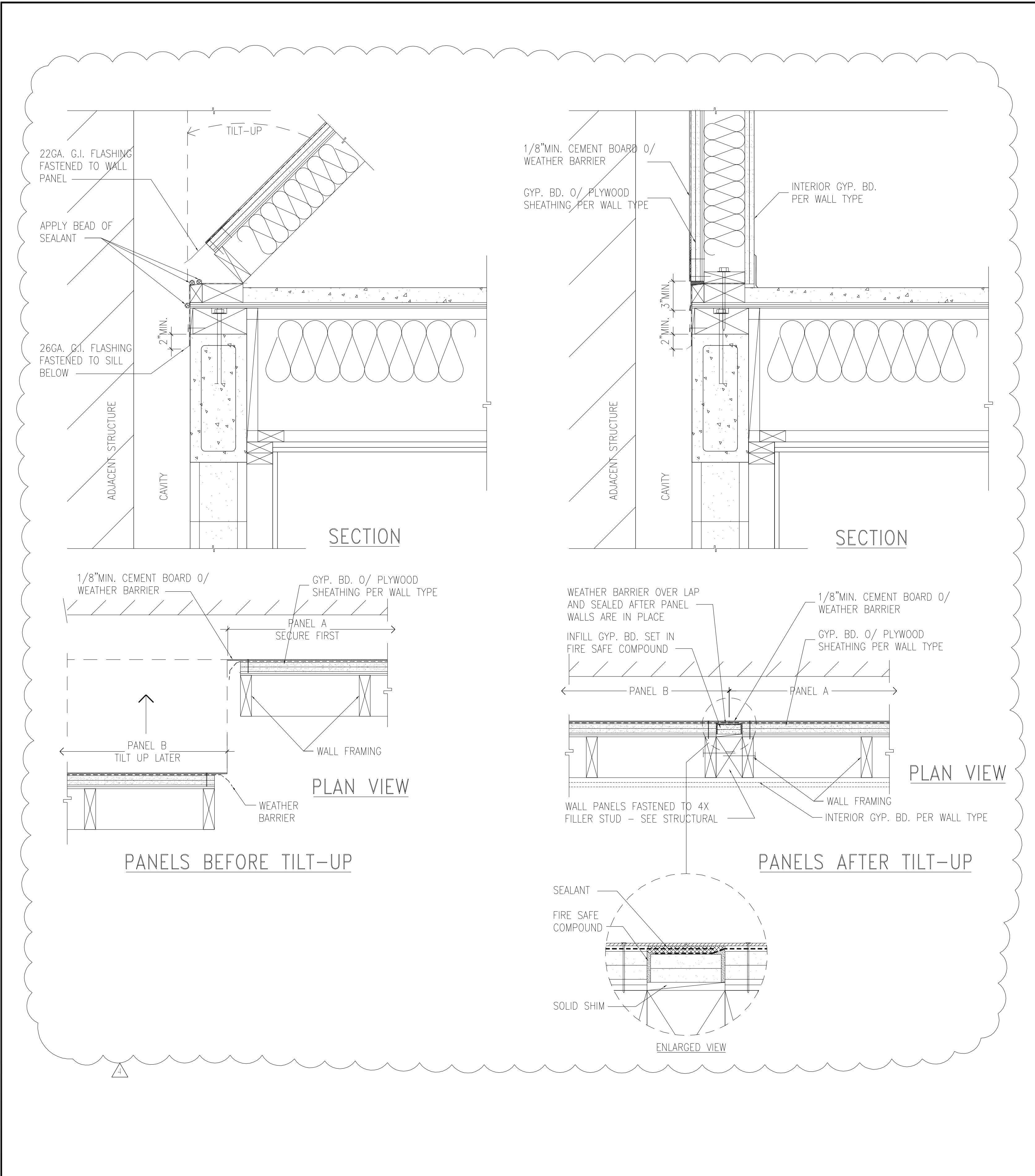
DRAWING TITLE:
 ELEVATIONS

DRAWN BY:
 DATE DATE:
 01/10/2019

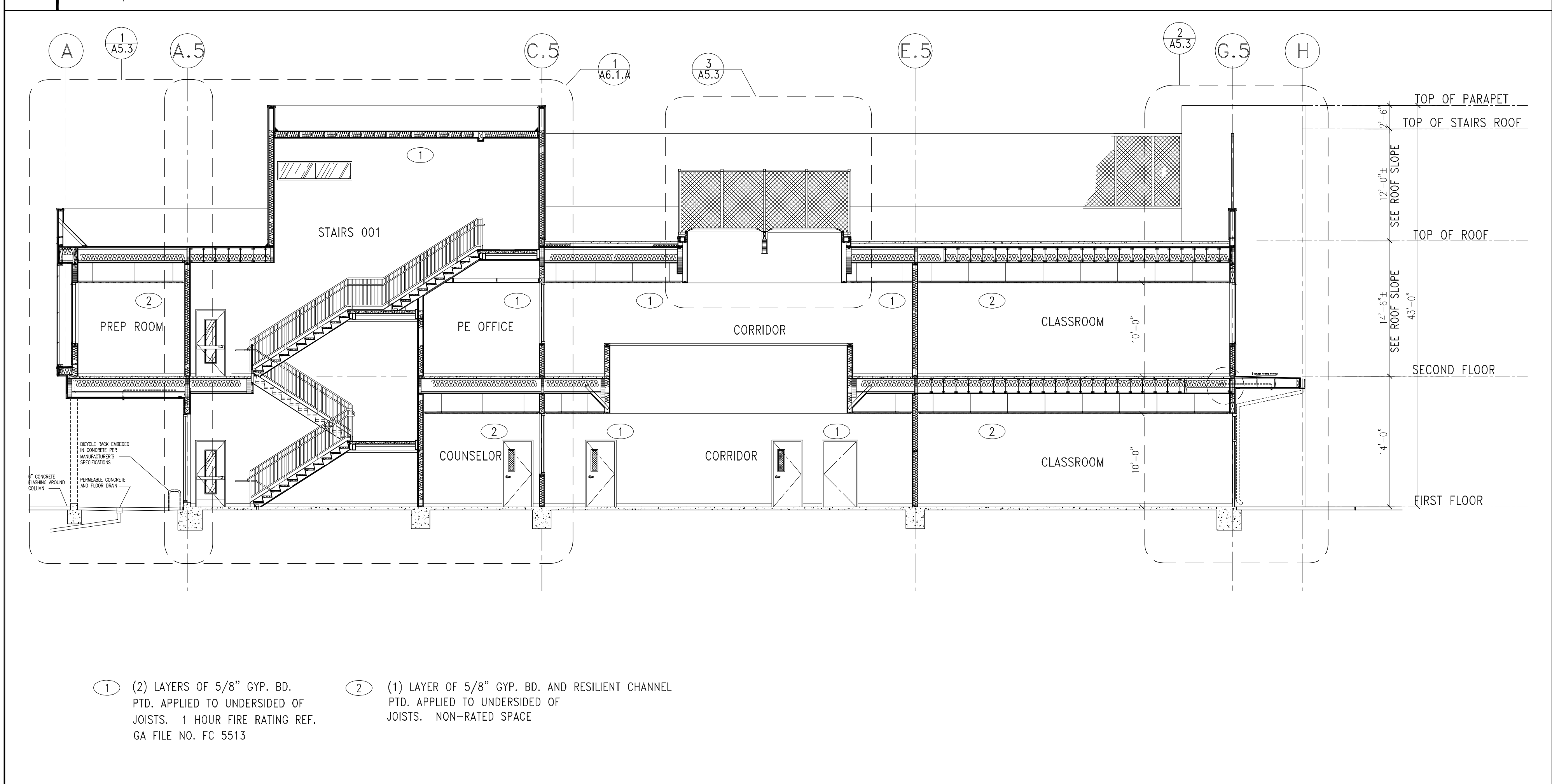
JOB NUMBER:
 DRAWING SCALE:
 AS NOTED

ISSUED BY:
 DRAWING NUMBER:

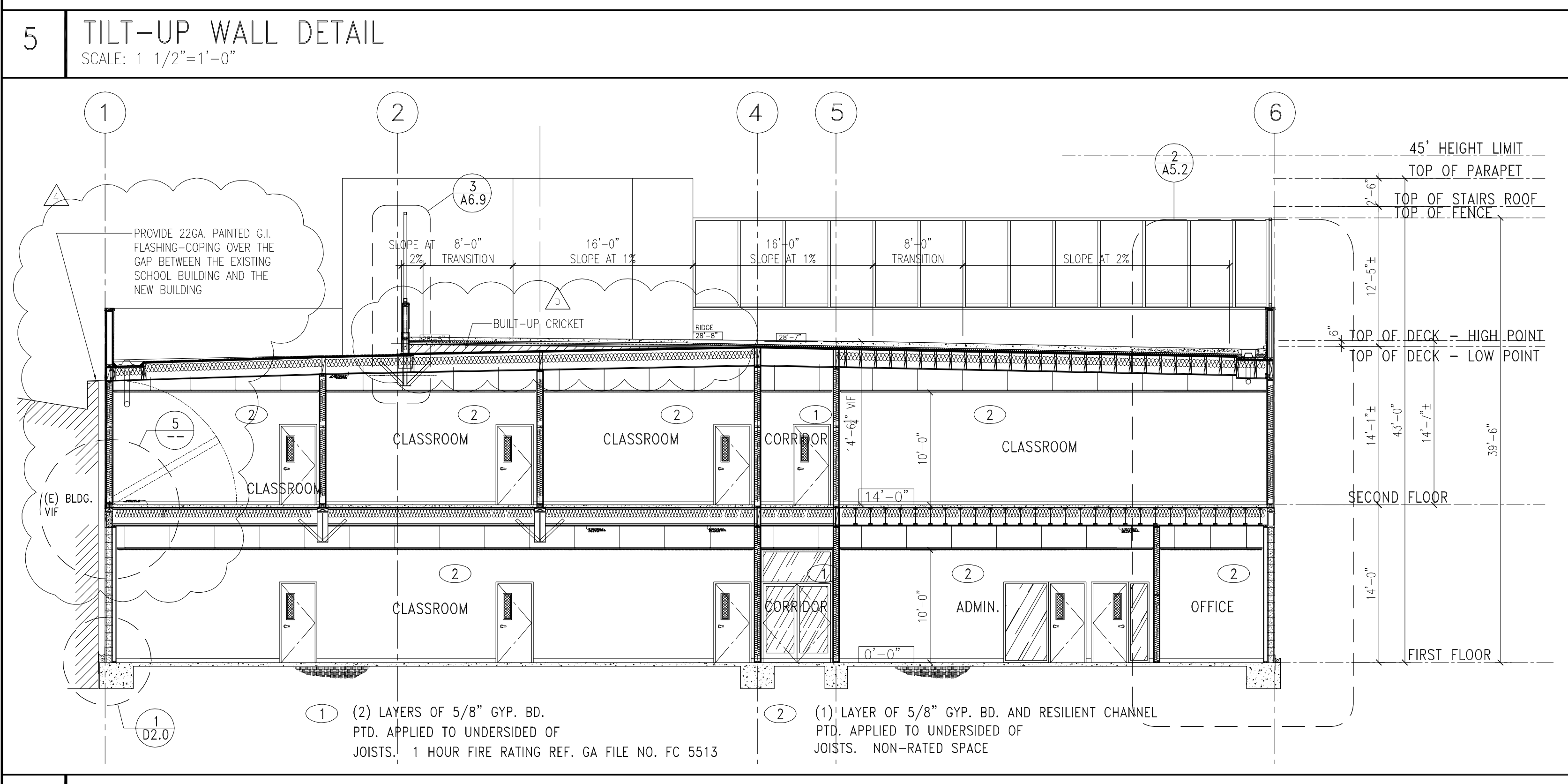
A4.1



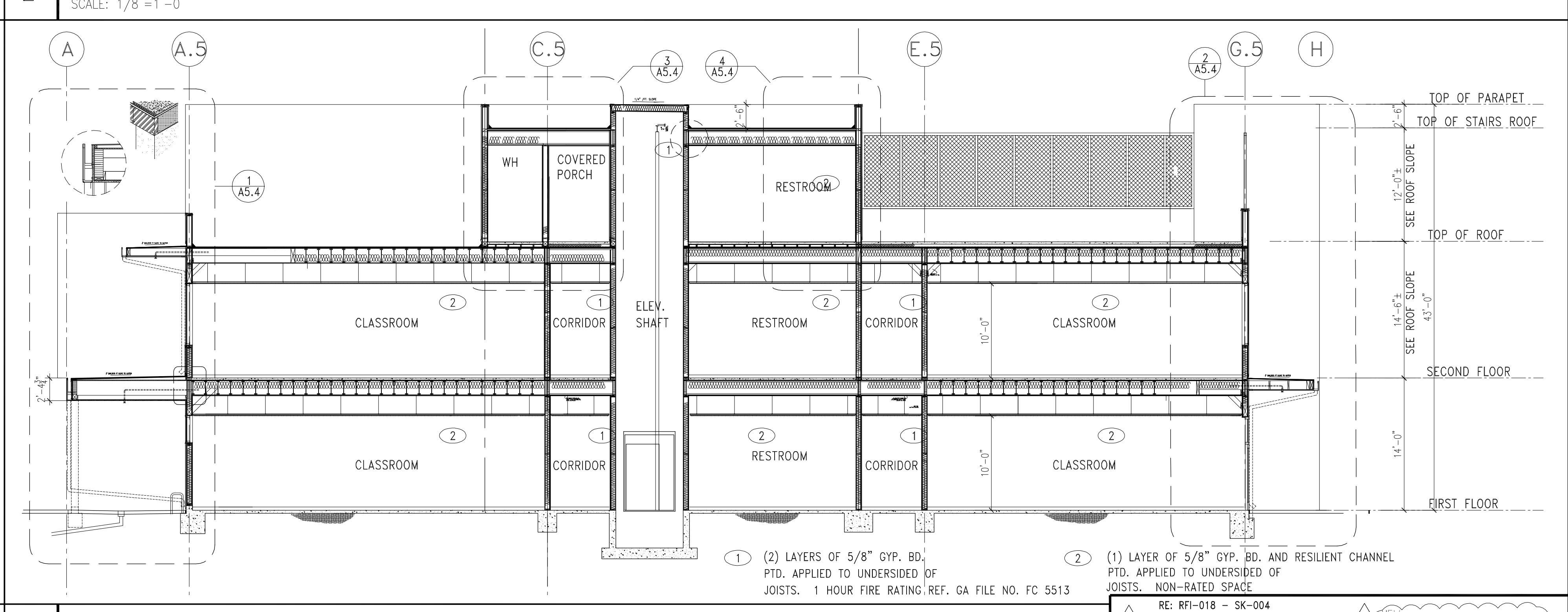
1 BUILDING SECTION
SCALE: 1/8"=1'-0"



2 BUILDING SECTION
SCALE: 1/8"=1'-0"



4 BUILDING SECTION
SCALE: 1/8"=1'-0"

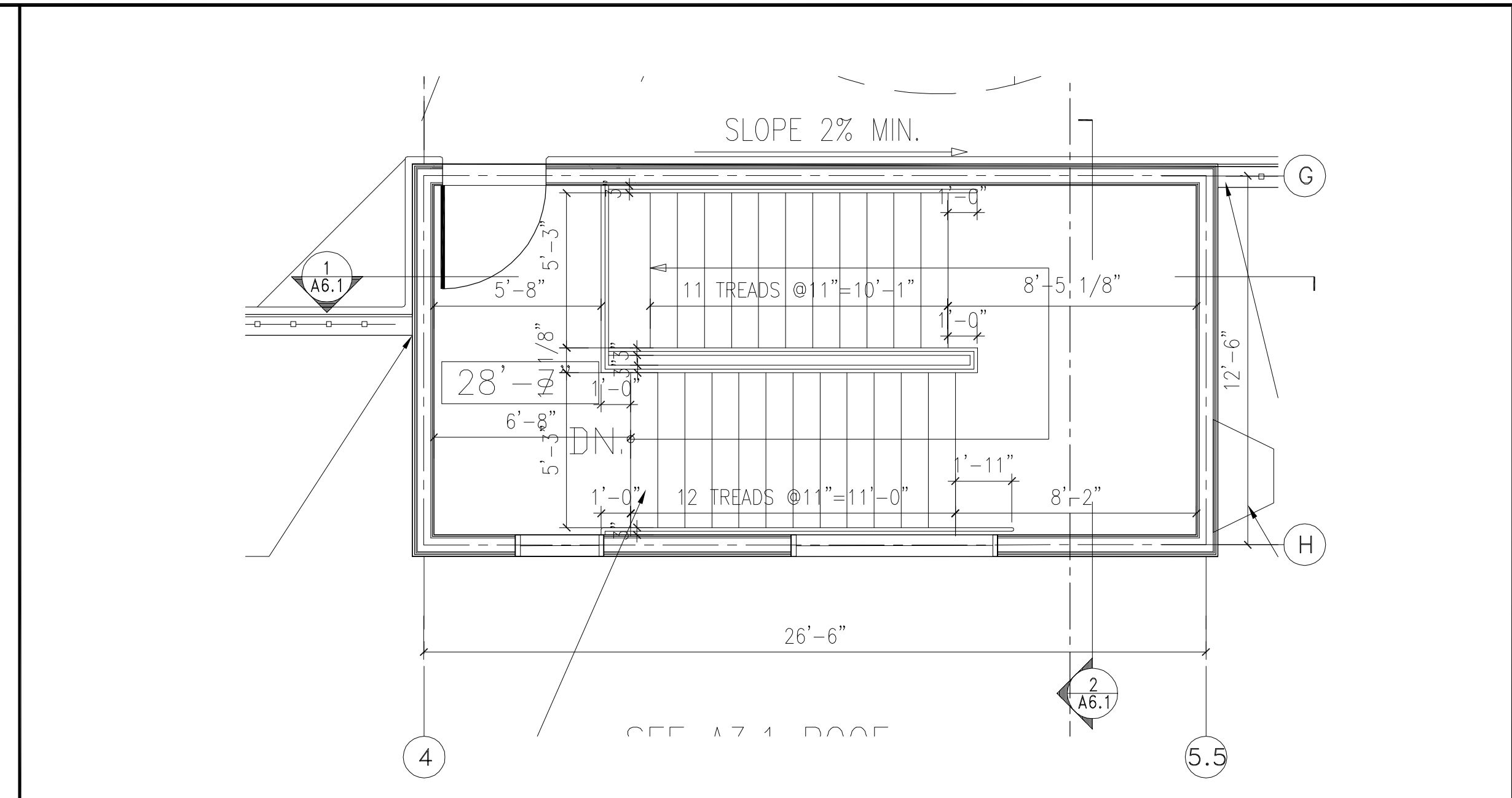
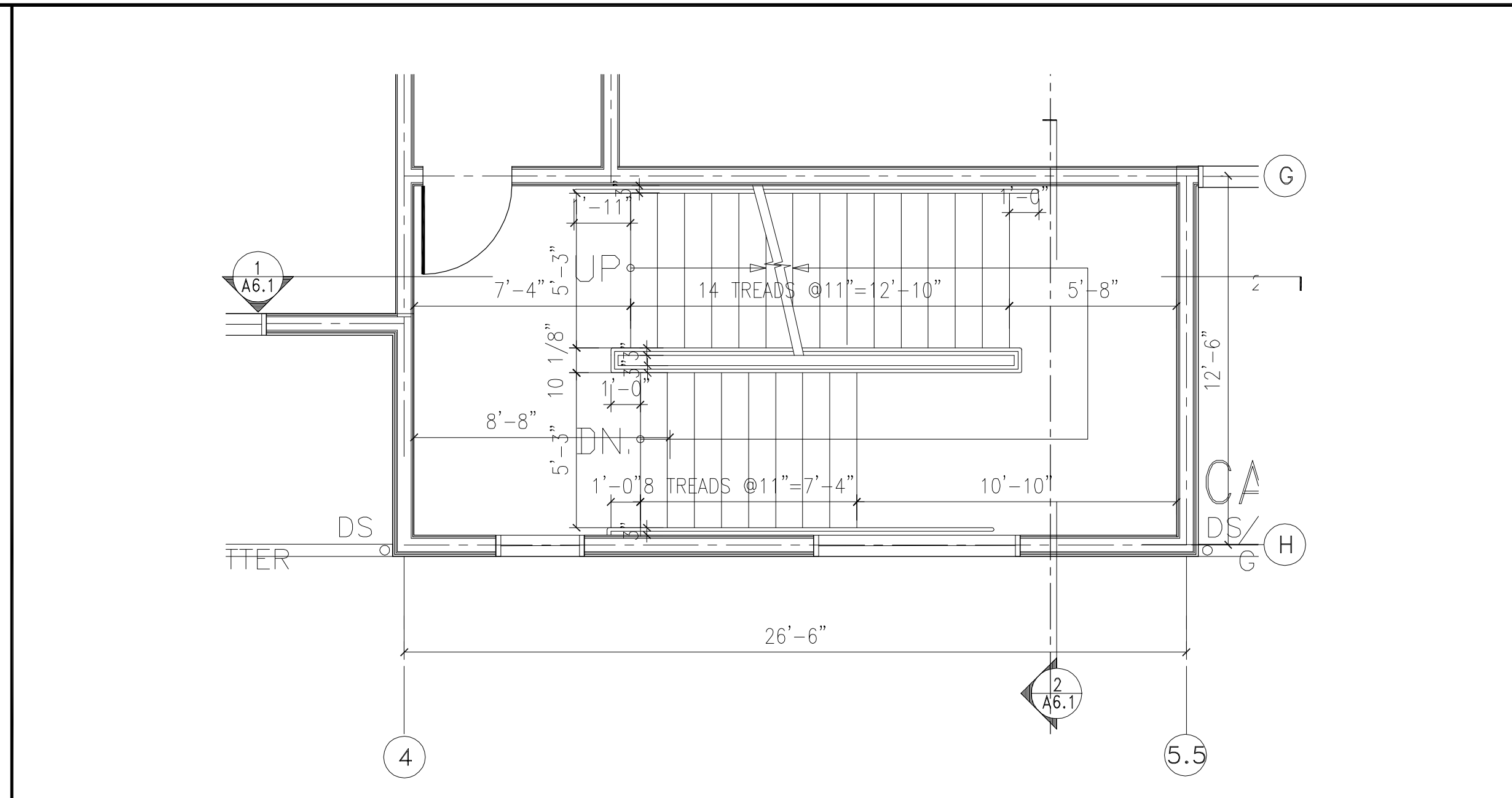
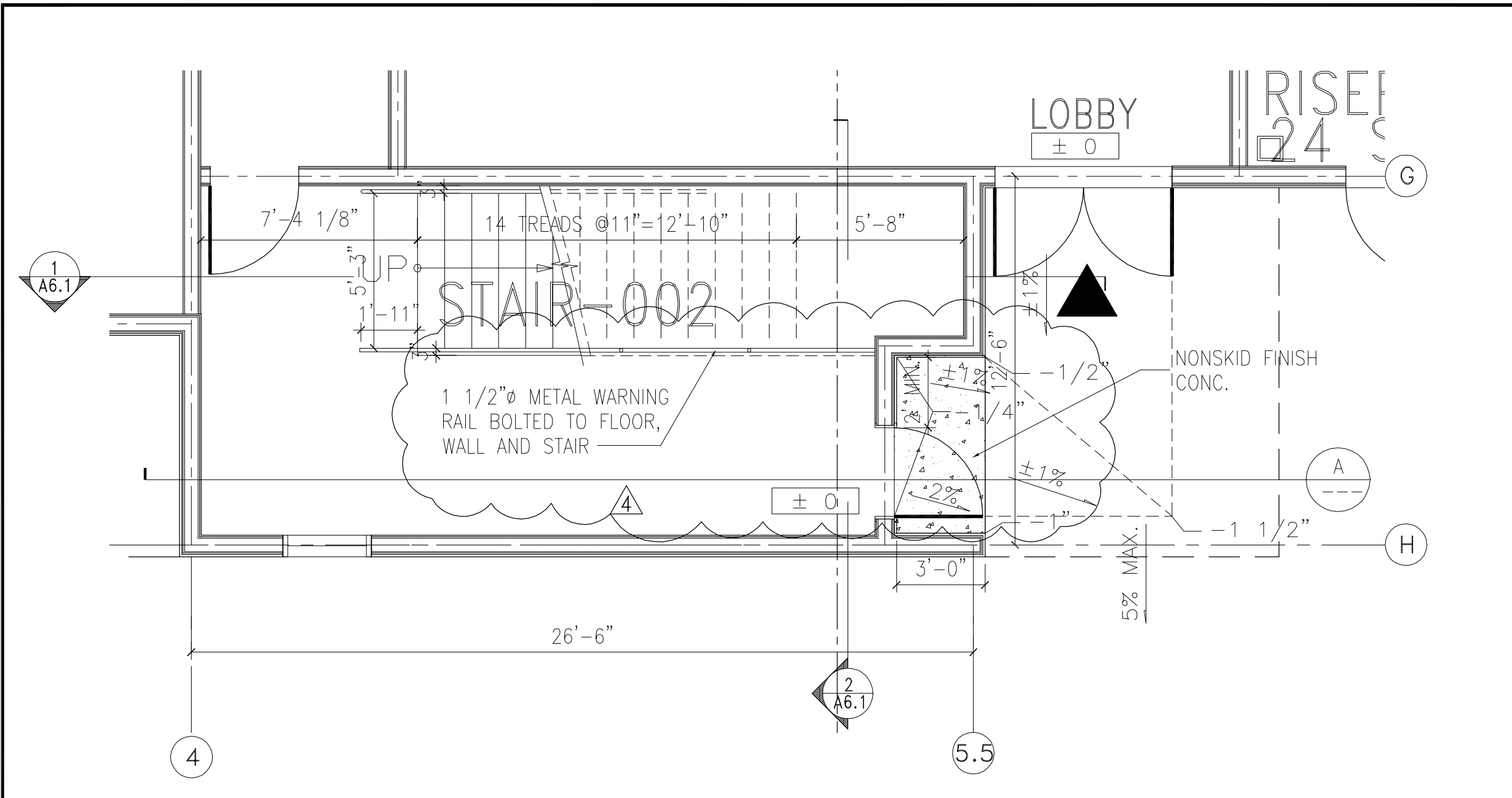


3 BUILDING SECTION
SCALE: 1/8"=1'-0"

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	PTD PLAN CHECK	9/31/2017
3	PTD PLAN CHECK	2/14/2018
4	CLARIFICATION OF PROVISIONS	01/10/2019
5	COORDINATION BUILDLING 3	01/10/2019



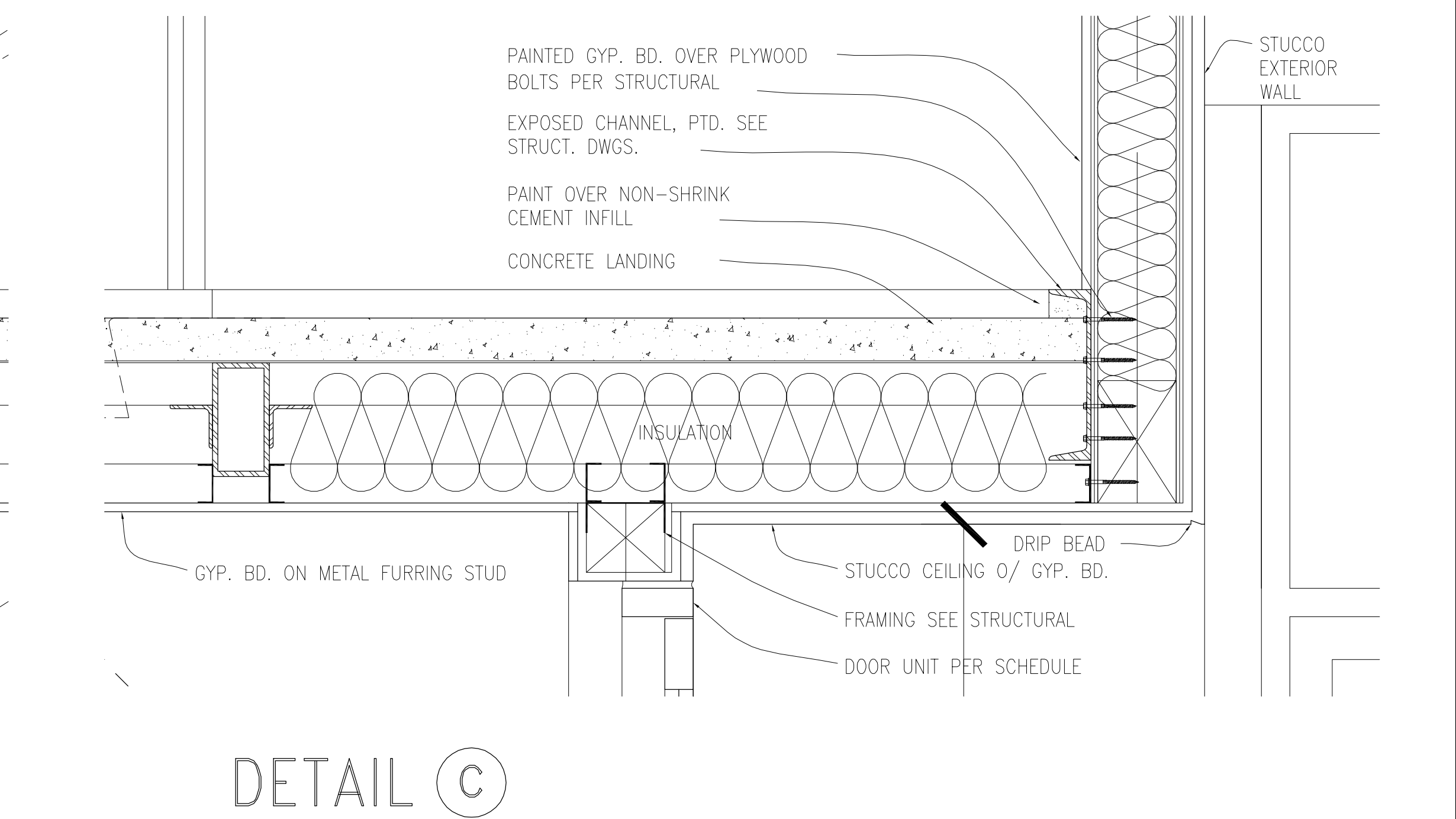
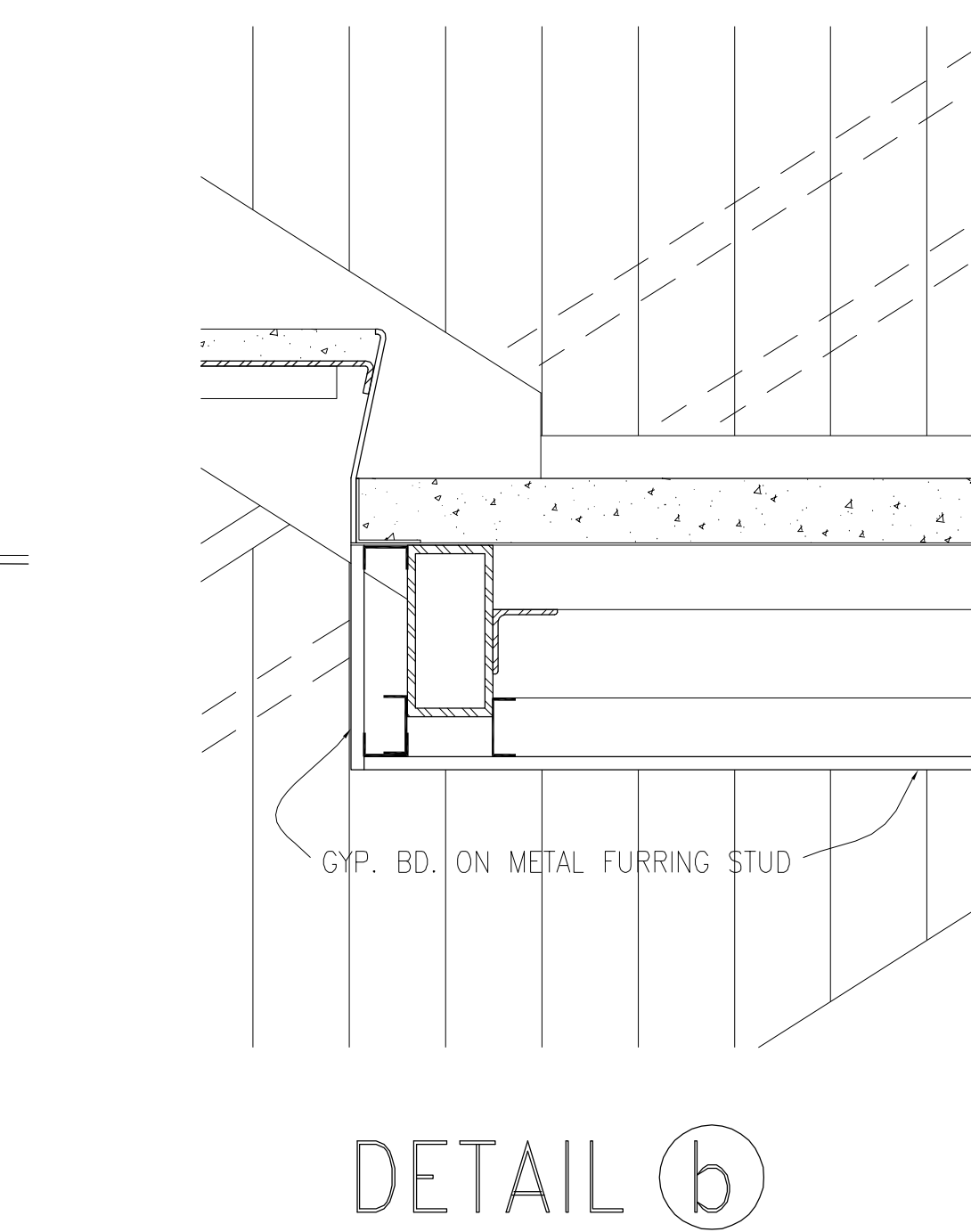
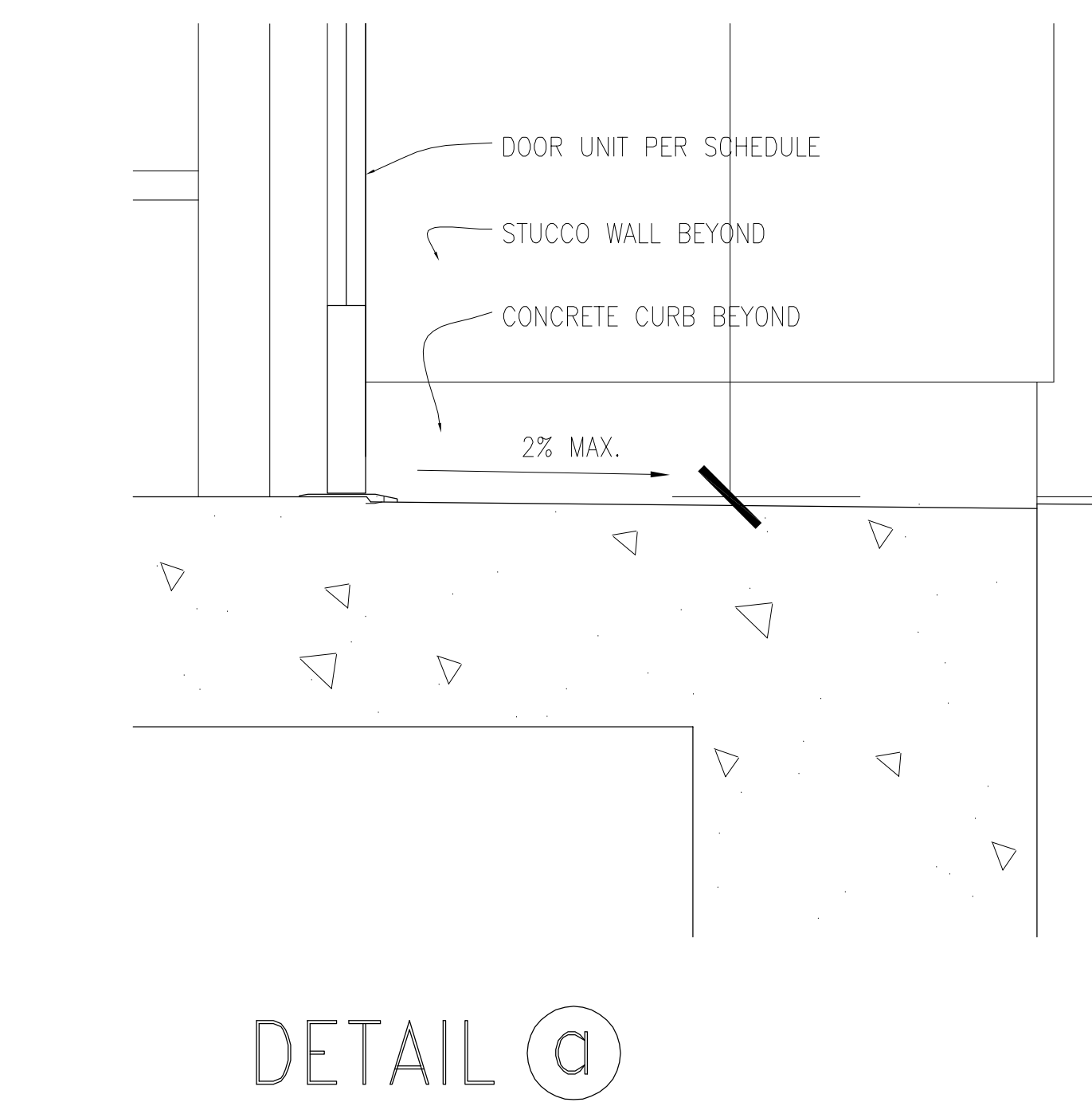
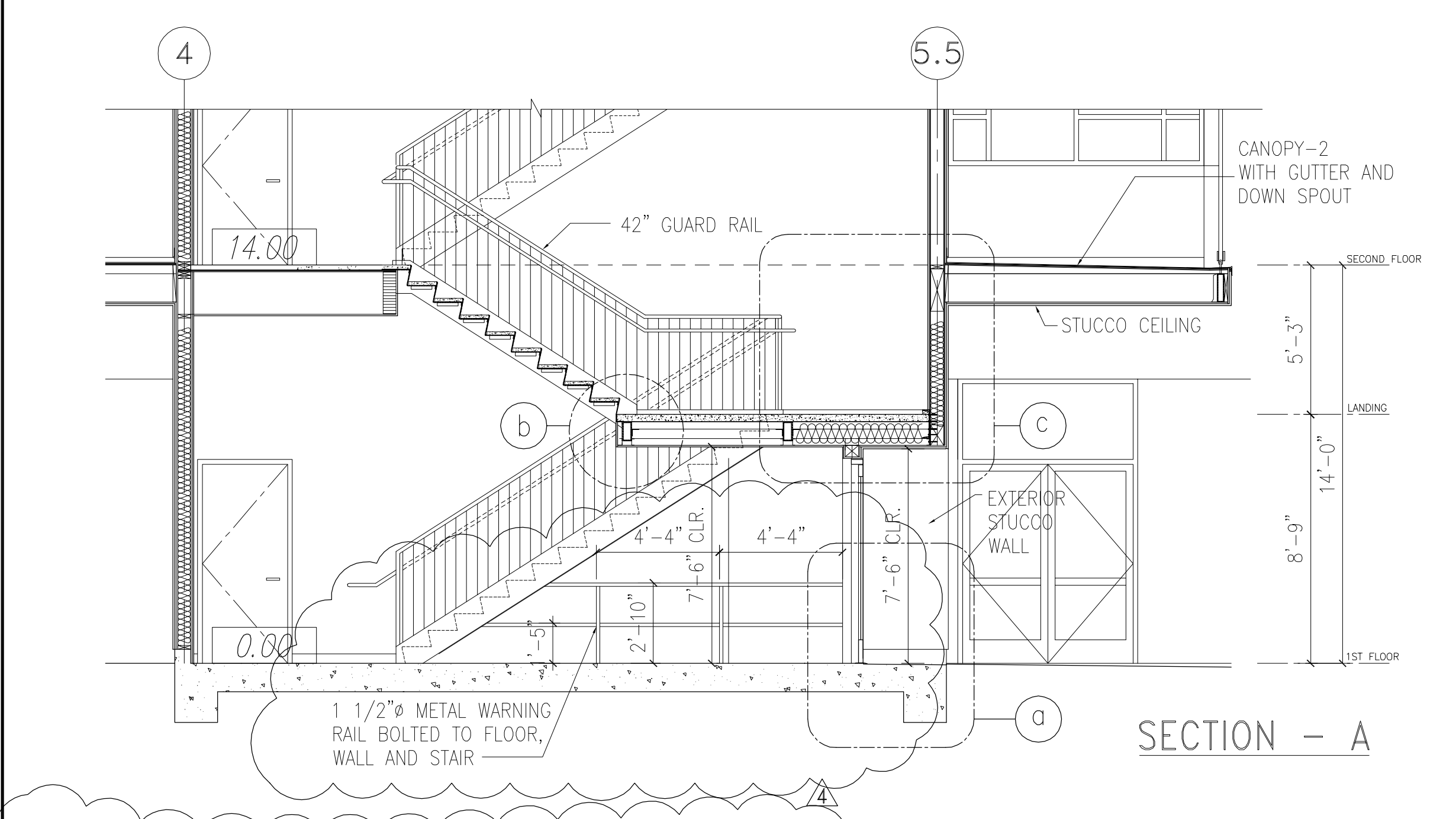
PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	SECTIONS AND DETAILS
DRAWN BY	AS NOTED
DATE	01/10/2019
ISSUE DATE	AS NOTED
SCALE	AS NOTED
DATE	01/10/2019
SCALE	AS NOTED
DATE	01/10/2019
SCALE	AS NOTED



1 STAIR NO. 002 - 1ST FLOOR
SCALE: 1/4" = 1'-0"

2 STAIR NO. 002 - SECOND FLOOR
SCALE: 1/4" = 1'-0"

3 STAIR NO. 002 - ROOF LEVEL
SCALE: 1/4" = 1'-0"

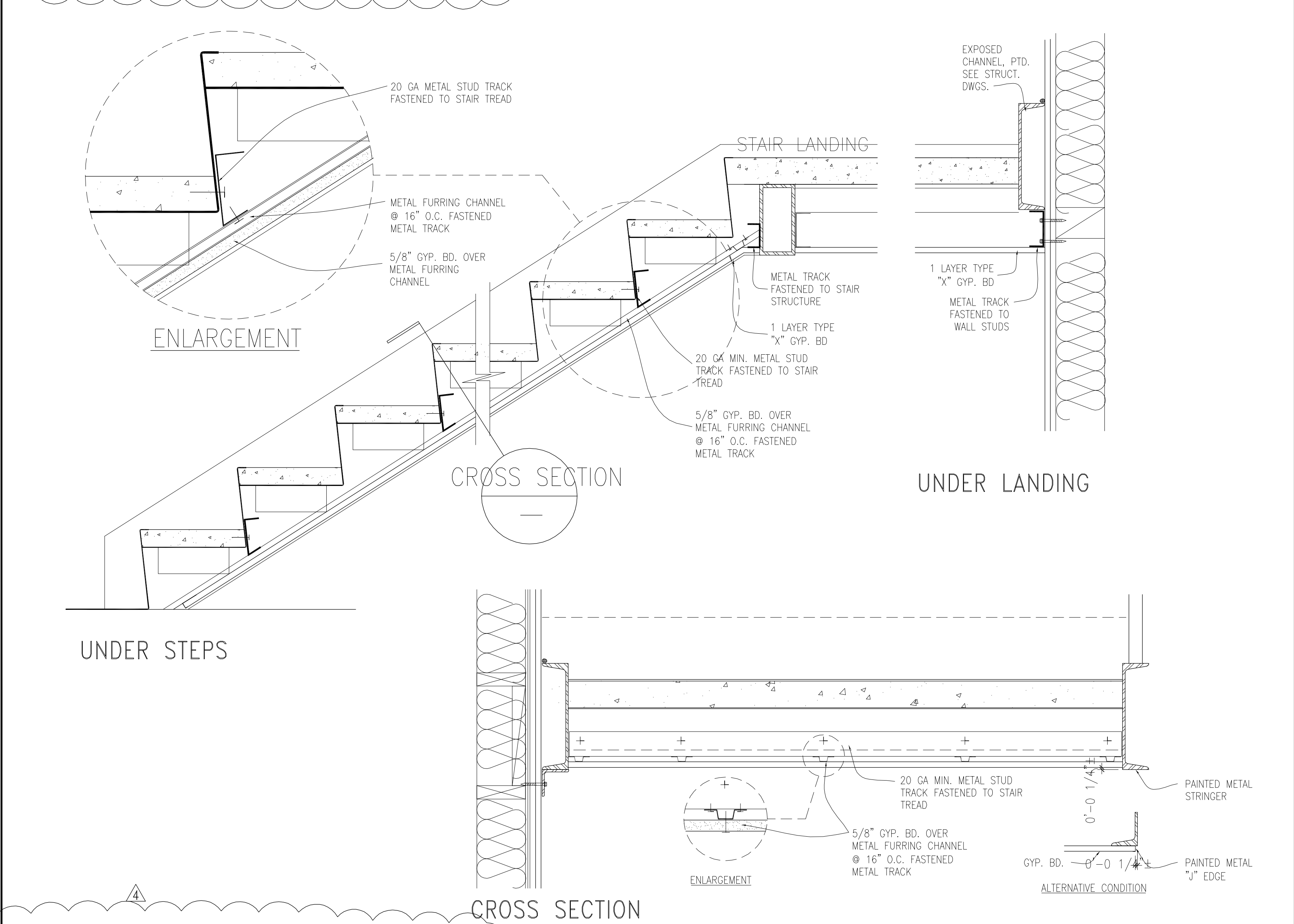


A STAIR NO. 002 - 1ST FLOOR SECTION
NTS

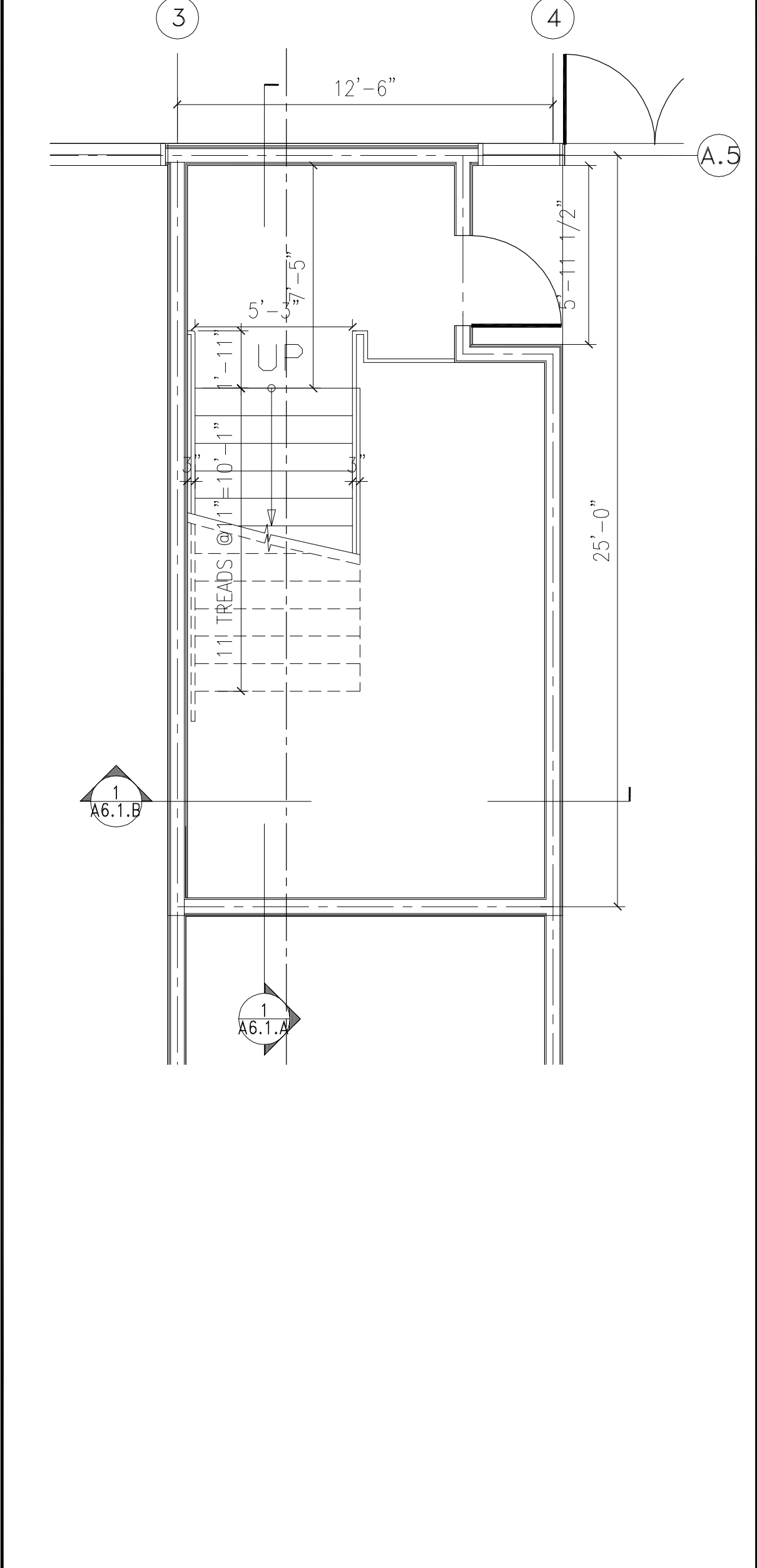
DETAIL a

DETAIL b

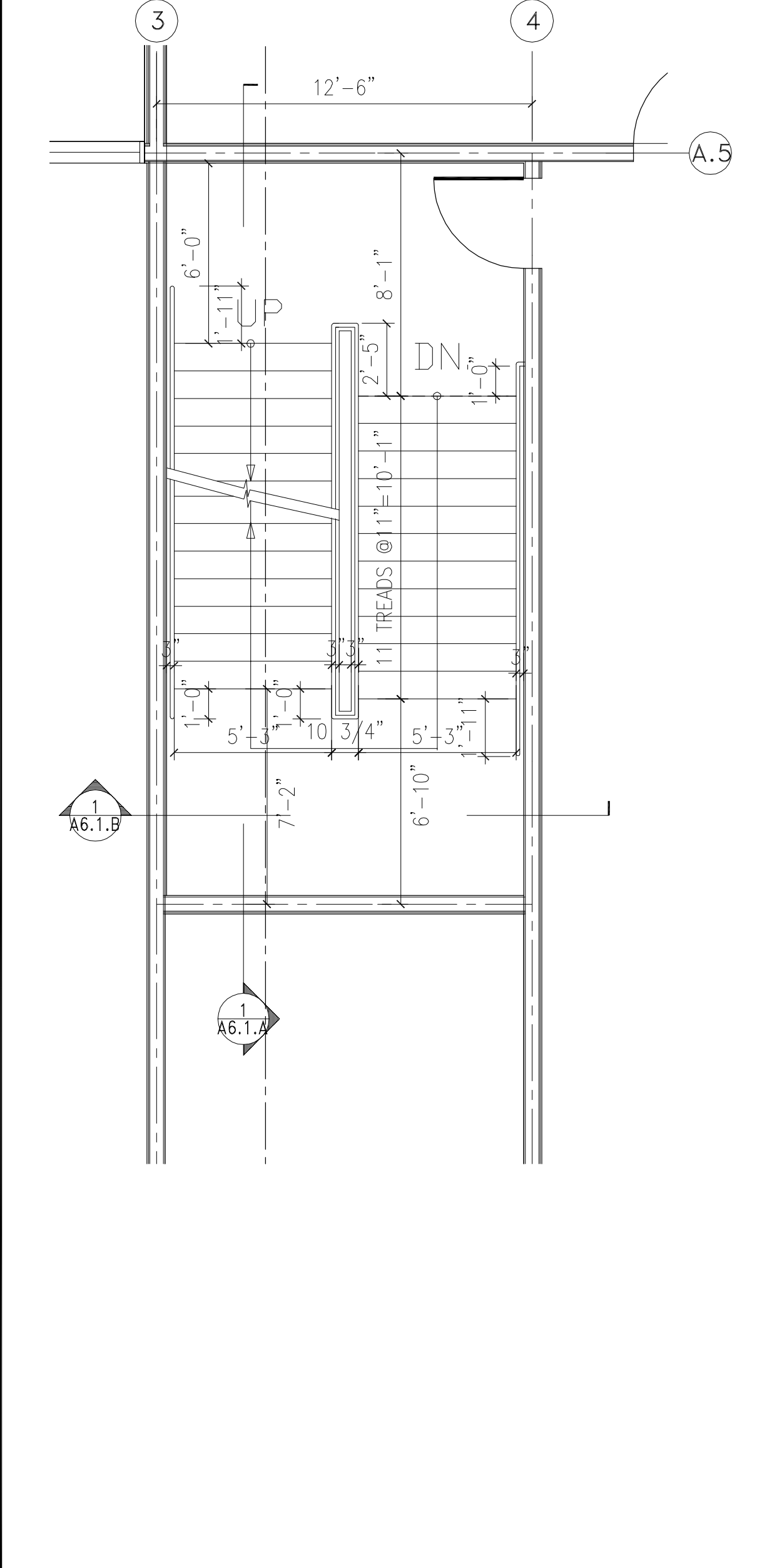
DETAIL c



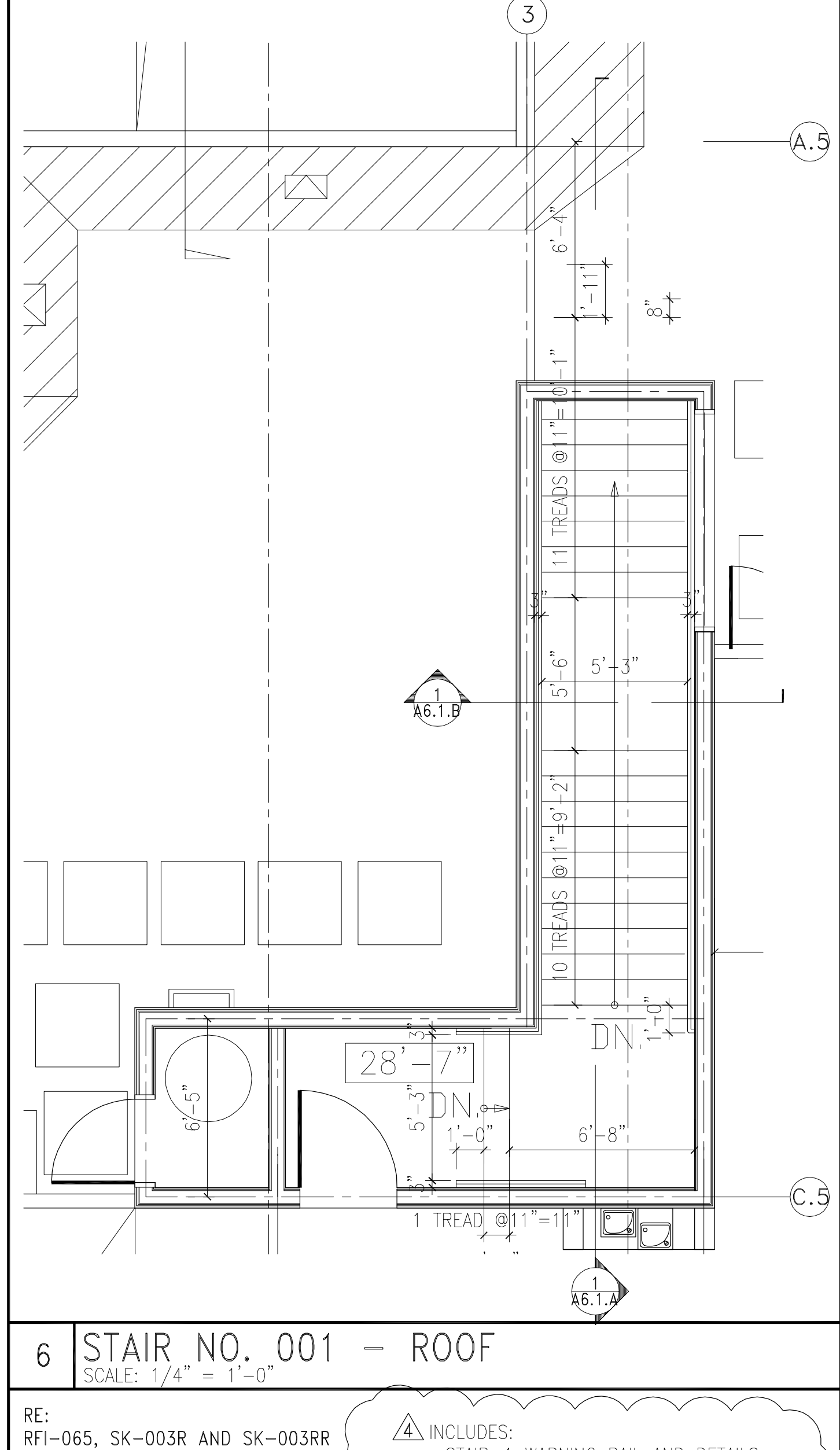
B TYPICAL UNDER STAIR FURRING DETAIL
NTS



4 STAIR NO. 001 - FIRST FLOOR
SCALE: 1/4" = 1'-0"



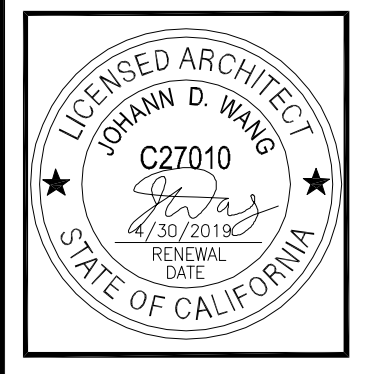
5 STAIR NO. 001 - SECOND FLOOR
SCALE: 1/4" = 1'-0"



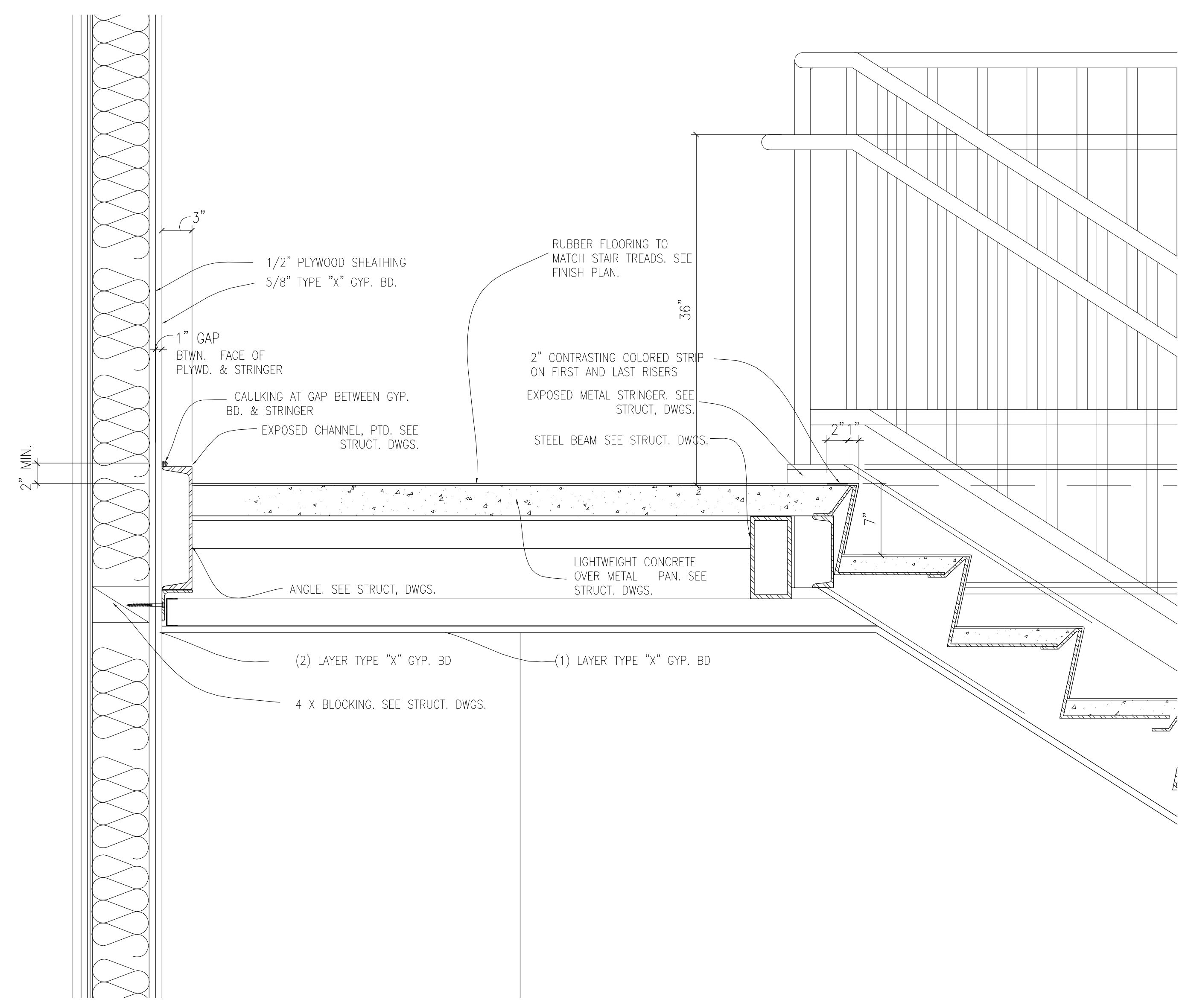
6 STAIR NO. 001 - ROOF
SCALE: 1/4" = 1'-0"

INCLUDES:
STAIR-1 WARNING RAIL AND DETAILS
STAIR UNDERSIDE FURRING DETAILS

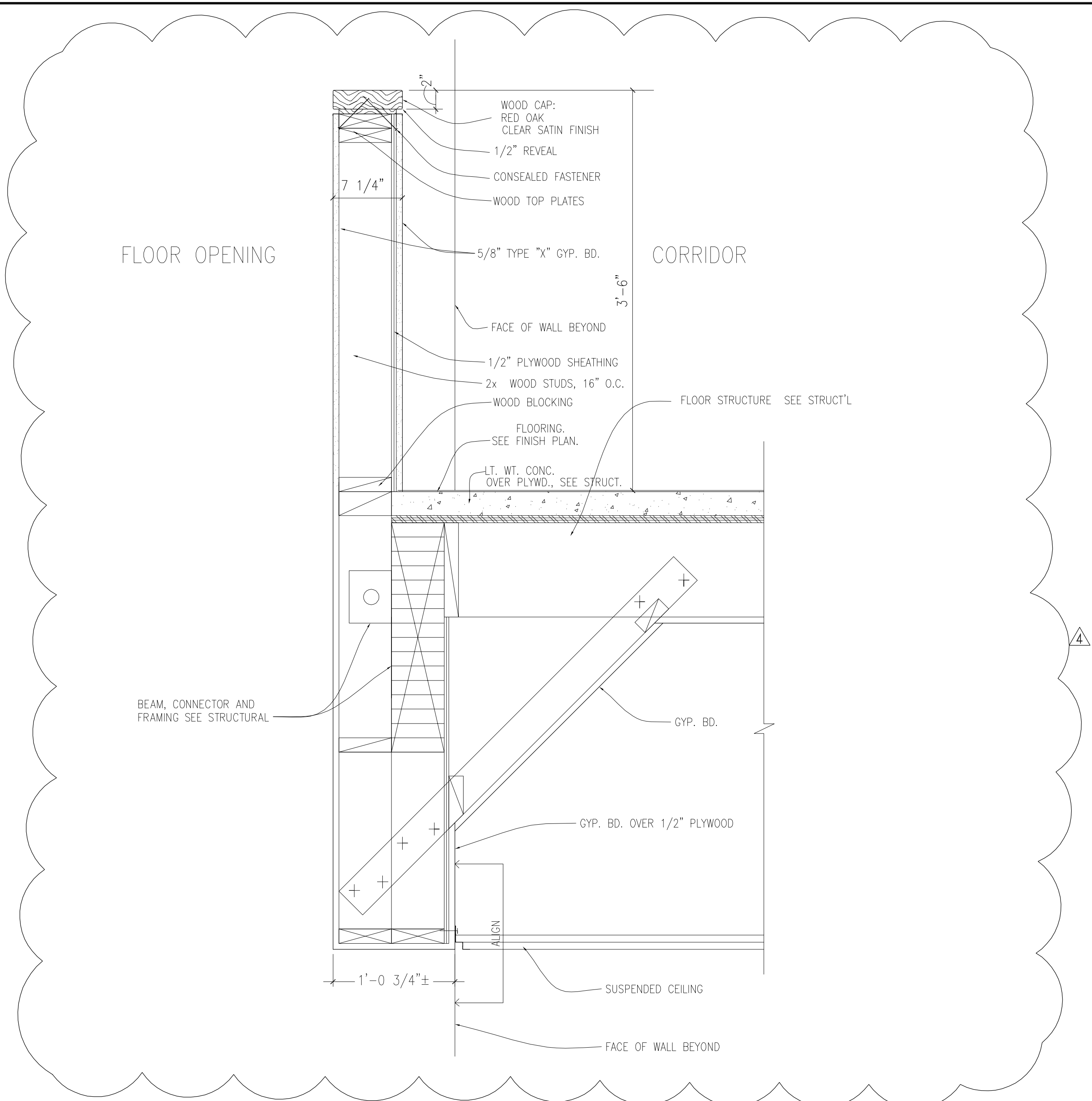
REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	TD PLAN CHECK	6/31/2017
3	TD PLAN CHECK	12/14/2017
4	REWORK TPC & STAIR RISER	12/02/2018
5	SUMMARY OF CHANGES	01/10/2019



PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	STAIR PLANS
DRAWN BY	AS NOTED
DATE	01/10/2019
SCALE	AS NOTED
DRAWING NUMBER	A6.0



NOTE: ALL EXPOSED STL. TO BE PAINTED. COLOR T.B.D.

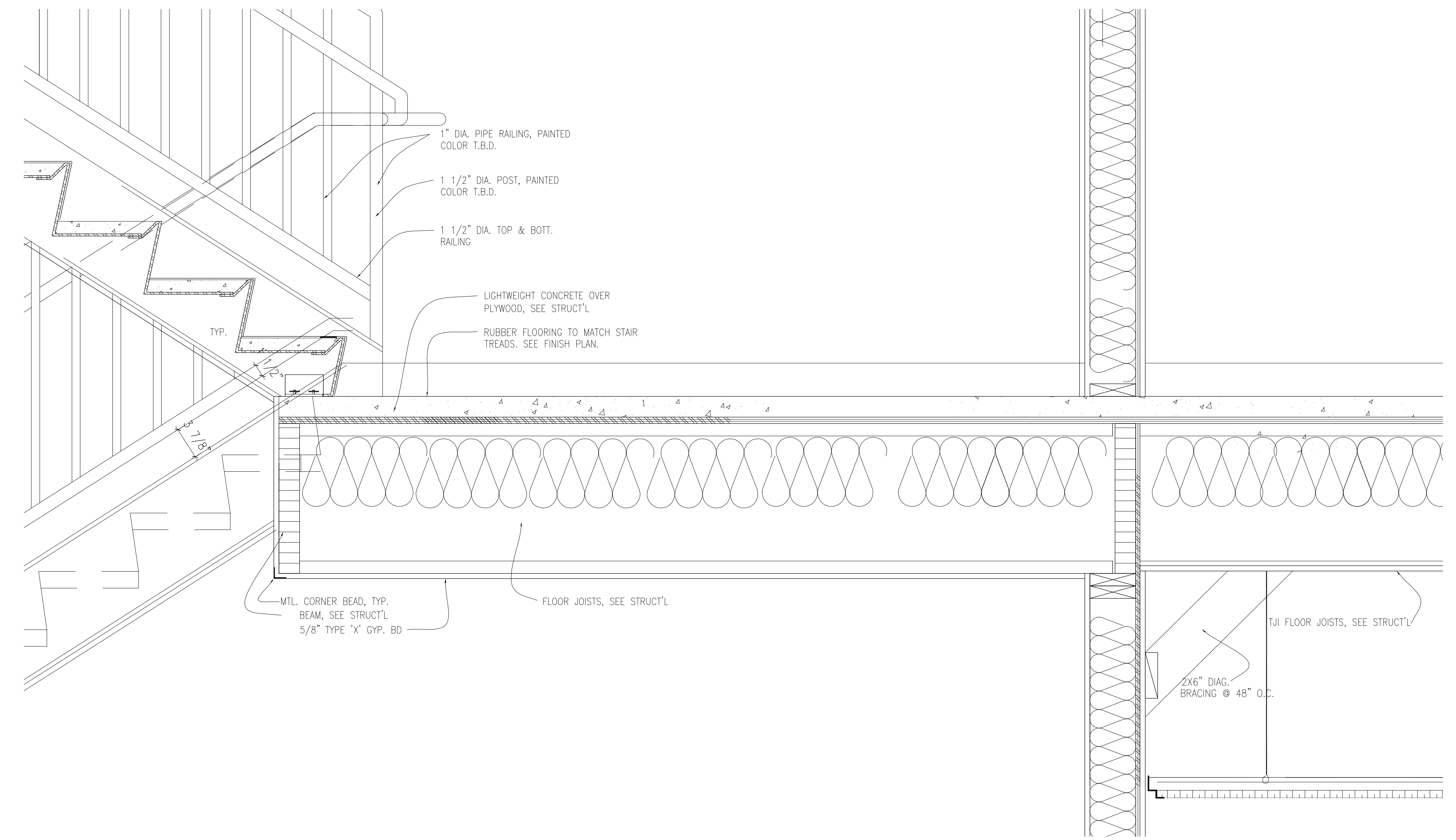
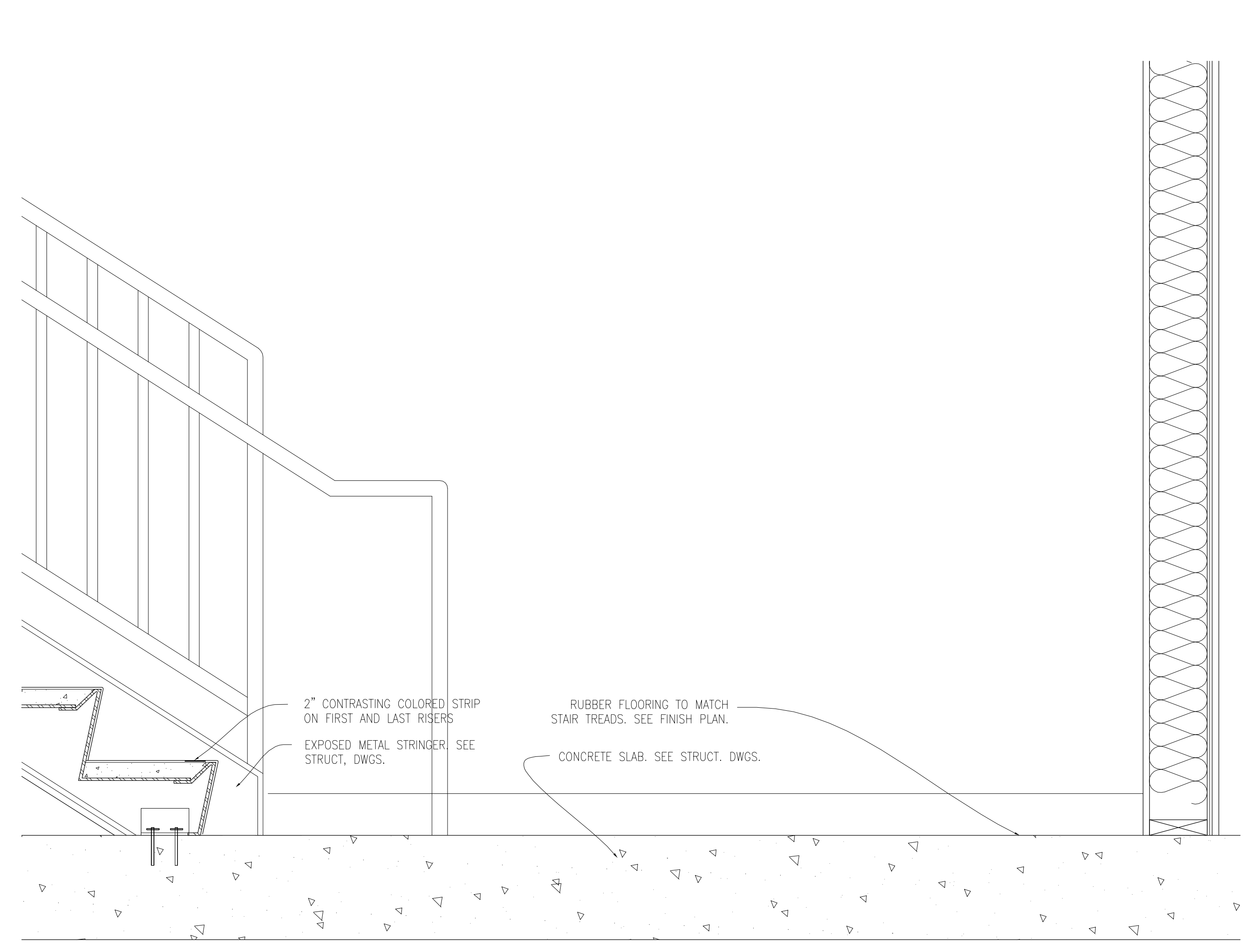


RE: RFI-129

▲. ATRIUM LOW WALL DETAIL

1 STAIRS INTERMEDIATE LANDING
SCALE: 1 1/2" = 1'-0"

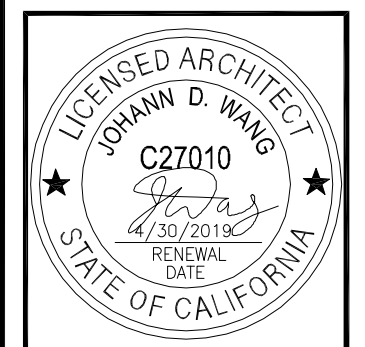
2 LOW WALL DETAIL
SCALE: 1 1/2" = 1'-0"



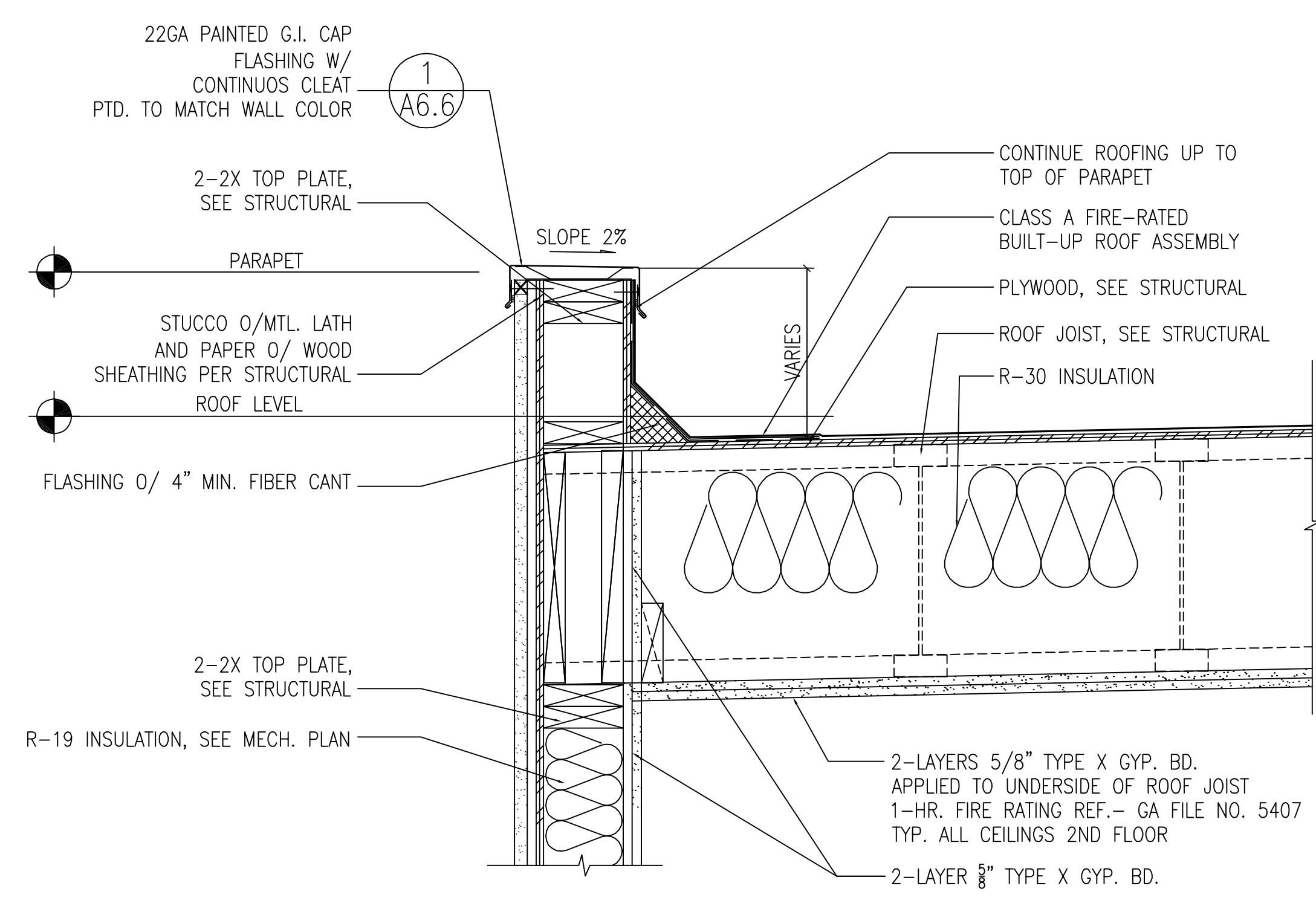
3 STAIRS INTERMEDIATE LANDING
SCALE: 1 1/2" = 1'-0"

4 STAIRS INTERMEDIATE LANDING
SCALE: 1 1/2" = 1'-0"

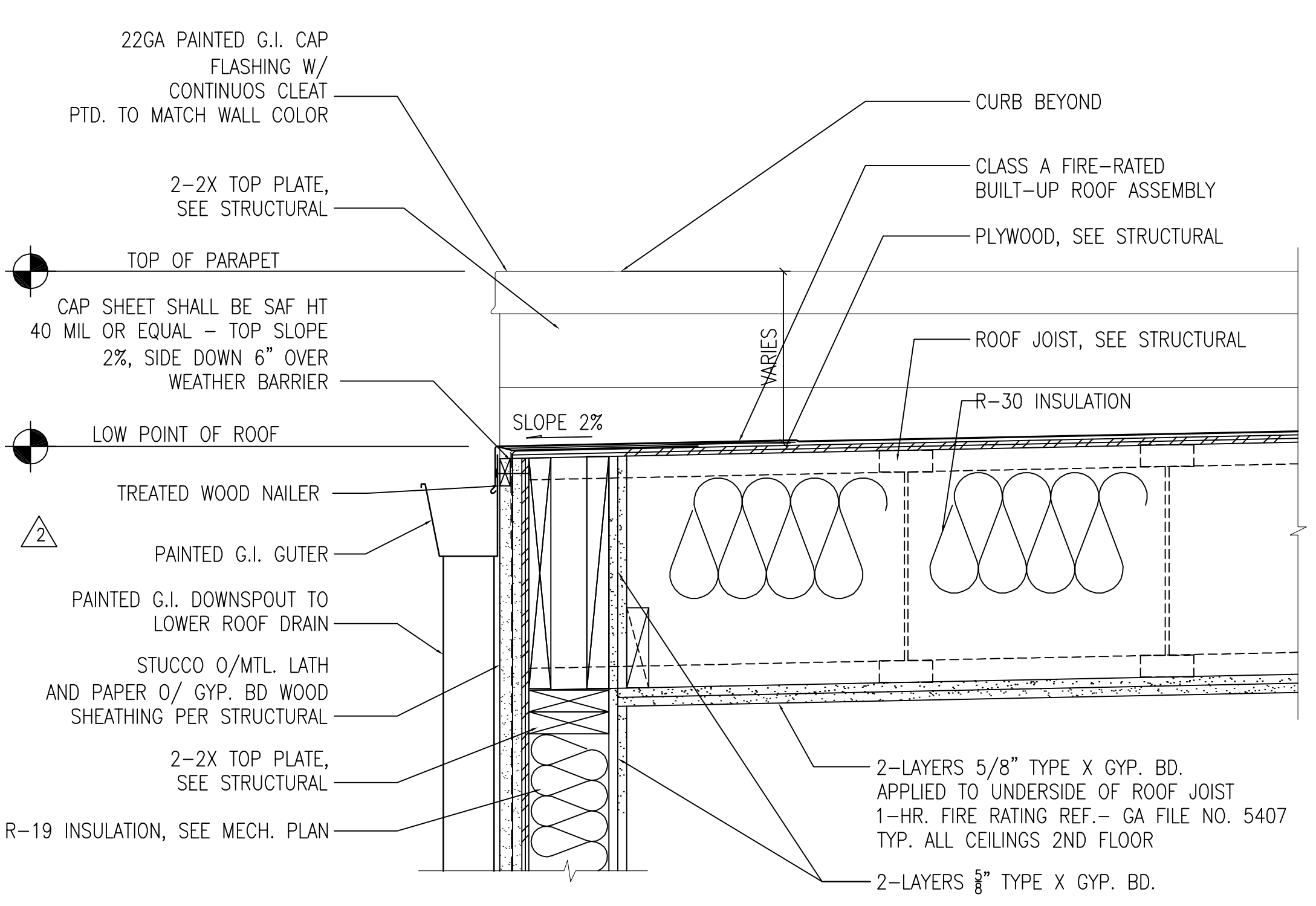
REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	TD PLAN CHECK	9/31/2017
3	TD PLAN CHECK	12/14/2017
4	SUMMARY OF CHANGES	01/10/2019



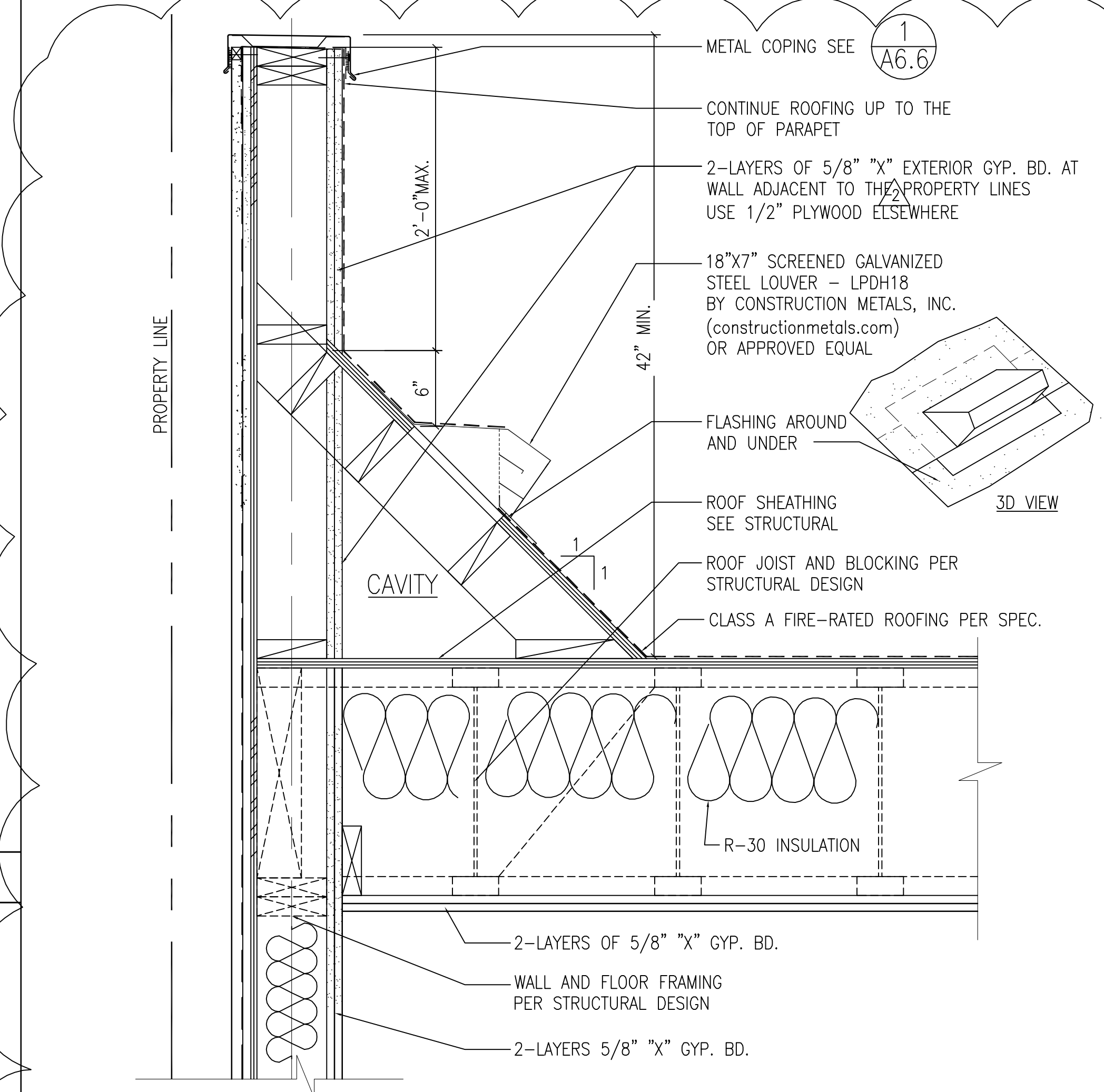
PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	STAIR SECTIONS AND DETAILS
DRAWN BY	ISSUE DATE
01/10/2019	
JOB NUMBER	DRAWING SCALE
AS NOTED	
APPROVED BY	
DRAWING NUMBER	



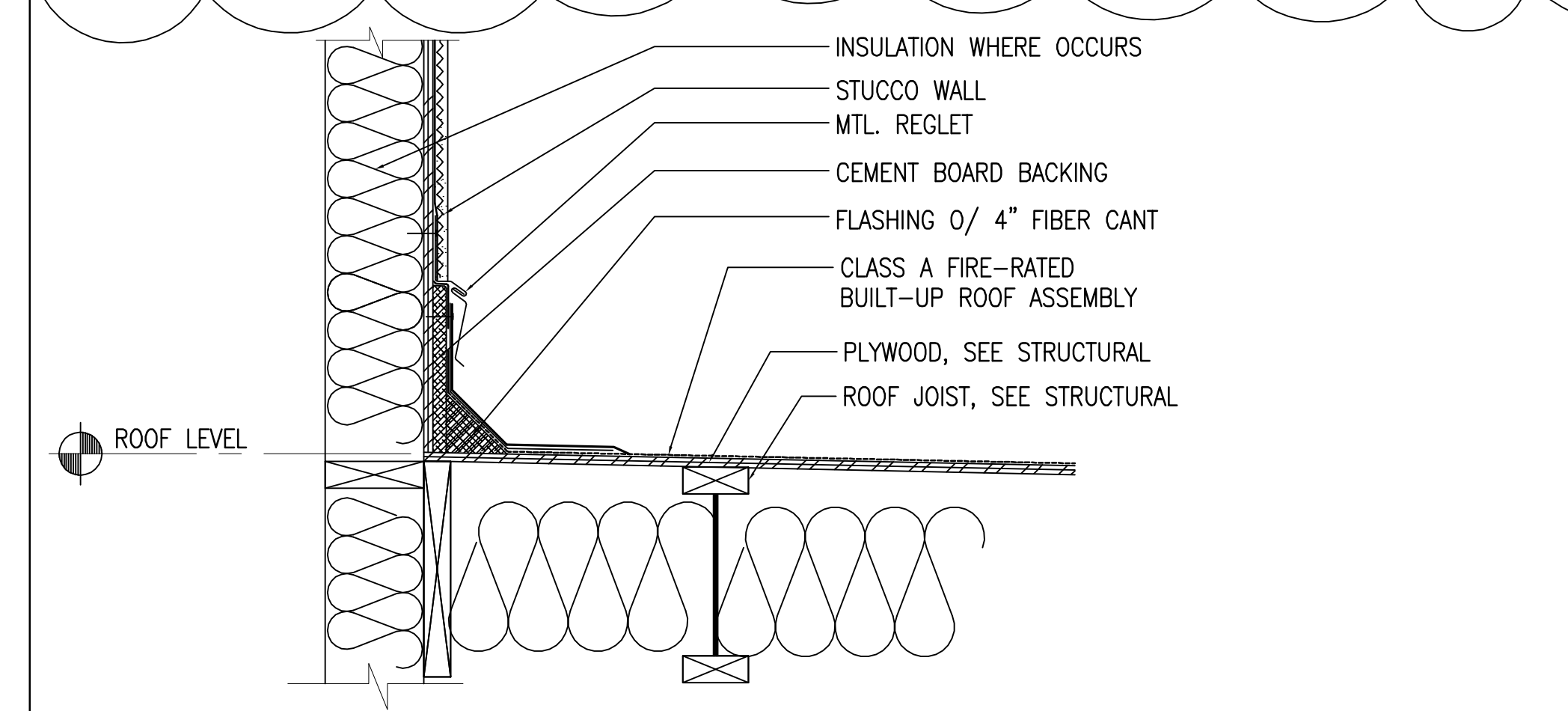
1 ROOF CURB



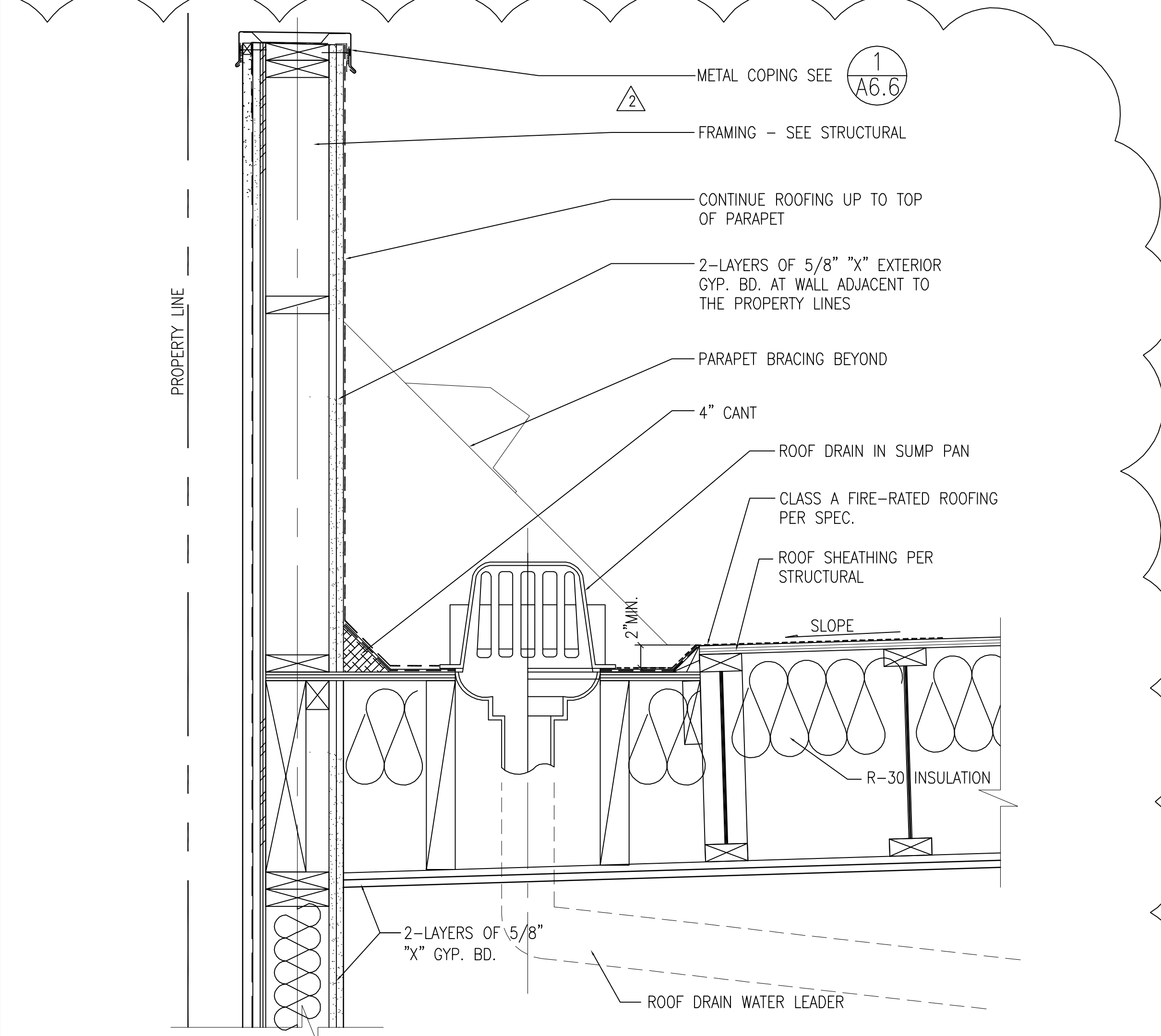
4 ROOF SIDE DRAIN



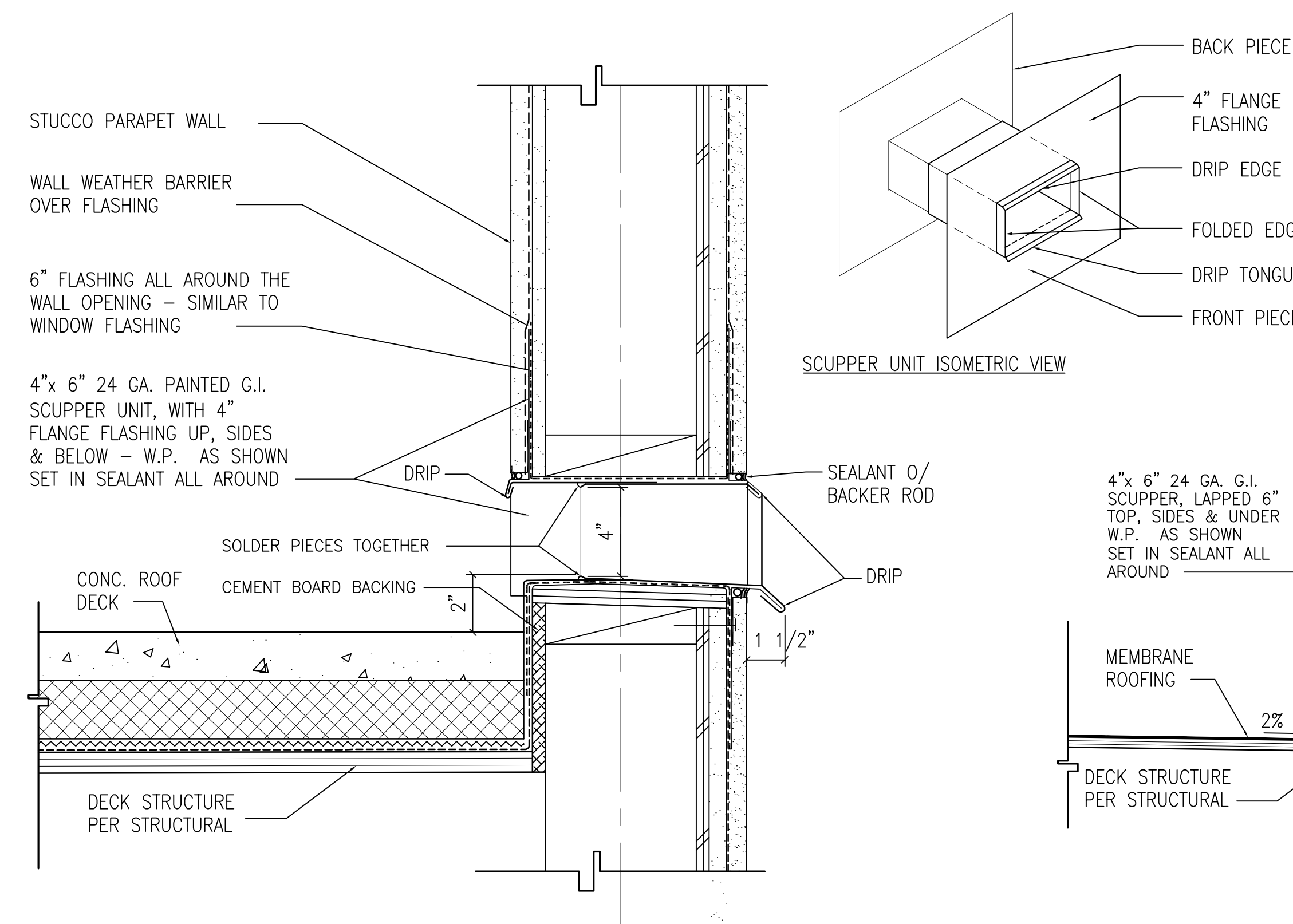
2 PARAPET AND ROOF



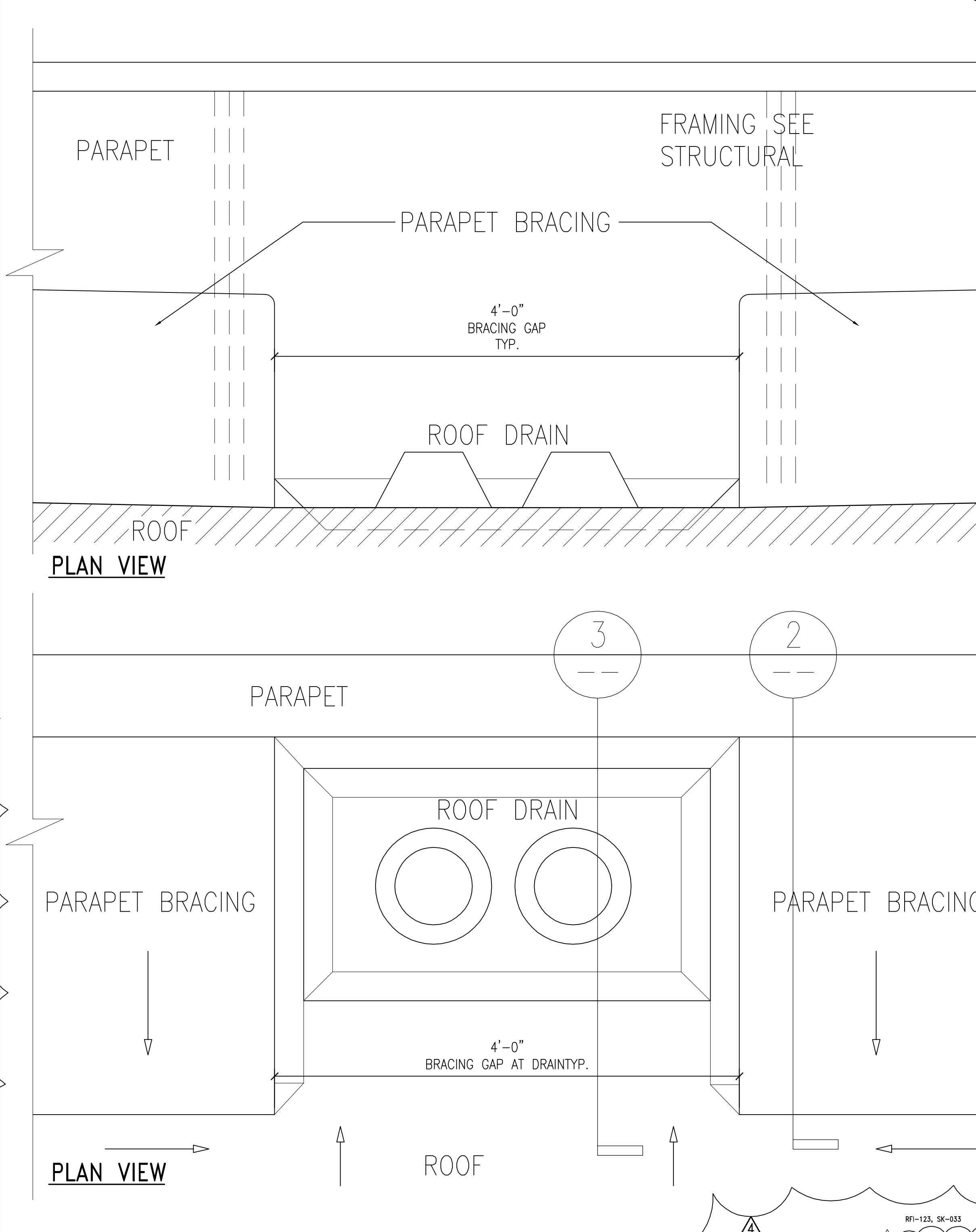
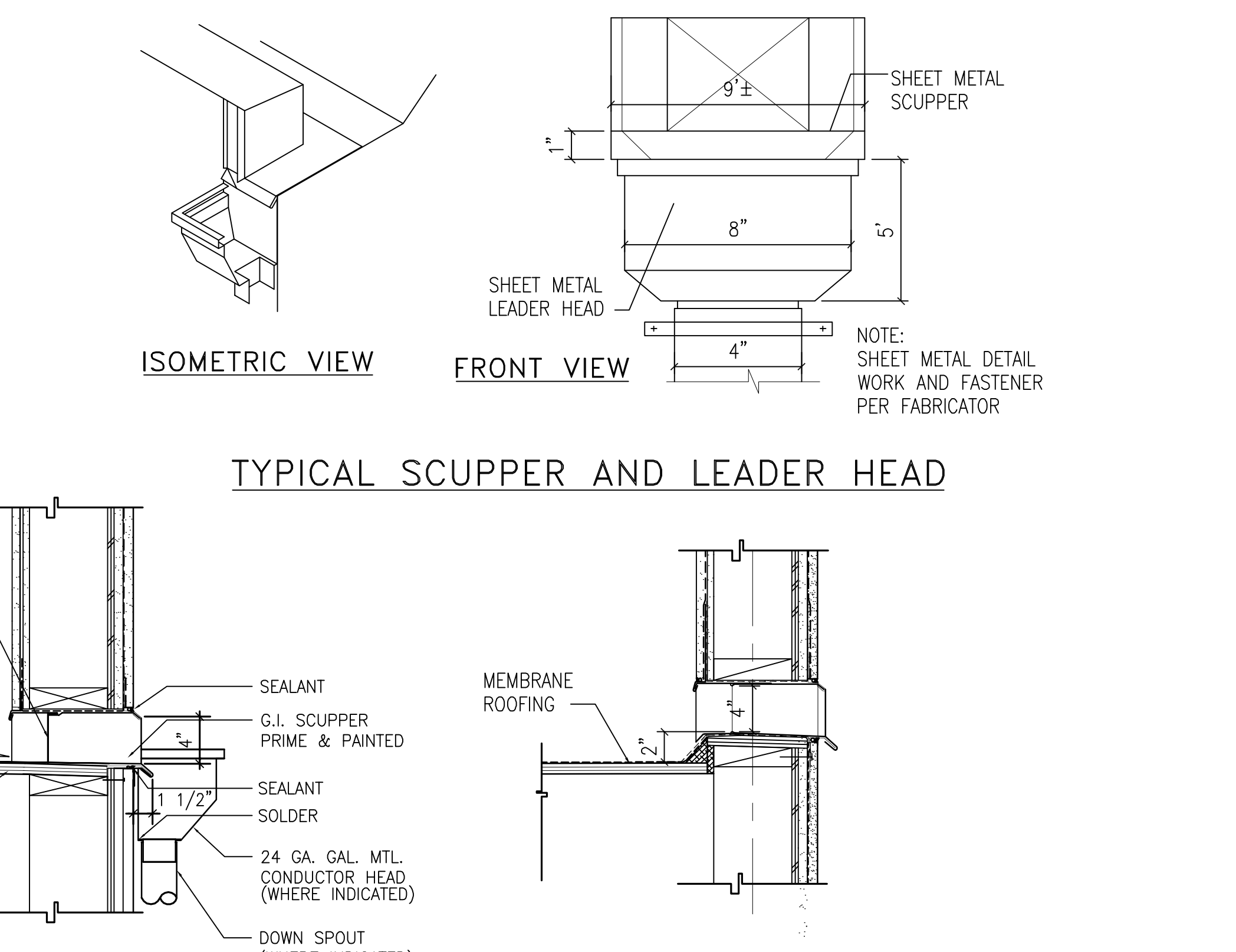
6 ROOFING TO WALL



3 PARAPET AND ROOF DRAIN

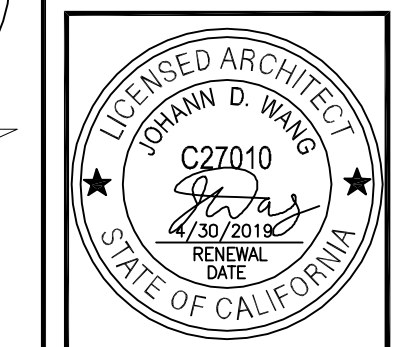


5 SCUPPER AND OVER FLOW DETAILS

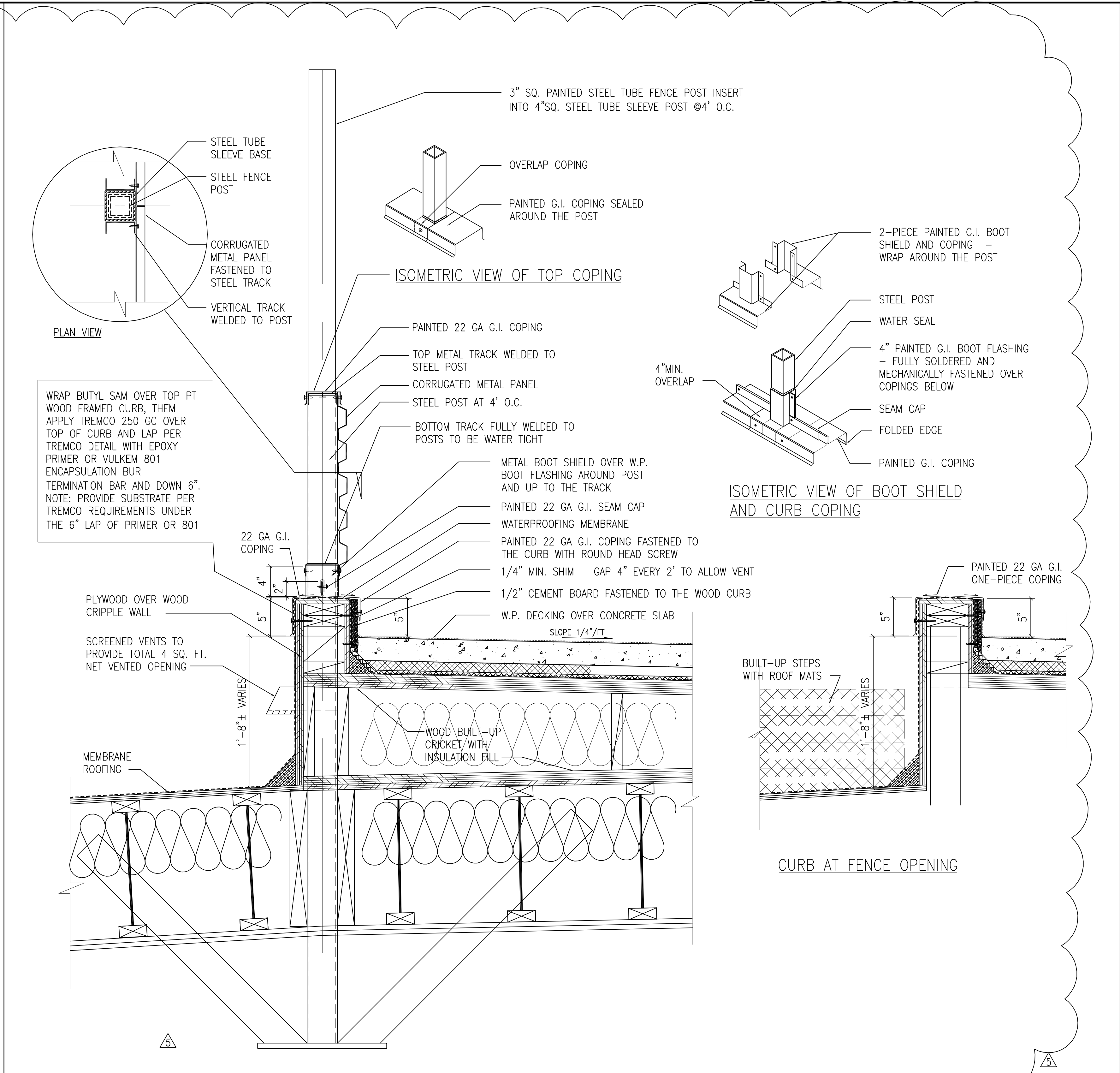
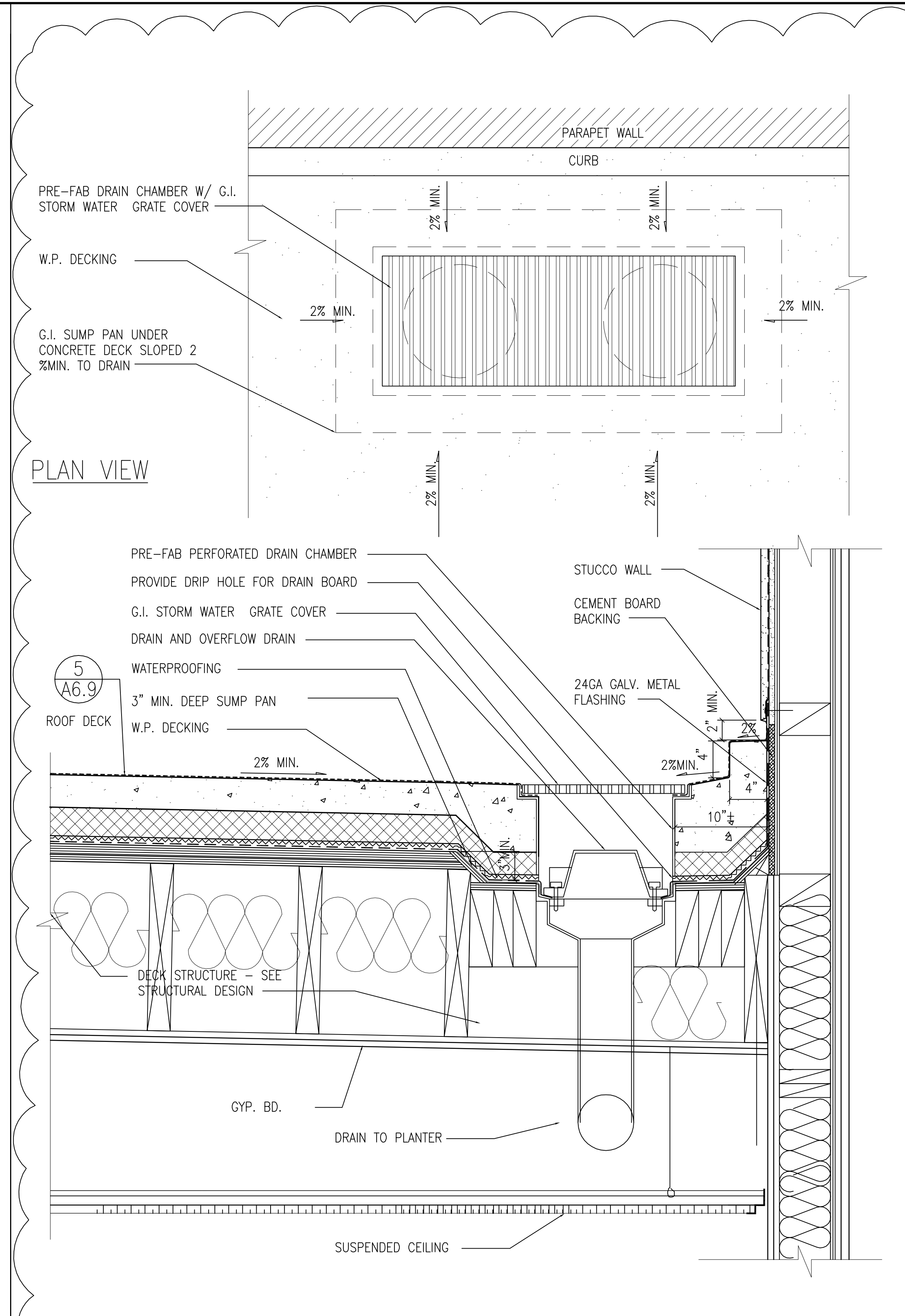
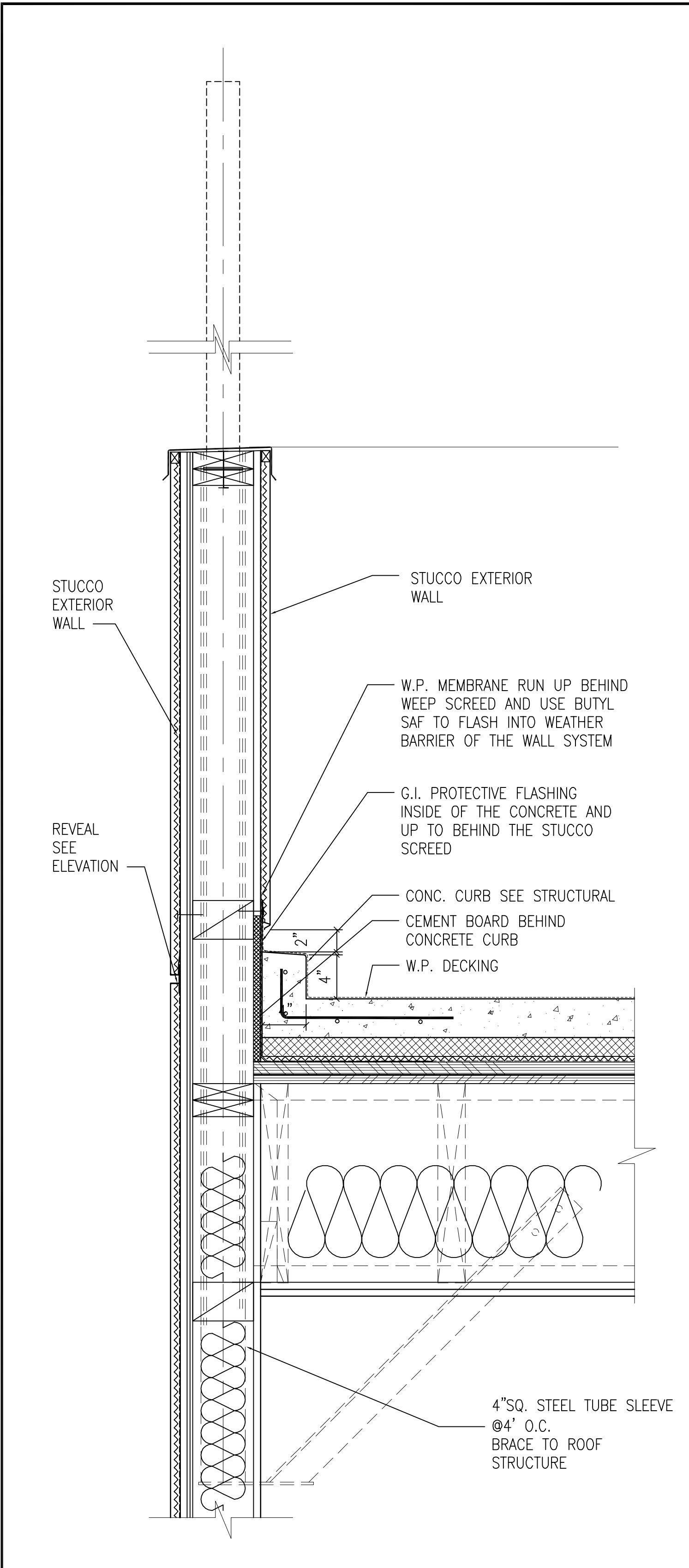


7 PARAPET BRACING GAP AT ROOF DRAIN

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	FD PLAN CHECK	10/31/2017
3	FD PLAN CHECK	12/14/2017
4	COORDINATION	08/11/2018
5	CONSULTANT	08/02/2018
6	PERMITS	01/10/2019



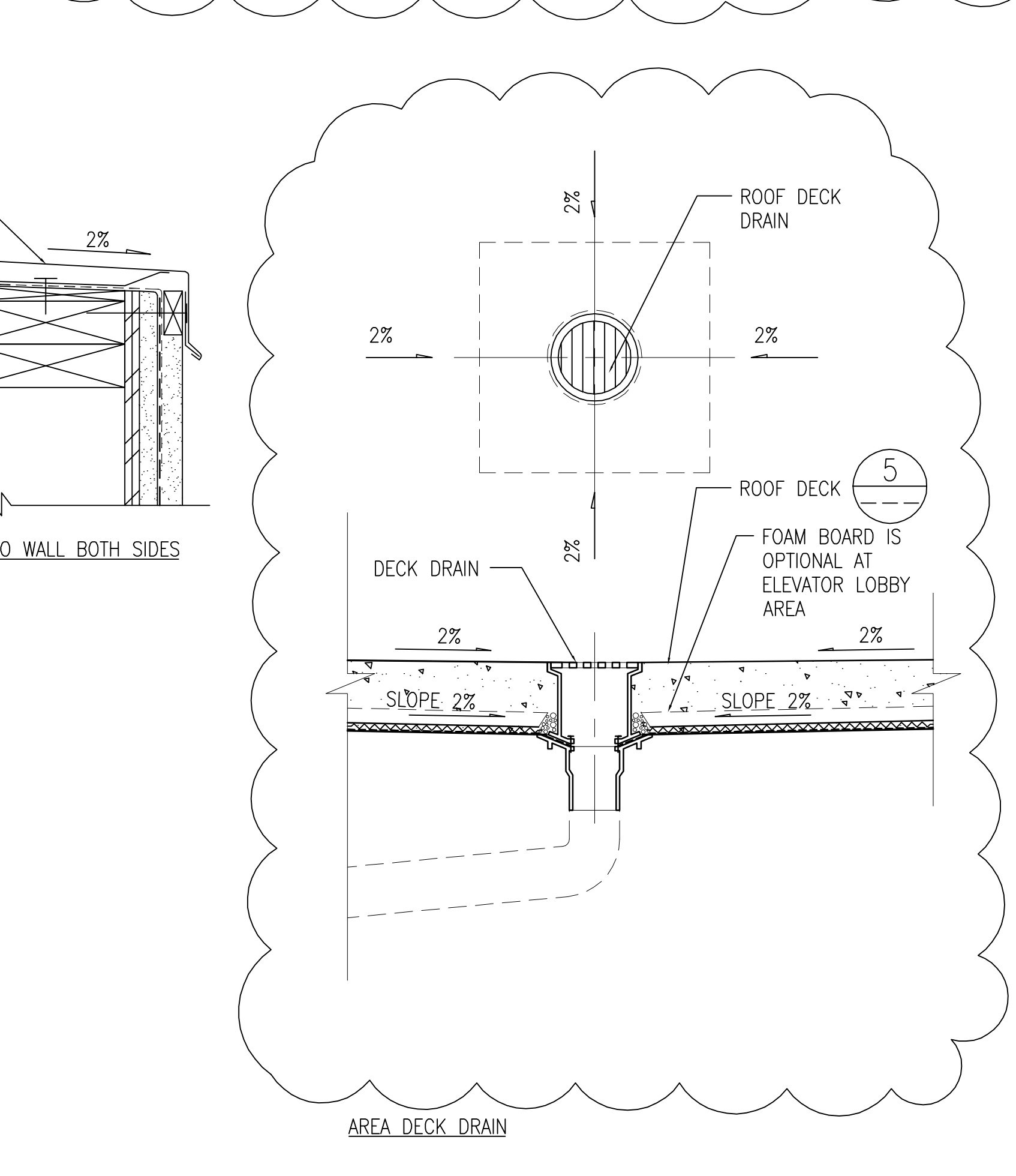
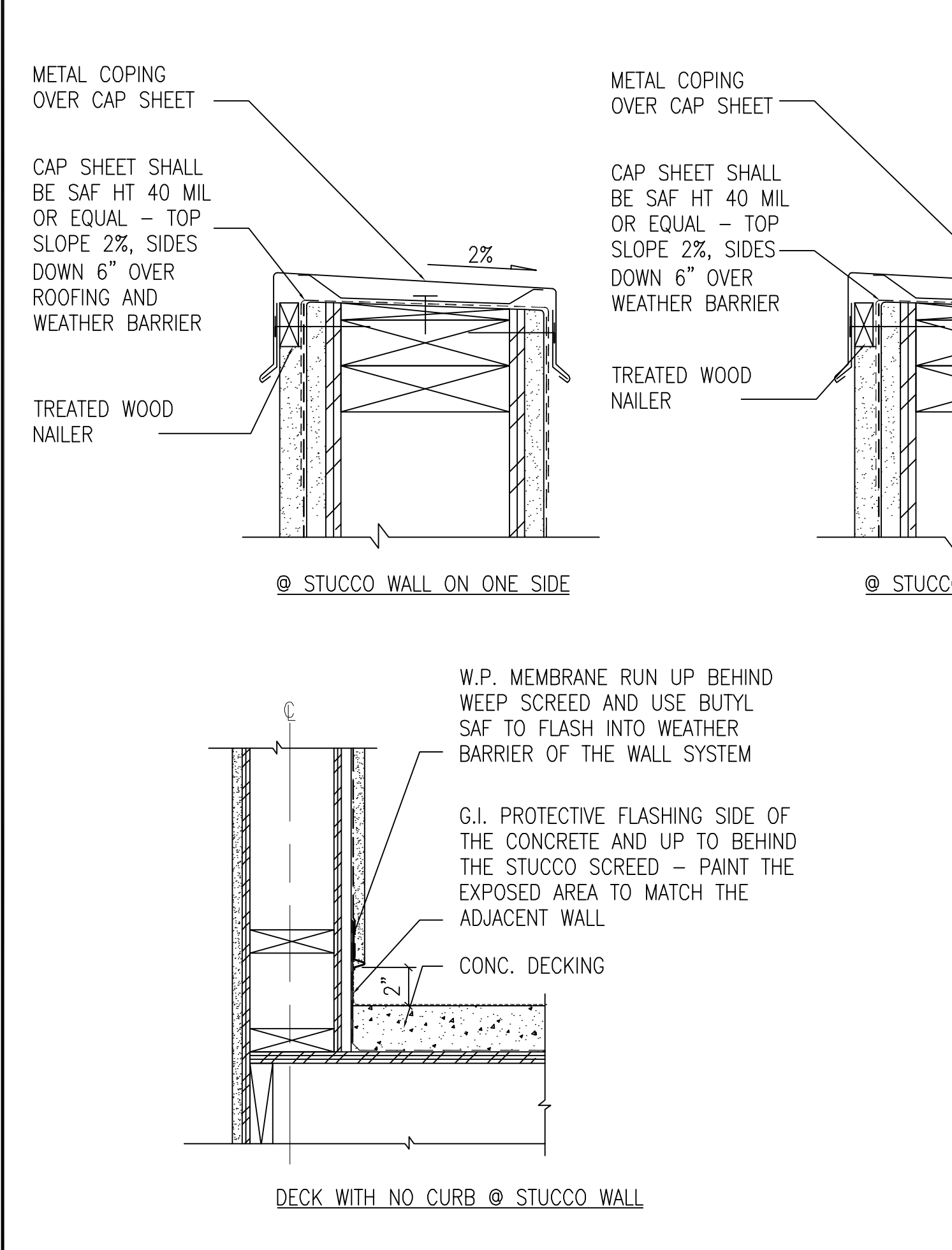
PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	SECTIONS AND DETAILS
DRAWN BY	DATE: 01/10/2019
CHECKED BY	DATE: AS NOTED
APPROVED BY	
DRAWING NUMBER	



1 ROOF DECK AT PARAPET WALL

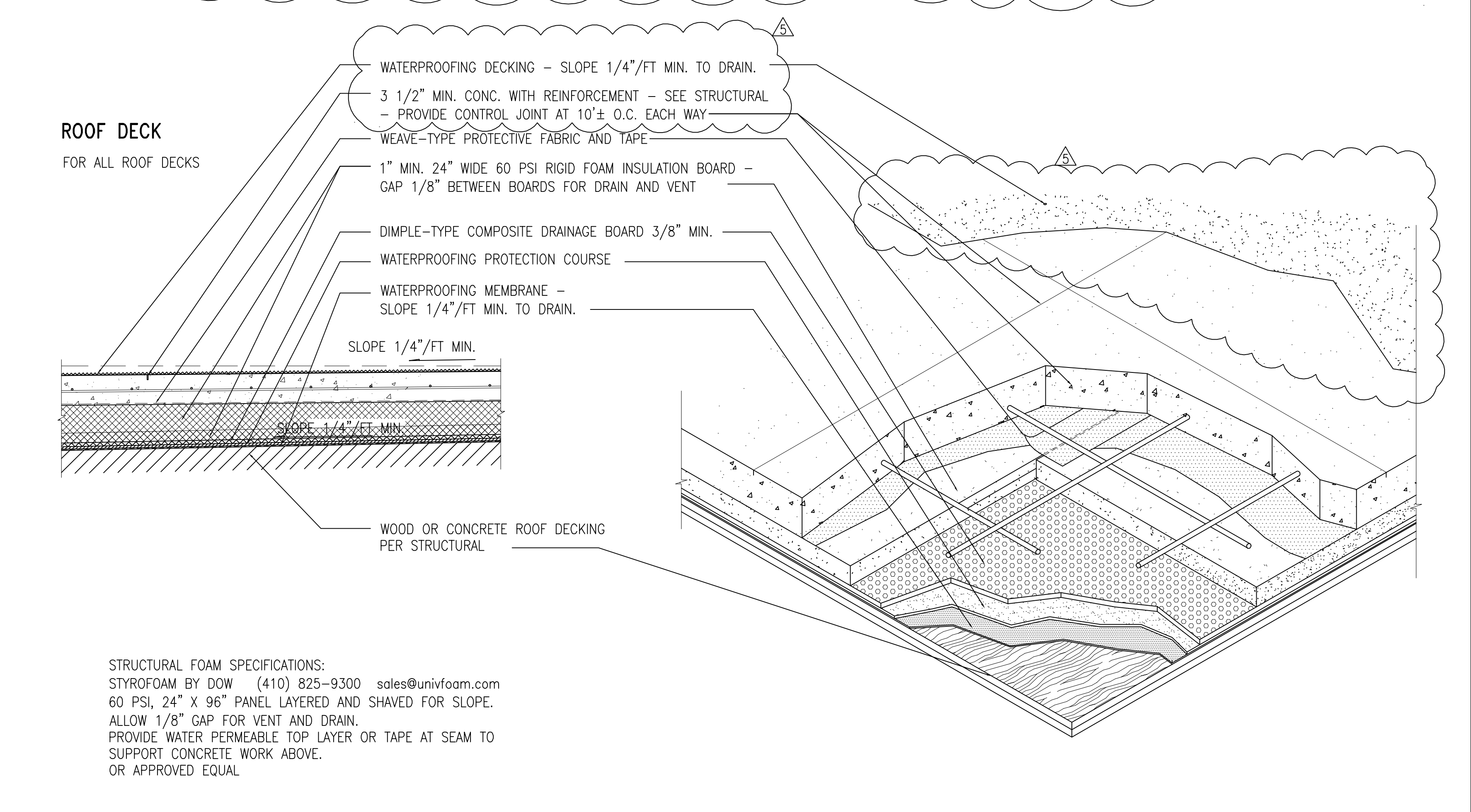
2 DECK DRAIN SIDE AT PARAPET WALL

3 CONC. ROOF DECK AT FENCE WALL



ROOFING MEMBRANE AND DECK WATERPROOFING NOTES:

1. ROOFING MEMBRANE AND WATERPROOFING MEMBRANE SHALL HAVE 20 YEAR WARRANTY.
2. ROOFING AND WATERPROOFING MEMBRANE SHALL HAVE LARR OR ICC-ES NUMBER.
3. ROOFING AND WATERPROOFING MEMBRANE MANUFACTURER SHALL REVIEW, REVISE AND PROVIDE ALL ROOFING AND WATERPROOFING DETAILS AND SUBMIT ALL FINAL SOLUTIONS TO THE ARCHITECT FOR REVIEW.



4 TYPICAL WALL AND DECK WATERPROOFING AND DRAIN DETAIL

5 CONCRETE ROOF DECK ASSEMBLY

6 ROOF DECK FOR ALL ROOF DECKS

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	FD PLAN CHECK	10/31/2017
3	FD PLAN CHECK	12/14/2017
4	CONSULTANT	08/02/2018
5	COORDINATION	01/10/2019

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	FD PLAN CHECK	10/31/2017
3	FD PLAN CHECK	12/14/2017
4	CONSULTANT	08/02/2018
5	COORDINATION	01/10/2019



PROJECT NAME	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	SECTIONS AND DETAILS
DRAWN BY	AS NOTED
CHECKED BY	AS NOTED
DATE	01/10/2019

Change order request for Magnolia Science Academy

Oltmans Construction-Intertek

01-8-2019

Trevor,

As I had indicated earlier to you and to Patrick, due to conflicts in detailing and changes made in waterproofing Intertek needs to add to its estimated contractual PM allowance relating to waterproofing at the roof of the structure.

Intertek accounting operates on an accrual system requiring a positive allowance amount listed in contractual agreement to bill against. We have exceeded those allowances and must request an additional amount be added to our allowances in the form of a change order to move forward.

I must apologize for not approaching this earlier, but at the time, I was not privy to the accounting for the project as this project was initially handled by another PM.

Construction management time already expended beyond the allowance estimate in the contract is 22+ hours, reviewing changes, details, and suggesting positive solutions. The markup process of the peer review at the roof deck became an ongoing process with little or no response or resolution apparent from the Architect when the peer review was presented.

Additional consulting time was involved working with the Carlisle Syntec team attempting to find a way to obtain a warranty. Carlisle PVC as called out in the contract documents under a topping slab typically is not warranted by Carlisle, unless electronic leak detection is installed, and further, it is not compatible with a BUR asphaltic product.

Intertek also presented multiple combinations of products that would be of benefit to the PE functionality at the roof and be plausible solutions to waterproof the roof areas:

1. A flat surfaced usable P.E. deck with pavers over an accessible sloped single membrane system.
2. Providing tapered insulation below the slab at roof deck to provide a more acceptably (less) sloped concrete slab play surface, while providing the necessary height at the juncture with the BUR to fulfill warranty requirements for that product.

With our contractual agreement being with the General Contractor Oltmans Construction, their communication has been beyond adequate, however communication has been relatively infrequent, or less, with the Architect.

Intertek typically has not been informed of or consulted regarding proposed changes in the waterproofing of the roof. Our last meeting (December 2018) for example, was the first Intertek was informed of proposed use of TREMCO 250 GC beneath the topping slab (there had been no contact from the Architect since the previous pre-con meeting). (Our contact was with Oltmans, however we copy our comments to Johann at Franco Architects.)

Their choice of a polyurethane membrane unfortunately did not consider or resolve the BUR contractor's concern regarding their warranty requirements, which typically requires an 8" curb to terminate, with the contractor hesitant to accept a transitional detail provided by Tremco between the two "incompatible materials". We discussed several options at the meeting, that could work. The resultant solution of the meeting was to have Franco Architects deliver a series of option drawings the following Friday to all for review.

Magnolia Science Academy Change Order Options

Intertek Building Science Solutions

Change order request for Magnolia Science Academy

Oltmans Construction-Intertek

01-8-2019

Intertek was again not included in the distribution of the Architect's Option drawings. When we didn't receive the option drawings on the scheduled Friday, I contacted Trevor for an update the following Monday, and was forwarded the drawings. Those drawings were reviewed with comments made by Intertek and returned to Trevor for distribution. Project Management time required for this review was included in the 22+hours amounting to \$3386 already expended beyond the contracted allowance amount.

We request a change order increasing the PM allowance by \$4886 to cover the already expended time (\$3386) and including an allowance amount of \$1000 (5.75 hrs) for the upcoming review of the B-1 Bulletin coming from the Architect.

We have just been forwarded Thursday 17th, at 5 PM, the Architect's Bulletin 4 & 5. It was issued the previous Friday by the Architect, with a return date for comments to be completed by Monday 21 January, which is today.) I will be requesting additional time from the Architect for presenting review comments.

Additional project management costs associated with the review of Bulletin 4 & 5 will be billed hourly against our change order allowance listed above and will begin upon approval of this request for change order. Hourly allowance amounts are only billed for if utilized, and any remaining amount in the allowances remain with Oltmans.

An alternate solution to creating a change order, could be: pay the \$3886 as Additional Services performed, and any forthcoming time spent in review of the B-1 Bulletin, billed out at the standard rate for services, per contract, with review of the Bulletin 4&5 being payable upon receipt of billing.

We have two very important quality assurance site visits yet to occur during the roof construction, providing observation and resulting logs per contract. This roofing assembly is extremely important to the longevity of the building. Due to the urgency of schedule, please respond asap.

Best regards,



Richard Anthony Moren

Project Manager

Intertek

Building Science Solutions

Building and construction

Lake Forest, CA 92630

richard.moren@intertek.com

Magnolia Science Academy Change Order Options

Intertek Building Science Solutions



Change Request

To: TREVOR LAWTON
 OLTMANS CONSTRUCTION
 10005 MISSION MILL RD.
 WHITTIER, CA 90601
 Ph: 562-948-4242 Fax: 562-695-9267

Number: 6
Date: 1/24/19
Job: 1-477 Magnolia Science Center
Phone:

Description: INSTALLATION OF SELF - ADHERED UNDERLAYMENT BENEATH THE COPING CAP ON THE PLAYGROUND DECK
 Reason: Field Condition
 Initiated by: JEFF RICH (OLTMANS CONSTRUCTION)

We are pleased to offer the following specifications and pricing to make the following changes:

TO FURNISH AND INSTALL SELF - ADHERING UNDERLAYMENT 300' BENEATH THE COPING CAP ON THE PLAYGROUND DECK.

Work performed by us:				
Description	Quantity	Unit	Unit Price	Price
SELF-ADHERING UNDERLAYMENT 300'	5.00	ea	\$132.00	\$660.00
LABOR - INSTALLATION 2DAYS 2GUYS	24.00	hrs	\$65.00	\$1,560.00
			Subtotal:	<u>\$2,220.00</u>
			Subtotal:	\$2,220.00
		MATERIAL TAX	\$660.00	9.00%
		O H & p	\$2,279.40	10.00%
			Total:	<u>\$2,507.34</u>
The schedule will be TBD.				
If you have any questions, please contact me at 951-284-3456.				

Submitted by: ANJ ARZAGA
 ARMSTRONG & ACEVES COMPANY

Approved by: _____
 Date: _____

Cc: TOM GALAN (ARMSTRONG & ACEVES, JAY ARZAGA (ARMSTRONG & ACEVES COMPANY)



Change Request

To: TREVOR LAWTON
 OLTMANS CONSTRUCTION
 10005 MISSION MILL RD.
 WHITTIER, CA 90601
 Ph: 562-948-4242 Fax: 562-695-9267

Number: 5R1
Date: 1/23/19
Job: 1-477 Magnolia Science Center
Phone:

Description: COST IMPACT PER BULLETIN 4 & 5

We are pleased to offer the following specifications and pricing to make the following changes:

PER BULLETIN 4 & 5 PLAN PAGES A 3.1, A6.8/2 , A6.9/3

ADDED 24GA. SHOP FABRICATED DOMER VENTS AS PER A 6.8/2
 ADDED 24GA. PREFINISH EXPOSED FASTENER 7.2 CORRUGATED PANELS AS PER A 6.9/3 MECHANICALLY ATTACHED TO STRUCTURAL FRAMING INSTALLED BY OTHERS.
 TRIMS FOR PANELS (30')

Work performed by us:				
Description	Quantity	Unit	Unit Price	Price
PREFINISH 24GA. EXPOSED FASTENER 7.2 CORRUGATED PANELS	100.00	sqft	\$16.00	\$1,600.00
24GA. GALVANIZED SHOP FABRICATED DOMER VENTS	15.00	ea	\$295.00	\$4,425.00
PREFINISH TRIMS FOR PANELS/FENCE	30.00	lf	\$14.00	\$420.00
FASTENERS	1.00	lot	\$50.00	\$50.00
FREIGHT	1.00	lot	\$125.00	\$125.00
PACKAGING	1.00	lot	\$100.00	\$100.00
			Subtotal:	\$6,720.00
			Subtotal:	\$6,720.00
	MATERIAL TAX		\$6,495.00 9.00%	\$584.55
	OH & P		\$7,304.55 10.00%	\$730.46
			Total:	\$8,035.01

If you have any questions, please contact me at 951-284-3456.

Submitted by: ANJ ARZAGA
 ARMSTRONG & ACEVES COMPANY

Approved by: _____
 Date: _____

Cc: TOM GALAN (ARMSTRONG & ACEVES, JAY ARZAGA (ARMSTRONG & ACEVES COMPANY)



Change Request

To: TREVOR LAWTON
 OLTMANS CONSTRUCTION
 10005 MISSION MILL RD.
 WHITTIER, CA 90601
 Ph: 562-948-4242 Fax: 562-695-9267

Number: 3
Date: 10/30/18
Job: 1-477 Magnolia Science Center
Phone:

Description: RFI #052 Deductive Coping at CMU Top

We are pleased to offer the following specifications and pricing to make the following changes:
 Please see attached credit for coping at CMU top.

Work performed by us:				
Description	Quantity	Unit	Unit Price	Price
24GA Galvanized	5.00	sheet	\$-38.00	\$-190.00
Shop Labor	4.00	hr	\$-45.00	\$-180.00
Coping Installation Labor	16.00	hr	\$-65.00	\$-1,040.00
			Subtotal:	\$-1,410.00
			Subtotal:	\$-1,410.00
	Tax	\$190.00	-9.00%	\$-17.10
			Total:	\$-1,427.10

If you have any questions, please contact me at 951-284-3456.

Submitted by: Michael Vides
 ARMSTRONG & ACEVES COMPANY

Approved by: _____
 Date: _____



CONSTRUCTION CO.

10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

REQUEST FOR INFORMATION

RFI-052

SUBJECT: Galvanized Metal Flashing on Exterior CMU Wall Confirmation
PROJECT: Magnolia Science Academy
TO: Etmny Cornejo
Franco Architects Inc.
FROM: Olivia Sanchez
Oltmans Construction Co.

DATE: 08/01/2018
PROJECT NO.: 18049
REQUIRED: 08/06/2018
COST IMPACT: POTENTIALLY
DAYS IMPACT: POTENTIALLY

Co-Author: **Contact:** **Co-Author RFI Number:**

Request:

Refer to: 1/D2.0

Please confirm it is acceptable to pour the concrete swale from wall to wall with the existing building, omitting the 24 ga. metal flashing. If so, please also confirm that the new block wall and the existing block wall are to be painted with Elastomeric "Enduralistic 10", extending at least 10" up from swale.

-

Suggestion:

Answer: **Accept Suggestion**

PROPOSED ARE CONFIRMED.

Johann Wang

Answered By:

Date: 8/13/2018

Distribution:

Contact	Company
Devin Ulibarri	Oltmans Construction Co.
Jeff Rich	Oltmans Construction Co.
Johann Wang	Franco Architects Inc.
Karen Montalvo	Franco Architects Inc.
Stephanie Liu	Franco Architects Inc.
Sarineh Minasian	Franco Architects Inc.
Tim Buresh	Magnolia Educational and Research Foundation



Change Request

To: TREVOR LAWTON
 OLTMANS CONSTRUCTION
 10005 MISSION MILL RD.
 WHITTIER, CA 90601
 Ph: 562-948-4242 Fax: 562-695-9267

Number: 10
Date: 4/17/19
Job: 1-477 Magnolia Science Center
Phone:

Description: Lead Flashing T&M Ticket 4/12/19

We are pleased to offer the following specifications and pricing to make the following changes:

Per Oltman's direction, please see attached pricing for T&M ticket dated 4/12/19 for the following:

1. Install (3) lead at waterproofing area sections.
2. Apply waterproofing liquid to seal lead and added roof step.

Work performed by us:				
Description	Quantity	Unit	Unit Price	Price
Malarkey Base	1.00	Roll	\$31.92	\$31.92
Malarkey Ply 6	1.00	Roll	\$55.25	\$55.25
Malarkey 524G Title 24 Cap	1.00	Roll	\$74.56	\$74.56
Mastic	1.00	Pail	\$42.84	\$42.84
Roofing Labor	8.00	hr	\$65.00	\$520.00
			Subtotal:	\$724.57
			Subtotal:	\$724.57
		Tax	\$204.57	9.50%
		O H & P	\$744.00	10.00%
		Round		\$-0.40
			Total:	\$818.00

If you have any questions, please contact me at 951-284-3456.

Submitted by: Michael Vides
 ARMSTRONG & ACEVES COMPANY

Approved by: _____
 Date: _____

Cc: Marisol De La Rosa (ARMSTRONG & ACEVES COMPANY)



"Building a Safe & Secure Southern California"

Request For Change Order

To: Oltmans Construction Co
10005 Mission Mill Road
Whittier, CA 90601

Project: Oltmans Magnolia Science Cnt

RFC No: 9

Date: 10/15/2018

Description: SCOPE:

Electrical Construction: This Change Order Request is for the Added SOW pursuant to RFI 78. Please see breakdown attached.

INCLUDES:

This proposal includes all materials, tax, equipment, and labor as needed to provide a complete and operable system for work as described herein.

EXCLUDES:

Overtime

Shift work

Permits & Fees

Inclusions and Exclusions of the Original Executed Contract will apply to this cost estimate

Anything not expressly included above



“Building a Safe & Secure Southern California”

Request For Change Order

To: Oltmans Construction Co
10005 Mission Mill Road
Whittier, CA 90601

Project: Oltmans Magnolia Science Cnt

The above work is subject to the same conditions as specified in the original contract unless otherwise stipulated.

Upon approval the sum of \$8,804.83 will be added to the contract price.

Original Contract	\$487,921.00
Other Approved Change Orders	\$10,847.53
Total Contract to Date	\$498,768.53
This Request	\$8,804.83
Other Pending Requests	\$35,174.02
Total Contract plus Pending RFCs	\$542,747.38

Authorized Signature: _____ Date: _____
Safeway Building Systems, Inc

Authorized Signature: _____ Date: _____
Oltmans Construction Co

1474 Miller Drive | Colton, CA 92324
Phone (909) 824-6441
Fax (909) 824-0571

www.safewaybsi.com

Lic # B/C-10 387886
Lic # C-46, C-7
ACO# 3998

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
Section : Section 001: BR PWR - EXTERIOR LIGHT POLE FIXTURES					
	38AST MC CONNECTOR	8.00	EACH	9.70	1.4400
	5S BOX 4 11-16	4.00	EACH	83.81	1.0200
	34ESRTCP 3/4 RAIN TIGHT COUPLING	2.00	EACH	4.10	0.1800
	FIRE CAULKING TUBE	2.00	EACH	51.48	0.0000
	EXT F FIXTURES WDM-D-48L-105-5K7-4W-UNI-PS-PC	5.00	EACH	4,890.00	3.7500
3/4"	EMT	135.00	FEET	111.78	4.0500
3/4"	EMT STEEL SS CONN	11.00	EACH	4.36	0.9900
3/4"	EMT STEEL SS COUP	12.00	EACH	3.89	0.5400
3/4"	GRC COUPLING	2.00	EACH	3.07	0.0000
3/4"	LIQUIDTITE CONDUIT	5.00	FEET	4.98	0.1500
3/4"	LIQUIDTITE STR CONN	5.00	EACH	18.72	0.7500
4 SQ BOX	1-1/2D 1/2 KO	4.00	EACH	5.90	0.7200
4 SQ	1-1/4D 1G PLAS RING	4.00	EACH	5.66	0.3000
	1G WP BELL BOX	1.00	EACH	5.40	0.7500
12	THHN SOL CU	135.00	FEET	17.82	0.8100
10	THHN SOL CU	375.00	FEET	76.50	2.8125
#12-3/C	MC CABLE W/GRN GRD	80.00	FEET	71.04	3.9600
Subtotals for Section : Section 001: BR PWR - EXTERIOR LIGHT POLE FIXTURES				5,368.21	22.2225
Section : Section 002: CREDIT - CREDIT					
	6W-24D TRENCHER DITCHING	-25.00	FEET	-25.00	-0.7500
1"	PVC SCH 40	-30.00	FEET	-10.20	-0.9000
1"	PVC SCH 40 90 ELBOW	-4.00	EACH	-2.60	-0.4000
12	THHN SOL CU	-32.00	FEET	-3.52	-0.1280
10	THHN SOL CU	-64.00	FEET	-10.88	-0.3200
Subtotals for Section : Section 002: CREDIT - CREDIT				-52.20	-2.4980
Grand Totals				5,316.01	19.7245



CONSTRUCTION CO.
10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

REQUEST FOR INFORMATION

RFI-078

SUBJECT: Exterior Light Pole Fixtures Clarification**DATE:** 09/24/2018**PROJECT:** Magnolia Science Academy**PROJECT NO.:** 18049**TO:** Etmny Cornejo
Franco Architects Inc.**REQUIRED:** 09/27/2018**COST IMPACT:** POTENTIALLY**DAYS IMPACT:** POTENTIALLY**FROM:** Olivia Sanchez
Oltmans Construction Co.**Co-Author:****Contact:****Co-Author RFI Number:****Request:**

Refer to: A0.5A, E2.1

Per discussion at OAC meeting on 9/19/2018, please confirm the two (2) light poles on the South end of the building are to be omitted and replaced with wall-mounted lights. Additionally, please provide specification and location for desired wall-mounted exterior fixtures.

Suggestion:**Answer:** **Accept Suggestion**

It is confirmed that the two light poles on the south end of the building are to be omitted and replaced with wall-mounted lights. See SK-023, SK-024 and revised Electrical Sketches ESK 001 thru 004.

Answered By:

Stephanie Liu
Franco Architects

Date:**10/11/2018****Distribution:****Contact****Company**

Devin Ulibarri

Oltmans Construction Co.

Jeff Rich

Oltmans Construction Co.

Johann Wang

Franco Architects Inc.

Karen Montalvo

Franco Architects Inc.

Stephanie Liu

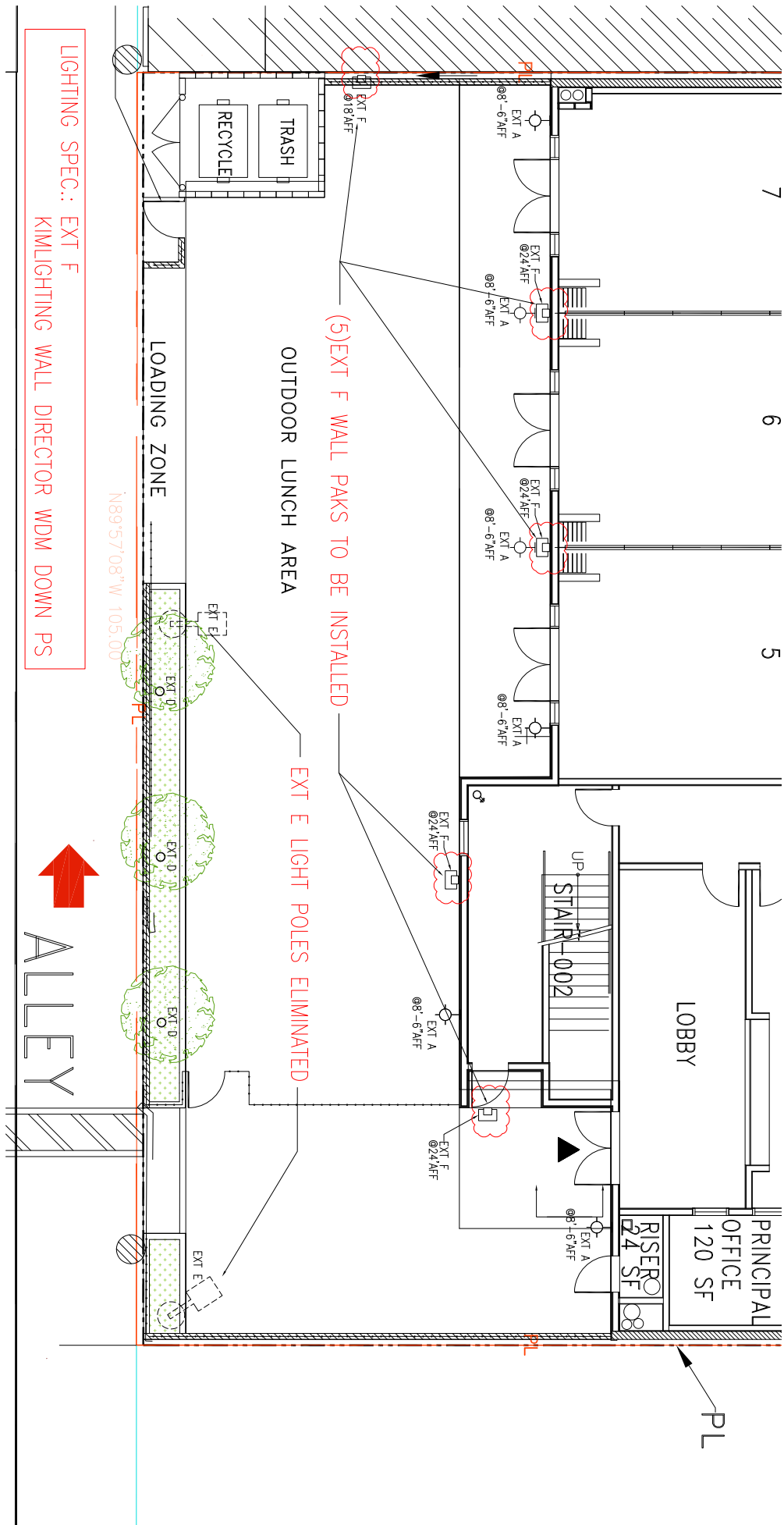
Franco Architects Inc.

Sarineh Minasian

Franco Architects Inc.

Tim Buresh

Magnolia Educational and Research
Foundation



Architect:
FRANCO ARCHITECTS
 12345 Ventura Blvd. Studio City, CA 91604
 (818) 754-2030 (818) 754-2032 (FAX)

OUTDOOR LUNCH AREA – EXTERIOR LIGHTING REPLACEMENT

Project:	MAGNOLIA SCIENCE ACADEMY	Sheet No.	A0.5A
Project No.:	18220 SHERMAN WAY, RESEDA, CA 91335	Date:	10/8/2018
Drawing Title:	SITE PLAN	Sketch No.	SK-023



JOB _____ TYPE _____

NOTES _____ APPROVALS _____

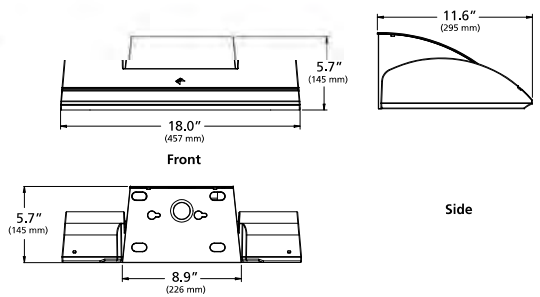
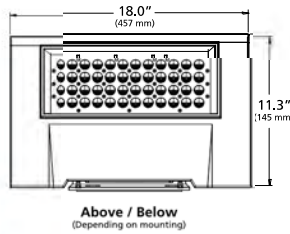
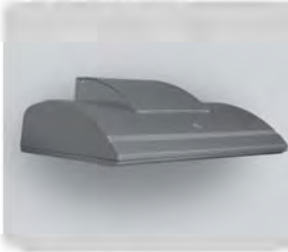
FEATURES

- -5° to +10° tilt adjustment
- High performance optics deliver up to 15,000 lumens
- up or down mountable without modification
- Diffused lens option
- Programmable occupancy sensor (dimming)
- NX and SiteSync wireless controls
- 130+ lumens per watt

Certifications



SPECIFICATIONS



Weight: 35 lbs

ORDERING CODE

WDM	D	48L	105K	5K7	4W	UNI	PS
Fixture	Mounting	Source	Wattage	Light Engine	Distribution	Voltage	Fixture Finish
WDM Wall Director Medium	D Down U Up	48L 48 LEDs	55 55 Watts 65 65 Watts 85 85 Watts 105 105 Watts 130 130 Watts	3K7 3000K/70CRI 3K8 3000K/80CRI 4K7 4000K/70CRI 4K8 4000K/80CRI 5K7 5000K/70CRI	1 Type I 2 Type II 3 Type III 4W Type IV Wide 4F Type IV Forward WG ² Wall Graze SP Spot/Column FTD ² Forward Throw Diffuse WTD ² Wide Throw Diffuse	UNV 120-277V 347 347V 480 480V	BL Black DB Dark Bronze GT Graphite LG Light Gray PS Platinum Silver TT Titanium WH White CC Custom Color, consult representative

PC		
Control Options	Options	Accessories
PC Button PhotoCell SCP-8F Programmable Occ. Sensor (<9' height) SCP-20F Programmable Occ. Sensor (<9' - 20' height) SWP ³ SiteSync Wireless Pre-Commission SWPM ³ SiteSync Wireless w/ Occupancy Sensor Pre-Commission NXSPW14F ⁴ NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14' NXSP14F ⁴ NX PIR Occupancy Sensor, Dimming Daylight Harvesting, 14' NXWE ⁴ NX Wireless Enabled	EM ³ Internal Emergency Battery Backup SF Single Fuse & Fuse holder DF Double Fuse & Fuse holder 2DR Dual Drivers 2PF Dual Power Feds	SCPREMOTE SCP configuration tool SWUSB SiteSync Software on USB SWTAB SiteSync Windows® Tablet SWBRG SiteSync Software Bridge Node

Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.



Kim Lighting reserves the right to change specifications without notice.

¹ Not available with EM option or with SCP & SWPM sensor options.
² WG, FTD, and WTD come with a diffused lens.
³ Universal voltage only (120-277), not available with PC option.
⁴ 120-347V only





CHANGE ORDER PROPOSAL

DATE: **1/15/2019** G.C. PROJECT MANAGER / SENT TO: **Trevor Lawton**
 CONTRACTOR: **Oltman's Construction** PROJECT: **Magnolia Science Academy**
 ADDRESS: **10005 Nission Mill Road** JOB NO: **2027** COR # **6**
 CITY, STATE, ZIP: **Whittier, Ca 90601** REF NO: **Delta 3** RFI:

DESCRIPTION OF WORK: **Delta 3 Drawings issued 12/26/2018**
Labor, materials, and equipment necessary to perform the installation of (1) 3" outlet deck drain, added to serve the vestibule entry at Boys Restroom #302 (per the Delta 3 Drawings issued 12/26/2018). Includes installation of (1) new Wade model 3111-3NH-1-52-53-VP deck drain with heel proof nickel bronze veneer strainer, all necessary sch 40 PVC DWV drain piping with POC to the adjacent storm drain system above MDF RM #214 / Staff Breakroom #211, all piping supports / hangers as necessary, seismic bracing at +/-30' intervals as necessary, installation of pipe labels at +/-30' intervals as necessary, and pre-functional testing upon completion.

Note: Sch 40 PVC DWV pipe and fittings have been selected in conjunction with the value engineering considerations made in previously issued PV&C COR #03 "Revised", dated 12/4/2018.

TYPE OF MATERIAL	QTY	UNIT	UNIT COST	AMOUNT	TRADE	HR	RATE	AMOUNT
See attached material back-up	1	FLAT	\$1,682.65	\$1,682.65	STRAIGHT TIME			
				\$0.00	PLM GF		108.63	\$0.00
				\$0.00	PLM FM	2.0	102.19	\$204.38
				\$0.00	PLM JM	16.0	92.51	\$1,480.16
				\$0.00	WELDER		117.60	\$0.00
				\$0.00	PREMIUM TIME			
				\$0.00	PLM GF		147.57	\$0.00
				\$0.00	PLM FM		138.05	\$0.00
				\$0.00	PLM JM		123.77	\$0.00
				\$0.00	WELDER		173.25	\$0.00
				\$0.00	DOUBLE TIME			
				\$0.00	PLM GF		185.57	\$0.00
				\$0.00	PLM FM		173.01	\$0.00
				\$0.00	PLM JM		154.17	\$0.00
				\$0.00	Welder		235.20	\$0.00
TOTAL				\$1,682.65	WAGE BENEFITS			included
SALES TAX				included	TRAVEL	2	\$92.51	\$185.02
TOTAL MATERIAL COSTS				\$1,682.65	TOTAL LABOR COSTS			\$1,869.56

MISC. TOOLS & EQUIPMENT								
ITEM	QTY	UNIT	UNIT COST	AMOUNT	SUMMARY			
Rolling scaffolding (rental)	0.5	week	\$375.00	\$187.50	TOTAL MATERIAL COST			
				\$0.00	TOTAL LABOR COST			
Multi-quip MQ4500 Generator	2	DAY	\$55.00	\$110.00	TOTAL MISC. COST			
Fuel Surcharge	1	Gallon	\$8.00	\$8.00	TOTAL COST			
Flat-bed delivery truck from shop (delivery / pick-up of scaffolding)	2	RND TRIP	\$250.00	\$500.00	OVERHEAD & PROFIT 15%			
				\$0.00	TOTAL			
				\$0.00				
charge not yet met)								
TOTAL MISC. COSTS				\$805.50	BOND			
GRAND TOTAL								\$5,011.37

2 working days are to be added to our contracted schedule timeline. This schedule change may effect other timelines.

EXCLUSIONS:

- 1) Assessments or fees.
- 2) Permit.
- 3) Overtime.
- 4) Double-time.
- 5) Roof-patch.
- 6) Water-proofing.
- 7) Lead-flashing(s) or sheets.
- 8) Core-drilling.
- 9) Fossil filter(s).
- 10) X-ray / deep scan of concrete deck.
- 11) Calculation(s) / drawing(s) / engineering.
- 12) Location(s) other than specified.
- 13) Qty(s) other than specified.
- 14) Material(s) other than specified.

See attached back-up sheets for detailed quantities, etc. The above pricing is only for items contained on this sheet. If any major items were missed during that takeoff, they are not contained in the pricing herein, and are subject to a supplemental pricing for that work. This pricing is good for 30 days.

Submitted by;

Extra Work Authorization

1/15/2019

Job Name: #2027 Magnolia Science Academy

<u>Quantity</u>	<u>Description</u>	<u>Cost</u>	<u>Total</u>
1	1- 3" no hub outlet Wade Model 3103-3NH-1-5-52-53 deck drain	662.43	662.43
40	40'- 3" sch 40 PVC DWV pipe	2.52	100.68
1	1- 3" CP33 Mission band (3" PL x 3" CI)	12.56	12.56
1	1- 3" IPS plated riser clamp	5.22	5.22
2	2- 3" sch 40 PVC DWV long sweeps	4.56	9.12
1	1- 3" sch 40 PVC DWV ¼ bend	3.55	3.55
3	3- 3" sch 40 PVC DWV couplings w/ stop	2.55	7.64
3	3- 3" sch 40 PVC DWV hxs 1/8 bends	4.46	13.37
2	2- 3" sch 40 PVC DWV hxh 1/8 bends	4.70	9.41
1	1- quart Grey PVC glue	25.53	25.53
1	1- quart purple PVC primer	22.70	22.70
2	2- glue daubers	5.36	10.72
1	1- pack terry cloth towels / rags	15.06	15.06
1	1- 4" x 4" x 3" sch 40 PVC DWV combi	11.89	11.89
10	10- 3" IPS loop hangers	1.78	17.76
20	20'- 3/8" zinc coated all thread rod	0.54	10.72
1	1- box ¼" x 2" long x 3/8" rod bottom outlet super screws	19.84	19.84
1	50- 3/8" nuts	9.79	9.79
1	50- 3/8" washers	4.81	4.81
1	1- box 3/8" x 1 ½" long lag bolts	25.19	25.19
10	10- B-Line Cooper B3060L side beam attach bracket's	13.16	131.63
2	2- B-Line Cooper B650 series retro-fit hanger seismic brace	93.76	187.51
2	2- FNW7847Z4 4-hole open angle brackets	8.89	17.78
8	8- FNW7819Z0037 3/8"-16 no-spring channel nuts	1.11	8.90
10	10'- 13/16" uni strut	2.29	22.90
1	1- box 3/8" x 1" long machine bolts	10.80	10.80
2	2- pipe labels with 2" high letters (white on green) "Storm Drain"	5.40	10.80
1	1- roll Brady directional arrow tape (white on green) small arrows	75.87	75.87
1	1- 18TPI portable band saw blade	12.80	12.80
1	1- FNW7811Z1800 18" strut arm	20.50	20.50
2	2- 3" IPS strut clamps	3.09	6.18
2	2- 4" SD2000 Husky bands (no hub couplings)	10.90	21.81
1	1- 3" sch 40 PVC DWV wye	6.47	6.47
1	1- 3" sch 40 PVC glue cap	0.66	0.66
1	1- 3" dollar plug / test plug	4.09	4.09
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Total w/tax 1,682.65

Elizabeth Lara

From: Dustin Miller <dmiller@safewaybsi.com>
Sent: Monday, January 21, 2019 8:08 AM
To: Elizabeth Lara
Cc: Project Support; Carlos Bedoy; Trevor Lawton
Subject: RE: MSA #18049 - Revised Drawings Bulletin 4 and 5 RFP

Good Morning Elizabeth,

There is no cost impact for us on Bulletin #4 & #5, per the revised drawings listed on the email "MSA #18049 – Revised Drawings Bulletin 4 and 5 RFP" that we received on 1/15/19.

The adder for furnishing five (5) Wall-mounted Fixtures and credit for the two (2) omitted Light Poles were captured within Safeway CO#9 (RFI 78).

Best regards,

Dustin Miller
Project Engineer



"Building a Safe & Secure Southern California"

Cell: (951) 321-0713
Office: (909) 824-6075
Fax: (909) 824-0571
www.safewaybsi.com

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From: Elizabeth Lara [<mailto:ElizabethL@oltmans.com>]
Sent: Tuesday, January 15, 2019 11:53 AM
To: chris@ceramictileart.us; Raymond Elias; steve@gjgentry.com; cindy@starhardwareinc.com; Steve Brandriff; Carlos Bedoy; frank.fang@schindler.com; will@iealarm.com; eric@iealarm.com; tclark@adfiresprinklers.com; newimageinterior@mail.com; newimageflooring1@contractor.net; Kristopher Johnston; mark@continentalglazing.com; skorica@cbhvac.com; kyle@calcominsulation.com; rona@advancedlandscape2000.com; RyanH@perliteplastering.com;

robertgallal@gmail.com; rg Hansen@shcabinets.com; eesquivel@hufcor.com; jaguilar@lawrencedoors.com; chris@jfpco.com; lauren@beesonpervious.com; tim@pvcplumbing.com; tom@pvcplumbing.com; Kris@pvcplumbing.com; mlamarche@johaseerebar.com; T.Galan@AARoofingCorp.com; J.Arzaga@AARoofingCorp.com; Reginald.Huner@Intertek.com; Kristopher Johnston; T.Galan@AARoofingCorp.com; stephen@sjgrigolla.com; steve@gjgentry.com; cathy.garcia@sgcal.com; mike.butler@sgcal.com; david.howell@smokeguard.com; Jrmartinez@kdrsteel.com; rfrei@peica.com; gravelo@powerplus.com; estimating@thompart.com; james@systemswp.com

Cc: Trevor Lawton; Elizabeth Lara

Subject: MSA #18049 - Revised Drawings Bulletin 4 and 5 RFP

Good Morning Everyone,

Please see the attached bulletin 4 and 5 affected drawings. A brief description of changes can be found on the lower left side of the drawing, next to title block.

- Bulletin 4 (delta 4) are summary of sketches that have been issued (typically RFI response)
- Bulletin 5 (delta 5) Coordination Bulletin
- Impacted sheets for the bulletins:

1. A0.5A
2. A1.1
3. A3.1
4. A4.0
5. A4.1
6. A5.1
7. A6.0
8. A6.2
9. A6.8
10. A6.9
11. S9.0
12. S9.1

Submit your WRITTEN, **ITEMIZED** AND DETAILED quotation to our office by Tuesday January 22, 2019 at 4pm. If no cost impacts are submitted we will assume there is no cost impact and future change order requests will not be accepted pertaining to changes in bulletin 4 and 5.

If this request for proposal does not have any cost and /or schedule impact on your portion of the work, indicate by signing and returning this to my attention.

If you have questions, contract the Project Manager, (Trevor Lawton), at extension (3459) or myself at extension 3432.

REFERENCE THE BULLETIN#/DRAWING # WHEN RESPONDING TO THIS NOTICE AND RETURN TO MY ATTENTION.

NO COST OR SCHEDULE IMPACT:

Name

Date

Thank you,
Elizabeth F. Lara

Sr. Project Engineer

Oltmans Construction Co.

T 562.948.4411, Ext. 3432

From: Johann Wang

Sent: Friday, January 11, 2019 10:31 AM

To: Trevor Lawton <TrevorL@oltmans.com>; Elizabeth Lara <ElizabethL@oltmans.com>; Jeff Rich <JeffR@oltmans.com>

Cc: Karen Montalvo; Stephanie Liu; Etmny Cornejo

Subject: MSA Bulitin-4 and 5

Hi Trevor,

Attached are the drawings for Bulitin-4 and Bulitin-5. **Bulitin-4 are summary of sketches that have**

been issued. Bulitin-5 is new.

Thanks

Johann Wang Architect

Franco Architects Inc.



REQUEST FOR CHANGE ORDER

CONTRACTOR: Oltmans Construction

DATE: 10/29/18

ATTENTION: Olivia Sanchez

JOB: Magnolia Science Academy
Reseda, CA

GLOBAL JOB#: 18156

CHANGE ORDER: 1

REASON FOR CHANGE:

Per Returned Submittals, Add to Provide C1816G17FX2 FEC in lieu of C1816V17FX2.

TOTAL COST INCLUDING TAX	\$321.00
LABOR	INCLUDED
TOTAL CHANGE ORDER REQUEST	\$321.00

GLOBAL SPECIALTIES DIRECT INC

ACCEPTED BY: _____

BY: JOVANNA LABORIN
PROJECT MANAGER

TITLE: _____

**PLEASE NOTE: CHANGE ORDER
WILL NOT BE PROCESSED UNTIL
SIGNATURE IS RECEIVED**

****CHANGE ORDER(S) WILL NOT BE PROCESSED
UNTIL GLOBAL SPECIALTIES DIRECT INC HAS
RECEIVED APPROVAL FROM YOUR FIRM.**

10118 SANTA FE SPRINGS RD, SANTA FE SPRINGS, CA 90670
PHONE (562) 777-1170 • FAX (562) 777-1169

SUBMITTED:

SUBMITTAL: AMBASSADOR™ STEEL FX2™ FIRE-RATED EXTINGUISHER CABINETS

PAGE 1 OF 2

The Ambassador Series is a Durable, Attractive Steel Cabinet with Powder-coat Finish that Stands up to Conditions in Commercial Buildings.

Door & Trim Construction: Cold rolled steel with white powder-coated finish standard. Flush cabinet doors with a 5/8" door stop are attached by a continuous hinge and equipped with zinc-plated handle and roller catch. All models have 1-3/4" wide trim on frame and 1-1/4" trim on doors with glazing.

Trim Style & Depth: *Trimless Recessed* - See separate submittal, *Recessed* 3/8" flat trim, *Semi Recessed* - 1-1/4", 1-1/2" Square Edge or 2-1/2", 3", 4", 4-1/2" Rolled Edge (4" has Flush pull).

Tub: The tub is constructed of cold rolled steel with white powder-coat finish standard. Tub forms a flange to cover cut edges of wallboard material. Fire-resistant material is attached to the exterior of the tub. *Please note that dimensions for wall opening have changed for the new FX2 design. See Chart on pg 2.*

Fire-Rating: Fire-FX2™ cabinets are fabricated in accordance with the UL label for one and two hour combustible and non-combustible wall system building codes. The fire testing has met the requirement of ANSI/UL 1479 (ASTM -E814) and ULC/CAN S115 for membrane and penetration firestops. Installation instructions must be strictly adhered to in order to obtain the fire rating.



STEP 1: SELECT MODEL NUMBER AND QUANTITY ON CHART (refer to chart on pg 2)

A. Determine Trim Style according to wall depth. B. Determine Tub I.D. according to size most suited for extinguisher and wall opening.

STEP 2: SELECT DOOR STYLE WITH HANDLE

- | | |
|--|--|
| <input type="checkbox"/> F Full Glazing | <input type="checkbox"/> L22 Solid with SAF-T-LOK™ |
| <input type="checkbox"/> G Full Glazing with SAF-T-LOK™ | <input type="checkbox"/> L24 Solid with Cylinder Lock - No Handle |
| <input type="checkbox"/> D Horizontal Duo Panel | <input type="checkbox"/> V Vertical Duo |
| <input type="checkbox"/> E Horizontal Dual Panel with SAF-T-LOK™ | <input type="checkbox"/> W Vertical Duo with SAF-T-LOK™ |
| <input type="checkbox"/> S21 Solid Door | <input type="checkbox"/> B Solid with 2' x 4' View Window & SAF-T-LOK™ |

Check one box below - See Examples on Page 2

BIM Objects for REVIT® Platform

STEP 3: SELECT DOOR GLAZING

- | | | |
|---|--|--|
| <input type="checkbox"/> 10 Clear Acrylic | <input type="checkbox"/> 15 Bronze Acrylic | <input type="checkbox"/> 17 Clear Tempered Glass |
| <input type="checkbox"/> 13 Clear Wire Glass with Safety Film | <input type="checkbox"/> 16 Gray Acrylic | <input type="checkbox"/> 18 Laminated Safety Glass |

STEP 4: OPTIONAL FEATURES AT ADDED COST (SELECT ANY)

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Optional Tub Color: Black Red | <input type="checkbox"/> Black Vertical FE Letters LDCVBFE | <input type="checkbox"/> Black Vertical Decal LDVBFE | <input type="checkbox"/> (MC) Magnetic Catch—Replaces Roller Catch |
| <input type="checkbox"/> Futura "Fire" Pull Mill Alum Red White | <input type="checkbox"/> Red Vertical FE Letters LDCVRFE | <input type="checkbox"/> Red Vertical Decal LDVRFE | <input type="checkbox"/> Optional Lock for G, E, W, L22, B: |
| <input type="checkbox"/> Flush Pull Handle | <input type="checkbox"/> White Vertical FE Letters LDCVWFE | <input type="checkbox"/> White Vertical Decal LDVWFE | <input type="checkbox"/> (CA) Commander Alarm |
| <input type="checkbox"/> Polished Chrome Lever Handle (P6) | <input type="checkbox"/> Black Horizontal FE Letters LDCHBFE | <input type="checkbox"/> Black Horizontal Decal LDHBFE | <input type="checkbox"/> (BA) Brigadier Alarm |
| <input type="checkbox"/> Optional Colors: Red Black Flat Black | <input type="checkbox"/> Red Horizontal FE Letters LDCHRFE | <input type="checkbox"/> Red Horizontal Decal LDHRFE | <input type="checkbox"/> Etched/Engraved Letters in Glass/ Metal- Attach Sub. |
| <input type="checkbox"/> Sand AMS Beige SC Flat Beige | <input type="checkbox"/> White Horizontal FE Letters LDCHWFE | <input type="checkbox"/> White Horizontal Decal LDHWFE | |
| <input type="checkbox"/> Gray Primer Bronze Silver | | | |

For More Information on Options See Other Submittals: [Decals/Die Cuts & Wall Signs](#), [More Alarm Information](#)

<p>ACTIVAR INC. CONSTRUCTION PRODUCTS GROUP</p> <p>AMBASSADOR™ IS A TRADEMARK OF ACPG DOWNLOAD CURRENT SUBMITTAL BEFORE ORDERING</p>	Distributor: Global SDI	Quantity: 16
	Contractor: Oltmans	Approved By:
	Model #: C1816V17FX2	Architect:
	Project: Magnolia Science Academy	Date: 10/04/18 © 2017 Activar Construction Products Group, Inc.

REVIEWED:

SUBMITTAL: AMBASSADOR™ STEEL FX2™ FIRE-RATED EXTINGUISHER CABINETS

PAGE 1 OF 2

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STEP 2: SELECT DOOR STYLE WITH HANDLE

- | | |
|--|--|
| <input type="checkbox"/> F Full Glazing | <input type="checkbox"/> L22 Solid with SAF-T-LOK™ |
| <input checked="" type="checkbox"/> G Full Glazing with SAF-T-LOK™ | <input type="checkbox"/> L24 Solid with Cylinder Lock - No Handle |
| <input type="checkbox"/> D Horizontal Duo Panel | <input type="checkbox"/> V Vertical Duo |
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| <input type="checkbox"/> S21 Solid Door | <input type="checkbox"/> B Solid with 2' x 4' View Window & SAF-T-LOK™ |

Check one box below - See Examples on Page 2

A/E Please advise

BIM Objects for REVIT® Platform

STEP 3: SELECT DOOR GLAZING

- | | | |
|---|--|---|
| <input type="checkbox"/> 10 Clear Acrylic | <input type="checkbox"/> 15 Bronze Acrylic | <input checked="" type="checkbox"/> 17 Clear Tempered Glass |
| <input type="checkbox"/> 13 Clear Wire Glass with Safety Film | <input type="checkbox"/> 16 Gray Acrylic | <input type="checkbox"/> 18 Laminated Safety Glass |

STEP 4: OPTIONAL FEATURES AT ADDED COST (SELECT ANY)

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Optional Tub Color: Black Red | <input type="checkbox"/> Black Vertical FE Letters LDCVBFE | <input type="checkbox"/> Black Vertical Decal LDVBFE | <input type="checkbox"/> (MC) Magnetic Catch—Replaces Roller Catch |
| <input type="checkbox"/> Futura "Fire" Pull Mill Alum Red White | <input checked="" type="checkbox"/> Red Vertical FE Letters LDCVRFE | <input type="checkbox"/> Red Vertical Decal LDVRFE | <input type="checkbox"/> Optional Lock for G, E, W, L22, B: |
| <input type="checkbox"/> Flush Pull Handle | <input type="checkbox"/> White Vertical FE Letters LDCVWFE | <input type="checkbox"/> White Vertical Decal LDVWFE | <input type="checkbox"/> (CA) Commander Alarm |
| <input type="checkbox"/> Polished Chrome Lever Handle (P6) | <input type="checkbox"/> Black Horizontal FE Letters LDCHBFE | <input type="checkbox"/> Black Horizontal Decal LDHBFE | <input type="checkbox"/> (BA) Brigadier Alarm |
| <input type="checkbox"/> Optional Colors: Red Black Flat Black | <input type="checkbox"/> Red Horizontal FE Letters LDCHRFE | <input type="checkbox"/> Red Horizontal Decal LDHRFE | <input type="checkbox"/> Etched/Engraved Letters in Glass/ Metal- Attach Sub. |
| <input type="checkbox"/> Sand AMS Beige SC Flat Beige | <input type="checkbox"/> White Horizontal FE Letters LDCHWFE | <input type="checkbox"/> White Horizontal Decal LDHWFE | |
| <input type="checkbox"/> Gray Primer Bronze Silver | | | |

For More Information on Options See Other Submittals: [Decals/Die Cuts & Wall Signs](#), [More Alarm Information](#)

<p>ACTIVAR INC. CONSTRUCTION PRODUCTS GROUP</p> <p>AMBASSADOR™ IS A TRADEMARK OF ACPG DOWNLOAD CURRENT SUBMITTAL BEFORE ORDERING</p>	Distributor: Global SDI	Quantity: 16
	Contractor: Oltmans	Approved By:
	Model #: C1816V17FX2	Architect:
	Project: Magnolia Science Academy	Date: 10/04/18 © 2017 Activar Construction Products Group, Inc.

HEADQUARTERS & J.L INDUSTRIES: 9702 NEWTON AV S, BLOOMINGTON, MN 55431 PH: 800-554-6077 FAX: 952-835-2218 EMAIL: SALES@ACTIVARCPG.COM WWW.ACTIVARCPG.COM
MANUFACTURING: BLOOMINGTON MN & COMMERCE, GA • WAREHOUSES: FT MYERS FL, ATLANTA GA, DALLAS TX, SEATTLE WA, LANCASTER PA, FARGO ND, OMAHA NE 6/13/2017



CONSTRUCTION CO.

10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM

PCI034

TITLE: Chem Lab Emergency Natural Gas Shut Off (RFI 191)**DATE:** 05/14/2019**PROJECT:** Magnolia Science Academy**PROJECT NO.:** 18049**TO:****Magnolia Educational and Research Foundation**

250 E. 1st St., 1500

Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment as required per changes issued on RFI #191. The gas system as shown on the plumbing drawing P-8 did not include an emergency gas shut off valve in the chemistry lab (room #201) to shut off turrets in case of an emergency.

Added scope includes furnish and install Isimet Panel to be used as emergency gas shut off, to be located adjacent to the strike side of the door within the framed rated wall. Includes 120V single phase solenoid valve assembly, schedule 40 1" gas piping to loop up and down from the first floor attic space to the new proposed Isimet panel location. Includes all necessary piping hangers, supports, fire caulking at floor penetrations, pipe labels, seismic bracing as necessary and pre-functional testing.

_Includes power for the 24 vac for the gas shut off system, includes installation of a push button emergency shut off switch(provided by PV&C) on the desk as means of disconnect.

This PCI excludes any items not identified above including additional move-ins, engineering, testing and permits. It excludes any schedule associated impacts, general conditions, future changes caused by City review or inspections.

Vendor	Description	Amount
P.V. & C. PLUMBING	Plumbing: COR 7 Gas Emergency Shut Off	9,697.00
Safeway Bldg. Systems Inc. dba Safeway Electric	Electrical: COR #19	774.00
	SUBTOTAL:	10,471.00
	Bond	86.00
	Gross Tax	14.00
	GL	102.00
	SDI	131.00
	Fee	536.00
	SUBTOTAL:	869.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		11,340.00

APPROVAL:

Oltmans Construction Co.

BY: Trevor Lawton**DATE:****APPROVAL:**

Magnolia Educational and Research

BY:**DATE:**



PLUMBING & PIPING INC.

1620 S. Grove Ave., Ste. B, Ontario, CA 91761

(909) 595-9434

CHANGE ORDER PROPOSAL

DATE: 4/22/2019	G.C. PROJECT MANAGER / SENT TO: Trevor Lawton
CONTRACTOR: Oltman's Construction	PROJECT: Magnolia Science Academy
ADDRESS: 10005 Nission Mill Road	JOB NO: 2027 COR # 7
CITY, STATE, ZIP: Whittier, Ca 90601	REF NO: RFI: 191

DESCRIPTION OF WORK:

Reference the response given to RFI No. 191. The cost impact herein is inclusive of providing and installing (1) new Isimet panel to be used as an emergency natural gas shut off, serving Chem Lab Rm #201 (second floor level). The proposed location of the Isimet panel will be adjacent to the strike side of the door, within the existing 6" wood framed rated wall. Includes installation of (1) Isimet LSP-1211-G3-U-ATV-FIRE RATED 18" x 18" x 6" flush controller cabinet, installation of (1) Isimet S-303-VA-1-1-X-U-F8 120 V single phase solenoid valve assembly, all necessary 1" sch 40 blk gas piping to loop up / down from the first floor attic space to the newly proposed Isimet panel location, all necessary piping hangers / supports, fire-caulking at floor penetrations, pipe labels at +/- 30' intervals (or either side of Isimet panel), seismic bracing as necessary at +/- 30' intervals, and pre-functional testing upon completion.

Note: Electrical scope performed by other(s).

TYPE OF MATERIAL	QTY	UNIT	UNIT COST	AMOUNT	TRADE	HR	RATE	AMOUNT
See attached material back-up	1	FLAT	\$395.56	\$395.56	STRAIGHT TIME			
					PLM GF		108.63	\$0.00
					PLM FM	4.0	102.19	\$408.76
Isimet LSP-1211-G3-U-ATV 18" x 18" x 6" controller cabinet (Please allow 4-5 weeks for delivery)	1	EA	\$4,138.75	\$4,138.75	PLM JM	18.0	92.51	\$1,665.18
					WELDER		117.60	\$0.00
					PREMIUM TIME			
					PLM GF		147.57	\$0.00
Freight / Shipping	1	FLAT	\$55.00	\$55.00	PLM FM		138.05	\$0.00
Isimet S-303-VA-1-1-X-U-F8 (Please allow 4-5 weeks for delivery)	1	EA	\$793.35	\$793.35	PLM JM		123.77	\$0.00
					WELDER		173.25	\$0.00
					DOUBLE TIME			
Freight / Shipping	1	FLAT	\$25.00	\$25.00	PLM GF		185.57	\$0.00
					PLM FM		173.01	\$0.00
					PLM JM		154.17	\$0.00
					Welder		235.20	\$0.00
TOTAL				\$5,407.66	WAGE BENEFITS			included
SALES TAX				included	TRAVEL	2.25	\$92.51	\$208.15
TOTAL MATERIAL COSTS				\$5,407.66	TOTAL LABOR COSTS			\$2,282.09

MISC. TOOLS & EQUIPMENT					SUMMARY	
ITEM	QTY	UNIT	UNIT COST	AMOUNT		
Rolling scaffolding (rental)	0.5	week	\$375.00	\$187.50	TOTAL MATERIAL COST	\$5,407.66
Collins 22A pipe machine (rental)	1	DAY	\$55.00	\$55.00	TOTAL LABOR COST	\$2,282.09
				\$0.00	TOTAL MISC. COST	\$742.50
				\$0.00	TOTAL COST	\$8,432.25
Flat-bed delivery truck from shop (delivery / pick-up of scaffolding)	2	RND TRIP	\$250.00	\$500.00	OVERHEAD & PROFIT 15%	\$1,264.84
				\$0.00	TOTAL	\$9,697.08
				\$0.00		
charge not yet met)						
TOTAL MISC. COSTS				\$742.50	BOND	
					GRAND TOTAL	\$9,697.08

2.25 working days are to be added to our contracted schedule timeline. This schedule change may effect other timelines.

EXCLUSIONS:

- | | |
|---|--|
| 1) Assessments or fees. | 8) Core-drilling. |
| 2) Permit. | 9) Pressure gauge(s) / pressure regulator(s). |
| 3) Overtime. | 10) X-ray / deep scan of concrete deck. |
| 4) Double-time. | 11) Calculation(s) / drawing(s) / engineering. |
| 5) Electrical scope. | 12) Location(s) other than specified. |
| 6) Drywall demo / removal. | 13) Qty(s) other than specified. |
| 7) Drywall repair / patch / paint touch-up. | 14) Material(s) other than specified. |

See attached back-up sheets for detailed quantities, etc. The above pricing is only for items contained on this sheet. If any major items were missed during that takeoff, they are not contained in the pricing herein, and are subject to a supplemental pricing for that work. This pricing is good for 30 days.

Submitted by;



CONSTRUCTION CO.

10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

REQUEST FOR INFORMATION

RFI-191

SUBJECT:	Emergency Gas Shut Off Valve	DATE:	04/08/2019
PROJECT:	Magnolia Science Academy	PROJECT NO.:	18049
		REQUIRED:	04/11/2019
TO:	Etmny Cornejo Franco Architects Inc.	COST IMPACT:	POTENTIALLY
		DAYS IMPACT:	POTENTIALLY
FROM:	Elizabeth Lara Oltmans Construction Co.		

Co-Author:	P.V. & C. PLUMBING	Contact:	Kris Gerke	Co-Author RFI Number:	PV&C 2027-01
-------------------	--------------------	-----------------	------------	------------------------------	--------------

Request:

Requested by Jeremy Snykes, PV&C, 4/8/19:

Per the end user job walk on 4/3/19:

The gas system on the plumbing drawings P8.0 doesn't include an emergency gas shut off valve in the class room (chemistry lab #201) to shut off to turret's in case of an emergency. Please provide a model and location for the valve.

Suggestion:

PV&C suggestion: We can pipe from the first floor through the valve and back to the first floor where the gas system was originally shown. This will help to keep the piping footage close to the original and hopefully not affect the sizing of the system.

Answer: **Accept Suggestion**

Answered By: _____

Date: 4-9-19

Distribution:



Request For Information

Date: 4/3/2019

Ref No. 2027-01

Attn: Jeff Rich

Project Title: Magnolia Science

Reference: P8.0

Request:

The Gas system on P8.0 does not include an Emergency Gas shut off valve in the class room to shut the gas off to the turret's in case of an emergency. Please provide a model and location for the valve.

Suggestion:

We can pipe from the first floor through the valve and back to the first floor where the gas system was originally shown. This will help to keep the piping footage close to the original and hopefully not effect the sizing of the system.

4/3/2019

Signature

Date



ISIMEI - LABORATORY SERVICE PANEL W/ MICROPROCESSOR & SOLENOID ASSEMBLY

Project Owner: _____
 Project Name _____
 Project Address _____
 Room # for Installation: _____
 (or # of Units if Room # unknown)



ISIMEI Job #: _____

Equipment Specifications Model #: LSP – _____

White Powder Coat Finish Door (1) Brushed Stainless Steel (2) Gray PC Enclosure W/ SS Door (4)
 Surface Mount (1) Flush Mount (2)
Enclosure 16 X 14 X 6 18 X 18 X 6 24 X 24 X 6 Other _____
Output Circuit **Single** **Dual** **Panel Switches** **1** **2**

Secondary Service: **Local** **Remote**

Services Controlled:				Enclosure Bulkhead Type:	
Service	Size	Valve	Solenoid	Standard Assembly w/ Grommets	
				"AT" - Air Tight w/o Vent	
				"ATV" - Air Tight w/ Vent	
Coil Voltage:			Control Voltage:		
24-vac Control applies only to secondary output when using 120-vac Coil; Otherwise all control & coil voltage is 24-vac or 12-vdc.					
Inlet Ball Valve					
"XU" Ball Valve without union (Fuel Gas Systems)					
"TU" May be used on 1/2" thru 2" (General Service)					
"TUT" are for 1/2", 3/4" & 1" (General Service)					
TUT Non Lead Free Only - TUT to be phased out Mid-Summer					
Piping Configurations:					
Top - to - Bottom					
Bottom - to - Top					
Custom _____					

Options:

- "L" - Door Louver
- "T" - Tee-Handle Operator
- "LS" - RF Module
- "F" - Y-Strainer
- "U" - Added Union (Fuel Gas Only)
- "EP" - Explosion Proof
- "P" - Piano Hinge
- "F2" - 2hr Fire Rated
- "D" - 12 VDC Output
- "B" - Backup Battery



- CAUTION!**
- Installation must comply with all local codes and ordinances.
 - Connect only 120 VAC to this equipment.
 - Refer to Model Number Description for Model Designators.
 - Failure to follow recommended installation, operation, and / or maintenance procedures listed in the manual may void product warranty.

Application:

The *ISIMET* Laboratory Service Panel operates as a single output controller incorporating either a solenoid valve assembly or electrical contacts along with the digital switching mechanism within a single enclosure. An internal junction box houses the 120-vac line voltage along with transformer and circuit board. LSP is not suitable for application directly exposed to weather or wet conditions.

Door Panel Labeling:

Single Output Solenoid Systems are labeled per Enclosure Style i.e. **“NATURAL GAS SERVICE PANEL”**

Dual Output Systems are labeled **“LABORATORY SERVICE PANEL”**

Door Panel Label Options:

LABORATORY SERVICE PANEL

NATURAL GAS SERVICE PANEL

DOMESTIC WATER SERVICE PANEL

COMPRESSED AIR SERVICE PANEL

LP GAS SERVICE PANEL

CUSTOM

Custom _____

Electrical Specifications:

Style	# Output Circuits	Output Rating	Transformer	Relay Rating
LSP	1	1.5 amp @ 24 vac	2 amp @ 25VCT	1 @ 1.5 amp @ 24 vac
LSP	2	1.5 amp @ 24 vac	3 amp @ 25VCT *	2 @ 1.5 amp @ 24 vac
LSP	Custom	1.5 amp @ 24 vac	3 or 4 amp @ 25VCT *	1.5 amp MAX.
LSP	Custom-3”	1.5 amp @ 120 vac	1 amp @ 25VCT	1.5 amp MAX.

*Based on Specific Output Ratings.

Enclosure Features:

Door Lock – All units are provided with a key door lock

Operation - Key Switch: Momentary switch for an “ON” Cycle

Control Switch – Activates the output circuit with keying for “ON”.

Push Button Switch: Momentary contacts disengage the system requiring re-keying to active “ON”.

Panic Notification – The unit is equipped with a “Panic” output circuit that can be utilized as a notification signal to an alarm system. One Circuit is a dry-contact. The second Circuit can be field configured as a dry-contact or as 24-vac output.

LED Indicators – A Green “ON” or active LED illuminates with service “ON”. A lower Red LED indicates that “Panic” has interrupted service and the notification circuit is active.

Standard Units are Flush Mounted W/ White Powder Coat Door

Resets included on all solenoid outputs

Dual Output Circuit Option:

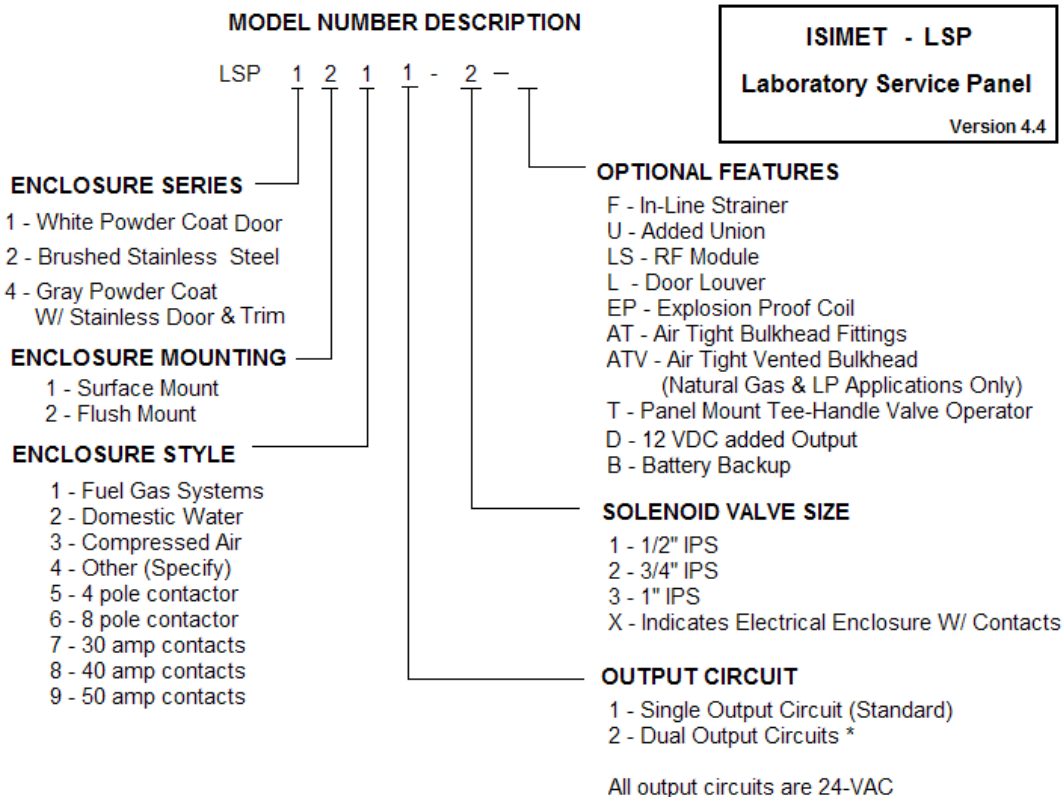
The unit is available as a dual output system where the second output controls a 24-vac device that is remote of the Service Panel.

Other Options: Enclosure size varies based on specific custom assemblies. Four inch deep boxes are available for piping through ¾” for custom applications.

Valve assemblies utilizing General Service Solenoids are non-lead free but are optionally available as lead free assemblies.

Program Setting Options:**NOTES: Setting Circuit Function = 2 & Circuit Timing = 3 results in no timing operation.****Setting Circuit Function = 3 & Circuit Timing = 3 results in separate timing for Circuits 1 & 2 based upon setting Standard Circuit Timing and equivalent Fan Timing.**

Choice	Function	Options
	EMS Energy Management	1 – EMS Disables Unit Operation 2 – EMS Enables Unit Operation 3 – Timing Function Enables Unit Operation
	EMS Timing Function	1 – 8 Hours 2 – 10 Hours 3 – 12 Hours
	EMS Input	1 – 24-vac Input 2 – Dry-contact Input
	Alarm Input	1 – 24-vac Input 2 – Dry-contact Input
	Remote Panic Input	1 – Remote Panic Impacts Panic Function 2 – Remote Panic Impacts Alarm Function
	Remote Panic Input	1 – Remote Panic Impacts Panic Function 2 – Remote Panic Impacts Alarm Function
	Panic Output	1 – Standard Output W/ Panic 2 – Momentary Output W/ Panic 3 – Inverted Panic Output
	Circuit Function	1 –Output Circuits Operate by Individual Switches 2 – Output Circuits Operate by a Single Switch 3 – Output Circuit 2 Operates Exhaust Fan
	Circuit Timing Function	1 –No Circuit Timing 2 – Circuits Operate on a Single Determined Time Sequence 3 – Circuit 2 Exhaust Fan Operates on a Time Sequence
	Standard Circuit Timing	1 – 1 Hour 2 – 2 Hours 3 – 3 Hours
	Fan Circuit Timing	1 – 15 Minutes 2 – 30 Minutes 3 – 60 Minutes



Field Configurable Notification Output Circuit is Standard on all systems

* Second Output Circuit is intended for operation of a remotely located 24-VAC device

General Service Solenoids

Body:	Brass
Armature Tube:	Stainless Steel 300
Fixed Core:	Stainless Steel 400
Plunger:	Stainless Steel 400
Spring:	Stainless Steel 300
Shading Ring:	Copper
Orifice:	Brass

Series 220 Lead Free Solenoids

Body:	Lead Free Brass
Armature Tube:	Stainless Steel 300
Fixed Core:	Stainless Steel 400
Plunger:	Stainless Steel 400
Spring:	Stainless Steel 300
Shading Ring:	Copper
Orifice:	Lead Free Brass

Series 300 Fuel Gas Solenoids

Body:	Aluminum
Armature Tube:	Stainless Steel 300
Fixed Core:	Stainless Steel 400
Plunger:	Stainless Steel 400
Spring:	Stainless Steel 300
Shading Ring:	Copper
Orifice:	Brass

Ball Valve Specifications:

Apollo or Nibco Bronze 2-Piece Ball Valve. (or equivalent)
 All valves are full port, bronze

Valve Station Suffix:

“TU” – General Service Threaded Union - **150 psi CWP 600 psi CWP MSS SP-110**

“XU” – Non-Union - **150 psi SWP 600 psi CWP MSS SP-110**

Valves for fuel gas systems are UL Listed but are not available with the integral output union (XU) only.

Valves greater than 2” only available in “XU”

Recommend the use of Series 220 for all domestic water systems.

2” Lead Free Solenoids are Currently Not Available. Recommend use of S-200-SS for these applications.

S-301 – S-304 & S-308 are 0 Differential; S-305 & S-306 are 0.015 psi Differential.

Caution should be used if S-305 and S-306 solenoids are used in science lab applications.

For domestic water systems, where minimum pressure differentials across the orifice prohibit the solenoid from functioning properly the Series S-100-SS solenoids should be utilized.

ISIMET Model	Port Size (in)	Orifice Size (in)	Min. Pressure Diff.	Flow Factor CV	Operation Pressure		24/60 VAC	
					Air/Gas psi	Water psi	VA Inrush	VA Holding
S-101-SS	1/2	.5	0	4.8	230	230	25	14.5
S-102-SS	3/4	.75	0	9.8	230	230	25	14.5
S-103-SS	1	1	0	14	230	230	25	14.5
S-201	1/2	.5	2	4.8	230	230	25	14.5
S-202	3/4	.75	2	9.8	230	230	25	14.5
S-203	1	1	2	14	230	230	25	14.5
S-204	1 1/4	1.375	2	28	150	150	25	14.5
S-205	1 1/2	1.5	2	36	150	150	25	14.5
S-206	2	2	2	53	150	150	25	14.5
S-222	3/4	3/4	2	9.8	230	230	25	14.5
S-223	1	1	2	14	230	230	25	14.5
S-224	1 1/4	1 3/8	2	28	150	150	25	14.5
S-225	1 1/2	1 1/2	2	36	150	150	25	14.5
S-301	1/2	.71	0	4.0	3	171,600 *	45	27
S-302	3/4	.71	0	4.9	3	241,500 *	45	27
S-303	1	1.26	0	1.2	0.75	635,500 *	45	27
S-304	1 1/4	1.26	0	14	0.75	762,700 *	45	27
S-305	1 1/2	1.89	0.015	41	3	2,225,530 *	45	27
S-306	2	2.0	0.015	50	3	2,732,994 *	45	27
S-501	1/2	.5	3	4.2	225	225	12.9	8
S-502	3/4	.75	3	6.4	225	225	12.9	8
S-503	1	1	4.5	10.5	225	225	12.9	8

* BTU @ 0.60 Specific Gravity W/ pressure drop of 0.5 inch water column

The operation of emergency devices including emergency showers and eyewashes should not be integrated with this system for either activation or deactivation.



Valve Assembly Submittal

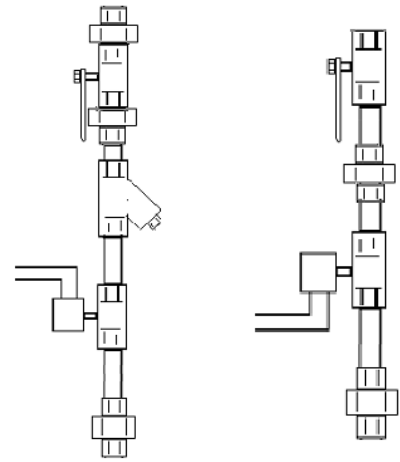
Project Owner: _____

Project Name: _____

Project Address: _____

Room # for Installation: _____

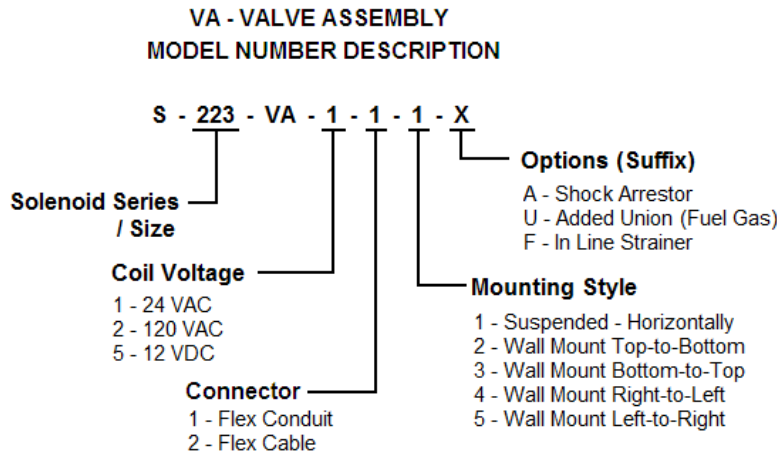
(or # of Units if Room # unknown) _____



ISIMET Job #: _____

Utility Services Controlled:					Options:						
Assembly	Size	Use	Solenoid Series	Coil Volt	Ball Valve	Added Union	Shock Arrestor	Y-Strainer 20 Mesh	Y-Strainer 80 Mesh	Lead Free	Other
1											
2											
3											
4											
5											
Standard = "XU" and All Fuel Gas Systems "TU" May be used on 1/2" thru 2" Services "TUT" are for 1/2", 3/4" & 1" Services "FB" May be used on 1/2" thru 2" Services FB & TUT Non Lead Free Only-TUT to be phased out by Mid-Summer					Coil Voltage: 24 VAC 120 VAC "XXXXXXXXXXXX"34"XFE Flexible Conduit Flexible Cable						

In-Line Strainers are recommended for all fluid systems and other systems where contaminants are present. Solenoids should not be mounted so that solenoids are positioned in a downward position. Image is generic and may not reflect actual assembly.

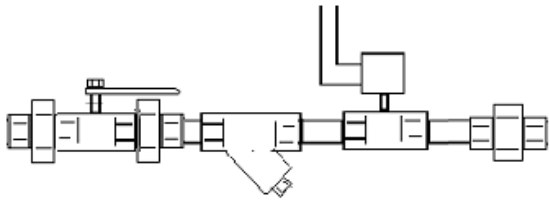


The operation of emergency devices including emergency showers and eyewashes should not be integrated with this system for either activation or deactivation.

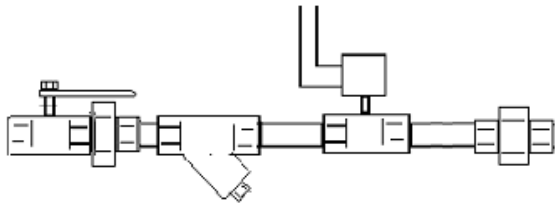
DOC# 12035

March 2014

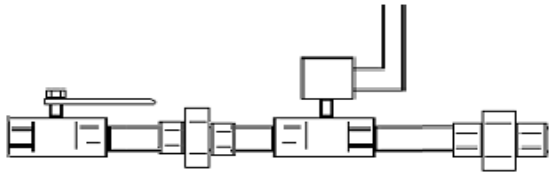
Valve Assembly Configurations



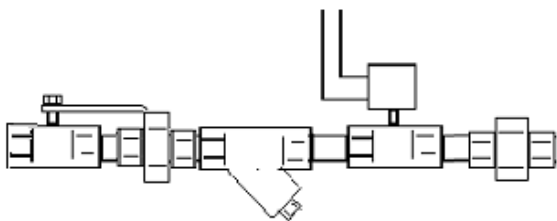
Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____



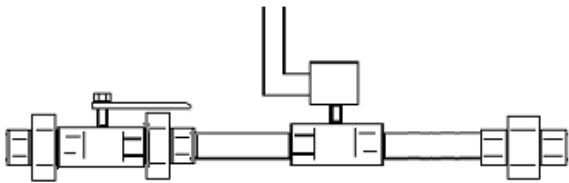
Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____



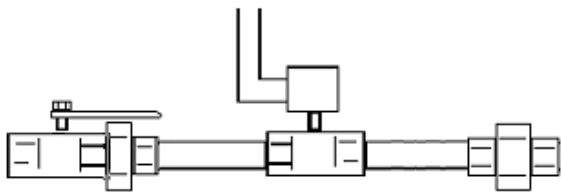
Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____



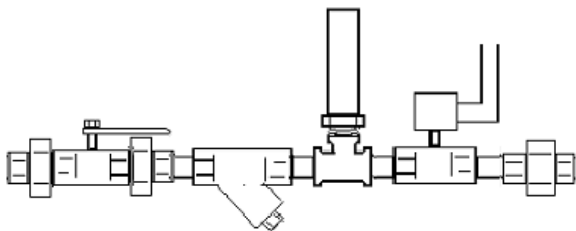
Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____



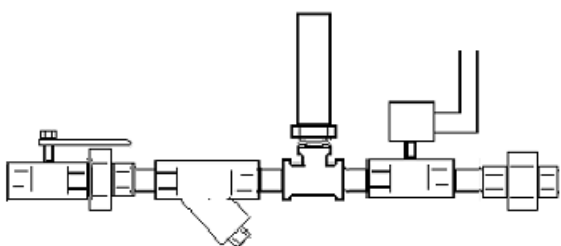
Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____



Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____



Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____



Assembly # _____ Model _____
 Quantity _____ Sizes _____
 Mounting _____

Solenoid Specifications

ISIMET Model	Port Size (in)	Orifice Size (in)	Seat Material	Min. Pressure Diff.	Flow Factor Cv	Operation Pressure		24/60 VAC		120/60 VAC	
						Air/Gas psi	Water psi	VA Inrush	VA Holding	VA Inrush	VA Holding
S-201	1/2	.5	NBR	2	4.8	230	230	25	14.5	25	14.5
S-202	3/4	.75	NBR	2	9.8	230	230	25	14.5	25	14.5
S-203	1	1	NBR	2	14	230	230	25	14.5	25	14.5
S-204	1 1/4	1.375	NBR	2	28	150	150	25	14.5	25	14.5
S-205	1 1/2	1.5	NBR	2	36	150	150	25	14.5	25	14.5
S-206	2	2	NBR	2	53	150	150	25	14.5	25	14.5
S-208	3	3	BUNA	3	77	225	225	-	-	45	27
S-222	3/4	3/4	FKM/NSF	2	9.8	230	230	25	14.5	25	14.5
S-223	1	1	FKM/NSF	2	14	230	230	25	14.5	25	14.5
S-224	1 1/4	1 3/8	FKM/NSF	2	28	150	150	25	14.5	25	14.5
S-225	1 1/2	1 1/2	FKM/NSF	2	36	150	150	25	14.5	25	14.5
S-301	1/2	.71	BUNA	0	4.0	3	171,600 *	45	27	45	27
S-302	3/4	.71	BUNA	0	4.9	3	241,500 *	45	27	45	27
S-303	1	1.26	BUNA	0	12	0.75	635,500 *	45	27	45	27
S-304	1 1/4	1.26	BUNA	0	14	0.75	762,700 *	45	27	45	27
S-305	1 1/2	1.89	BUNA	0.015	41	3	2,225,530 *	45	27	45	27
S-306	2	2.0	BUNA	0.015	50	3	2,732,994 *	45	27	45	27
S-308	3	3	NITRILE	0	93.6	45	5,188,000 *	-	-	113	113
S-401	1/2	.5	NBR	2	4.8	230	230	25	14	25	14
S-402	3/4	.75	NBR	2	9.8	230	230	25	14	25	14
S-403	1	1	NBR	2	14	230	230	25	14	25	14
S-501	1/2	.5	BUNA	3	4.2	225	225	12.9	8	-	-
S-502	3/4	.63	BUNA	3	6.4	225	225	12.9	8	-	-
S-503	1	1	BUNA	4.5	10.5	225	225	12.9	8	-	-
S-601	1/2	.625	NBR	0	2.8	TORR@.003	MERC @.00039	25	14.5	25	14.5
S-602	3/4	.625	NBR	0	2.8	TORR@.003	MERC @.00039	25	14.5	25	14.5
S-603	1	1	NBR	0	8.3	TORR@.003	MERC @.00039	25	14.5	25	14.5
S-605	1 1/2	1.89	BUNA	.15	41	TORR@.005	MERC @.00039	45	27	45	27
S-606	2	2.0	BUNA	.15	50	TORR@.005	MERC @.00039	45	27	45	27
S-702	3/4	.75	FKM	0	7	105	-	-	-	267	80
S-703	1	1.02	FKM	0	12	105	-	-	-	267	80
S-705	1 1/2	1.26	FKM	0	18	105	-	-	-	267	80
S-706	2	1.50	FKM	0	27	105	-	-	-	267	80
S-801	1/2	.55	FKM	0	3.1	105	105	57	23	57	23
S-802	3/4	.71	FKM	0	5.03	105	105	57	23	57	23
S-803	1	1.02	FKM	3	13	225	225	45	27	45	27
S-805	1 1/2	1.50	FKM	3	29	225	225	45	27	45	27
S-806	2	1.97	FKM	3	47	225	225	45	27	45	27
S-811	1/2	.55	BUNA	0	3.1	105	105	57	23	57	23
S-812	3/4	.71	BUNA	0	5.03	105	105	57	23	57	23
S-813	1	1.02	BUNA	3	13	225	225	45	27	45	27
S-815	1 1/2	1.50	BUNA	3	29	225	225	45	27	45	27
S-816	2	1.97	BUNA	3	47	225	225	45	27	45	27
S-822	3/4	.79	BUNA	3	5.9	225	225	45	27	45	27
S-823	1	1.02	BUNA	3	13	225	225	45	27	45	27
S-825	1 1/2	1.50	BUNA	3	29	225	225	45	27	45	27
S-826	2	1.97	BUNA	3	47	225	225	45	27	45	27
S-832	3/4	.79	PTFE	7.5	5.9	255	-	45	27	45	27
S-833	1	1.02	PTFE	7.5	13	255	-	45	27	45	27
S-835	1 1/2	1.5	PTFE	7.5	29	255	-	45	27	45	27
S-836	2	1.97	PTFE	7.5	47	255	-	45	27	45	27

- *BTU @ 0.60 Specific Gravity W/pressure drop of 0.5inch water column
- Vacuum is rated @ TORR and inches of Mercury
- For Stainless Steel – Refer to S-200 Series Specifications

Solenoid Valve Specifications:

Series 200 are Brass General Service NPT, Normally Closed 2 psi differential Solenoid Valves.

Series 200-SS are Stainless Steel General Service NPT, Normally Closed 2 psi differential Solenoid Valve.

(Use 200-SS for lead free applications where lead free solenoids are not available.)

Series 220 are Lead Free Brass General Service NPT, Normally Closed 2 psi differential Solenoid Valves.

(Series 200 and 220 Solenoids are available W/ DC Latching Coils for use in Water Piping Systems)

Series 300 are Fuel gas, Aluminum construction Normally Closed Solenoid Valves.

(Designed for low pressure fuel gas applications.)

Series 400 are Brass General Service NPT, Normally Open 2 psi differential Solenoid Valves.

(Intended for use as Bypass Valves in Circulated Hot Water Systems.)

Series 500 are Brass General Service NPT, Low Wattage, Normally Closed 3 - 4.5 psi differential Solenoid Valves.

Series 600 are Brass thru 1", 1 ½ & 2 " Aluminum NPT, Normally Closed Solenoid Valves for Vacuum Systems.

(Suitable for Medium to Fine Vacuums only.)

Series 700 are Bronze NPT, Normally Closed Solenoid Valves for Fuel Oil Systems.

Series 800 are Brass NPT, Normally Closed Solenoid Valves for Oxygen, Acetylene, Argon, and CO2 Systems.

Series 810 are Brass NPT, Normally Closed Solenoid Valves for Hydrogen and Nitrogen Systems.

Series 820 are Brass NPT, Normally Closed Solenoid Valves for Hi Pressure Gas Systems.

Series 830 are Brass NPT, Normally Closed Solenoid Valves for Helium Systems.

General Service Solenoids: Where adverse or harsh operating conditions exists in the water system such as the presence of hard water, then it is recommended that only Series 200 Solenoids with 12-VDC latching coils be utilized and that an extensive routine operating and maintenance program be developed by the end user to counter the effects of these conditions. Where operation of water containing corrosive agents, exotic or harsh mediums are intended for control by solenoid then verify application prior to installation. ISIMET cannot warrant against the effects of hard water, corrosive agents, contaminants, or debris present in the piping system or against effects of exotic or harsh substances. If specific operation conditions are in doubt, contact ISIMET prior to installation.

Maximum operating temperature for the solenoid is 180° F / 82.2° C

Coil Rating: Continuous duty totally encapsulated. Voltage Tolerances: +10%, - 10% of applicable voltage.

All Solenoid Standard Coils have a NEMA 1 Rating. Some valves are available as weather resistant and/or explosion proof.

DC Latching Coils are intended for use in applications where the presence of hard or corrosive water is anticipated to cause premature failure in the operation of the valve.

General Service Solenoids

Body:	Brass
Armature Tube:	Stainless Steel 300
Fixed Core:	Stainless Steel 400
Plunger:	Stainless Steel 400
Spring:	Stainless Steel 300
Shading Ring:	Copper
Orifice:	Brass

Series 220 Lead Free Solenoids

Body:	Lead Free Brass
Armature Tube:	Stainless Steel 300
Fixed Core:	Stainless Steel 400
Plunger:	Stainless Steel 400
Spring:	Stainless Steel 300
Shading Ring:	Copper
Orifice:	Lead Free Brass

Ball Valve Specifications:

Apollo or Nibco Bronze 2-Piece Ball Valve. (or equivalent)

All valves are full port, bronze

Valve Station Suffix:

“TUT” – General Service Double -Threaded Union (Through 1”) **600 psi CWP MSS SP-110**

“TU” – General Service Threaded Union **150 psi SWP 600 psi CWP MSS SP-110**

“XU” – Non-Union **150 psi SWP 600 psi CWP MSS SP-110**

“FB” – General Service Non-Union W/ integral 20 mesh strainer (Jomar Mfg.) (1/2” – 2”) **150 psi WSP 400 psi WOG**

FB & TUT Non Lead Free only – TUT will be phased out by Mid-Summer

Valves for fuel gas systems are UL Listed but are not available with the integral output union or strainers (XU) only.

Valves greater than 2” only available in “XU”

Recommend the use of Series 220 for all domestic water systems.

1/2” & 2” Lead Free Solenoids are Currently Not Available. Recommend use of S-200-SS for these applications.

S-301 – S-304 & S-308 are 0 Differential; S-305 & S-306 are 0.015 psi Differential.

Caution should be used if S-305 and S-306 solenoids are used in science lab applications.



“Building a Safe & Secure Southern California”

Request For Change Order

To: Oltmans Construction Co
10005 Mission Mill Road
Whittier, CA 90601

Project: Oltmans Magnolia Science Cnt

RFC No: 19

Date: 5/14/2019

Description: SCOPE:

Electrical Construction: This Change Order Request is for the Added SOW Pursuant to RFI 191 Response. Please see breakdown attached.

INCLUDES:

This proposal includes all materials, tax, equipment, and labor as needed to provide a complete and operable system for work as described herein.

EXCLUDES:

Overtime

Shift work

Permits & Fees

Inclusions and Exclusions of the Original Executed Contract will apply to this cost estimate

Anything not expressly included above



“Building a Safe & Secure Southern California”

Request For Change Order

To: Oltmans Construction Co
10005 Mission Mill Road
Whittier, CA 90601

Project: Oltmans Magnolia Science Cnt

The above work is subject to the same conditions as specified in the original contract unless otherwise stipulated.

Upon approval the sum of \$774.00 will be added to the contract price.

Original Contract	\$473,950.00
Other Approved Change Orders	\$10,847.53
Total Contract to Date	\$484,797.53
This Request	\$774.00
Other Pending Requests	\$70,525.76
Total Contract plus Pending RFCs	\$556,097.29

Authorized Signature: _____ Date: _____
Safeway Building Systems, Inc

Authorized Signature: _____ Date: _____
Oltmans Construction Co

1474 Miller Drive | Colton, CA 92324
Phone (909) 824-6441
Fax (909) 824-0571

www.safewaybsi.com

Lic # B/C-10 387886
Lic # C-46, C-7
ACO# 3998



Since 1980

"Building a Safe & Secure Southern California"

Change Order Request Form

Customer Oltmans Construction Project: Magnolia Science Academy
 Job Number: E129718
 Date: 10/15/18 COR 19

This COR is for the Added SOW Pursuant to RFI 191 Response.
The following SOW will be performed:

- 1. Provide power for the 24vac for the gas shut off system located above the T-bar in Room 201 Chem Lab**
- 2. Mount a push button emergency shut off switch, (to be provided by others), on the teachers island/desk as a means of disconnect**

Labor Costs

Position	Hours Worked	Hourly Rate	OT Hours	OT Rate	Total Cost
Journeyman	6	\$ 85.00		\$ 127.50	\$ 510.00
Foreman	1	\$ 95.00		\$ 142.50	\$ 95.00
Superintendent		\$ 105.00		\$ 157.50	-
Mark Up 10%					\$ 60.50
Total Labor Costs					\$ 665.50

Material Costs

See Material Breakout Report Attached	\$ 91.33
Subtotal	\$ 91.33
Sales Tax 8%	\$ 7.31
Mark Up 10%	\$ 9.86
Total	\$ 108.50

Equipment Costs

Description	Day	Rate	Total
		\$ -	\$ -
Mark-Up 10%			\$ -
Total Equipment Costs			\$ -

Subcontractors

	\$ -
	\$ -
	\$ -
Subcontractor Costs	\$ -
Mark-up @ 10%	\$ -
Total Subcontractor Costs	\$ -

Total Daily Change Order Due \$ 774.00

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
Section : Section 001: BR PWR - ADDED SOW PURSUANT TO RFI 191					
	38AST MC CONNECTOR	2.00	EACH	2.54	0.3600
	3/8" 1 HOLE STRAP	15.00	EACH	2.88	0.4500
	MISC MATERIALS	1.00	LOT	26.40	0.3750
1/2"	FLEX CONDUIT	15.00	FEET	7.74	0.4500
1/2"	FLEX STR. CONN	2.00	EACH	8.40	0.3000
4 SQ BOX	1-1/2D 1/2 & 3/4 KO	2.00	EACH	2.18	0.3600
4 SQ	4 SQ BLANK COVER	2.00	EACH	0.86	0.0900
#12-2/C	MC CABLE W/GRN GRD	80.00	FEET	40.32	3.3600
Subtotals for Section : Section 001: BR PWR - ADDED SOW PURSUANT TO RFI 191				91.33	5.7450
Grand Totals				91.33	5.7450



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM
PCI035

TITLE: Millwork Submittal Changes Added Costs **DATE:** 05/24/2019
PROJECT: Magnolia Science Academy **PROJECT NO.:** 18049
TO:
Magnolia Educational and Research Foundation
 250 E. 1st St., 1500
 Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

Scope Description This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment as required per changes at submittal review:

_Add \$1,840 - Millwork: COR 8339-01 Extend cabinets and counter top per submittal 064000-02 3 feet (drain pipe shaft eliminated at Bio lab Room #202)

Vendor	Description	Amount
S & H CABINETS & MFG.	Finish Carpentry (COR#8339-01)	1,840.00
	SUBTOTAL:	1,840.00
	Bond	16.00
	Gross Tax	3.00
	GL	18.00
	SDI	23.00
	Fee	95.00
	SUBTOTAL:	155.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		1,995.00

APPROVAL:
Oltmans Construction Co.

BY: Trevor Lawton
DATE:

APPROVAL:
Magnolia Educational and Research

BY:
DATE:



10860 MIDBURY Ave.
Fontana, CA 92337
909.357.0551
Est. 1954
www.shcabinets.com

November 27, 2018

Page 1 Of 1

Oltmans Construction Company
10005 Mission Mill Road,
Whittier, CA 90601
(562)948-4242 Fax (562)463-4984
Trevor Lawton

Project: Magnolia Science Academy
18220 Sherman Way
Reseda, CA 91335

PCO # 8339- 01

WE HEREBY SUBMIT THIS PROPOSED CHANGE ORDER TO provide and install Added Base Cabinet, Upper Cabinet and extended quartz countertop **PER RETURNED Shop Drawings #064000-02**

Scope: Room 202 Added 3' of Base cabinets and Countertop

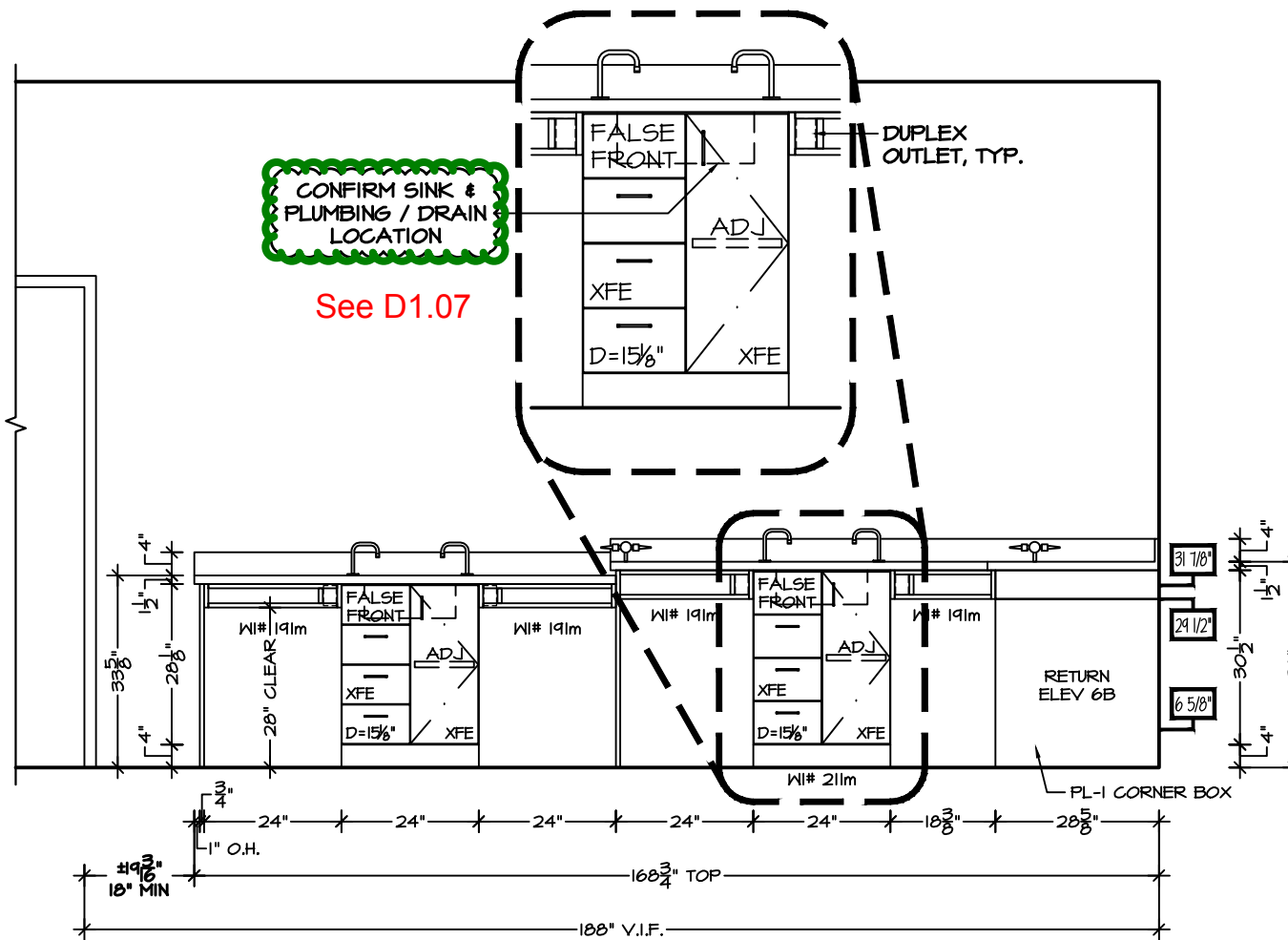
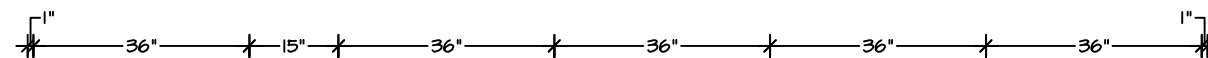
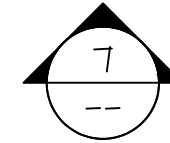
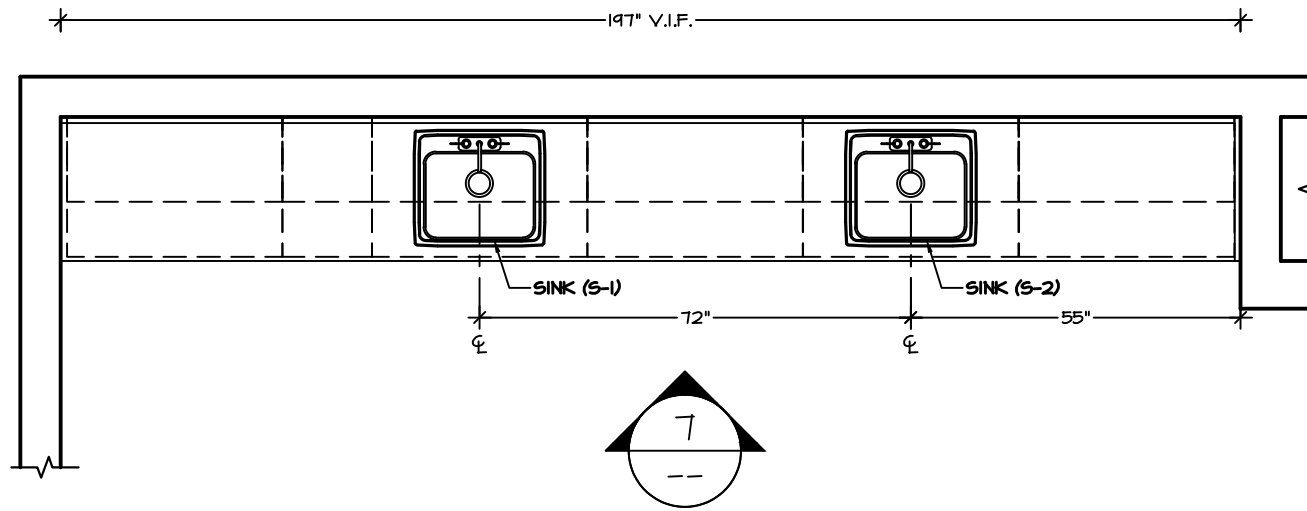
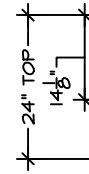
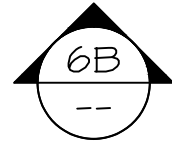
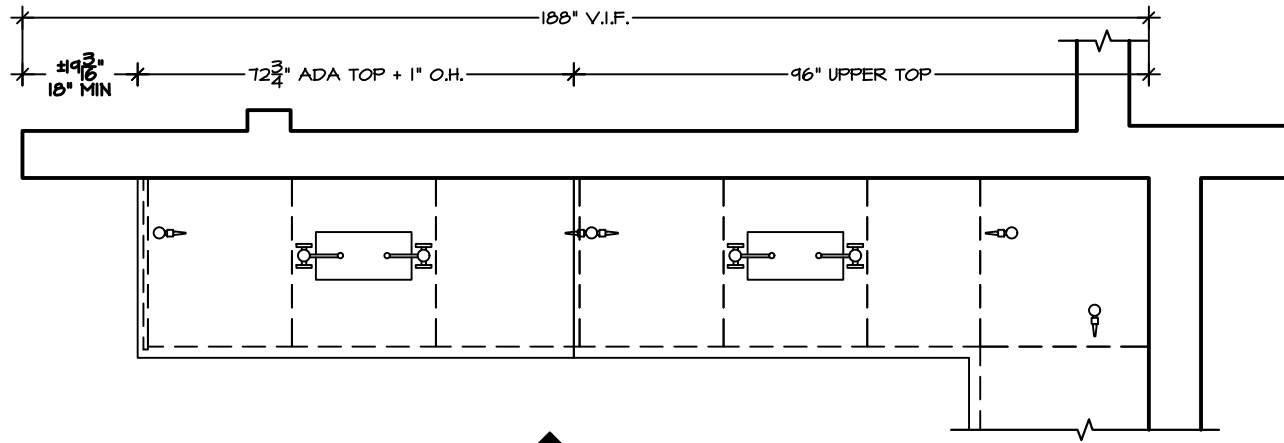
Total Add:\$ 1,840

Acceptance of this bid includes by reference, acceptance of our "Standard Terms and Conditions" which are an integral part of this bid and include but are not limited to the following: Payment net 30 days. Price valid for 60 days. Excludes "pay when and if paid" or similar contract clauses. Excludes CG20101185 additional insured endorsement. Includes additional insured endorsement form GC20101001. Other forms may be available at an added cost. Includes sales tax if applicable. Includes 10% fee for mobilization, shop drawings, samples, etc. If plastic laminate is not specified, we may select laminate manufacturer and a non-premium priced single color for entire job. This proposal shall become part of contract or purchase order if price is accepted.

Thank You,
Rich Hansen

ACCEPTED BY _____

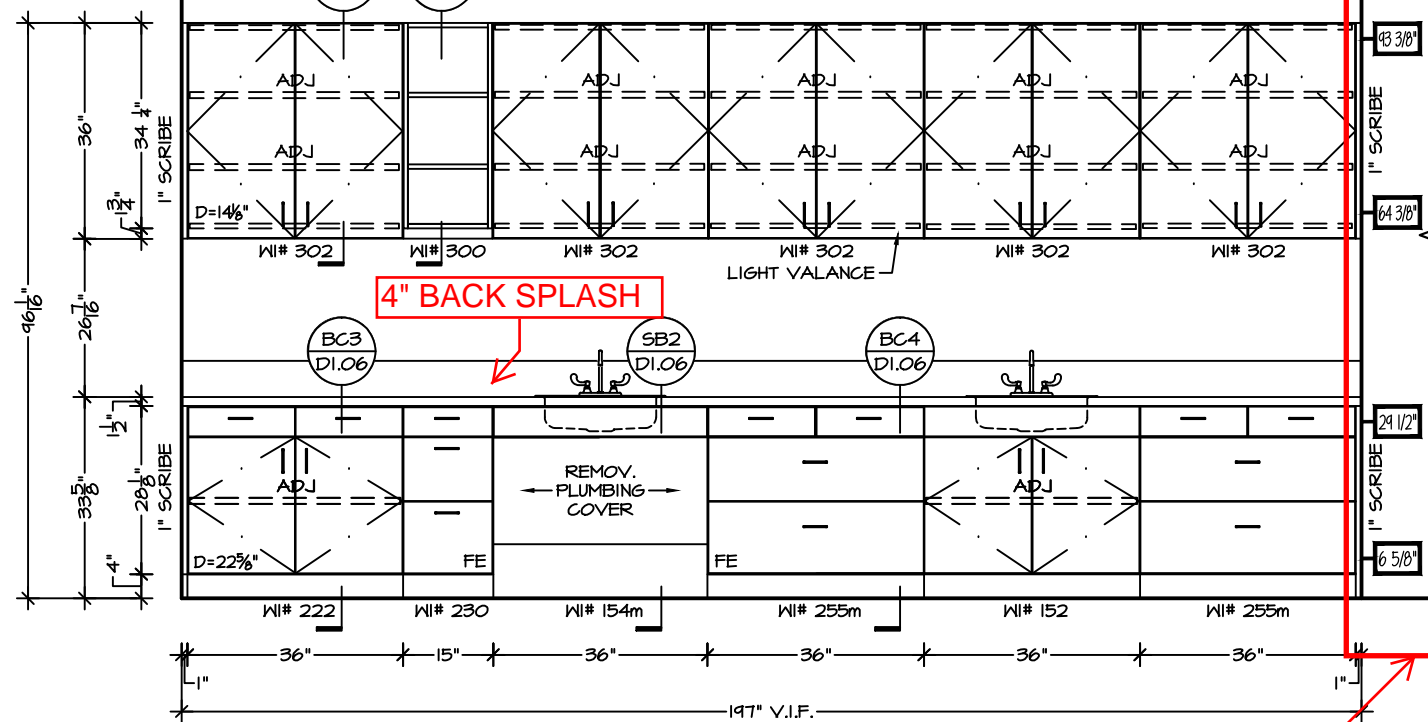
PART OF 064000-02 REVIEWED SUBMITTAL



CONFIRM SINK & PLUMBING / DRAIN LOCATION

See D1.07

6B LAB DESKS WEST ELEVATION
SCALE: 3/8"=1'-0"
REF. ARCH. PLAN: 1/A9.3
REF. ARCH. ELEV: 8/A9.3
COUNTERTOP: QS-1
CABINETS: PL-1



4" BACK SPLASH

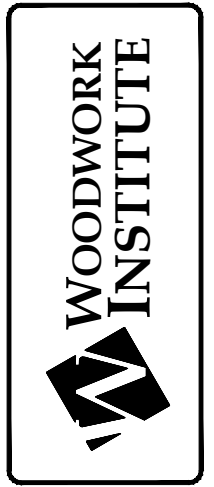
7 BIO LAB, ROOM 202
SCALE: 3/8"=1'-0"
REF. ARCH. PLAN: 4/A9.3
REF. ARCH. ELEV: 7/A9.3
COUNTERTOP: QS-1
CABINETS: PL-1

drain pipe shaft got eliminated- extend millwork to wall see SK- 029 attached

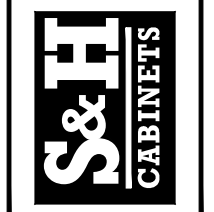
A/E Please verify all clouded items

TYPICAL ARCHITECT / G.C. SHEET NOTES:
ALL ADA ACCESSIBLE CASEWORK IS MANUFACTURED 3/8" LESS THAN THE SPECIFIED HEIGHT. THIS ALLOWS COMPLIANCE WITH ADA CODE REQUIREMENTS & SHIM SPACE TO ADAPT TO OUT OF LEVEL FLOORS.
ALL DIMENSIONS ARE APPROXIMATE AND ARE NOT FIELD VERIFIED. USE OF THESE DRAWINGS FOR CONSTRUCTION PURPOSES IS AT YOUR OWN RISK

PROJECT NAME
Magnolia
Science Academy



10860 Mulberry Ave.
Fontana, CA 92337
909.357.0551
Est. 1954
www.shcabinets.com



JOB #
8239AD

SHEET
1.07

Cover Sheet

Approval of MSA-1 FF&E Order

Section: III. Action Items
Item: B. Approval of MSA-1 FF&E Order
Purpose: Vote
Submitted by:
Related Material: III B MSA-1 Furniture Fixtures and Equipment Procurement.pdf



Ad Hoc Committee Agenda Item #:	III B- Action Item
Date:	June 3, 2019
To:	Magnolia Educational & Research Foundation dba Magnolia Public Schools (" MPS ") Ad Hoc Committee (the " Committee ")
From:	Alfredo Rubalcava, CEO & Superintendent
Staff Lead:	Patrick Ontiveros, General Counsel & Director of Facilities
RE:	MSA-1 Furniture Fixtures & Equipment Procurement

I. Proposed Recommendation(s)

Staff recommends that the Ad Hoc Committee approve Hertz Furniture ("**Hertz**") as the vendor to provide furniture fixtures and equipment ("**FF&E**") for the new building being constructed at 18220 Sherman Way for the benefit of MSA-1 (the "**Project**") and award a contract for the purchase of the FF&E to Hertz.

II. Background

A. Authority

At the April 11, 2019 Meeting of the Board of Directors of MPS (the "**Board**"), the Board granted to the Ad Hoc Committee the authority to approve the purchase of FF&E for the Project.

B. Procurement

MPS Staff published an RFP for the FF&E procurement on April 24, 2019 including posting it on the MPS and MSA-1 websites and forwarding the RFP to four (4) specific vendors. Addenda #s 1, 2 and 3 were subsequently published and provided to vendors. The RFP and the addenda are attached as Exhibit A. Four (4) bids were received by the deadline.

C. Review of Bids

A selection committee consisting of MPS staff reviewed the bids in detail to confirm responsiveness and to confirm that no information was missing. Clarifications were sought from the vendors. Upon a careful review of the bids, the selection committee recommend that the bid from Hertz Furniture be accepted and Hertz be award the contract for the provision of the FF&E.



D. Contract

MPS Staff is in the process of developing a contract to be used for the procurement. MPS Staff expects to use AIA Document A151™–2019 which is a stand-alone agreement and is intended for situations where a vendor will provide a large amount, or perhaps even all, of the furnishings, furniture, and equipment (FF&E) for a project, such as here. A template contract is attached as Exhibit C. “AIA” stands for the American Institute of Architects. AIA publishes a suite of template contracts that are widely used in the design and construction industry. A151 is an agreement for the sale of goods and is governed by the law of the place where the Project is located, including the jurisdiction’s Uniform Commercial Code as adopted. In A151, the Vendor not only sells and delivers FF&E, it also is responsible for incidental onsite Work such as placing, assembling, and installing the FF&E. A151 includes Vendor insurance requirements and requires the Vendor to coordinate its Work with the work of others on the Project. The Owner is required to provide the Vendor with access to the Project, storage space, and areas to perform the Work.

In the event that Hertz is not amenable to the aforementioned contract, MPS Staff will negotiate a contract that provides substantially similar protections to MPS.

III. Budget Impacts

The Project budget carries a line item of **\$325,000** for FF&E. The total bid amount from Hertz is approximately **\$216,000**. See Exhibit B. MPS staff therefore expects a savings of **\$109,000** that will be transferred to and carried under contingency until completion of the Project. MPS Staff will also look into the prospect of financing the FF&E purchase in order to conserve cash. In the event, MPS Staff believes it would in the best interests of MSA-1 and MPS to finance such purchase and such financing is allowable under MPS and MSA-1’s various loan covenants, MPS Staff will return to the Committee to make a recommendation for financing.

Exhibits (attachments):

- A. RFP
- B. Hertz Furniture Bid
- C. Form of Contract -- AIA Document A151™–2019



Exhibit A

RFP

(see following pages)



MAGNOLIA PUBLIC SCHOOLS

Request for Proposals
to Provide Furniture, Fixtures & Equipment
for Magnolia Science Academy 1 | Reseda

Due Date:

May 7, 2019

1.0 INTRODUCTION

Magnolia Education & Research Foundation ("MERF") doing-business as Magnolia Public Schools ("MPS"), a charter school management organization, operates Magnolia Science Academy 1, a middle and high school ("MSA-1") located at 18238 Sherman Way in the Reseda neighborhood of Los Angeles. MPM Sherman Way LLC, an affiliate of MPS, owns the property at 18220 Sherman Way (the "Project Site") immediately adjacent to the 18238 Sherman Way campus. MPS is in the process of constructing a new building at the Project Site that will house MSA-1's high school population. A floor plan of the new building is attached as Exhibit A.

The purpose of this RFP is to solicit bids to provide furniture, fixtures and equipment ("FF&E") to furnish the new high school building.

Site Tour

A site tour will be facilitated if requested.

Proposals Due

Responses to the RFP are due no later than **5:00 PM (PST), Tuesday, May 7, 2019**, to the following individual:

Patrick Ontiveros
Director of Facilities
Magnolia Public Schools
250 East 1st Street
Suite 1500
Los Angeles, CA 90012
pontiveros@magnoliapublicschools.org
(213) 628-3634 x 103

Questions regarding this RFP may be directed to the individual identified above via email.

Proposal Format:

One (1) electronic PDF copy (by email) of your proposal must be delivered to the person indicated by the deadline stated above and one (1) hard copy must be delivered to the above address no later than two (2) business days thereafter. Please endeavor to keep any emailed material to a single manageable file size (at or about 10 MBs) so that it may be easily distributed to the Selection Committee.

Respondents are encouraged to only include information pertinent to the project and the Selection Committee's ability to select the vendor best suited to successfully complete this job.

Interviews:

Interviews will be held at the discretion of MPS and MSA-1. Interviews, if any, are expected to be held on **May 9th or 10th**. Location and time are to be determined.

Respondents will meet with the Selection Committee for approximately ½ hour to 1 hour. The interview will be an open, unscripted format. Respondents will have 20 minutes to present any information they feel is pertinent followed by questions and answers and general discussion.

Selection Committee:

The Selection Committee will be composed of representatives from MPS and MSA-1.

1.1 Timeline

RFP Distributed:	April 24, 2019
Proposals Due:	May 7, 2019
Interviews, if any (exact date and time TBD):	May 9 or 10, 2019
Selection Announced	May 14, 2019
Delivery of FF&E:	On or about July 3, 2019

2.0 FF&E DESCRIPTION

A description of the FF&E that is the subject of this RFP is attached as Exhibit B and corresponds to the floor plans attached as Exhibit A. In some instances, links are provided to products that fit the school's needs.

MPS and MSA-1 may issue an addendum to this RFP for additional FF&E.

3.0 PROPOSAL FORMAT

The Respondent shall format its response as set forth below to facilitate timely review and selection. Please be specific to the RFP, and do not include materials not explicitly requested, such as generic marketing materials.

Your response should include the following:

- Letter of interest
- Name of your company and the individual responsible for the account
- Restate all the requirements of Section 4.0 and provide responses to each

See Section 1.0 for additional proposal format clarifications.

4.0 PROPOSAL REQUIREMENTS

4.1 Cost

The Respondent's proposal should include an overall cost and should also be broken down in detail to provide a cost for each separate piece of FF&E. The proposal should also provide a break-down of any and all other costs and fees including, but not limited to, labor, delivery fees, installation fees, applicable taxes, etc. In order to meet its budget for the purchase of FF&E, MPS reserves the right to accept Respondent's proposal in whole or in part.

4.2 Product Information / Cut Sheets

The Respondent's proposal shall include a description of the FF&E proposed to be provided in accordance with the requirements set forth in Exhibit B. Where a Respondent believes there are multiple types of FF&E that may satisfy the requirements stated herein, the Respondent may provide such alternatives explaining the difference in each alternative and describing the cost differences.

4.3 Warranty Information

Provide a description of the warranty provided for the FF&E to be delivered.

4.4 Financing Availability

If Respondent provides financing for the purchase of the FF&E, Respondent should provide a description of such financing including but not limited to the terms and conditions of such financing (for example, additional fees, interest rate, amortization schedule).

4.5 Schedule

Respondent shall provide an affirmative statement of its ability to deliver the FF&E by the date indicated herein.

5.0 CONTACT

Questions to Owner will be accepted via email by the Director of Facilities identified above. Answers to questions will be provided to all participants as available.

6.0 REQUEST FOR PROPOSAL EXHIBITS

Exhibit A: Floor Plans

Exhibit B: FF&E

7.0 BID ACCEPTANCE/REJECTION

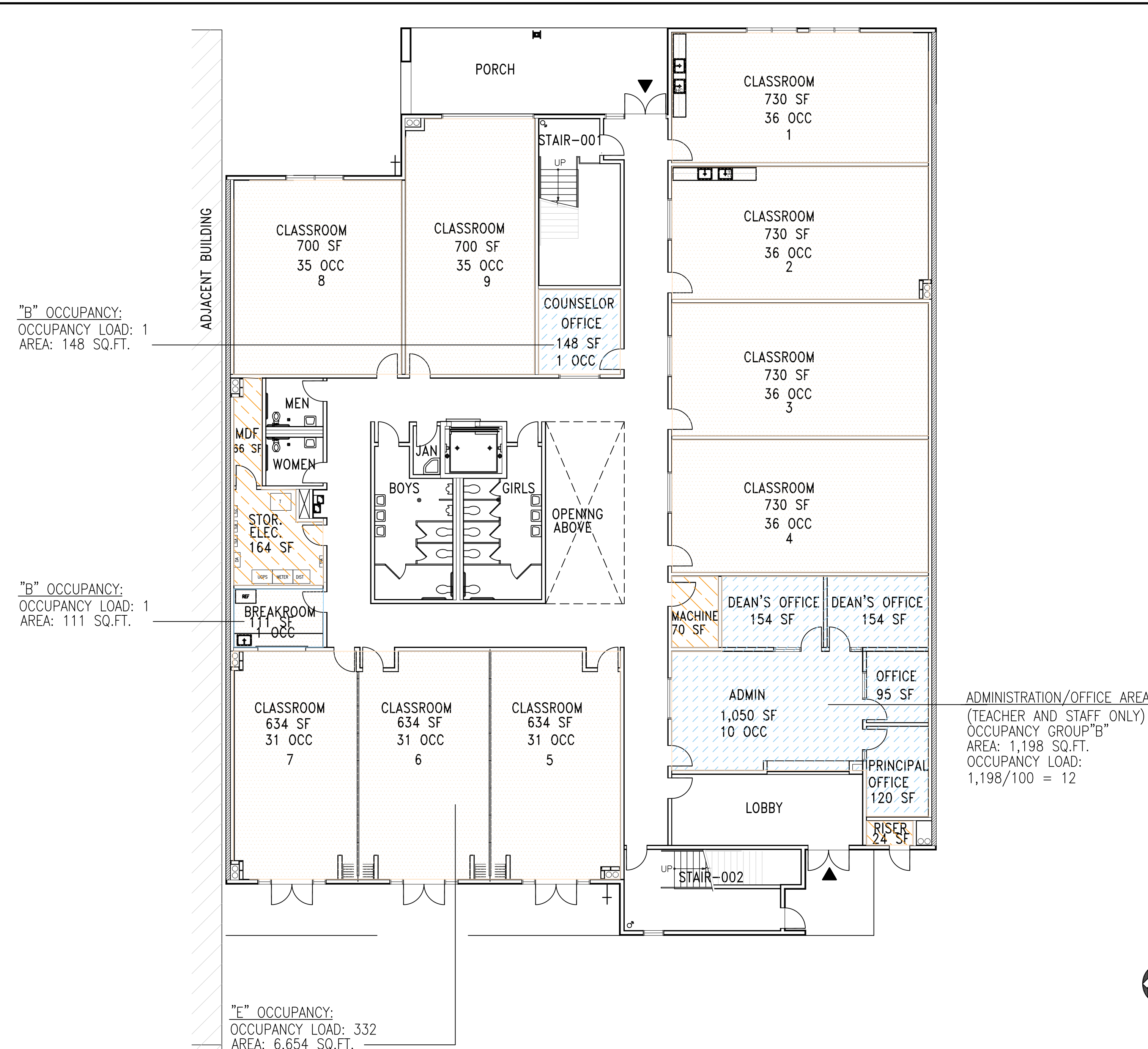
The Owner reserves the right to reject any or all proposals, or cancel the solicitation process at its sole discretion.

8.0 PROPOSAL VALIDITY

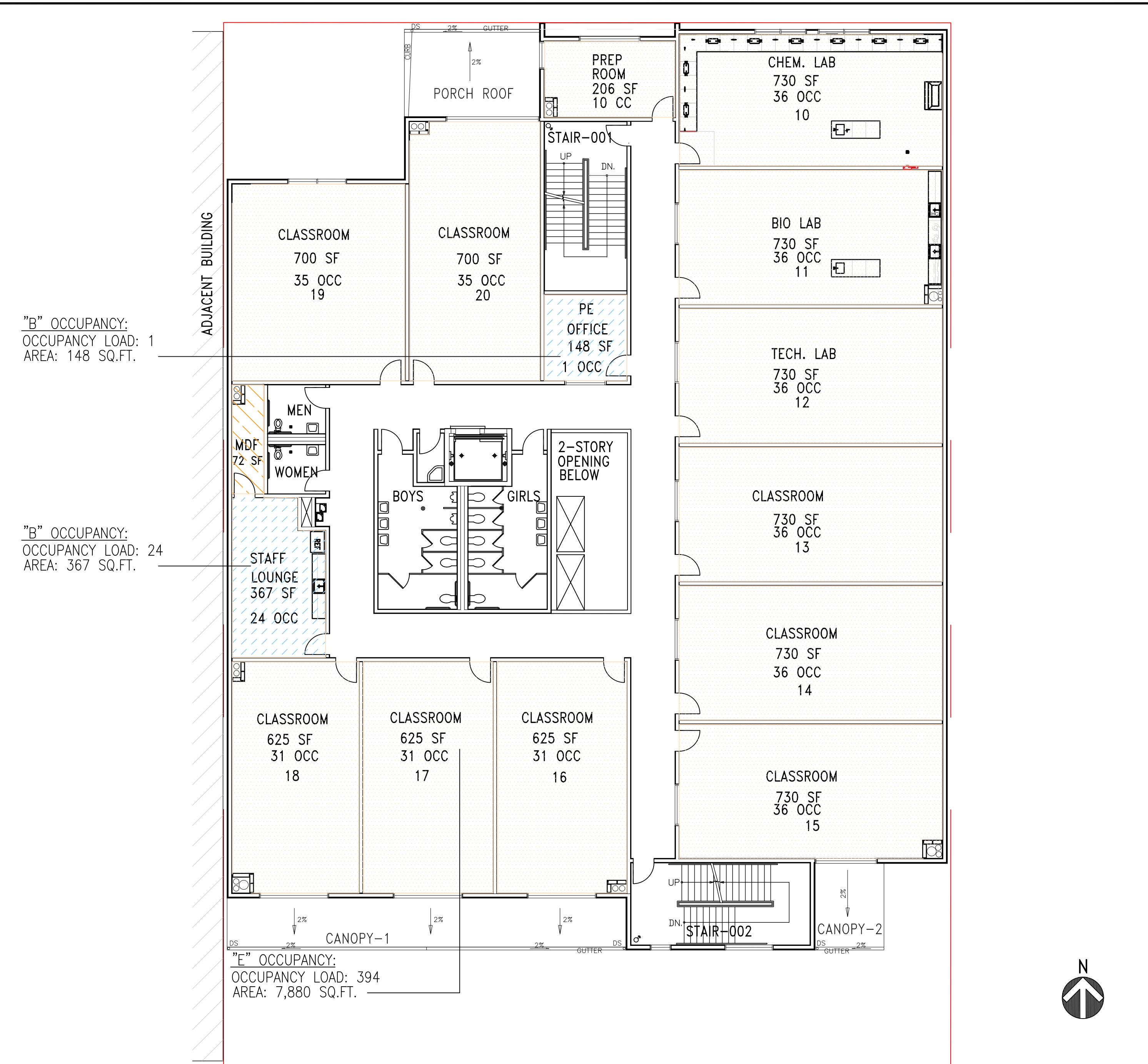
RFP responses shall be valid until execution of a contract, which is expected to occur on or about May 2019. No changes to information received within the Respondent's proposal shall be changed or altered without approval by the Owner.

Exhibit A

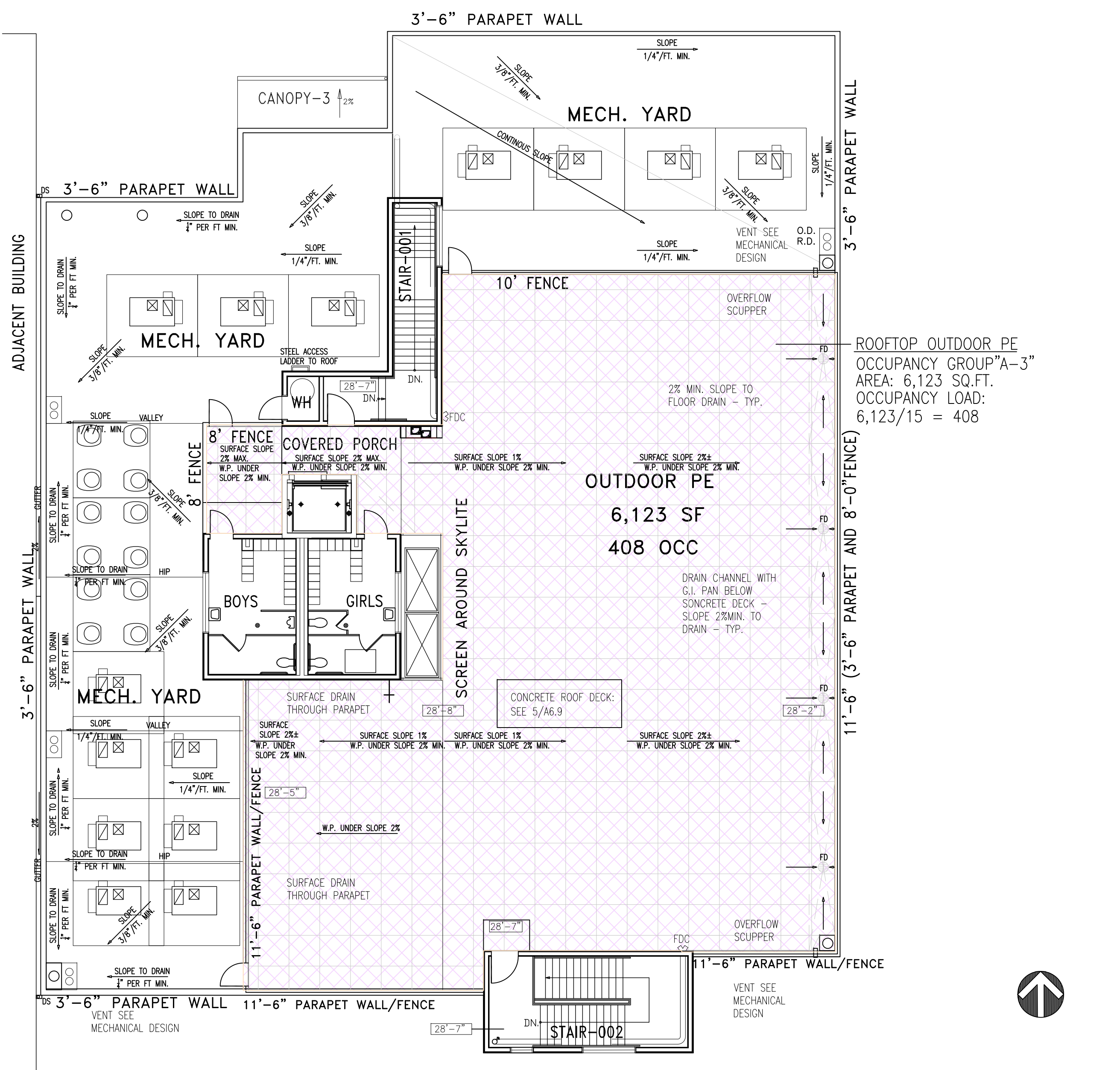
Floor Plans



1 FIRST FLOOR PLAN
SCALE: 3/32" = 1'-0"



2 SECOND FLOOR PLAN
SCALE: 3/32" = 1'-0"



3 ROOF PLAN
SCALE: 3/32" = 1'-0"

CONSTRUCTION TYPE: TYPE III-B WITH SUPERVISED AUTOMATIC SPRINKLER SYSTEM THROUGHOUT 2 HR RATED EXTERIOR BEARING WALL CONSTRUCTION.

ALLOWABLE FLOOR AREAS
2016 CALIFORNIA BUILDING CODE SECTION 506
FLOOR AREA: THE AREA INCLUDED WITHIN SURROUNDING EXTERIOR WALLS (OR EXTERIOR WALLS AND FIRE WALLS) EXCLUSIVE OF VENT SHAFTS AND COURTS. AREA OF THE BUILDING NOT PROVIDED WITH SURROUNDING WALLS SHALL BE INCLUDED IN THE BUILDING AREA IF SUCH AREAS ARE INCLUDED WITHIN THE HORIZONTAL PROJECTION OF THE ROOF OR FLOOR ABOVE.

OCCUPANCY TYPE: E AND B

TOTAL GROSS FLOOR AREA: 1ST FLOOR AREA: 12,706 SF
2ND FLOOR AREA: 11,610 SF
ROOF FLOOR AREA: 912 SF
TOTAL: 25,228 SF

- LEGENDS OF OCCUPANCY**
- B OCCUPANCY OFFICE AREA
 - E OCCUPANCY CLASSROOMS & ROOFTOP PE AREA
 - S-2
 - A-3 OCCUPANCY ROOFTOP OUTDOOR AREA

4 BUILDING LIMITATION CALCULATION
SCALE: 3/32" = 1'-0"

ALLOWABLE NUMBER OF STORIES
ALLOWABLE NUMBER OF STORIES: 3 (WITH SPRINKLER INCREASE)

NON-SEPERATED OCCUPANCIES
ALLOWABLE FLOOR AREA CALCULATION
NON-SEPERATED E OCCUPANCY

GROUND FLOOR - ALLOWABLE FLOOR AREA FOR EACH OCCUPANCY

E OCCUPANCY PER STORY:
TABULATED ALLOWABLE FLOOR AREA FOR E OCCUPANCY PER TABLE 506.2
ALLOWABLE BUILDING HEIGHT: 75' (PER TABLE 504.3)
ALLOWABLE BUILDING FLOOR AREAS: 14,500 SF (PER TABLE 506.2)

ACTUAL BUILDING FIRST FLOOR AREAS (FOR E OCCUPANCY): 12,706 SF

SECOND FLOOR - ALLOWABLE FLOOR AREA FOR EACH OCCUPANCY

E OCCUPANCY PER STORY:
TABULATED ALLOWABLE FLOOR AREA FOR E OCCUPANCY PER TABLE 506.2
ALLOWABLE BUILDING HEIGHT: 75' (PER TABLE 504.3)
ALLOWABLE BUILDING FLOOR AREAS: 14,500 SF (PER TABLE 506.2)

ACTUAL BUILDING SECOND FLOOR AREAS (FOR E OCCUPANCY): 11,610 SF

ROOF LEVEL - ALLOWABLE FLOOR AREA FOR EACH OCCUPANCY

E OCCUPANCY PER STORY:
TABULATED ALLOWABLE FLOOR AREA FOR E OCCUPANCY PER TABLE 506.2
ALLOWABLE BUILDING HEIGHT: 75' (PER TABLE 504.3)
ALLOWABLE BUILDING FLOOR AREAS: 14,500 SF (PER TABLE 506.2)

ACTUAL BUILDING ROOFTOP AREAS (FOR E OCCUPANCY): 912 SF

ALLOWABLE BUILDING AREA CHECK

GROUND FLOOR PER 508.4.2

$$E \text{ OCCUPANCY } \frac{\text{ACTUAL SF}}{\text{ALLOWABLE SF}} = \frac{12,706}{14,500 \text{ SF}} = 0.88 < 1$$

2ND FLOOR PER 508.4.2

$$E \text{ OCCUPANCY } \frac{\text{ACTUAL SF}}{\text{ALLOWABLE SF}} = \frac{11,610}{14,500 \text{ SF}} = 0.80 < 1$$

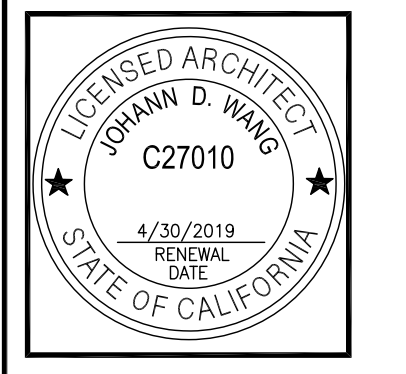
3RD FLOOR PER 508.4.2

$$E \text{ OCCUPANCY } \frac{\text{ACTUAL SF}}{\text{ALLOWABLE SF}} = \frac{912 \text{ SF}}{14,500 \text{ SF}} = 0.06 < 1$$

TOTAL BLDG. SF CHECK:
25,228 SF (TOTAL BLDG. SQ. FT.) < 29,000 SF ALLOWED PER 506.2

OCCUPANCY SEPARATION:
NO SEPARATION IS REQUIRED BETWEEN NON-SEPERATED OCCUPANCIES. PER SEC. 508.3.3

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	PD PLAN CHECK	10/31/2017
3	PD PLAN CHECK	12/14/2017



PROJECT	
MAGNOLIA SCIENCE ACADEMY	
PROJECT ADDRESS	
18220 SHERMAN WAY, RESEDA, CA 91335	
DRAWING TITLE	
BUILDING LIMITATIONS	
DRAWN BY	DATE
AS NOTED	12/14/2017
CHECKED BY	SCALE
AS NOTED	AS NOTED
APPROVED BY	DATE

Exhibit B

FF&E Schedule by Room

Item	Description	Quantity
Lobby Seating	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM3724/products_id/PRO11359	6
TV	https://www.staples.com/vizio-d-d60-f3-55-2160p-led-lcd-tv-16-9-4k-uhdtv/product_IM12TM060	1
Magazine Stand	https://www.staples.com/Safco-23-Pocket-Steel-Magazine-Rack-Black/product_148302	1
Trophy Case	https://www.schoolspecialty.com/trophy-case-1399724	1
	Navy	
Bulletin Board	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM52960&products_id=PRO71117	1

Item	Description	Quantity
File Cabinet	https://www.staples.com/Staples-5-Drawer-Letter-Size-Vertical-File-Cabinet-Black-26-5-Inch/product_368568	7
Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	3
Cubbies	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM2467/products_id/PRO7686	3
Shelving	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Supply Closet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	2
Office Chairs	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	3

Item	Description	Quantity
Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Office Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
File Cabinet	https://www.staples.com/Staples-5-Drawer-Letter-Size-Vertical-File-Cabinet-Black-26-5-Inch/product_368568	1
Guest Chair	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM3724/products_id/PRO11359	2

Item	Description	Quantity
Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO6464	3
Office Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	3
Visitor's Chair	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM3724/products_id/PRO11359	6
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	3

Item	Description	Quantity
Lunch tables		TBD
Trash bins	Rubbermaid Trash Can - Reseda Janitorial	4

Item	Description	Quantity
Chair and Table Set	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM50152/products_id/PRO66771	1
	36x72 Graphite Nebula Top, Black Base	
Mailbox	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM2472/products_id/PRO7884	1
Refrigerator	https://www.homedepot.com/p/Whirlpool-20-5-cu-ft-Top-Freezer-Refrigerator-in-Black-WRT311FZDB/205658150	1
Supply Closet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	2

Item	Description	Quantity
Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO6464	2
Office Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	2
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase	1

Item	Description	Quantity
Lunch tables		TBD
Trash bins	Rubbermaid Trash Can - Reseda Janitorial Supply	2

Item	Description	Quantity
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Teacher Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Student Desks	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM21250/products_id/PRO37991	30
	Solid Plastic Top, White Nebula Desktop Color, Champagne Metallic Frame Color, Bag Hook	
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM1560/products_id/PRO4743	30
	Seat Height 18", Color Sky Blue	

Item	Description	Quantity
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Student Desks	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM21250/products_id/PRO37991	30
	Solid Plastic Top, White Nebula Desktop Color, Champagne Metallic Frame Color, Bag Hook	
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM1560/products_id/PRO4743	30
	Seat Height 18", Color Sky Blue	

Item	Description	Quantity
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Student Desks	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM21250/products_id/PRO37991	30
	Solid Plastic Top, White Nebula Desktop Color, Champagne Metallic Frame Color, Bag Hook	
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM1560/products_id/PRO4743	30
	Seat Height 18", Color Sky Blue	

Item	Description	Quantity
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Student Desks	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM21250/products_id/PRO37991	30
	Solid Plastic Top, White Nebula Desktop Color, Champagne Metallic Frame Color, Bag Hook	
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM1560/products_id/PRO4743	30
	Seat Height 18", Color Sky Blue	

Item	Description	Quantity
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Folding Tables	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM53587&products_id=PRO72103	15
Stackable Chairs	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM51423&products_id=PRO68951	1
	Color: Navy	
Teacher's desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1

Item	Description	Quantity
Teacher's desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Teacher's chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Folding Tables	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM53587&products_id=PRO72103	15
Stackable Chairs	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM51423&products_id=PRO68951	1
	Color: Navy	

Item	Description	Quantity
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Teacher's desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Folding Tables	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM53587&products_id=PRO72103	15
Stackable Chairs	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM51423&products_id=PRO68951	1
	Color: Navy	
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1

Item	Description	Quantity
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Student Desks	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM21250/products_id/PRO37991	30
	Solid Plastic Top, White Nebula Desktop Color, Champagne Metallic Frame Color, Bag Hook	
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM1560/products_id/PRO4743	30
	Seat Height 18", Color Sky Blue	

Item	Description	Quantity
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Student Desks	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM21250/products_id/PRO37991	30
	Solid Plastic Top, White Nebula Desktop Color, Champagne Metallic Frame Color, Bag Hook	
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM1560/products_id/PRO4743	30
	Seat Height 18", Color Sky Blue	

Item	Description	Quantity
Lab Table	https://www.hertzfurniture.com/lab-tables--high-pressure-laminate-lab-table-with-book-box--14186--mo.html	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	2
Acid Storage	https://www.flinnsci.com/flinnscimatco-stak-a-cab-acid-cabinet/se1460/	1
Base Storage	https://www.flinnsci.com/flinnscimatco-stak-a-cab-acid-cabinet/se1460/	1
Flammable Storage	https://www.flinnsci.com/flinnscimatco-stak-a-cab-flammables-cabinet/se1860/	1

Item	Description	Quantity
Lab Tables	https://www.hertzfurniture.com/lab-tables--high-pressure-laminate-lab-table-with-book-box--14186--mo.html	12
Lab Stools	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM47602/products_id/PRO62865	36
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1

Item	Description	Quantity
Lab Tables	https://www.hertzfurniture.com/lab-tables--high-pressure-laminate-lab-table-with-book-box--14186--mo.html	12
Lab Stools	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM47602/products_id/PRO62865	36
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1

Item	Description	Quantity
Teacher Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Tables	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM49750/products_id/PRO66185	15
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM49750/products_id/PRO66185	30
Another Table option	https://www.schooloutfitters.com/catalog/product_family_info/mPath/MAN680_CAT112/pfam_id/PFAM51821	

Item	Description	Quantity
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Student Desks	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM21250/products_id/PRO37991	30
	Solid Plastic Top, White Nebula Desktop Color, Champagne Metallic Frame Color, Bag Hook	
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM1560/products_id/PRO4743	30
	Seat Height 18", Color Sky Blue	

Item	Description	Quantity
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Student Desks	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM21250/products_id/PRO37991	30
	Solid Plastic Top, White Nebula Desktop Color, Champagne Metallic Frame Color, Bag Hook	
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM1560/products_id/PRO4743	30
	Seat Height 18", Color Sky Blue	

Item	Description	Quantity
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Student Desks	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM21250/products_id/PRO37991	30
	Solid Plastic Top, White Nebula Desktop Color, Champagne Metallic Frame Color, Bag Hook	
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM1560/products_id/PRO4743	30
	Seat Height 18", Color Sky Blue	

Item	Description	Quantity
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Student Desks	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM21250/products_id/PRO37991	30
	Solid Plastic Top, White Nebula Desktop Color, Champagne Metallic Frame Color, Bag Hook	
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM1560/products_id/PRO4743	30
	Seat Height 18", Color Sky Blue	

Item	Description	Quantity
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Student Desks	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM21250/products_id/PRO37991	30
	Solid Plastic Top, White Nebula Desktop Color, Champagne Metallic Frame Color, Bag Hook	
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM1560/products_id/PRO4743	30
	Seat Height 18", Color Sky Blue	

Item	Description	Quantity
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Student Desks	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM21250/products_id/PRO37991	30
	Solid Plastic Top, White Nebula Desktop Color, Champagne Metallic Frame Color, Bag Hook	
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM1560/products_id/PRO4743	30
	Seat Height 18", Color Sky Blue	

Item	Description	Quantity
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Student Desks	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM21250/products_id/PRO37991	30
	Solid Plastic Top, White Nebula Desktop Color, Champagne Metallic Frame Color, Bag Hook	
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM1560/products_id/PRO4743	30
	Seat Height 18", Color Sky Blue	

Item	Description	Quantity
Teacher's Desk	https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM48701&products_id=PRO64645	1
Teacher's Chair	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	1
Filing Cabinet	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	1
Storage Cabinet	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	1
Bookshelf	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	1
Student Desks	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM21250/products_id/PRO37991	30
	Solid Plastic Top, White Nebula Desktop Color, Champagne Metallic Frame Color, Bag Hook	
Student Chairs	https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM1560/products_id/PRO4743	30
	Seat Height 18", Color Sky Blue	



MAGNOLIA PUBLIC SCHOOLS

Addendum #1 to Request for Proposals to Provide Furniture,
Fixtures & Equipment for Magnolia Science Academy 1 |
Reseda

Due Date:

May 14, 2019 **[REVISED]**

I. Supplemental Information

This addendum supplements that certain Request for Proposals to Provide Furniture, Fixtures & Equipment for Magnolia Science Academy 1 Reseda located at 18220 Sherman Way in the Reseda neighborhood of Los Angeles ("RFP") distributed on or about April 24, 2019.

II. Questions and Submission

All questions regarding the RFP, as supplemented by this addendum, should be directed to the following person, preferably by e-mail, as shown below.

Mr. Patrick Ontiveros
General Counsel and Director of Facilities
Magnolia Public Schools
250 East 1st Street, Suite 1500 Los Angeles, CA 90012
pontiveros@magnoliapublicschools.org
Office: (213) 628-3634 x103

Note change in due date for submission of proposals. All proposals are due no later than 5:00 p.m. (PST) on Tuesday, May 14, 2019. One (1) electronic PDF copy (by email) of your proposal must be delivered to the person indicated by the deadline stated above and one (1) hard copy must be delivered to the above address no later than two (2) business days thereafter. Please endeavor to keep any emailed material to a single manageable file size (at or about 10 MBs) so that it may be easily distributed to the Selection Committee.

III. Clarifications

In Exhibit B to the RFP, Schedule of FF&E by Room, links to certain products are provided. These products are typical of what the school desires. These exact products do not necessarily need to be quoted if products of comparable or greater quality and design are available at an equal or lower cost.

IV. Questions and Responses.

- Q: Is it acceptable to provide pricing for individual line items per manufacturer? For example, providing pricing for all School Outfitters links? Or do we need to quote all items? Or quote by classroom? Please clarify.
- R: We would like to see quotes by classroom. As mentioned above under Article III (Clarifications) the link to products are typical examples of the products the school desires to be furnished. You may provide quotes for these exact products. You are encouraged to review each item and recommend products of comparable or greater quality and design at an equal or lower cost.

Q: Is there a limit on the number of alternative options we can provide?
R: A reasonable number of alternatives are acceptable so long as they are presented in a logical manner and the differences or advantages or disadvantages, if any, over other products are clearly set out.

Q: What type of walls will the bulletin boards be going into?
R: See attached link for additional drawings.
<https://www.dropbox.com/s/y3nzvezlv0wzlh/MSA%20Architectural%20Bid%20Set%2003-07-18.pdf?dl=0>

Q: Is there a working elevator to take FF&E to the various floors, including the rooftop? If so, is it a freight elevator or passenger elevator?
R: There is a passenger elevator.

V. **Award.**

MPS reserves the right to reject any and all proposals; to waive any informality in the proposal process; and to accept the proposal that appears to be in its best interests.

End of Addendum #1 to Request for Proposal



MAGNOLIA PUBLIC SCHOOLS

Addendum #2 to Request for Proposals to Provide Furniture,
Fixtures & Equipment for Magnolia Science Academy 1 |
Reseda

Due Date:

May 14, 2019

I. Supplemental Information

This addendum #2 supplements that certain Request for Proposals to Provide Furniture, Fixtures & Equipment for Magnolia Science Academy 1 Reseda located at 18220 Sherman Way in the Reseda neighborhood of Los Angeles (“RFP”) distributed on or about April 24, 2019.

II. Questions and Submission

All questions regarding the RFP, as supplemented by this addendum, should be directed to the following person, preferably by e-mail, as shown below.

Mr. Patrick Ontiveros
General Counsel and Director of Facilities
Magnolia Public Schools
250 East 1st Street, Suite 1500 Los Angeles, CA 90012
pontiveros@magnoliapublicschools.org
Office: (213) 628-3634 x103

Note change in due date for submission of proposals. All proposals are due no later than 5:00 p.m. (PST) on Tuesday, May 14, 2019. One (1) electronic PDF copy (by email) of your proposal must be delivered to the person indicated by the deadline stated above and one (1) hard copy must be delivered to the above address no later than two (2) business days thereafter. Please endeavor to keep any emailed material to a single manageable file size (at or about 10 MBs) so that it may be easily distributed to the Selection Committee.

III. Questions and Responses

- Q: For the rooftop and outdoor space, lunch tables are listed as TBD. Do you have any further information?
- A: An example of the type of product the school is interested in can be found by following this link: <https://www.schoolspecialty.com/outdoor-playground/picnic-tables/ultraplay-systems-picnic-table-with-benches-1399757>.

The school would like 34 of this type of lunch table. Alternatively, since this product appears to be able to seat 8 students comfortably, the school is looking for a solution to accommodate 272 students. The products illustrated are examples and any other product providing the same or similar type of seating and of a similar quality and of an equal or lower cost may also be provided.

A picture of this particular product is illustrated below.



Another product that works from the same vendor is illustrated below.



IV. Award.

MPS reserves the right to reject any and all proposals; to waive any informality in the proposal process; and to accept the proposal that appears to be in its best interests.

End of Addendum #2 to Request for Proposal



MAGNOLIA PUBLIC SCHOOLS

Addendum #3 to Request for Proposals to Provide Furniture,
Fixtures & Equipment for Magnolia Science Academy 1 |
Reseda

Due Date:
May 14, 2019

I. Supplemental Information

This addendum #3 supplements that certain Request for Proposals to Provide Furniture, Fixtures & Equipment for Magnolia Science Academy 1 Reseda located at 18220 Sherman Way in the Reseda neighborhood of Los Angeles ("RFP") distributed on or about April 24, 2019.

II. Questions and Submission

All questions regarding the RFP, as supplemented by this addendum, should be directed to the following person, preferably by e-mail, as shown below.

Mr. Patrick Ontiveros
General Counsel and Director of Facilities
Magnolia Public Schools
250 East 1st Street, Suite 1500 Los Angeles, CA 90012
pontiveros@magnoliapublicschools.org
Office: (213) 628-3634 x103

Note change in due date for submission of proposals. All proposals are due no later than 5:00 p.m. (PST) on Tuesday, May 14, 2019. One (1) electronic PDF copy (by email) of your proposal must be delivered to the person indicated by the deadline stated above and one (1) hard copy must be delivered to the above address no later than two (2) business days thereafter. Please endeavor to keep any emailed material to a single manageable file size (at or about 10 MBs) so that it may be easily distributed to the Selection Committee.

III. Questions and Responses

Q: For shelving the following link was provided:
<https://www.schoolspecialty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959>

The shelving has the following dimensions: 34-1/2"x12-5/8"x30". The height measurement supposedly does not support 4 shelves and a minimum height of 52" is needed.

A: The school requires 4 shelf bookcases.

The following information and links were provided for certain FF&E.

Q: Stackable Chairs Color: Navy 1
https://www.schooloutfitters.com/catalog/product_info?pfam_id=PFAM51423&products_id=PRO68951

The weblink's description is "Pack of Forty 8500 Series School Chairs w/ Dolly". Confirm that the request is for a set of forty chairs and not just 1 chair.

A: The stackable chairs are no longer needed. Please remove from bid.

Q: The following tables and student chairs were listed. Please clarify the number of tables and student chairs desired.

Tables (15)

https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM49750/products_id/PRO66185 The weblink's description is "Heavy-Duty Mobile Computer Table & Stack Chair Bundle (24" W x 48" L)"

Student Chairs (30)

https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM49750/products_id/PRO66185 The weblink's description is "Heavy-Duty Mobile Computer Table & Stack Chair Bundle (24" W x 48" L)"

A: A table and chair combo is requested. Therefore, 30 chairs and 15 tables are required, where specified, for each room.

Q: The following storage was listed for the Prep Room:

Acid Storage (1) <https://www.flinnsci.com/flinnscimatco-stak-a-cab-acid-cabinet/se1460/>

Base Storage (1) <https://www.flinnsci.com/flinnscimatco-stak-a-cab-acid-cabinet/se1460/>

Flammable Storage (1) <https://www.flinnsci.com/flinnscimatco-stak-a-cab-flammables-cabinet/se1860/>

A: For the chemical storage, storage needed for the acid and base are the same. Therefore, the school needs two (2) cabinets for the corrosives and one (1) for the flammable cabinet.

IV. Award.

MPS reserves the right to reject any and all proposals; to waive any informality in the proposal process; and to accept the proposal that appears to be in its best interests.

































End of Addendum #3 to Request for Proposal























































Exhibit B


HERTZ BID

(see following pages)





































6	https://www.schoolbuffets.com/catalog/product_info.php?id=PFAM372&products_id=PRO11359	Office Star		Office Star	8610		As Specified	\$ 90.91	\$ 545.44
3	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.ertzfurniture.com/Filing-Cabinets-5-Drawer-Letter-Deluxe-File-Cabinet-1630	\$ 249.92	\$ 749.75
17	Addendum 2			ultraPLAY	UPT-7230		https://www.ertzfurniture.com/Picnic-Tables-6-Extra-Heavy-Duty-Perforated-Tables-1630	\$ 912.71	\$ 15,515.99
4	Rubbermaid Trash Can - Reseda Janitorial			Rubbermaid	BRUTE 55 Gallon Gray Trash Can, Lid, and Dolly Kit		https://www.restaurantstore.com/rubbermaid-brute-55-gallon-gray-trash-can-lid-and-dolly-kit-1630	\$ 112.67	\$ 450.69
1	https://www.schoolbuffets.com/catalog/product_info.php?id=PFAM512&products_id=PRO68771	Learnture		Academia/NPS	GS-3672ADJ+ (6x CSC-8800)		https://www.ertzfurniture.com/Classroom-Tables-Group-Study-Adjustable-Rectangular-Tables-1630	\$ 455.38	\$ 455.38
1	https://www.schoolbuffets.com/catalog/product_info.php?id=PFAM2472&products_id=PRO7884	Safco		Safco	(1)*7756/ (2)* 7751		As Specified	\$ 673.34	\$ 673.34
1	https://www.homedepot.com/p/Whirlpool-20-5-cu-ft-Top-Freezer-Refrigerator-in-Black-WRT311FZDB/205658150	Whirlpool		Home Depot	Whirlpool		As Specified	\$ 1,096.48	\$ 1,096.48
2	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1630	\$ 231.84	\$ 463.68
2	https://www.schoolbuffets.com/catalog/product_info.php?id=PFAM48701&products_id=PRO6464	Sandusky		Candex	CTD-6030P		https://www.ertzfurniture.com/Teacher-Desks-Double-Pedestal-Teachers-Desk-Panel-Ends-1630	\$ 416.64	\$ 833.28
2	https://www.staples.com/staples-magret-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair-10249	\$ 208.07	\$ 416.13
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1630	\$ 231.84	\$ 231.84
1	https://www.schoolspecialty.com/furniture/storage/bookcases/lorellfortress-series-charcoal-bookcase	Lorell		Steel Cabinets USA	SSB-52		https://www.ertzfurniture.com/Office-Bookcases-Steel-Bookcase-2746-mo.html	\$ 183.40	\$ 183.40
17	Addendum 2			ultraPLAY	UPT-7230			\$ 912.71	\$ 15,515.99
2	Rubbermaid Trash Can - Reseda Janitorial Supply			Rubbermaid	BRUTE 55 Gallon Gray Trash Can, Lid, and Dolly Kit		https://www.restaurantstore.com/rubbermaid-brute-55-gallon-gray-trash-can-lid-and-dolly-kit-1630	\$ 112.67	\$ 225.34
1	https://www.schoolbuffets.com/catalog/product_info.php?id=PFAM48701&products_id=PRO6464	Sandusky		Candex	CTD-6030P		https://www.ertzfurniture.com/Teacher-Desks-Double-Pedestal-Teachers-Desk-Panel-Ends-1630	\$ 416.64	\$ 416.64
1	https://www.staples.com/staples-magret-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair-10249	\$ 208.07	\$ 208.07
1	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.ertzfurniture.com/Filing-Cabinets-5-Drawer-Letter-Deluxe-File-Cabinet-1630	\$ 249.92	\$ 249.92
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1630	\$ 231.84	\$ 231.84





































1	https://www.schoolspecally.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.hertzfurniture.com/Office-Bookcases--Steel-Bookcase-2746--mo.html	\$	183.40	\$	183.40
30	https://www.schooloutfitters.com/catalog/product_info.php?pfam_id=PFAM21250/products_id/PRO37991	KI		Academia	PET-1900HPEE/Inn Hook		https://www.hertzfurniture.com/Student-Desks--Petal-Collaborative-Classroom-Desk-1629--mo.html	\$	155.56	\$	4,666.70
30	https://www.schooloutfitters.com/catalog/product_info.php?pfam_id=PFAM1560/products_id/PRO4743	Virco		Academia	HPC-518		https://www.hertzfurniture.com/Classroom-Chairs--Hard-Plastic-Stackable-School-Chair-1024--mo.html	\$	49.88	\$	1,496.54
1	https://www.officedepot.com/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.hertzfurniture.com/Filing-Cabinets--5-Drawer-Letter-Deluxe-File-Cabinet-with-1024--mo.html	\$	249.92	\$	249.92
1	https://www.staples.com/staples-manett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.hertzfurniture.com/Task-Chairs--Apollo-High-Back-Mesh-Office-Chair--1024--mo.html	\$	208.07	\$	208.07
1	https://www.schoolspecally.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.hertzfurniture.com/Office-Bookcases--Steel-Bookcase-2746--mo.html	\$	183.40	\$	183.40
1	https://www.schooloutfitters.com/catalog/product_info.php?pfam_id=PFAM48701&products_id=PRO64645	Sandusky		Candex	CTD-6030P		https://www.hertzfurniture.com/Teacher-Desks--Double-Pedestal-Teachers-Desk-1630--mo.html	\$	416.64	\$	416.64
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.hertzfurniture.com/Storage-Cabinets--All-Purpose-Storage-Cabinet--1630--mo.html	\$	231.84	\$	231.84
30	https://www.schooloutfitters.com/catalog/product_info.php?pfam_id=PFAM21250/products_id/PRO37991	KI		Academia	PET-1900HPEE/Inn Hook		https://www.hertzfurniture.com/Student-Desks--Petal-Collaborative-Classroom-Desk-1629--mo.html	\$	155.56	\$	4,666.70
30	https://www.schooloutfitters.com/catalog/product_info.php?pfam_id=PFAM1560/products_id/PRO4743	Virco		Academia	HPC-518		https://www.hertzfurniture.com/Classroom-Chairs--Hard-Plastic-Stackable-School-Chair-1024--mo.html	\$	49.88	\$	1,496.54
1	https://www.officedepot.com/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.hertzfurniture.com/Filing-Cabinets--5-Drawer-Letter-Deluxe-File-Cabinet-with-1024--mo.html	\$	249.92	\$	249.92
1	https://www.staples.com/staples-manett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.hertzfurniture.com/Task-Chairs--Apollo-High-Back-Mesh-Office-Chair--1024--mo.html	\$	208.07	\$	208.07
1	https://www.schoolspecally.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.hertzfurniture.com/Office-Bookcases--Steel-Bookcase-2746--mo.html	\$	183.40	\$	183.40
1	https://www.schooloutfitters.com/catalog/product_info.php?pfam_id=PFAM48701&products_id=PRO64645	Sandusky		Candex	CTD-6030P		https://www.hertzfurniture.com/Teacher-Desks--Double-Pedestal-Teachers-Desk-1630--mo.html	\$	416.64	\$	416.64
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.hertzfurniture.com/Storage-Cabinets--All-Purpose-Storage-Cabinet--1630--mo.html	\$	231.84	\$	231.84
30	https://www.schooloutfitters.com/catalog/product_info.php?pfam_id=PFAM21250/products_id/PRO37991	KI		Academia	PET-1900HPEE/Inn Hook		https://www.hertzfurniture.com/Student-Desks--Petal-Collaborative-Classroom-Desk-1629--mo.html	\$	155.56	\$	4,666.70
30	https://www.schooloutfitters.com/catalog/product_info.php?pfam_id=PFAM1560/products_id/PRO4743	Virco		Academia	HPC-518		https://www.hertzfurniture.com/Classroom-Chairs--Hard-Plastic-Stackable-School-Chair-1024--mo.html	\$	49.88	\$	1,496.54
1	https://www.officedepot.com/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.hertzfurniture.com/Filing-Cabinets--5-Drawer-Letter-Deluxe-File-Cabinet-with-1024--mo.html	\$	249.92	\$	249.92

1	https://www.staples.com/staples-mamett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair-10249	\$	208.07	\$	208.07
1	https://www.schoolspecally.com/furniture/storage/bookcases/lorell/fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.ertzfurniture.com/Office-Bookcases-Steel-Bookcase-2746-mo.html	\$	183.40	\$	183.40
1	https://www.schooloutfitters.com/catalog/product_info7ofam_id=PFAM48701&products_id=PRO84645	Sandusky		Candex	CTD-6030P		https://www.ertzfurniture.com/Teacher-Desks-Double-Pedestal-Teachers-Desk-1620	\$	416.64	\$	416.64
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1620	\$	231.84	\$	231.84
30	https://www.schooloutfitters.com/catalog/product_info7ofam_id=PFAM21250/products_id=PRO37981	KI		Academia	PET-1900HPEE/Inn Hook		https://www.ertzfurniture.com/Student-Desks-Petal-Collaborative-Classroom-Desk-1620	\$	155.56	\$	4,666.70
30	https://www.schooloutfitters.com/catalog/product_info7ofam_id=PFAM1560/products_id=PRO4743	Virco		Academia	HPC-518		https://www.ertzfurniture.com/Classroom-Chairs-Hard-Plastic-Stackable-Office-Chair-10249	\$	49.88	\$	1,496.54
1	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.ertzfurniture.com/Filing-Cabinets-5-Drawer-Letter-Deluxe-File-Cabinet-1620	\$	249.92	\$	249.92
1	https://www.staples.com/staples-mamett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair-10249	\$	208.07	\$	208.07
1	https://www.schoolspecally.com/furniture/storage/bookcases/lorell/fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.ertzfurniture.com/Office-Bookcases-Steel-Bookcase-2746-mo.html	\$	183.40	\$	183.40
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1620	\$	231.84	\$	231.84
15	https://www.schooloutfitters.com/catalog/product_info7ofam_id=PFAM53587&products_id=PRO72103			NPS	FLP-2460		https://www.ertzfurniture.com/Training-Seminar-Tables-Flip-N-Store-Training-Table-10571-	\$	156.37	\$	2,345.62
40	https://www.schooloutfitters.com/catalog/product_info7ofam_id=PFAM51423&products_id=PRO68951	NPS		NPS	CSC-480+CSC-85		As Specified	\$	46.79	\$	1,871.74
1	https://www.schooloutfitters.com/catalog/product_info7ofam_id=PFAM48701&products_id=PRO84645	Sandusky		Candex	CTD-6030P		https://www.ertzfurniture.com/Teacher-Desks-Double-Pedestal-Teachers-Desk-1620	\$	416.64	\$	416.64
1	https://www.schooloutfitters.com/catalog/product_info7ofam_id=PFAM48701&products_id=PRO84645	Sandusky		Candex	CTD-6030P		https://www.ertzfurniture.com/Teacher-Desks-Double-Pedestal-Teachers-Desk-1620	\$	416.64	\$	416.64
1	https://www.staples.com/staples-mamett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair-10249	\$	208.07	\$	208.07
1	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		SGN-426L	SGN-426L		https://www.ertzfurniture.com/Filing-Cabinets-5-Drawer-Letter-Deluxe-File-Cabinet-1620	\$	249.92	\$	249.92
1	https://www.schoolspecally.com/furniture/storage/bookcases/lorell/fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		SSB-52	SSB-52		https://www.ertzfurniture.com/Office-Bookcases-Steel-Bookcase-2746-mo.html	\$	183.40	\$	183.40
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		SCT-40	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1620	\$	231.84	\$	231.84

15	https://www.schooloutfitters.com/catalog/product_info2?fam_id=PFAM5357&products_id=PRO72103			FLP-2460	FLP-2460		http://www.ertzfurniture.com/Training-Seminar-Tables-Flip-N-Store-Training-Table-10571-	\$ 156.37	\$ 2,345.62
40	https://www.schooloutfitters.com/catalog/product_info2?fam_id=PFAM51423&products_id=PRO68951	NPS		NPS	CSC-480+CSC-85		As Specified	\$ 46.79	\$ 1,871.74
1	https://www.staples.com/staples-mamett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		http://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair-10290	\$ 208.07	\$ 208.07
1	https://www.schooloutfitters.com/catalog/product_info2?fam_id=PFAM48701&products_id=PRO64645	Sandusky		Candex	CTD-6030P		http://www.ertzfurniture.com/Teacher-Desks-Double-Pedestal-Teachers-Desk-Base-Feet	\$ 416.64	\$ 416.64
1	https://www.schoolspecalty.com/furniture/storage/bookcases/lorell/lores-series-charcoal-bookcase-charcoal-2005959	Lorell		SSB-52	SSB-52		https://www.ertzfurniture.com/Office-Bookcases-Steel-Bookcase-2746-mo.html	\$ 183.40	\$ 183.40
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		SCT-40	SCT-40		http://www.ertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1630	\$ 231.84	\$ 231.84
15	https://www.schooloutfitters.com/catalog/product_info2?fam_id=PFAM5357&products_id=PRO72103			FLP-2460	FLP-2460		http://www.ertzfurniture.com/Training-Seminar-Tables-Flip-N-Store-Training-Table-10571-	\$ 156.37	\$ 2,345.62
40	https://www.schooloutfitters.com/catalog/product_info2?fam_id=PFAM51423&products_id=PRO68951	NPS		NPS	CSC-480+CSC-85		As Specified	\$ 46.79	\$ 1,871.74
1	https://www.officedepot.com/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		http://www.ertzfurniture.com/Filing-Cabinets-5-Drawer-Letter-Deluxe-File-Cabinet-with	\$ 249.92	\$ 249.92
1	https://www.schooloutfitters.com/catalog/product_info2?fam_id=PFAM48701&products_id=PRO64645	Sandusky		Candex	CTD-6030P		http://www.ertzfurniture.com/Teacher-Desks-Double-Pedestal-Teachers-Desk-Base-Feet	\$ 416.64	\$ 416.64
1	https://www.staples.com/staples-mamett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		http://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair-10290	\$ 208.07	\$ 208.07
1	https://www.officedepot.com/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		http://www.ertzfurniture.com/Filing-Cabinets-4-Drawer-Letter-Deluxe-File-Cabinet-with	\$ 249.92	\$ 249.92
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		http://www.ertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1630	\$ 231.84	\$ 231.84
1	https://www.schoolspecalty.com/furniture/storage/bookcases/lorell/lores-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.ertzfurniture.com/Office-Bookcases-Steel-Bookcase-2746-mo.html	\$ 183.40	\$ 183.40
30	https://www.schooloutfitters.com/catalog/product_info2?fam_id=PFAM21250/products_id=PRO37981	KI		Academia	PET-1900HPEE/Inn Hook		http://www.ertzfurniture.com/Student-Desks-Petal-Collaborative-Classroom-Desk-Hard-Plastic	\$ 155.56	\$ 4,666.70
30	https://www.schooloutfitters.com/catalog/product_info2?fam_id=PFAM1560/products_id=PRO4743	Virco		Academia	HPC-518		http://www.ertzfurniture.com/Classroom-Chairs-Hard-Plastic-Stackable-Adjustable	\$ 49.88	\$ 1,496.54
1	https://www.schooloutfitters.com/catalog/product_info2?fam_id=PFAM48701&products_id=PRO64645	Sandusky		Candex	CTD-6030P		http://www.ertzfurniture.com/Teacher-Desks-Double-Pedestal-Teachers-Desk-Base-Feet	\$ 416.64	\$ 416.64
1	https://www.staples.com/staples-mamett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		http://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair-10290	\$ 208.07	\$ 208.07

1	https://www.officedepot.com/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.ertzfurniture.com/Filing-Cabinets-4-Drawer-Letter-Deluxe-File-Cabinet-1630	\$	249.92	\$	249.92
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1630	\$	231.84	\$	231.84
1	https://www.schoolscapally.com/furniture/storage/bookcases/lorell/lorell-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.ertzfurniture.com/Office-Bookcases-Steel-Bookcases-2746-mo.html	\$	183.40	\$	183.40
30	https://www.schooloutfitters.com/catalog/product/info/fam_id/PFAM21250/products_id/PRO37981	KI		Academia	PET-1900HPEE/Inn Hook		https://www.ertzfurniture.com/Student-Desks-Petal-Collaborative-Classroom-Desk-1630	\$	155.56	\$	4,666.70
30	https://www.schooloutfitters.com/catalog/product/info/fam_id/PFAM1560/products_id/PRO4743	Virco		Academia	HPC-518		https://www.ertzfurniture.com/Classroom-Chairs-Hard-Plastic-Stackable-School-Chair-1630	\$	49.88	\$	1,496.54
1	https://www.hertzfurniture.com/lab-tables-high-pressure-laminate-lab-table-with-book-box-14186-mo.html	NPS		NPS	SLT-2472DBH		As Specified	\$	286.72	\$	286.72
2	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1630	\$	231.84	\$	463.68
1	https://www.flinnsci.com/flinnscimatco-stak-a-cabinet/se1460/	Flinn		Flinn	SE1460			\$	837.76	\$	837.76
1	https://www.flinnsci.com/flinnscimatco-stak-a-cabinet/se1460/	Flinn		Flinn	SE1461			\$	837.76	\$	837.76
1	https://www.flinnsci.com/flinnscimatco-stak-a-cabinet/se1880/	Flinn		Flinn	SE1860			\$	837.76	\$	837.76
12	https://www.hertzfurniture.com/lab-tables-high-pressure-laminate-lab-table-with-book-box-14186-mo.html	NPS		NPS	SLT-2472DBH		As Specified	\$	286.72	\$	3,440.64
36	https://www.schooloutfitters.com/catalog/product/info/fam_id/PFAM47602/products_id/PRO62885	NPS		NPS	STO-6224AB-BLK		As Specified	\$	50.19	\$	1,806.74
1	https://www.schooloutfitters.com/catalog/product/info/fam_id/PFAM48701&products_id=PRO84645	Sandusky		Candex	CTD-6030P		https://www.ertzfurniture.com/Teacher-Desks-Double-Pedestal-Teachers-Desk-Base-Desk-1630	\$	416.64	\$	416.64
1	https://www.schoolscapally.com/furniture/storage/bookcases/lorell/lorell-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.ertzfurniture.com/Office-Bookcases-Steel-Bookcases-2746-mo.html	\$	183.40	\$	183.40
1	https://www.officedepot.com/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.ertzfurniture.com/Filing-Cabinets-4-Drawer-Letter-Deluxe-File-Cabinet-1630	\$	249.92	\$	249.92
1	https://www.staples.com/staples-magrett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair-1630	\$	208.07	\$	208.07
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1630	\$	231.84	\$	231.84
12	https://www.hertzfurniture.com/lab-tables-high-pressure-laminate-lab-table-with-book-box-14186-mo.html	NPS		NPS	SLT-2472DBH		As Specified	\$	286.72	\$	3,440.64

36	https://www.schoolbuffets.com/catalog/product_info.php?pfam_id=PFAM478702&products_id=PRO62885	NPS		NPS	STO-6224AB-BLK		As Specified	\$ 50.19	\$ 1,806.74
1	https://www.schoolbuffets.com/catalog/product_info.php?pfam_id=PFAM478701&products_id=PRO84645	Sandusky		Candex	CTD-6030P		https://www.ertzfurniture.com/Teacher-Desks--Double-Pedestal-Teachers-Desk-Panel-End	\$ 416.64	\$ 416.64
1	https://www.schoolspecally.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.ertzfurniture.com/Office-Bookcases--Steel-Bookcase-2746--mo.html	\$ 183.40	\$ 183.40
1	https://www.officedepot.com/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.ertzfurniture.com/Filing-Cabinets--4-Drawer-Letter-Deluxe-File-Cabinet-with	\$ 249.92	\$ 249.92
1	https://www.staples.com/staples-marett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair--10249	\$ 208.07	\$ 208.07
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets--All-Purpose-Storage-Cabinet--1630	\$ 231.84	\$ 231.84
1	https://www.schoolbuffets.com/catalog/product_info.php?pfam_id=PFAM478701&products_id=PRO84645	Sandusky		Candex	CTD-6030P		https://www.ertzfurniture.com/Teacher-Desks--Double-Pedestal-Teachers-Desk-Panel-End	\$ 416.64	\$ 416.64
1	https://www.staples.com/staples-marett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair--10249	\$ 208.07	\$ 208.07
1	https://www.officedepot.com/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.ertzfurniture.com/Filing-Cabinets--4-Drawer-Letter-Deluxe-File-Cabinet-with	\$ 249.92	\$ 249.92
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets--All-Purpose-Storage-Cabinet--1630	\$ 231.84	\$ 231.84
1	https://www.schoolspecally.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.ertzfurniture.com/Office-Bookcases--Steel-Bookcase-2746--mo.html	\$ 183.40	\$ 183.40
15	https://www.schoolbuffets.com/catalog/product_info.php?pfam_id=PFAM49750&products_id=PRO66185			Academia	INV-4830MP		https://www.ertzfurniture.com/Training-Seminar-Tables--V2-Nesting-Training-Table-with-Modesty	\$ 329.50	\$ 4,942.56
15	https://www.schoolbuffets.com/catalog/product_family_info.php?pfam_id=PFAM51621	ACADEMIA OR NPS?		Academia	INV-7224MP		https://www.ertzfurniture.com/Training-Seminar-Tables--V2-Nesting-Training-Table-with-Modesty	\$ 383.16	
30	https://www.schoolbuffets.com/catalog/product_info.php?pfam_id=PFAM49750&products_id=PRO66185	Learnture		NPS	CSC-8800		https://www.ertzfurniture.com/Stacking-Chairs--Cafetorium-Stacking-Chair--10249	\$ 49.11	\$ 1,473.36
1	https://www.schoolbuffets.com/catalog/product_info.php?pfam_id=PFAM478701&products_id=PRO84645	Sandusky		Candex	CTD-6030P		https://www.ertzfurniture.com/Teacher-Desks--Double-Pedestal-Teachers-Desk-Panel-End	\$ 416.64	\$ 416.64
1	https://www.staples.com/staples-marett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair--10249	\$ 208.07	\$ 208.07
1	https://www.officedepot.com/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.ertzfurniture.com/Filing-Cabinets--4-Drawer-Letter-Deluxe-File-Cabinet-with	\$ 249.92	\$ 249.92
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets--All-Purpose-Storage-Cabinet--1630	\$ 231.84	\$ 231.84

1	https://www.schoolspeci alty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.hertzfurniture.com/Office-Bookcases-Steel-Bookcase-2746--mo.html	\$	183.40	\$	183.40
30	https://www.schooloutfitters.com/catalog/product_info.php?id=PFAM21250/products_id/PRO37991	KI		Academia	PET-1900HPEE/Inn Hook		https://www.hertzfurniture.com/Student-Desks-Petal-Collaborative-Classroom-Desk	\$	155.56	\$	4,666.70
30	https://www.schooloutfitters.com/catalog/product_info.php?id=PFAM1560/products_id/PRO4743	Virco		Academia	HPC-518		https://www.hertzfurniture.com/Classroom-Chairs-Hard-Plastic-Stackable-School-Chair	\$	49.88	\$	1,496.54
1	https://www.schooloutfitters.com/catalog/product_info.php?id=PFAM48701&products_id=PRO64645	Sandusky		Candex	CTD-6030P		https://www.hertzfurniture.com/Teacher-Desks-Double-Pedestal-Teachers-Desk-Base-Desk	\$	416.64	\$	416.64
1	https://www.staples.com/staples-manet-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.hertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair-10249	\$	208.07	\$	208.07
1	https://www.officedepot.com/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.hertzfurniture.com/Filing-Cabinets-4-Drawer-Letter-Deluxe-File-Cabinet-1230	\$	249.92	\$	249.92
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.hertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1230	\$	231.84	\$	231.84
1	https://www.schoolspeci alty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.hertzfurniture.com/Office-Bookcases-Steel-Bookcase-2746--mo.html	\$	183.40	\$	183.40
30	https://www.schooloutfitters.com/catalog/product_info.php?id=PFAM21250/products_id/PRO37991	KI		Academia	PET-1900HPEE/Inn Hook		https://www.hertzfurniture.com/Student-Desks-Petal-Collaborative-Classroom-Desk	\$	155.56	\$	4,666.70
30	https://www.schooloutfitters.com/catalog/product_info.php?id=PFAM1560/products_id/PRO4743	Virco		Academia	HPC-518		https://www.hertzfurniture.com/Classroom-Chairs-Hard-Plastic-Stackable-School-Chair	\$	49.88	\$	1,496.54
1	https://www.schooloutfitters.com/catalog/product_info.php?id=PFAM48701&products_id=PRO64645	Sandusky		Candex	CTD-6030P		https://www.hertzfurniture.com/Teacher-Desks-Double-Pedestal-Teachers-Desk-Base-Desk	\$	416.64	\$	416.64
1	https://www.staples.com/staples-manet-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.hertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair-10249	\$	208.07	\$	208.07
1	https://www.officedepot.com/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.hertzfurniture.com/Filing-Cabinets-4-Drawer-Letter-Deluxe-File-Cabinet-1230	\$	249.92	\$	249.92
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.hertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1230	\$	231.84	\$	231.84
1	https://www.schoolspeci alty.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.hertzfurniture.com/Office-Bookcases-Steel-Bookcase-2746--mo.html	\$	183.40	\$	183.40
30	https://www.schooloutfitters.com/catalog/product_info.php?id=PFAM21250/products_id/PRO37991	KI		Academia	PET-1900HPEE/Inn Hook		https://www.hertzfurniture.com/Student-Desks-Petal-Collaborative-Classroom-Desk	\$	155.56	\$	4,666.70
30	https://www.schooloutfitters.com/catalog/product_info.php?id=PFAM1560/products_id/PRO4743	Virco		Academia	HPC-518		https://www.hertzfurniture.com/Classroom-Chairs-Hard-Plastic-Stackable-School-Chair	\$	49.88	\$	1,496.54
1	https://www.schooloutfitters.com/catalog/product_info.php?id=PFAM48701&products_id=PRO64645	Sandusky		Candex	CTD-6030P		https://www.hertzfurniture.com/Teacher-Desks-Double-Pedestal-Teachers-Desk-Base-Desk	\$	416.64	\$	416.64

1	https://www.staples.com/staples-marett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair-10249	\$	208.07	\$	208.07
1	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.ertzfurniture.com/Filing-Cabinets-4-Drawer-Letter-Deluxe-File-Cabinet-1630	\$	249.92	\$	249.92
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1630	\$	231.84	\$	231.84
1	https://www.schoolspecally.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.ertzfurniture.com/Office-Bookcases-Steel-Bookcase-2746--no.html	\$	183.40	\$	183.40
30	https://www.schoolbuffets.com/catalog/product_info/fam_id/PFAM21250/products_id/PRO37991	KI		Academia	PET-1900HPEE/Inn Hook		https://www.ertzfurniture.com/Student-Desks-Petal-Collaborative-Classroom-Desk-Hard-Plastic	\$	155.56	\$	4,666.70
30	https://www.schoolbuffets.com/catalog/product_info/fam_id/PFAM1560/products_id/PRO4743	Virco		Academia	HPC-518		https://www.ertzfurniture.com/Classroom-Chairs-Hard-Plastic-Stackable-School-Chair	\$	49.88	\$	1,496.54
1	https://www.schoolbuffets.com/catalog/product_info7ofam_id/PFAM48701&products_id=PRO64645	Sandusky		Candex	CTD-6030P		https://www.ertzfurniture.com/Teacher-Desks-Double-Pedestal-Teachers-Desk-Base-6030	\$	416.64	\$	416.64
1	https://www.staples.com/staples-marett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair-10249	\$	208.07	\$	208.07
1	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.ertzfurniture.com/Filing-Cabinets-4-Drawer-Letter-Deluxe-File-Cabinet-1630	\$	249.92	\$	249.92
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1630	\$	231.84	\$	231.84
1	https://www.schoolspecally.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.ertzfurniture.com/Office-Bookcases-Steel-Bookcase-2746--no.html	\$	183.40	\$	183.40
30	https://www.schoolbuffets.com/catalog/product_info/fam_id/PFAM21250/products_id/PRO37991	KI		Academia	PET-1900HPEE/Inn Hook		https://www.ertzfurniture.com/Student-Desks-Petal-Collaborative-Classroom-Desk-Hard-Plastic	\$	155.56	\$	4,666.70
30	https://www.schoolbuffets.com/catalog/product_info/fam_id/PFAM1560/products_id/PRO4743	Virco		Academia	HPC-518		https://www.ertzfurniture.com/Classroom-Chairs-Hard-Plastic-Stackable-School-Chair	\$	49.88	\$	1,496.54
1	https://www.schoolbuffets.com/catalog/product_info7ofam_id/PFAM48701&products_id=PRO64645	Sandusky		Candex	CTD-6030P		https://www.ertzfurniture.com/Teacher-Desks-Double-Pedestal-Teachers-Desk-Base-6030	\$	416.64	\$	416.64
1	https://www.staples.com/staples-marett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.ertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair-10249	\$	208.07	\$	208.07
1	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.ertzfurniture.com/Filing-Cabinets-4-Drawer-Letter-Deluxe-File-Cabinet-1630	\$	249.92	\$	249.92
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.ertzfurniture.com/Storage-Cabinets-All-Purpose-Storage-Cabinet-1630	\$	231.84	\$	231.84
1	https://www.schoolspecally.com/furniture/storage/bookcases/lorell-fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.ertzfurniture.com/Office-Bookcases-Steel-Bookcase-2746--no.html	\$	183.40	\$	183.40
































30	https://www.schoolbuffets.com/catalog/product_info.php?id=PFAM21250/products_id/PRO37991	KI		Academia	PET-1900HPEE/Inn Hook		https://www.hertzfurniture.com/Student-Desks--Petals-Collaborative-Classroom-Desk	\$	155.56	\$	4,666.70	
30	https://www.schoolbuffets.com/catalog/product_info.php?id=PFAM1560/products_id/PRO4743	Virco		Academia	HPC-518		https://www.hertzfurniture.com/Classroom-Chairs--Hard-Plastic-Stackable-School-Chair	\$	49.88	\$	1,496.54	
1	https://www.schoolbuffets.com/catalog/product_info.php?id=PFAM48701&products_id=PRO84645	Sandusky		Candex	CTD-6030P		https://www.hertzfurniture.com/Teacher-Desks--Double-Pedestal-Teachers-Desk	\$	416.64	\$	416.64	
1	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.hertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair--1620	\$	208.07	\$	208.07	
1	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.hertzfurniture.com/Filing-Cabinets--4-Drawer-Letter-Deluxe-File-Cabinet-with	\$	249.92	\$	249.92	
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.hertzfurniture.com/Storage-Cabinets--All-Purpose-Storage-Cabinet--1630	\$	231.84	\$	231.84	
1	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell/fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.hertzfurniture.com/Office-Bookcases--Steel-Bookcase-2746--no.html	\$	183.40	\$	183.40	
30	https://www.schoolbuffets.com/catalog/product_info.php?id=PFAM21250/products_id/PRO37991	KI		Academia	PET-1900HPEE/Inn Hook		https://www.hertzfurniture.com/Student-Desks--Petals-Collaborative-Classroom-Desk	\$	155.56	\$	4,666.70	
30	https://www.schoolbuffets.com/catalog/product_info.php?id=PFAM1560/products_id/PRO4743	Virco		Academia	HPC-518		https://www.hertzfurniture.com/Classroom-Chairs--Hard-Plastic-Stackable-School-Chair	\$	49.88	\$	1,496.54	
1	https://www.schoolbuffets.com/catalog/product_info.php?id=PFAM48701&products_id=PRO84645	Sandusky		Candex	CTD-6030P		https://www.hertzfurniture.com/Teacher-Desks--Double-Pedestal-Teachers-Desk	\$	416.64	\$	416.64	
1	https://www.staples.com/staples-marrett-mesh-and-fabric-task-chair-black-53249/product_24328573	Staples		Eurotech	APL-9400HB		https://www.hertzfurniture.com/Task-Chairs-Apollo-High-Back-Mesh-Office-Chair--1620	\$	208.07	\$	208.07	
1	https://www.officedepot.com/a/products/450092/WorkPro-26-12-D-4-Drawer/	WorkPro		Global	SGN-426L		https://www.hertzfurniture.com/Filing-Cabinets--4-Drawer-Letter-Deluxe-File-Cabinet-with	\$	249.92	\$	249.92	
1	https://www.staples.com/Sandusky-Standard-Storage-Cabinet-Black/product_1693997	Sandusky		Steel Cabinets USA	SCT-40		https://www.hertzfurniture.com/Storage-Cabinets--All-Purpose-Storage-Cabinet--1630	\$	231.84	\$	231.84	
1	https://www.schoolspecialty.com/furniture/storage/bookcases/lorell/fortress-series-charcoal-bookcase-charcoal-2005959	Lorell		Steel Cabinets USA	SSB-52		https://www.hertzfurniture.com/Office-Bookcases--Steel-Bookcase-2746--no.html	\$	183.40	\$	183.40	
30	https://www.schoolbuffets.com/catalog/product_info.php?id=PFAM21250/products_id/PRO37991	KI		Academia	PET-1900HPEE/Inn Hook		https://www.hertzfurniture.com/Student-Desks--Petals-Collaborative-Classroom-Desk	\$	155.56	\$	4,666.70	
30	https://www.schoolbuffets.com/catalog/product_info.php?id=PFAM1560/products_id/PRO4743	Virco		Academia	HPC-518		https://www.hertzfurniture.com/Classroom-Chairs--Hard-Plastic-Stackable-School-Chair	\$	49.88	\$	1,496.54	
									Total Item Cost	\$	195,300.54	
									Installation	\$	1,800.00	
									Total	\$	197,100.54	
									Tax	9.50%	\$	18,724.55
									Grand Total	\$	215,825.09	



Exhibit C

Form of Contract

AIA Document A151™–2019

(see following pages)

DRAFT AIA® Document A151™ - 2019

Standard Form of Agreement between Owner and Vendor for Furniture, Furnishings, and Equipment (FF&E)

AGREEMENT made as of the « » day of « » in the year « »
(In words, indicate day, month, and year.)

BETWEEN the Owner:
(Name, legal status, address, and other information)

« »
« »
« »
« »

and the Vendor:
(Name, legal status, address, and other information)

« »
« »
« »
« »

for the following Project:
(Name, location, and detailed description)

«MSA-1 FF&E»
«18220 Sherman Way»
« »

The Architect:
(Name, legal status, address, and other information)

« »
« »
« »
« »

The Owner and Vendor agree as follows.

ADDITIONS AND DELETIONS: The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

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ARTICLE 1 GENERAL PROVISIONS**§ 1.1 Governing Law, including the Uniform Commercial Code**

This Agreement is for the sale of goods, specifically furniture, furnishings, and equipment (FF&E), and shall be governed by the law of the place where the Project is located, excluding that jurisdiction's choice of law rule and including the jurisdiction's Uniform Commercial Code (UCC) as adopted. If this Agreement conflicts with terms provided by the UCC, the Agreement shall prevail. If the parties have selected arbitration as the method of binding dispute resolution, the Federal Arbitration Act shall govern Section 14.7.

§ 1.2 The Contract Documents

The Contract Documents are enumerated in Article 15 and consist of this Agreement (including, if applicable, Supplementary and other Conditions of the Contract), Drawings, Specifications, Addenda issued prior to the execution of this Agreement, other documents listed in this Agreement, and Modifications issued after execution of this Agreement. The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Vendor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all. Performance by the Vendor shall be required to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the indicated results.

§ 1.3 The Contract

The Contract Documents form the Contract for the Work. The Contract represents the entire and integrated agreement between the parties hereto and supersedes all prior proposals, offers, terms and conditions, negotiations, representations, or agreements, either written or oral. The Contract may be amended or modified only by a Modification. The Contract Documents shall not be construed to create a contractual relationship of any kind between any persons or entities other than the Owner and the Vendor. The primary purpose of the Contract is the sale of goods, and any services provided are incidental to such primary purpose.

§ 1.4 Modifications

A Modification is a written amendment to the Contract for changes in the Work signed by both parties or a written order for a minor change in the Work signed by the Architect. A minor change in the Work is a change that is consistent with the intent of the Contract Documents and does not involve an adjustment in the Contract Sum or an extension of the Contract Time.

§ 1.5 The Work

The Work means the Vendor's performance, including the sale of FF&E and any incidental fabrication, shipping, warehousing, delivery, installation, and other items or services required by the Contract Documents and provided, or to be provided, by the Vendor. The Work includes all labor, materials, temporary protection, storage, and equipment necessary to fulfill the Vendor's obligations, except as specifically indicated in the Contract Documents to be the responsibility of others. The Work may constitute the whole or a part of the Project.

§ 1.6 Instruments of Service

Instruments of Service are representations, in any medium of expression now known or later developed, of the tangible and intangible creative work performed by the Architect and the Architect's consultants under their respective professional services agreements. Instruments of Service may include, without limitation, studies, surveys, models, sketches, drawings, specifications, and other similar materials.

§ 1.7 Ownership and Use of Drawings, Specifications, and Other Instruments of Service

§ 1.7.1 The Architect and the Architect's consultants shall be deemed the authors and owners of their respective Instruments of Service, including the Drawings and Specifications, and will retain all common law, statutory, and other reserved rights in their Instruments of Service, including copyrights. The Vendor, sub-vendors, and suppliers shall not own or claim a copyright in the Instruments of Service. Submittal or distribution to meet official regulatory requirements or for other purposes in connection with the Project is not to be construed as publication in derogation of the Architect's or Architect's consultants' reserved rights.

§ 1.7.2 The Vendor, sub-vendors, and suppliers are authorized to use and reproduce the Instruments of Service provided to them, subject to the protocols established pursuant to Sections 1.8 and 1.9, solely and exclusively for execution of the Work. All copies made under this authorization shall bear the copyright notice, if any, shown on the Instruments of Service. The Vendor, sub-vendors, and suppliers may not use the Instruments of Service on other projects, or in connection with additions to this Project outside the scope of the Work without the specific written consent of the Owner, Architect, and the Architect's consultants.

§ 1.8 Digital Data Use and Transmission

The parties shall agree upon protocols governing the transmission and use of Instruments of Service or any other information or documentation in digital form. The parties will use AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, to establish the protocols for the development, use, transmission, and exchange of digital data.

§ 1.9 Building Information Models Use and Reliance

Any use of, or reliance on, all or a portion of a building information model without agreement to protocols governing the use of, and reliance on, the information contained in the model and without having those protocols set forth in AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, and the requisite AIA Document G202™–2013, Project Building Information Modeling Protocol Form, shall be at the using or relying party's sole risk and without liability to the other party and its vendors or consultants, the authors of, or contributors to, the building information model, and each of their agents and employees.

§ 1.10 Severability

The invalidity of any provision of the Contract Documents shall not invalidate the Contract or its remaining provisions. If it is determined that any provision of the Contract Documents violates any law, or is otherwise invalid or unenforceable, then that provision shall be revised to the extent necessary to make that provision legal and enforceable. In such case the Contract Documents shall be construed, to the fullest extent permitted by law, to give effect to the parties' intentions and purposes in executing the Contract.

§ 1.11 Notice

§ 1.11.1 Except as otherwise provided in Section 1.11.2, where the Contract Documents require one party to notify or give notice to the other party, such notice shall be provided in writing to the designated representative of the party to

whom the notice is addressed and shall be deemed to have been duly served if delivered in person, by mail, by courier, or by electronic transmission in accordance with AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, if completed, or as otherwise set forth below:

(If other than in accordance with AIA Document E203–2013, insert requirements for delivering Notice in electronic format such as name, title, and email address of the recipient and whether and how the system will be required to generate a read receipt for the transmission.)

« »

§ 1.11.2 Notice of Claims shall be provided in writing and shall be deemed to have been duly served only if delivered to the designated representative of the party to whom the notice is addressed by certified or registered mail, or by courier providing proof of delivery.

§ 1.12 Assignment of Contract

Neither party to the Contract shall assign the Contract without written consent of the other, except that the Owner may, without consent of the Vendor, assign the Contract to a lender providing financing for the Project if the lender assumes the Owner’s rights and obligations under the Contract Documents. The Vendor shall execute all consents reasonably required to facilitate such assignment.

ARTICLE 2 CONTRACT SUM AND PAYMENTS

§ 2.1 Contract Sum

§ 2.1.1 The Owner shall pay the Vendor the Contract Sum in current funds for the Vendor’s performance of the Contract. The Contract Sum shall be « » (\$ « »), subject to additions and deductions as provided in the Contract Documents.

§ 2.1.2 Alternates

§ 2.1.2.1 Alternates, if any, included in the Contract Sum:

Item	Price
« »	« »

§ 2.1.2.2 Subject to the conditions noted below, the following alternates may be accepted by the Owner following execution of this Agreement. Upon acceptance, the Owner shall issue a Modification to this Agreement.

(Insert below each alternate and the conditions that must be met for the Owner to accept the alternate.)

Item	Price	Conditions for Acceptance
« »	« »	« »

§ 2.1.3 Unit prices, if any:

(Identify the item and state the unit price and the quantity limitations, if any, to which the unit price will be applicable.)

Item	Units and Limitations	Price per Unit (\$0.00)
« »	« »	« »

§ 2.1.4 Allowances, if any, included in the Contract Sum:

(Identify each allowance.)

Item	Price
« »	« »

§ 2.1.5 Liquidated damages, if any:

(Insert terms and conditions for liquidated damages, if any.)

« »

§ 2.1.6 Other:

(Insert provisions for bonus or other incentives, if any, that might result in a change to the Contract Sum.)

<< >>

§ 2.2 Payments

§ 2.2.1 The Owner shall make payments to the Vendor in conformance with the following payment terms:
(Insert payment terms, such as payment due dates, deposit requirements, and prompt payment discounts, if any.)

<< >>

§ 2.2.2 When payment is due pursuant to the payment terms of Section 2.2.1, the Vendor shall submit to the Owner an itemized invoice, supported by data substantiating the Vendor’s right to payment.

§ 2.2.3 Except with the Owner’s knowledge and consent, the Vendor shall not engage in any activity, or offer any employment, interest, or contribution to the Owner’s employees or consultants, that would reasonably appear to compromise the Owner’s employees’ or consultants’ judgment with respect to this Project.

ARTICLE 3 TIME

§ 3.1 Contract Time

§ 3.1.1 Unless otherwise provided, Contract Time is the period of time, including authorized adjustments, allotted in the Contract Documents for completion of the Work. The Contract Time shall be measured from the date of commencement. The term “day” as used in the Contract Documents shall mean calendar day unless otherwise specifically defined.

§ 3.1.2 Time limits stated in the Contract Documents are of the essence of the Contract. By executing this Agreement, the Vendor confirms that the Contract Time is a reasonable period for performing the Work.

§ 3.1.3 If the Vendor is delayed at any time in the commencement or progress of the Work by (1) changes ordered in the Work; (2) labor disputes, fire, unusual delay in deliveries, abnormal adverse weather conditions not reasonably anticipatable, unavoidable casualties, or any causes beyond the Vendor’s control; or (3) other causes that the Vendor asserts, and the Architect determines, justify delay, then the Contract Time shall be extended for such reasonable time as the Architect may determine, subject to the provisions of Article 14.

§ 3.1.4 If the Vendor fails to achieve completion of the Work as provided in this Article 3, liquidated damages, if any, shall be assessed as set forth in Section 2.1.5.

§ 3.2 Date of Commencement

The date of commencement of the Work shall be:

(Check one of the following boxes.)

[<< >>] The date of this Agreement.

[<< >>] A date set forth in a notice to proceed issued by the Owner.

[<< >>] Established as follows:
(Insert a date or a means to determine the date of commencement of the Work.)

<< >>

If a date of commencement of the Work is not selected, then the date of commencement shall be the date of this Agreement.

§ 3.3 Completion

§ 3.3.1 Completion of the Work occurs upon acceptance of all FF&E in the Contract Documents in accordance with Article 8.

§ 3.3.2 Subject to adjustments of the Contract Time as provided in the Contract Documents, the Vendor shall achieve completion of the entire Work:
(Check the appropriate box and complete the necessary information.)

[« »] Not later than « » (« ») calendar days from the date of commencement of the Work.

[« »] By the following date: « »

§ 3.3.3 Subject to adjustments of the Contract Time as provided in the Contract Documents, if portions of the Work are to be completed prior to completion of the entire Work, the Vendor shall achieve completion of such portions by the following dates:

Portion of Work	Completion Date

ARTICLE 4 OWNER

§ 4.1 The Owner's Representative

The Owner shall identify a representative authorized to act on behalf of the Owner with respect to the Project. The Owner's representative shall not be changed without ten days' prior notice to the Vendor. The Owner identifies the following representative:

(Name, address, email address, and other information)

« »
« »
« »
« »
« »
« »

§ 4.2 Information and Services Required of the Owner

§ 4.2.1 The Owner shall retain an architect lawfully licensed to practice architecture, or an entity lawfully practicing architecture, in the jurisdiction where the Project is located. That person or entity is identified as the Architect in the Agreement and is referred to throughout the Contract Documents as if singular in number.

§ 4.2.2 Unless otherwise provided in the Contract Documents, the Owner shall provide

- .1 areas of the Project premises that the Vendor may use to perform the Work;
- .2 access to the Project premises for the Vendor at reasonable times;
- .3 information regarding any restrictions on the use of, or access to, the Project premises;
- .4 suitable space for receipt, inspection, acceptance, and staging of materials and FF&E;
- .5 utilities and facilities on the Project premises and vertical transportation necessary for progress and execution of the Work; and
- .6 a secured premises for storage of FF&E until acceptance.

§ 4.2.3 The Owner shall furnish information or services required of the Owner by the Contract Documents with reasonable promptness. The Owner shall furnish any other information or services under the Owner's control and relevant to the Vendor's performance of the Work with reasonable promptness after receiving the Vendor's written request for such information or services.

ARTICLE 5 VENDOR

§ 5.1 The Vendor's Representative

The Vendor shall identify a representative authorized to act on behalf of the Vendor with respect to the Project. The Vendor's representative shall not be changed without ten days' prior notice to the Owner and Architect. The Vendor identifies the following representative:

(Name, address, email address, and other information)

« »
« »
« »
« »
« »
« »

§ 5.2 The Vendor shall not be relieved of its obligations to perform the Work in accordance with the Contract Documents by activities or duties of the Architect in the Architect's administration of the Contract.

§ 5.3 The Vendor shall coordinate its Work with the work provided by the Owner and the Owner's other vendors, consultants, and contractors. The Vendor may communicate with the Owner's other vendors, consultants, and contractors, for the purposes of completing the Work. The Vendor shall keep the Owner reasonably informed of any such communications. The Vendor shall be entitled to rely on the accuracy and completeness of work and information furnished by the Owner and the Owner's other vendors, consultants, and contractors. The Vendor shall provide prompt written notice to the Owner if the Vendor becomes aware of any error, omission, or inconsistency in such work or information.

§ 5.4 Review of Contract Documents and Inspection of Project Premises by Vendor

§ 5.4.1 Execution of the Contract by the Vendor is a representation that the Vendor has visited the Project premises, if required in the Contract Documents, and correlated personal observations with requirements of the Contract Documents.

§ 5.4.2 Before starting each portion of the Work, including placing orders for FF&E, the Vendor shall (1) carefully study and compare the various Contract Documents relative to that portion of the Work, as well as the information furnished by the Owner pursuant to Section 4.2; (2) visit and inspect the Project premises in order to gain an understanding of the conditions under which the Work is to be performed; (3) determine availability of facilities for access, delivery, transportation, and staging; (4) determine any restrictions imposed by the Owner and the Owner's separate vendors and contractors; and (5) correlate observations with the requirements of the Contract Documents. The Vendor shall promptly report to the Owner and Architect conditions observed that would impede the Vendor's performance of the Work. The Vendor's obligations to review the Contract Documents are for the purpose of facilitating delivery and installation by the Vendor and are not for the purpose of discovering errors, omissions, or inconsistencies in the Contract Documents; however, the Vendor shall promptly report to the Architect any errors, inconsistencies, or omissions discovered by or made known to the Vendor as a request for information in such form as the Architect may require. It is recognized that the Vendor's review is made in the Vendor's capacity as a vendor and not as a licensed design professional, unless otherwise specifically provided for in the Contract Documents.

§ 5.4.3 The Vendor is not required to ascertain that the Contract Documents are in accordance with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, but the Vendor shall promptly report to the Architect any nonconformity discovered by or made known to the Vendor as a request for information in such form as the Architect may require.

§ 5.4.4 If the Vendor believes that additional cost or time is involved because of clarifications or instructions the Architect issues in response to the Vendor's notices or requests for information pursuant to Sections 5.4.2 or 5.4.3, the Vendor shall submit Claims as provided in Article 14. If the Vendor fails to perform the obligations of Sections 5.4.2 or 5.4.3, the Vendor shall pay such costs and damages to the Owner, subject to Section 14.12, as would have been avoided if the Vendor had performed such obligations. If the Vendor performs those obligations, the Vendor shall not be liable to the Owner or Architect for damages resulting from errors, inconsistencies, or omissions in the Contract Documents, for differences between field measurements or conditions and the Contract Documents, or for nonconformities of the Contract Documents to applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities.

§ 5.5 Supervision

§ 5.5.1 The Vendor shall supervise and direct the Work using the Vendor's best skill and attention. The Vendor shall be solely responsible for and have control over the means, methods, techniques, sequences, and procedures of fabrication, shipment, delivery, and installation, and for coordinating all portions of the Work under the Contract, unless the Contract Documents give other specific instructions concerning these matters.

§ 5.5.2 The Vendor shall be responsible to the Owner for acts and omissions of the Vendor's employees, sub-vendors, and their agents and employees, and other persons or entities performing portions of the Work for or on behalf of the Vendor or any of its sub-vendors.

§ 5.5.3 The Vendor shall be responsible for inspection of portions of the Work already performed to determine that such portions are in proper condition for subsequent Work.

§ 5.6 Labor and Materials

§ 5.6.1 Unless otherwise provided in the Contract Documents, the Vendor shall provide and pay for labor, materials, tools, installation equipment and machinery, delivery, and other facilities and services necessary for proper execution and completion of the Work whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

§ 5.6.2 The Vendor shall enforce strict discipline and good order among the Vendor's employees and other persons carrying out the Work. The Vendor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them.

§ 5.6.3 The Vendor shall make no substitution or change in the Contract Documents unless done in accordance with a Modification, and after providing the Architect notice and a reasonable opportunity to evaluate the proposed substitution or change and consult with the Owner.

§ 5.7 Taxes

The Vendor shall pay sales, consumer, use, and other similar taxes that are legally enacted when quotes are received or negotiations concluded, whether or not yet effective or merely scheduled to go into effect.

§ 5.8 Permits, Fees, Notices, and Compliance with Laws

§ 5.8.1 Unless otherwise provided in the Contract Documents, the Vendor shall secure and pay for permits, fees, licenses, and inspections by government agencies necessary for proper execution and completion of the Work that are customarily secured after execution of the Contract and legally required at the time bids are received or negotiations concluded.

§ 5.8.2 The Vendor shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities applicable to performance of the Work. If the Vendor performs Work knowing it to be contrary to applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, the Vendor shall assume appropriate responsibility for such Work and shall bear the costs attributable to correction.

§ 5.9 Allowances

The Vendor shall include in the Contract Sum all allowances stated in the Contract Documents. The Owner shall select items under allowances with reasonable promptness. Allowance amounts shall include the costs to the Vendor of items delivered at the Project premises and all required taxes, less applicable trade discounts. Vendor's costs for unloading and handling at the Project premises, labor, installation, overhead, profit, and other expenses contemplated for stated allowance amounts shall be included in the Contract Sum but not in the allowance. Whenever costs are more than or less than allowances, the Contract Sum shall be adjusted accordingly by Modification. The amount of the Modification shall reflect the difference between actual costs and the allowances under Section 2.1.4.

§ 5.10 Vendor's Schedules

§ 5.10.1 The Vendor, promptly after being awarded the Contract, shall submit for the Owner's and Architect's information a progress schedule for the Work. The schedule shall not exceed time limits current under the Contract Documents, shall be revised at appropriate intervals as required by the progress of the Work and Project, shall be related to the entire Project, and shall provide for expeditious and practicable execution of the Work.

§ 5.10.2 The Vendor shall perform the Work in general accordance with the most recent schedule submitted to the Owner and Architect.

§ 5.10.3 The Vendor's progress schedule shall indicate dates for commencement and completion of phases of the Work within the Contract Time, including dates for order placement, fabrication, shipping, delivery, and installation. The schedule shall indicate other critical dates, such as deadlines for approval of submittals of colors, finishes, and materials. The Vendor shall obtain and submit for the Owner's and the Architect's information written confirmation from sub-vendors of dates of fabrication and delivery.

§ 5.10.4 The Vendor shall cooperate with the Owner and Architect in coordinating the Vendor's progress schedule with those of contractors and separate vendors and with the requirements of the Owner and Architect. The Vendor shall cooperate in determining mutually acceptable dates and times for delivery, installation, and inspection of the Work, and

use of services and facilities provided to the Vendor, all to be confirmed in writing within a reasonable time in advance of such dates and times.

§ 5.11 Submittals

§ 5.11.1 The Vendor shall review for compliance with the Contract Documents and submit to the Architect shop drawings, product data, samples, and similar submittals required by the Contract Documents in coordination with the Vendor's progress schedule and in such sequence as to allow the Architect reasonable time for review. By submitting shop drawings, product data, samples, and similar submittals, the Vendor represents to the Owner and Architect that the Vendor has (1) reviewed and approved them; (2) determined and verified materials, field measurements, and field installation criteria related thereto, or will do so; and (3) checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents. The Work shall be in accordance with approved submittals. Shop drawings, product data, samples and similar submittals are not Contract Documents.

§ 5.11.2 The Vendor shall provide the Owner with available manufacturer's warranty documents, product data, and material safety data sheets.

§ 5.12 Cleaning Up

The Vendor shall keep the Project premises and surrounding area free from accumulation of waste materials and rubbish caused by operations under the Contract. At completion of the Work, the Vendor shall remove waste materials, rubbish, the Vendor's tools, construction equipment, machinery, and surplus material from and about the Project.

§ 5.13 Access to Work

The Vendor shall provide the Owner and Architect with reasonable access to the Work in preparation and progress wherever located.

§ 5.14 Indemnification

§ 5.14.1 To the fullest extent permitted by law, the Vendor shall indemnify and hold harmless the Owner, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused by the negligent acts or omissions of the Vendor, a sub-vendor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity which would otherwise exist as to a party or person described in this Section 5.14.1.

§ 5.14.2 In claims against any person or entity indemnified under Section 5.14.1 by an employee of the Vendor, a sub-vendor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, the indemnification obligation under Section 5.14.1 shall not be limited by a limitation on amount or type of damages, compensation, or benefits payable by or for the Vendor or sub-vendor under workers' compensation acts, disability benefit acts, or other employee benefit acts.

§ 5.14.3 Provided the Owner has fulfilled its payment obligations under the Contract Documents, the Vendor shall defend and indemnify the Owner from all loss, liability, damage or expense, including reasonable attorney's fees and litigation expenses, arising out of any lien claim or other claim for payment by any sub-vendor or supplier of any tier. Upon receipt of notice of a lien claim or other claim for payment, the Owner shall notify the Vendor. If approved by the applicable court, when required, the Vendor may substitute a surety bond for the property against which the lien or other claim for payment has been asserted.

ARTICLE 6 TITLE AND RISK OF LOSS

§ 6.1 Title to all FF&E shall be transferred to the Owner upon acceptance in accordance with Article 8.

§ 6.2 The risk of loss with respect to all FF&E provided by the Vendor shall remain with the Vendor, and the Owner has no obligation to insure such FF&E, until acceptance in accordance with Article 8.

ARTICLE 7 DELIVERY AND INSTALLATION

§ 7.1 The Vendor shall deliver FF&E in accordance with the Vendor's progress schedule, or at a time agreed upon by the Owner and Architect, and in accordance with Article 5.

§ 7.2 Delivery and installation of all FF&E shall be made at the Project premises unless otherwise specified in the Contract Documents.

§ 7.3 The Vendor shall coordinate with the Owner regarding the logistics of the Vendor's delivery and installation obligations at the Project premises.

ARTICLE 8 ACCEPTANCE

§ 8.1 The Owner and Architect may conduct a preliminary inspection of FF&E within seven days after its delivery to the Project premises for the purpose of verifying the delivery and quantities. Preliminary inspections shall not constitute acceptance of, taking charge over, or taking control of, such FF&E. The Architect shall report to the Vendor any defects, damage, deficiencies, or nonconformity observed during the preliminary inspection.

§ 8.2 When the Vendor considers the Work, or a portion thereof which the Owner agrees to accept separately, to be complete, the Vendor shall notify the Owner and Architect. The Vendor shall allow the Owner and Architect a reasonable amount of time to inspect the FF&E to determine, based on conformance with the Contract Documents, if it is accepted or rejected in whole or in part. Based on the Architect's recommendation to the Owner and the Owner's own inspection, if any, the Owner shall accept or reject the FF&E, in whole or in part.

§ 8.3 If the Owner rejects any of the FF&E, the Owner, or the Architect acting on behalf of the Owner, shall notify the Vendor within seven days of the date of inspection, specifying the basis for such rejection. Upon rejection, the Vendor shall provide a remedy and evidence of arrangements to accomplish such remedy. The Owner shall allow the Vendor a reasonable amount of time to remedy the rejected FF&E. When the Vendor considers the remedied FF&E to be complete, the parties shall follow the procedures set forth in Section 8.2. If the Owner rejects any of the FF&E for a second time, the Owner shall promptly notify the Vendor and the Vendor shall promptly remove the rejected FF&E from the Project premises and refund payments made for such rejected goods to the Owner. If the Vendor disagrees with an Owner's rejection, the Vendor may make a claim.

§ 8.4 FF&E not inspected in accordance with Section 8.2 or rejected in accordance with Section 8.3 shall be deemed accepted.

§ 8.5 The Owner's acceptance under this Article 8 cannot be revoked; however, the provisions of this Article 8 do not preclude recovery of damages as provided by law. The Owner's acceptance, or failure to discover a Vendor's breach after acceptance, shall not bar the Owner from making claims in accordance with Article 14 or from remedies and damages due to the Vendor's breach of this Agreement, including the Vendor's breach of warranties in Article 9.

ARTICLE 9 WARRANTIES

§ 9.1 The Vendor warrants to the Owner that the FF&E furnished under the Contract will be of good quality and new unless the Contract Documents require or permit otherwise. The Vendor further warrants that the FF&E will conform to the requirements of the Contract Documents. FF&E not conforming to these requirements may be considered defective. The Vendor's warranty excludes remedy for damage or defect caused by abuse, alterations to the FF&E not executed by the Vendor, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage.

§ 9.2 The Vendor assigns to the Owner all FF&E manufacturers' warranties and guarantees upon acceptance in accordance with Article 8.

§ 9.3 The Vendor hereby provides to the Owner all warranties relating to the FF&E implied by law, including the warranty of merchantability and warranty of fitness for a particular purpose.

§ 9.4 The Vendor acknowledges that no exclusion of, or limitation on, warranties contained in any proposal, product literature, or other submittal shall affect the warranties provided in this Article 9.

ARTICLE 10 ARCHITECT

§ 10.1 The Architect will provide administration of the Contract as described in the Contract Documents and will be an Owner's representative during the Vendor's performance, and until completion, of the Work. The Architect will have authority to act on behalf of the Owner only to the extent provided in the Contract Documents, unless otherwise modified in writing in accordance with other provisions of the Contract.

§ 10.2 Except as otherwise provided in the Contract Documents or when direct communications have been specially authorized, the Owner and Vendor shall endeavor to communicate with each other through the Architect about matters arising out of or relating to the Contract. Communications by and with the Architect's consultants shall be through the Architect. Communications by and with sub-vendors and suppliers shall be through the Vendor. Communications by and with separate vendors shall be through the Owner. The Contract Documents may specify other communication protocols.

§ 10.3 The Architect will assist the Owner in coordinating schedules for fabrication, delivery, and installation of the Work, but will not be responsible for failure of the Vendor or a sub-vendor to meet schedules for completion or to perform their respective duties and responsibilities in conformance with applicable schedules.

§ 10.4 The Architect will visit the Project premises at intervals appropriate to the stage of the Work, or as otherwise agreed with the Owner, to become generally familiar with, and to keep the Owner informed about, the progress and quality of the portion of the Work completed, and to determine, in general, if the Work observed is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. The Architect will not have control over, charge of, or responsibility for, the means, methods, techniques, sequences, or procedures of fabrication, shipment, delivery, storage, or installation, or for the safety precautions and programs in connection with the Work, as these are solely the Vendor's rights and responsibilities under the Contract Documents.

§ 10.5 The Architect may order minor changes in the Work. The Architect's order for minor changes shall be in writing. If the Vendor believes that the proposed minor change in the Work will affect the Contract Sum or Contract Time, the Vendor shall notify the Architect and shall not proceed to implement the change in the Work. If the Vendor performs the Work set forth in the Architect's order for a minor change without prior notice to the Architect that such change will affect the Contract Sum or Contract Time, the Vendor waives any adjustment to the Contract Sum or extension of the Contract Time.

§ 10.6 The Architect will conduct inspections of FF&E and provide recommendations as set forth in Article 8. Pursuant to Article 8, the Architect is only responsible for identifying defects, deficiencies, or nonconformities that the Architect actually observes, or reasonably should observe, during its inspections. The Architect is not required to make exhaustive or continuous inspections to fulfill its responsibilities in Article 8 and has no responsibility to discover latent defects.

§ 10.7 The Architect will review and approve or take other appropriate action upon the Vendor's submittals such as shop drawings, product data, and samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.

ARTICLE 11 RELATED ACTIVITIES OF OWNER OR OF SEPARATE VENDORS

§ 11.1 The Owner shall coordinate the activities of the Owner's own forces and of each separate vendor or contractor, if any, with the Work.

§ 11.2 If the Work depends for proper execution or results upon activities by the Owner or a separate vendor or contractor, the Vendor shall, prior to proceeding with that portion of the Work, promptly report to the Owner and Architect apparent discrepancies or defects in, or arising from, the activities of the Owner or separate vendors or contractors, that would impede the Vendor in achieving proper execution and results. If the Vendor fails to report reasonably discoverable discrepancies or defects, it shall be responsible for deficiencies or defects in its Work due to such deficiencies or defects.

§ 11.3 The Vendor shall reimburse the Owner for costs the Owner incurs that are payable to a separate vendor or contractor because of the Vendor's delays, improperly timed activities, or damage to the work of a separate vendor or contractor. The Owner shall be responsible to the Vendor for costs the Vendor incurs because of the delays, improperly timed activities, or damage to the Work caused by a separate vendor or contractor.

§ 11.4 If a dispute arises among the Vendor, separate vendors, or contractors, and the Owner as to the responsibility under their respective contracts for maintaining the Project premises and surrounding area free from waste materials and rubbish, the Owner may clean up and the Architect will allocate the cost among those responsible.

ARTICLE 12 PROTECTION OF PERSONS AND PROPERTY**§ 12.1 Safety Precautions and Programs**

The Vendor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Contract. The Vendor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury, or loss to

- .1 employees on the Work and other persons who may be affected thereby;
- .2 the Work, and materials and FF&E to be incorporated therein, whether in storage on or off the Project premises, under care, custody, or control of the Vendor or sub-vendors; and
- .3 other property at the Project premises or adjacent thereto.

The Vendor shall comply with, and give notices required by, applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities bearing on safety of persons and property and their protection from damage, injury, or loss. The Vendor shall promptly remedy damage and loss to property caused in whole or in part by the Vendor, sub-vendors, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Vendor is responsible under Sections 12.1.2 and 12.1.3. The Vendor may make a claim for the cost to remedy the damage or loss to the extent such damage or loss is attributable to acts or omissions of the Owner or Architect, or of anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Vendor. The foregoing obligations of the Vendor are in addition to the Vendor's obligations under Section 5.14.

§ 12.2 Hazardous Materials and Substances

§ 12.2.1 The Vendor is responsible for compliance with the requirements of the Contract Documents regarding hazardous materials or substances. If the Vendor encounters a hazardous material or substance not addressed in the Contract Documents, and if reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), encountered on the Project premises by the Vendor, the Vendor shall, upon recognizing the condition, immediately stop Work in the affected area and notify the Owner and Architect of the condition. When the material or substance has been rendered harmless, Work in the affected area shall resume upon written agreement of the Owner and Vendor. By written agreement between the Owner and Vendor, the Contract Time shall be extended appropriately, and the Contract Sum shall be increased in the amount of the Vendor's reasonable additional costs of shutdown, delay, and start-up.

§ 12.2.2 To the fullest extent permitted by law, the Owner shall indemnify and hold harmless the Vendor, sub-vendors, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work in the affected area, if in fact, the material or substance presents the risk of bodily injury or death as described in Section 12.2.1 and has not been rendered harmless, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), except to the extent that such damage, loss, or expense is due to the fault or negligence of the party seeking indemnity.

§ 12.2.3 If, without negligence on the part of the Vendor, the Vendor is held liable by a government agency for the cost of remediation of a hazardous material or substance solely by reason of performing Work as required by the Contract Documents, the Owner shall indemnify the Vendor for all cost and expense thereby incurred.

ARTICLE 13 INSURANCE

§ 13.1 The Vendor shall purchase and maintain insurance of the types and limits of liability, containing the endorsements, and subject to the terms and conditions, as described in this Article 13 or elsewhere in the Contract Documents. The Vendor shall purchase and maintain the insurance required by this Agreement from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located. The Vendor shall maintain the required insurance from the date of commencement of the Work to the date of completion of the Work, unless a different duration is stated below.

§ 13.2 Commercial General Liability insurance for the Project written on an occurrence form with policy limits of not less than « » (\$ « ») each occurrence, « » (\$ « ») general aggregate, and « » (\$ « ») aggregate for products-completed operations hazard, providing coverage for claims including

- .1 damages because of bodily injury, sickness or disease, including occupational sickness or disease, and death of any person;
- .2 personal and advertising injury;

- .3 damages because of physical damage to or destruction of tangible property, including the loss of use of such property;
- .4 bodily injury or property damage arising out of completed operations; and
- .5 the Vendor's indemnity obligations under Section 5.14.

§ 13.3 Automobile Liability covering vehicles owned by the Vendor and non-owned vehicles used by the Vendor, with policy limits of not less than « » (\$ « ») per accident, for bodily injury, death of any person, and property damage arising out of the ownership, maintenance, and use of those motor vehicles along with any other statutorily required automobile coverage.

§ 13.4 The Vendor may achieve the required limits and coverage for Commercial General Liability and Automobile Liability through a combination of primary and excess or umbrella liability insurance, provided such primary and excess or umbrella insurance policies result in the same or greater coverage as those required under Sections 13.2 and 13.3, and in no event shall any excess or umbrella liability insurance provide narrower coverage than the primary policy. The excess policy shall not require the exhaustion of the underlying limits only through the actual payment by the underlying insurers.

§ 13.5 Workers' Compensation at statutory limits.

§ 13.6 Employers' Liability with policy limits not less than « » (\$ « ») each accident, « » (\$ « ») each employee, and « » (\$ « ») policy limit.

§ 13.7 If the Vendor is required to furnish professional services as part of the Work, the Vendor shall procure Professional Liability insurance covering performance of the professional services, with policy limits of not less than « » (\$ « ») per claim and « » (\$ « ») in the aggregate.

§ 13.8 The Vendor shall provide certificates of insurance acceptable to the Owner evidencing compliance with the requirements in this Article 13 at the following times: (1) prior to commencement of the Work; (2) upon renewal or replacement of each required policy of insurance; and (3) upon the Owner's written request. An additional certificate evidencing continuation of liability coverage, including coverage for completed operations, shall be submitted with the final invoice and thereafter upon renewal or replacement of such coverage until the expiration of the period required by Section 13.1. The certificates will show the Owner as an additional insured on the Vendor's Commercial General Liability and excess or umbrella liability policy.

§ 13.9 The Vendor shall disclose to the Owner any deductible or self-insured retentions applicable to any insurance required to be provided by the Vendor.

§ 13.10 To the fullest extent permitted by law, the Vendor shall cause the commercial liability coverage required by this Article 13 to include (1) the Owner, the Architect, and the Architect's Consultants as additional insureds for claims caused in whole or in part by the Vendor's negligent acts or omissions during the Vendor's operations; and (2) the Owner as an additional insured for claims caused in whole or in part by the Vendor's negligent acts or omissions for which loss occurs during completed operations. The additional insured coverage shall be primary and non-contributory to any of the Owner's general liability insurance policies and shall apply to both ongoing and completed operations. To the extent commercially available, the additional insured coverage shall be no less than that provided by Insurance Services Office, Inc. (ISO) forms CG 20 10 07 04, CG 20 37 07 04, and, with respect to the Architect and the Architect's Consultants, CG 20 32 07 04.

§ 13.11 Within three (3) business days of the date the Vendor becomes aware of an impending or actual cancellation or expiration of any insurance required by this Article 13, the Vendor shall provide notice to the Owner of such impending or actual cancellation or expiration. Upon receipt of notice from the Vendor, the Owner shall, unless the lapse in coverage arises from an act or omission of the Owner, have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by the Vendor. The furnishing of notice by the Vendor shall not relieve the Vendor of any contractual obligation to provide any required coverage.

§ 13.12 Other Insurance Provided by the Vendor

(List below any other insurance coverage to be provided by the Vendor and any applicable limits.)

Coverage**Limits****§ 13.13 Waiver of Subrogation**

§ 13.13.1 The Owner and Vendor waive all rights against (1) each other and any of their sub-vendors, agents, and employees, each of the other; (2) the Architect and Architect's consultants; and (3) separate vendors or contractors, if any, and any of their sub-vendors, subcontractors, sub-subcontractors, agents, and employees, for damages caused by fire, or other causes of loss, to the extent those losses are covered by property insurance required by this Agreement or other property insurance applicable to the Project, except such rights as they have to proceeds of such insurance. The Owner or Vendor, as appropriate, shall require similar written waivers in favor of the individuals and entities identified above from the Architect, Architect's consultants, separate vendors and contractors, and sub-vendors, subcontractors, and sub-subcontractors. The policies of insurance purchased and maintained by each person or entity agreeing to waive claims pursuant to this Section 13.13.1 shall not prohibit this waiver of subrogation. This waiver of subrogation shall be effective as to a person or entity (1) even though that person or entity would otherwise have a duty of indemnification, contractual, or otherwise, (2) even though that person or entity did not pay the insurance premium directly or indirectly, or (3) whether or not the person or entity had an insurable interest in the damaged property.

§ 13.13.2 A loss insured under the Owner's property insurance shall be adjusted by the Owner as fiduciary and made payable to the Owner as fiduciary for the insureds, as their interests may appear, subject to requirements of any applicable mortgagee clause. The Owner shall pay the Architect and Vendor their just shares of insurance proceeds received by the Owner, and by appropriate agreements, written where legally required for validity, the Architect and Vendor shall make payments to their consultants and sub-vendors in similar manner.

ARTICLE 14 CLAIMS AND DISPUTES**§ 14.1 Binding Dispute Resolution**

For any claim subject to, but not resolved by, mediation pursuant to Section 14.6, the method of binding dispute resolution shall be as follows:

(Check the appropriate box.)

Arbitration pursuant to Section 14.7 of this Agreement

Litigation in a court of competent jurisdiction

Other *(Specify)*

If the Owner and Vendor do not select a method of binding dispute resolution, or do not subsequently agree in writing to a binding dispute resolution method other than litigation, claims will be resolved in a court of competent jurisdiction.

§ 14.2 Claims, disputes, and other matters in question arising out of or relating to this Contract, including those alleging an error or omission by the Architect but excluding those arising under Section 12.2, shall be referred initially to the Architect for decision. Such matters, except those waived as provided for in Section 14.12, shall, after initial decision by the Architect or 30 days after submission of the matter to the Architect, be subject to mediation as a condition precedent to binding dispute resolution.

§ 14.3 Notice of Claims

Claims by either the Owner or Vendor shall be initiated by notice to the other party in accordance with Section 1.11.2.

§ 14.4 Time Limits on Claims

The Owner and Vendor shall commence all claims and causes of action against the other and arising out of or related to the Contract in accordance with the requirements of the final dispute resolution method selected in this Agreement, whether in contract, tort, breach of warranty, or otherwise, within the period specified by applicable law, but in any case not more than 10 years after the date of completion of the Work. The Owner and Vendor waive all claims and causes of action not commenced in accordance with this Section 14.4.

§ 14.5 If a claim, dispute, or other matter in question relates to or is the subject of a mechanic's lien, the party asserting such matter may proceed in accordance with applicable law to comply with the lien procedures, including notice or filing deadlines.

§ 14.6 The parties shall endeavor to resolve their disputes by mediation which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with their Construction Industry Mediation Procedures in effect on the date of this Agreement. A request for mediation shall be made in writing, delivered to the other party to this Agreement, and filed with the person or entity administering the mediation. The request may be made concurrently with the binding dispute resolution proceedings but, in such event, mediation shall proceed in advance of binding dispute resolution proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the parties or court order. If an arbitration is stayed pursuant to this Section, the parties may nonetheless proceed to the selection of the arbitrator(s) and agree upon a schedule for later proceedings.

§ 14.7 If the parties have selected arbitration as the method for binding dispute resolution in this Agreement, any claim, subject to, but not resolved by, mediation shall be subject to arbitration which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association, in accordance with the Construction Industry Arbitration Rules in effect on the date of this Agreement. Demand for arbitration shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the arbitration. The award rendered by the arbitrator or arbitrators shall be final, and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof.

§ 14.8 Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party, at its sole discretion, may consolidate an arbitration conducted under this Agreement with any other arbitration to which it is a party provided that (1) the arbitration agreement governing the other arbitration permits consolidation; (2) the arbitrations to be consolidated substantially involve common questions of law or fact; and (3) the arbitrations employ materially similar procedural rules and methods for selecting arbitrator(s).

§ 14.9 Subject to the rules of the American Arbitration Association or other applicable arbitration rules, any party to an arbitration may include by joinder persons or entities substantially involved in a common question of law or fact whose presence is required if complete relief is to be accorded in arbitration provided that the party sought to be joined consents in writing to such joinder. Consent to arbitration involving an additional person or entity shall not constitute consent to arbitration of a Claim not described in the written Consent.

§ 14.10 The foregoing agreement to arbitrate and other agreements to arbitrate with an additional person or entity duly consented to by parties to this Agreement shall be specifically enforceable under applicable law in any court having jurisdiction thereof.

§ 14.11 Continuing Contract Performance

Pending final resolution of a Claim, except as otherwise agreed in writing, the Vendor shall proceed diligently with performance of the Contract and the Owner shall continue to make payments in accordance with the Contract Documents.

§ 14.12 Waiver of Claims for Consequential Damages

The Vendor and Owner waive claims against each other for consequential damages arising out of or relating to this Contract. This mutual waiver includes

- .1 damages incurred by the Owner for rental expenses, for losses of use, income, profit, financing, business and reputation, and for loss of management or employee productivity or of the services of such persons; and
- .2 damages incurred by the Vendor for principal office expenses including the compensation of personnel stationed there, for losses of financing, business, and reputation, and for loss of profit except anticipated profit arising directly from the Work.

This mutual waiver is applicable, without limitation, to all consequential damages. Nothing contained in this Section 14.12 shall be deemed to preclude an assessment of liquidated damages, when applicable, in accordance with the requirements of the Contract Documents.

ARTICLE 15 ENUMERATION OF CONTRACT DOCUMENTS

§ 15.1 The Contract Documents are defined in Article 1 and, except for Modifications issued after execution of this Agreement, are enumerated in the sections below.

§ 15.2 The Agreement is this executed AIA Document A151™–2019, Standard Form of Agreement Between Owner and Vendor for Furniture, Furnishings, and Equipment.

§ 15.3 AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, dated as indicated below:

(Insert the date of the E203–2013 incorporated into this Agreement.)

« »

§ 15.4 The Specifications:

(Either list the Specifications here or refer to an exhibit attached to this Agreement.)

« »

Section	Title	Date	Pages

§ 15.5 The Drawings:

(Either list the Drawings here or refer to an exhibit attached to this Agreement.)

« »

Number	Title	Date

§ 15.6 The Addenda, if any:

Number	Date	Pages

Portions of Addenda relating to quotations or proposal requirements are not part of the Contract Documents unless the quotation or proposal requirements are enumerated in this Article 15.

§ 15.7 Additional documents, if any, forming part of the Contract Documents:

.1 Other Exhibits:
(Check all boxes that apply.)

[« »] The Sustainability Plan:

Title	Date	Pages

[« »] Supplementary and other Conditions of the Contract:

Document	Title	Date	Pages

.2 Other documents, if any, listed below:

(List here any additional documents that are intended to form part of the Contract Documents.)

« »

This Agreement entered into as of the day and year first written above.

OWNER *(Signature)*

« »« »

(Printed name and title)

VENDOR *(Signature)*

« »« »

(Printed name and title)

TEAR AWAY

Cover Sheet

Selection of Contractor for Removal & Replacement of Existing Play Surface at MSA-7 and of Contract

Section: III. Action Items
Item: C. Selection of Contractor for Removal & Replacement of Existing Play Surface at MSA-7 and of Contract
Purpose: Vote
Submitted by:
Related Material: III C MSA-7 Playground Replacement.pdf



Ad Hoc Committee Agenda Item #:	III C – Action Item
Date:	June 3, 2019
To:	Magnolia Educational & Research Foundation dba Magnolia Public Schools (“ MPS ”) Ad Hoc Committee (the “ Committee ”)
From:	Alfredo Rubalcava, CEO & Superintendent
Staff Lead:	Patrick Ontiveros, General Counsel & Director of Facilities
RE:	MSA-7 – Play Surface Replacement

I. Proposed Recommendation(s)

Staff recommends that the Ad Hoc Committee approve the replacement of the play surfaces at Magnolia Science Academy 7 Northridge (the “**Project**”) and that Great Western Recreation be awarded the contract for said scope of work.

II. Background

MSA7 at 18355 Roscoe Boulevard in Northridge leases space from a Lutheran Church that previously housed a private school run by the church. The facilities, including the playground, are quite old. The playground consists of two large play areas filled with sand. See pictures attached as Exhibit A. MSA7 and its stakeholders – teachers, staff, parents – have expressed a desire to replace the sand filled areas with more modern play surfaces.

MSA7 is the recipient of a Charter School Facility Incentive Grant (“**CSFIG**”). The total CSFIG is **\$414,975**. It previously spent a portion of its grant, approximately **\$148,562.90**, to repair the pavement at its facilities. MSA7 would now like to spend a portion of its remaining grant on the Project. **\$266,412.10** of the CSFIG remains. Assuming a budget of **\$125,000** for the Project (the bid price plus a contingency), approximately **\$141,412** would remain to complete another capital improvement project – the creation of another staff restroom and the refurbishment of a bank of student restrooms.

III. Procurement Process

An RFP was issued to multiple contractors producers and installers of play surfacing. See Exhibit B attached hereto. Staff received bids from three (3) companies. After a review of the bids, the selection committee decided to interview two (2) bidders. Such interviews occurred on April 24th at the MSA-7 campus.



Base on the bids received and the interviews conducted, the selection committee recommends approval of the award of the contract for the Project to Great Western Resources. The bid received is for **\$100,851.10**. A copy of the bid is attached as Exhibit C.

A draft copy of the proposed contract with Great Western Resources is attached as Exhibit D. Staff will negotiate the final form of the contract to conform to the requirements of the CSFIG program.

IV. Budget Impacts

The Project will be paid for with CSFIG funds. CSFIG funds must be spent on or before August 31, 2019.

Exhibits (attachments):

- A. Site Pictures
- B. RFP
- C. Great Western Bid
- D. Draft Contract



Exhibit A

Site Pictures





Exhibit B

RFP

(see following pages)



MAGNOLIA PUBLIC SCHOOLS

Request for Proposal to Provide
Playground Surface Installation Services for
Magnolia Science Academy 7

Due Date:

Monday, March 18, 2019

I. Overview & Background

Magnolia Education & Research Foundation doing-business as Magnolia Public Schools ("MPS") and headquartered in Los Angeles is a charter school management organization that operates Magnolia Science Academy 7 ("MSA 7"). MPS is seeking a contractor to design, permit and re-construct a playground on MSA 7's campus. The existing playground has two large areas filled with sand that MSA 7 would like to remove and replace with a rubber surface.

MPS expects to pay for the Services described in this RFP with a federal grant administered by the California School Finance Authority—the Charter School Facility Incentive Grant. **Therefore, all work must be prevailing wage.**

MPS is a network of 10 high-performing public charter schools that serves students in Los Angeles, Orange, and San Diego Counties. For more than a decade, MPS has delivered high quality education emphasizing science, technology, engineering and math. MPS is regularly recognized as having some of the top-performing-schools in the nation.

II. Scope of Services to be Provided

MSA-7, the subject of this Request for Proposal ("RFP"), is located at 18355 Roscoe Boulevard in the City of Northridge. See Exhibit A for location of the School which rents space at the location from a church. The existing playground has two large areas filled with sand (see Exhibit B). MSA 7 would like to remove the sand and replace it with a rubber surface, artificial turf, or another suitable material. Exhibit C shows some of the highest points of the playground equipment for planning purposes.

The scope of services covered by this RFP (the "Services") shall include the following:

- Determine the feasibility and constructability of the desired playground improvements.
- Design and submit drawings for permits, if needed, to LADBS
- Construct the improvements which shall include the following:
 - Remove existing sand and brick perimeter
 - Remove existing play structures
 - Install a new rubber play surface
 - Reinstall play structures

The MPS Board of Directors, upon recommendation by MPS management, will approve the selected firm (the "Provider") to provide the Services. Further, the Services will be provided under a contract approved by the MPS Board of Directors.

MPS will be responsible for the following tasks in order to facilitate the provision of the Services by the Provider.

- Arrange access to the School site.
- Provide any plans that exist.
- Provide such other support as shall be necessary to facilitate the completion of the Services

according to the desired completion date cited herein.

III. Timetable for Selecting a Provider

The proposed timetable for selecting a Provider to provide the requested Services and the provision of Services by said Provider is as follows:

Date	Description
Wednesday, March 6, 2019	Issue RFP
TBD on a case by case basis – Week of March 11, 2019	MSA7 Site Visits for Interested Vendors
Monday, March 18, 2019	Proposal Responses Due
Tuesday-Wednesday, March 19-21, 2019	Selection of Service Provider
On or about March 28, 2019	Recommendation and Board or Ad Hoc Committee Approval
Monday, April 15, 2019	Commencement of Services
Sunday, April 21, 2019	Completion of Services

MPS understands that the commencement and duration of the work will be impacted by any permitting and inspections that may be required by the City of Los Angeles Department of Building and Safety.

If it is not feasible to complete the work during the time period set forth above (during a school break), the Work may be done commencing June 10, 2019.

IV. Questions and Submission

All questions regarding this RFP should be directed to the following person, preferably by e-mail, as shown below.

Mr. Patrick Ontiveros, Esq.
 General Counsel and Director of Facilities
 Magnolia Public Schools
 250 East 1st Street, Suite 1500 Los Angeles, CA 90012
pontiveros@magnoliapublicschools.org
 Office: (213) 628-3634 x103
 Mobile: (323) 490-0701

All proposals are due ***no later than 5:00 p.m. on Thursday, October 18, 2018*** and may be delivered either by email or in hard copy form to the person indicated above. Samples may be delivered to the above referenced address.

V. Proposal Format

Proposals may not exceed twelve (12) pages including any exhibits but excluding any surfacing samples. Proposals are to include the following content:

A. ***Vendor Qualifications and Experience.***

- (1) State the name, size of you firm, the size of the staff, the location of the office from which the work on this engagement is to be performed, and the number and nature of the professional staff to be employed in this engagement. If you are sole proprietor, please state this fact.
- (2) Provide a summary of the firm's experiences over the past five (5) years in providing directly relevant services.
- (3) Disclose relationships that have been terminated and the circumstances around such terminations.
- (4) Describe your experience with prevailing wage jobs and ability to meet the applicable rules and regulations governing prevailing wage jobs.

B. ***Qualifications and Experience of Key Personnel.***

- (1) Contractor's license and in good standing.
- (2) Identify the person that will be principally responsible for working with MPS and leading this engagement.

C. *References.* Provide three (3) references of clients for whom you have provided a similar scope of services over the past three (3) years. Please include full name, position, telephone number and email address and a description of the engagement.

D. *Insurance Requirements.* MPS will require that the Provider possess certificates of insurance evidencing required coverage and the minimums as indicated below. MPS will require that Provider procure and maintain for the duration of its engagement with MPS insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of work by the Provider, its agents, representatives or employees. It is required that broad coverage include the following:

- (1) Commercial General Liability on an occurrence basis for bodily injury and property damage including products completed operations, personal injury and advertising;
- (2) Automobile Liability for bodily injury and property damage;

- (3) Workers Compensation Insurance as required by the State of California with Statutory Limits, and Employer's Liability;
- (4) And, such other insurance as MPS may reasonably require.
- (5) Given the foregoing requirements, please provide a statement as to the willingness and ability of your firm to provide the required minimums.

E. Conflicts of Interest. Please disclose each of the following:

- (1) Any violations of federal, state or local regulations/laws within the past three (3) years regardless of how resolved;
- (2) All threatened, pending or current disputes (including litigations) and the status of said disputes;
- (3) Arrangements with other firms that may pose a potential conflict of interest to the MPS engagement; any arrangements that are likely to be made in order to deliver upon the MPS engagement; and
- (4) If none of the above apply, provide a statement to that effect.

F. Cost Proposal. Please present a cost proposal as a not to exceed amount based on the scope of the Services identified in this RFP and the site walk. Proposals should include **ALL** standard costs associated with providing the services described in the Scope of Work.

- (1) Include specifications for the new proposed play surface, including but not limited to any options to choose from and provide the pros and cons of each.
- (2) Proposals may include a compensation that includes the hourly rate for each individual who would be assigned to MPS, and a cost by category for all major activities.
- (3) Provide separate line items for material and labor. For labor, provide separate line items for the removal and disposal of the sand and the balance of the work.
- (4) Be clear as to any services that might be typically provided with an engagement such as the one outlined in this RFP and which may fall outside your cost proposal. If there are none, ensure that you make a statement to that effect.
- (5) Please provide an estimated overall cost for the Services based on the information provided in this RFP and the site-walk including taking into account the desired completion timeframe and the prevailing wage requirements set forth herein.
- (6) Provide a description of the warranty provided.

G. Form of Agreement. The successful responder will agree to enter into an agreement substantially similar to AIA Document A105™–2017 Standard Short Form of Agreement Between Owner and Contractor or another mutually agreeable contract form. Any objections to this form of agreement should be indicated in your response and an alternative agreement should be proposed.

H. Site Visit. MPS expects that interested contractors will visit the site on the dates set forth above to understand and define the exact scope of work.

VI. Evaluation of Proposals and Negotiations.

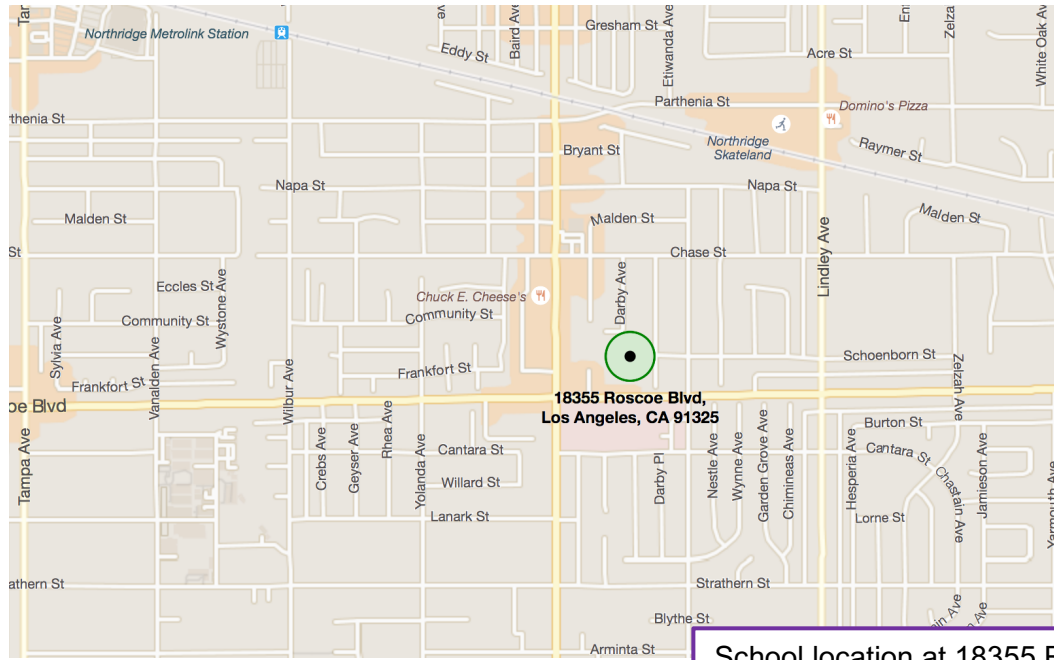
Overall responsiveness made within the response to this RFP are important factors in the overall evaluation process. MPS will select a firm that has the highest suitability for the work with MPS and the ability to meet the stated deadline for completion at a competitive price point.

VII. Award.

MPS reserves the right to reject any and all proposals; to waive any informality in the proposal process; and to accept the proposal that appears to be in its best interests. Further, MPS reserves the right to modify or issue amendments to this RFP and to cancel or reissue this RFP at any time.

End of Request for Proposal

EXHIBIT A MAP OF SCHOOL LOCATION



School location at 18355 Roscoe Blvd

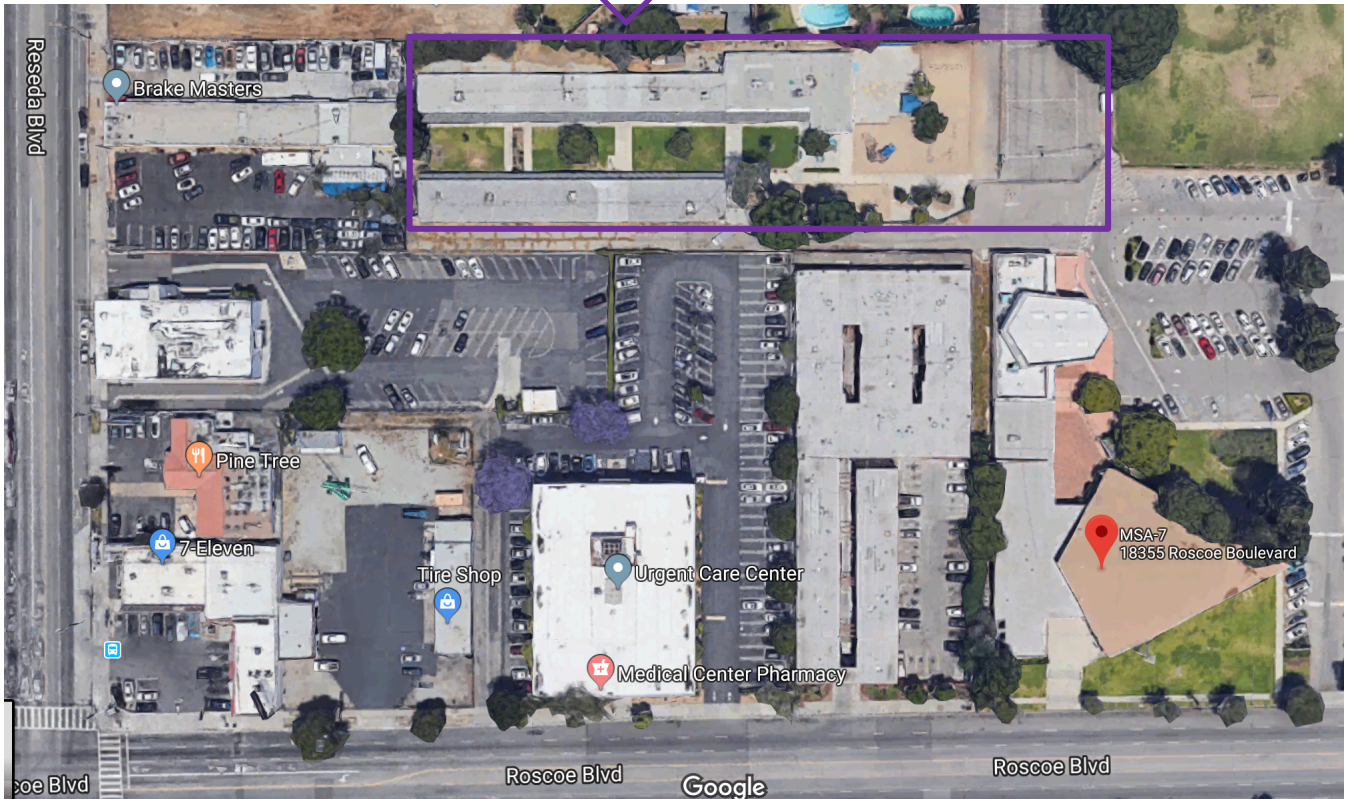


EXHIBIT B

Plan of Improvement



Exhibit C





Exhibit C

Great Western Recreation Bid

(see following pages)



Great Western Recreation
 975 S. Hwy 89-91
 Logan, UT 84321
 435-245-5055
 www.gwpark.com

QUOTE
#97892

03/15/2019

Magnolia Science Academy 7 Surfacing and Sitework Bid 2019

Magnolia Science Academy
 Attn: F. Metin
 18355 Roscoe Blvd.
 Northridge, CA 91325
 Phone: 818-806-0585
 fmetin@magnoliapublicschools.org

Project #: P69695
 Ship To Zip: 91325

Quantity	Part #	Description	Unit Price	Amount
2570	PIP	GT-Impax - Poured in Place Surfacing, Delivered and Installed - 2,570 sf, 3.5" depth Includes 50/50 Standard EPDM and Black - TBD Aromatic Binder, PREVAILING Wages Based on good job access and no design	\$12.73	\$32,716.10
1	SS	GT-Impax - Site Security	\$530.00	\$530.00
1	INSTALL	Game Time - Site Prep, Area 1 - Excavate and remove roughly 2570 SF of sand and earth at 19.5" depth in existing area and 150 LF of existing cinderblock border at 12" high Provide and install roughly 2570 SF of compacted aggregate in prep of PIP Provide and install Qty 4 concrete tree weeks (3 large, 1 small) around existing trees	\$23,360.00	\$23,360.00
1	INSTALL	Game Time - Equipment Lowering, Area 1	\$5,060.00	\$5,060.00
1	INSTALL	Game Time - Site Prep, Area 2 - Excavate and remove roughly 5000 SF of sand at 7.5" in existing area and 350 LF of existing cinderblock border at 12" high Provide and install roughly 5000 SF of compacted aggregate in prep for PIP Provide and install Qty 1, large concrete tree well	\$30,545.00	\$30,545.00
1	INSTALL	Game Time - Equipment Lowering, Area 2	\$8,640.00	\$8,640.00

Site:
 18355 Roscoe Blvd
 Northridge, CA 91325

SubTotal: \$100,851.10
Total Amount: \$100,851.10

Prevailing Wages

DIR# 1000015526 CSLB#855664

***Note: If you are issuing a P.O. or CONTRACT please make it payable to GameTime C/O Great Western. Checks should also be made payable to GameTime C/O Great Western Recreation**



Magnolia Science Academy 7 Surfacing and Sitework Bid 2019**QUOTE
#97892**

03/15/2019

Payment Options:

Credit Orders - Complete a GameTime Credit Application in order to receive approved credit. Allow 7-10 business days for processing time. An order deposit may be required.

Credit Card Orders - Visa, Mastercard, or American Express. Your credit card will be charged by GameTime.

Cash on Delivery(COD) - Checks made out to GameTime C/O Great Western

This quotation is subject to policies in the current GameTime Playground Catalog and the following terms and conditions. Our quotation is based on shipment of all items at one time to a single destination, unless noted, and changes are subject to price adjustment. Purchases in excess of \$1,000.00 to be supported by your written purchase order made out to GameTime, C/O Great Western.

Specifications: Specifications were current at the time of publication. GameTime has an ongoing policy of product improvement and therefore reserves the right to improve specifications or discontinue products without notice.

Terms of Sale: To governmental agencies and tax supported institutions, and those with approved credit, payment is due with 30 days from the date of invoice. A 1.5% per month finance charge will be imposed on all past due accounts. We also accept payment by VISA, Mastercard, or American Express. All other orders will require a 50% deposit at the time of order entry. The balance will be due with a certified check upon receipt of shipment (C.O.D).

Prices: Prices are F.O.B factory and do not include freight charges. All prices listed were current at the time of publication and quoted in U.S. funds. Prices are subject to change without notice. Current prices will apply at the time of shipment. Due to the abnormally high cost of fuel and its impact on many of the materials used in our industry, quotations are valid for 30 days only and prices may be subject to material and fuel surcharges at the time of shipment.

Freight Charges: Freight charges are determined and collected by the carrier unless GameTime is requested and agrees to prepay and add these costs to the invoice.

Taxes: If applicable, taxes will be added to the invoice except when a tax exempt certificate is provided with the purchase order at the time of order entry. Taxes will be applicable at the time of invoice.

Minimum Order: Our minimum order is \$50 (USD). Any order less than \$5,000 requires cash with order or payment by major credit card.

Order Cancellation: Once accepted, orders can be canceled only with the consent of GameTime, and on terms which will indemnify GameTime against loss. Canceled orders will be subject to a restocking fee. Equipment "built-to-order" is non-cancelable.

Domestic Shipments: Unless specifically given routing instructions on the purchase order, shipment will be made via the carrier we consider to be the most economical and practical in reaching the final destination. All domestic shipments are governed by ICC Regulations.

Delays in Transit: GameTime is not responsible for delays in transit and such delays shall not alter our invoicing terms. If your order does not reach you within a reasonable time after being advised that shipment went forward from our plant, GameTime will be glad to assist in the tracking process

Loss or Damage in Transit: GameTime is not responsible for loss or damage in transit. When we release the material to the carrier, a bill of lading is signed which states that the shipment was received from us complete and in good condition. A copy of this bill of lading is forwarded to you with the shipment and should be checked carefully with the materials you receive. Any shortage discrepancy or damage must be noted on the delivery receipt and signed by the carrier's representative. Failure to not expectations on the delivery receipt may impair your right to recovery from the carrier.

Weights: All published weights are estimated and include appropriate packing materials. Actual weights may vary slightly.

Submittals: GameTime design proposal reflects the spirit and intent of the project plans and specifications. While some variations may exist between our quotation and the project design, the differences do not materially affect the intended use. GameTime designs and specifications are unique and not intended to be identical in all respects to other manufacturers. When requested we shall submit for review and approval by the owner's representative detailed drawings depicting the equipment to be furnished accompanied by specifications describing materials. Once approved, these drawings and specifications shall constitute the final documents for the project and shall take precedence over all other requirements.

Site Dimensions: Confirmation of final site dimensions and use zones are the responsibility of the owner.

Use Zones: Use zones shown are minimum safety zones required and should be clear of any overhead obstructions and any other encroachments. Please refer to ASTM 1487-11 a e1 for additional information regarding using zones and placement of playground equipment

Installation: Shall be by a Certified GameTime Installer. Customer shall be responsible for scheduling and site preparation. Site should be level and permit installation equipment access. Purchaser shall be responsible for unknown conditions such as stumps, bedrock or any concealed materials or conditions that may result in additional labor or material costs.



Magnolia Science Academy 7 Surfacing and Sitework Bid 2019

**QUOTE
#97892**

03/15/2019

Order cannot be processed without colors. Please list your colors choices in the spaces provided below.

Item #1:

Product Name _____

Color Choice _____

Item #2:

Product Name _____

Color Choice _____

Item #3:

Product Name _____

Color Choice _____

Item #4:

Product Name _____

Color Choice _____

CUSTOMER ORDER ENTRY INFORMATION REQUIRED:

To Order:

Bill To: _____

Company: _____

Billing Contact: _____

Address: _____

City, State, Zip: _____

Tel: _____

Email: _____

Ship To: _____

Contact: _____

Address: _____

City, State, Zip: _____

Tel: _____

Email: _____

SITE:

Address: _____

City, State, Zip: _____

***TO ENSURE WE HAVE ALL THE CORRECT INFORMATION, PLEASE COMPLETELY FILL OUT THE ORDER INFORMATION ABOVE!!**

To Verify the information above is correct and colors are correct, please sign:

Customer Signature _____ Title _____

Please complete the acceptance portion of this quotation and provide color selections, purchase order copy and other key information requested. Acceptance of this proposal indicates your agreement to the terms and conditions stated herein.

Customer Signaure _____ Title _____



975 South Highway 89-91
Logan, Utah 84321

Great Western Installations Project Team



Tyler Kyriopoulos -*Principle Owner*

Tyler will be the lead representative for your account. Tyler has been with Great Western Recreation for 19 years, first as an installer and later as a Sales Representative and principal owner. This career path has made Tyler an expert at the construction level, as well as the design level, for playground projects. He has become one of the nation's leading representatives for both Game Time, as well as Great Western Recreation. He coordinates hundreds of park and playground projects over the course of his career and demonstrates the ability to coordinate large and small projects quickly and efficiently. He will act as the point person on all projects for your organization.



Shellece Gunnel - COO

Shellece is our Chief Operating Officer and has been with Great Western for over five years. She has a background as a Project Coordinator with experience in CAD playground design, as well as accounting. Shellece brings to us over 15 years of administration experience from previous employment and owning her own business. She has been invaluable to the organization of our structure. Shellece strives to ensure an orderly flow of project management for park and playground projects over each of the six states we service.

975 South Highway 89-91
Logan, Utah 84321



Milisa Guthrie - *Accountant*

Milisa joined Great Western in 2018 as the Accountant. In this role, she leads all financial matters including accounting, reporting and cash management. Milisa spent more than eight years in accounting and management function for various organizations in the Logan, UT area.



Danielle Peterson - *Project Coordinator*

Danielle has served as Senior Project Coordinator for four years. She brings with her experience in project and office management. Danielle is trained in Game Time's specialty CAD program and is a leader in CAD playground design. She has designed or assisted in the design of many park and playground projects while employed at Great Western.



Shelly Bytendorp - *Customer Service*

Shelly joined Great Western in 2007 bringing 20 years of office and banking experience with her. Shelly will be assigned to the account as a secondary layer of customer service assisting with any issues related to replacement parts or any collateral materials.



Great Western Recreation References

Client: City of Los Angeles Department of Rec & Parks

Contact: Mike Shull

Phone: 213-202-2655

Email: Michael.a.shull@lacity.org

Client: City of El Segundo

Contact: Meredith Petit

Phone: 310-524-2880

Email: petit@elsegundo.org

Client: San Luis Coastal Unified School District

Contact: Stephen Stewart

Phone: 905-431-3918

Email: cmccarthy@lake-elsinore.org

Client: Pleasant Valley Rec & Park District

Contact: Matt Parker

Phone: 805-432-1471

Email: mparker@pvrrpd.org

Client: City of Cerritos

Contact: Sherre Titus

Phone: 562-916-1255

Email: stitus@cerritos.us

Client: City of Murrieta

Contact: Lea Kolek

Phone: 951-461-6116

Email: ikolek@murrieta.org

Client: City of Long Beach

Contact: Sharon Gates

Phone: 562-570-3124

Email: Sharon.Gates@longbeach.gov

Client: Pond Union School District

Contact: Frank Ohnesorgen

Phone: 661-792-2545

Email: fohnesorgen@pond.k12.ca.us

Client: City of Lakewood

Contact: Kevin Bright

Phone: 562-866-9771

Email: kbright@lakewoodcity.org

Client: City of Atascadero

Contact: Nick Debar

Phone: 805-470-3456

Email: ndebar@atascadero.org



Great Western Recreation References



Mole Park- City of Avalon, CA

Completed: January 2017

Price: \$212,916

Client: City of Avalon

Contact: Dan Hunke

Phone: 310-912-0447

Email: dhunke@cityofavalon.com



Hilltop Park – El Segundo, CA

Completed: March 2016

Price: \$150 K

Client: City of El Segundo

Contact: Meredith Petit

Phone: 310-524-2880

Email: petit@elsegundo.org



City of Los Angeles, CA – York Avenue Park

Completed: February 2015

Price: \$212,916

Client: City of Los Angeles

Contact: Craig Raines

Phone: 213-202-2652

Email: craig.raines@lacity.org



Chepas Park - Santa Ana, CA

Completed: May 2018

Price: \$27,810

Client: City of Santa Ana

Contact: America Robeldo

Phone: 714-647-6556

Email: arobeldo@santa-ana.org



Exhibit D

Draft Contract

(See Following Pages)

DRAFT AIA® Document A105™ - 2017

Standard Short Form of Agreement Between Owner and Contractor

AGREEMENT made as of the « » day of « » in the year « »
(In words, indicate day, month and year.)

BETWEEN the Owner:
(Name, legal status, address and other information)

« »
« »
« »
« »

and the Contractor:
(Name, legal status, address and other information)

« »
« »
« »
« »

for the following Project:
(Name, location and detailed description)

«MSA-1 Playground Replacement»
«18335 Roscoe Blvd»
« »

The Architect:
(Name, legal status, address and other information)

« »
« »
« »
« »

The Owner and Contractor agree as follows.

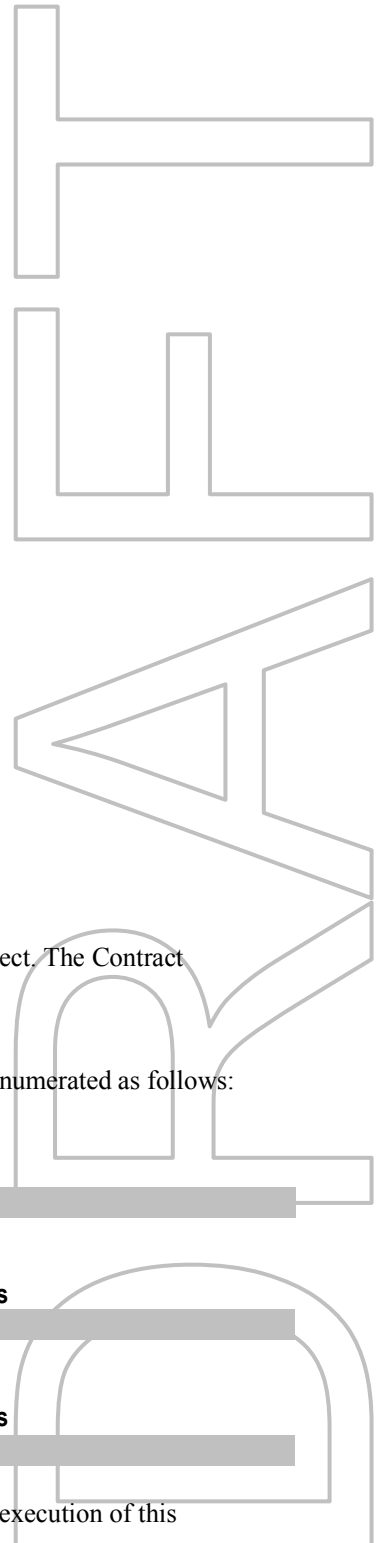
ADDITIONS AND DELETIONS:
The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

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ARTICLE 1 THE CONTRACT DOCUMENTS

The Contractor shall complete the Work described in the Contract Documents for the Project. The Contract Documents consist of

- .1 this Agreement signed by the Owner and Contractor;
- .2 the drawings and specifications prepared by the Architect, dated « », and enumerated as follows:

Drawings:

Number	Title	Date

Specifications:

Section	Title	Pages

- .3 addenda prepared by the Architect as follows:

Number	Date	Pages

- .4 written orders for changes in the Work, pursuant to Article 10, issued after execution of this Agreement; and

.5 other documents, if any, identified as follows:

<< >>

ARTICLE 2 DATE OF COMMENCEMENT AND SUBSTANTIAL COMPLETION

§ 2.1 The Contract Time is the number of calendar days available to the Contractor to substantially complete the Work.

§ 2.2 Date of Commencement:

Unless otherwise set forth below, the date of commencement shall be the date of this Agreement. (Insert the date of commencement if other than the date of this Agreement.)

<< >>

§ 2.3 Substantial Completion:

Subject to adjustments of the Contract Time as provided in the Contract Documents, the Contractor shall achieve Substantial Completion, as defined in Section 12.5, of the entire Work: (Check the appropriate box and complete the necessary information.)

[<< >>] Not later than << >> (<< >>) calendar days from the date of commencement.

[<< >>] By the following date: << >>

ARTICLE 3 CONTRACT SUM

§ 3.1 The Contract Sum shall include all items and services necessary for the proper execution and completion of the Work. Subject to additions and deductions in accordance with Article 10, the Contract Sum is:

<< >> (\$ << >>)

§ 3.2 For purposes of payment, the Contract Sum includes the following values related to portions of the Work: (Itemize the Contract Sum among the major portions of the Work.)

Portion of the Work	Value

§ 3.3 The Contract Sum is based upon the following alternates, if any, which are described in the Contract Documents and hereby accepted by the Owner: (Identify the accepted alternates. If the bidding or proposal documents permit the Owner to accept other alternates subsequent to the execution of this Agreement, attach a schedule of such other alternates showing the amount for each and the date when that amount expires.)

<< >>

§ 3.4 Allowances, if any, included in the Contract Sum are as follows: (Identify each allowance.)

Item	Price

§ 3.5 Unit prices, if any, are as follows: (Identify the item and state the unit price and quantity limitations, if any, to which the unit price will be applicable.)

Item	Units and Limitations	Price per Unit (\$0.00)

ARTICLE 4 PAYMENTS

§ 4.1 Based on Contractor's Applications for Payment certified by the Architect, the Owner shall pay the Contractor, in accordance with Article 12, as follows:

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(Insert below timing for payments and provisions for withholding retainage, if any.)

<< >>

§ 4.2 Payments due and unpaid under the Contract Documents shall bear interest from the date payment is due at the rate below, or in the absence thereof, at the legal rate prevailing at the place of the Project.
(Insert rate of interest agreed upon, if any.)

<< >> % << >>

ARTICLE 5 INSURANCE

§ 5.1 The Contractor shall maintain the following types and limits of insurance until the expiration of the period for correction of Work as set forth in Section 14.2, subject to the terms and conditions set forth in this Section 5.1:

§ 5.1.1 Commercial General Liability insurance for the Project, written on an occurrence form, with policy limits of not less than << >> (\$ << >>) each occurrence, << >> (\$ << >>) general aggregate, and << >> (\$ << >>) aggregate for products-completed operations hazard.

§ 5.1.2 Automobile Liability covering vehicles owned, and non-owned vehicles used, by the Contractor, with policy limits of not less than << >> (\$ << >>) per accident, for bodily injury, death of any person, and property damage arising out of the ownership, maintenance, and use of those motor vehicles along with any other statutorily required automobile coverage.

§ 5.1.3 The Contractor may achieve the required limits and coverage for Commercial General Liability and Automobile Liability through a combination of primary and excess or umbrella liability insurance, provided that such primary and excess or umbrella insurance policies result in the same or greater coverage as those required under Section 5.1.1 and 5.1.2, and in no event shall any excess or umbrella liability insurance provide narrower coverage than the primary policy. The excess policy shall not require exhaustion of the underlying limits only through the actual payment by the underlying insurers.

§ 5.1.4 Workers' Compensation at statutory limits.

§ 5.1.5 Employers' Liability with policy limits not less than << >> (\$ << >>) each accident, << >> (\$ << >>) each employee, and << >> (\$ << >>) policy limit.

§ 5.1.6 The Contractor shall provide builder's risk insurance to cover the total value of the entire Project on a replacement cost basis.

§ 5.1.7 Other Insurance Provided by the Contractor

(List below any other insurance coverage to be provided by the Contractor and any applicable limits.)

Coverage

Limits

§ 5.2 The Owner shall be responsible for purchasing and maintaining the Owner's usual liability insurance and shall provide property insurance to cover the value of the Owner's property. The Contractor is entitled to receive an increase in the Contract Sum equal to the insurance proceeds related to a loss for damage to the Work covered by the Owner's property insurance.

§ 5.3 The Contractor shall obtain an endorsement to its Commercial General Liability insurance policy to provide coverage for the Contractor's obligations under Section 8.12.

§ 5.4 Prior to commencement of the Work, each party shall provide certificates of insurance showing their respective coverages.

§ 5.5 Unless specifically precluded by the Owner's property insurance policy, the Owner and Contractor waive all rights against (1) each other and any of their subcontractors, suppliers, agents, and employees, each of the other; and (2) the Architect, Architect's consultants, and any of their agents and employees, for damages caused by fire or other

causes of loss to the extent those losses are covered by property insurance or other insurance applicable to the Project, except such rights as they have to the proceeds of such insurance.

ARTICLE 6 GENERAL PROVISIONS

§ 6.1 The Contract

The Contract represents the entire and integrated agreement between the parties and supersedes prior negotiations, representations or agreements, either written or oral. The Contract may be amended or modified only by a written modification in accordance with Article 10.

§ 6.2 The Work

The term "Work" means the construction and services required by the Contract Documents, and includes all other labor, materials, equipment, and services provided, or to be provided, by the Contractor to fulfill the Contractor's obligations.

§ 6.3 Intent

The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all.

§ 6.4 Ownership and Use of Architect's Drawings, Specifications and Other Documents

Documents prepared by the Architect are instruments of the Architect's service for use solely with respect to this Project. The Architect shall retain all common law, statutory, and other reserved rights, including the copyright. The Contractor, subcontractors, sub-subcontractors, and suppliers are authorized to use and reproduce the instruments of service solely and exclusively for execution of the Work. The instruments of service may not be used for other Projects or for additions to this Project outside the scope of the Work without the specific written consent of the Architect.

§ 6.5 Electronic Notice

Written notice under this Agreement may be given by one party to the other by email as set forth below. *(Insert requirements for delivering written notice by email such as name, title, and email address of the recipient, and whether and how the system will be required to generate a read receipt for the transmission.)*

« »

ARTICLE 7 OWNER

§ 7.1 Information and Services Required of the Owner

§ 7.1.1 If requested by the Contractor, the Owner shall furnish all necessary surveys and a legal description of the site.

§ 7.1.2 Except for permits and fees under Section 8.7.1 that are the responsibility of the Contractor, the Owner shall obtain and pay for other necessary approvals, easements, assessments, and charges.

§ 7.1.3 Prior to commencement of the Work, at the written request of the Contractor, the Owner shall furnish to the Contractor reasonable evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract. The Contractor shall have no obligation to commence the Work until the Owner provides such evidence.

§ 7.2 Owner's Right to Stop the Work

If the Contractor fails to correct Work which is not in accordance with the Contract Documents, the Owner may direct the Contractor in writing to stop the Work until the correction is made.

§ 7.3 Owner's Right to Carry Out the Work

If the Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a seven day period after receipt of written notice from the Owner to commence and continue correction of such default or neglect with diligence and promptness, the Owner may, without prejudice to other remedies, correct such deficiencies. In such case, the Architect may withhold or nullify a Certificate for Payment in whole or in part, to the extent reasonably necessary to reimburse the Owner for the cost of correction, provided the actions of the Owner and amounts charged to the Contractor were approved by the Architect.

§ 7.4 Owner's Right to Perform Construction and to Award Separate Contracts

§ 7.4.1 The Owner reserves the right to perform construction or operations related to the Project with the Owner's own forces, and to award separate contracts in connection with other portions of the Project.

§ 7.4.2 The Contractor shall coordinate and cooperate with the Owner's own forces and separate contractors employed by the Owner.

ARTICLE 8 CONTRACTOR

§ 8.1 Review of Contract Documents and Field Conditions by Contractor

§ 8.1.1 Execution of the Contract by the Contractor is a representation that the Contractor has visited the site, become familiar with local conditions under which the Work is to be performed, and correlated personal observations with requirements of the Contract Documents.

§ 8.1.2 The Contractor shall carefully study and compare the Contract Documents with each other and with information furnished by the Owner. Before commencing activities, the Contractor shall (1) take field measurements and verify field conditions; (2) carefully compare this and other information known to the Contractor with the Contract Documents; and (3) promptly report errors, inconsistencies, or omissions discovered to the Architect.

§ 8.2 Contractor's Construction Schedule

The Contractor, promptly after being awarded the Contract, shall prepare and submit for the Owner's and Architect's information a Contractor's construction schedule for the Work.

§ 8.3 Supervision and Construction Procedures

§ 8.3.1 The Contractor shall supervise and direct the Work using the Contractor's best skill and attention. The Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences, and procedures, and for coordinating all portions of the Work.

§ 8.3.2 The Contractor, as soon as practicable after award of the Contract, shall furnish in writing to the Owner, through the Architect, the names of subcontractors or suppliers for each portion of the Work. The Contractor shall not contract with any subcontractor or supplier to whom the Owner or Architect have made a timely and reasonable objection.

§ 8.4 Labor and Materials

§ 8.4.1 Unless otherwise provided in the Contract Documents, the Contractor shall provide and pay for labor, materials, equipment, tools, utilities, transportation, and other facilities and services necessary for proper execution and completion of the Work.

§ 8.4.2 The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Contract Work. The Contractor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them.

§ 8.5 Warranty

The Contractor warrants to the Owner and Architect that: (1) materials and equipment furnished under the Contract will be new and of good quality unless otherwise required or permitted by the Contract Documents; (2) the Work will be free from defects not inherent in the quality required or permitted; and (3) the Work will conform to the requirements of the Contract Documents. Any material or equipment warranties required by the Contract Documents shall be issued in the name of the Owner, or shall be transferable to the Owner, and shall commence in accordance with Section 12.5.

§ 8.6 Taxes

The Contractor shall pay sales, consumer, use, and similar taxes that are legally required when the Contract is executed.

§ 8.7 Permits, Fees and Notices

§ 8.7.1 The Contractor shall obtain and pay for the building permit and other permits and governmental fees, licenses, and inspections necessary for proper execution and completion of the Work.

§ 8.7.2 The Contractor shall comply with and give notices required by agencies having jurisdiction over the Work. If the Contractor performs Work knowing it to be contrary to applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, the Contractor shall assume full responsibility for such Work and shall bear the attributable costs. The Contractor shall promptly notify the Architect in writing of any known inconsistencies in the Contract Documents with such governmental laws, rules, and regulations.

§ 8.8 Submittals

The Contractor shall promptly review, approve in writing, and submit to the Architect shop drawings, product data, samples, and similar submittals required by the Contract Documents. Shop drawings, product data, samples, and similar submittals are not Contract Documents.

§ 8.9 Use of Site

The Contractor shall confine operations at the site to areas permitted by law, ordinances, permits, the Contract Documents, and the Owner.

§ 8.10 Cutting and Patching

The Contractor shall be responsible for cutting, fitting, or patching required to complete the Work or to make its parts fit together properly.

§ 8.11 Cleaning Up

The Contractor shall keep the premises and surrounding area free from accumulation of debris and trash related to the Work. At the completion of the Work, the Contractor shall remove its tools, construction equipment, machinery, and surplus material; and shall properly dispose of waste materials.

§ 8.12 Indemnification

To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner, Architect, Architect's consultants, and agents and employees of any of them, from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused by the negligent acts or omissions of the Contractor, a subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss or expense is caused in part by a party indemnified hereunder.

ARTICLE 9 ARCHITECT

§ 9.1 The Architect will provide administration of the Contract as described in the Contract Documents. The Architect will have authority to act on behalf of the Owner only to the extent provided in the Contract Documents.

§ 9.2 The Architect will visit the site at intervals appropriate to the stage of construction to become generally familiar with the progress and quality of the Work.

§ 9.3 The Architect will not have control over or charge of, and will not be responsible for, construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the Work, since these are solely the Contractor's responsibility. The Architect will not be responsible for the Contractor's failure to carry out the Work in accordance with the Contract Documents.

§ 9.4 Based on the Architect's observations and evaluations of the Contractor's Applications for Payment, the Architect will review and certify the amounts due the Contractor.

§ 9.5 The Architect has authority to reject Work that does not conform to the Contract Documents.

§ 9.6 The Architect will promptly review and approve or take appropriate action upon Contractor's submittals, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.

§ 9.7 On written request from either the Owner or Contractor, the Architect will promptly interpret and decide matters concerning performance under, and requirements of, the Contract Documents.

§ 9.8 Interpretations and decisions of the Architect will be consistent with the intent of, and reasonably inferable from the Contract Documents, and will be in writing or in the form of drawings. When making such interpretations and decisions, the Architect will endeavor to secure faithful performance by both Owner and Contractor, will not show partiality to either and will not be liable for results of interpretations or decisions rendered in good faith.

§ 9.9 The Architect's duties, responsibilities, and limits of authority as described in the Contract Documents shall not be changed without written consent of the Owner, Contractor, and Architect. Consent shall not be unreasonably withheld.

ARTICLE 10 CHANGES IN THE WORK

§ 10.1 The Owner, without invalidating the Contract, may order changes in the Work within the general scope of the Contract, consisting of additions, deletions or other revisions, and the Contract Sum and Contract Time shall be adjusted accordingly, in writing. If the Owner and Contractor cannot agree to a change in the Contract Sum, the Owner shall pay the Contractor its actual cost plus reasonable overhead and profit.

§ 10.2 The Architect may authorize or order minor changes in the Work that are consistent with the intent of the Contract Documents and do not involve an adjustment in the Contract Sum or an extension of the Contract Time. Such authorization or order shall be in writing and shall be binding on the Owner and Contractor. The Contractor shall proceed with such minor changes promptly.

§ 10.3 If concealed or unknown physical conditions are encountered at the site that differ materially from those indicated in the Contract Documents or from those conditions ordinarily found to exist, the Contract Sum and Contract Time shall be subject to equitable adjustment.

ARTICLE 11 TIME

§ 11.1 Time limits stated in the Contract Documents are of the essence of the Contract.

§ 11.2 If the Contractor is delayed at any time in progress of the Work by changes ordered in the Work, or by labor disputes, fire, unusual delay in deliveries, unavoidable casualties, or other causes beyond the Contractor's control, the Contract Time shall be subject to equitable adjustment.

§ 11.3 Costs caused by delays or by improperly timed activities or defective construction shall be borne by the responsible party.

ARTICLE 12 PAYMENTS AND COMPLETION

§ 12.1 Contract Sum

The Contract Sum stated in this Agreement, including authorized adjustments, is the total amount payable by the Owner to the Contractor for performance of the Work under the Contract Documents.

§ 12.2 Applications for Payment

§ 12.2.1 At least ten days before the date established for each progress payment, the Contractor shall submit to the Architect an itemized Application for Payment for Work completed in accordance with the values stated in this Agreement. The Application shall be supported by data substantiating the Contractor's right to payment as the Owner or Architect may reasonably require, such as evidence of payments made to, and waivers of liens from, subcontractors and suppliers. Payments shall be made on account of materials and equipment delivered and suitably stored at the site for subsequent incorporation in the Work. If approved in advance by the Owner, payment may similarly be made for materials and equipment stored, and protected from damage, off the site at a location agreed upon in writing.

§ 12.2.2 The Contractor warrants that title to all Work covered by an Application for Payment will pass to the Owner no later than the time of payment. The Contractor further warrants that upon submittal of an Application for Payment, all Work for which Certificates for Payment have been previously issued and payments received from the Owner shall, to the best of the Contractor's knowledge, information, and belief, be free and clear of liens, claims, security interests, or other encumbrances adverse to the Owner's interests.

§ 12.3 Certificates for Payment

The Architect will, within seven days after receipt of the Contractor's Application for Payment, either (1) issue to the Owner a Certificate for Payment in the full amount of the Application for Payment, with a copy to the

Contractor; (2) issue to the Owner a Certificate for Payment for such amount as the Architect determines is properly due, and notify the Contractor and Owner in writing of the Architect's reasons for withholding certification in part; or (3) withhold certification of the entire Application for Payment, and notify the Contractor and Owner of the Architect's reason for withholding certification in whole. If certification or notification is not made within such seven day period, the Contractor may, upon seven additional days' written notice to the Owner and Architect, stop the Work until payment of the amount owing has been received. The Contract Time and the Contract Sum shall be equitably adjusted due to the delay.

§ 12.4 Progress Payments

§ 12.4.1 After the Architect has issued a Certificate for Payment, the Owner shall make payment in the manner provided in the Contract Documents.

§ 12.4.2 The Contractor shall promptly pay each subcontractor and supplier, upon receipt of payment from the Owner, an amount determined in accordance with the terms of the applicable subcontracts and purchase orders.

§ 12.4.3 Neither the Owner nor the Architect shall have responsibility for payments to a subcontractor or supplier.

§ 12.4.4 A Certificate for Payment, a progress payment, or partial or entire use or occupancy of the Project by the Owner shall not constitute acceptance of Work not in accordance with the requirements of the Contract Documents.

§ 12.5 Substantial Completion

§ 12.5.1 Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so the Owner can occupy or utilize the Work for its intended use.

§ 12.5.2 When the Contractor believes that the Work or designated portion thereof is substantially complete, it will notify the Architect and the Architect will make an inspection to determine whether the Work is substantially complete. When the Architect determines that the Work is substantially complete, the Architect shall prepare a Certificate of Substantial Completion that shall establish the date of Substantial Completion, establish the responsibilities of the Owner and Contractor, and fix the time within which the Contractor shall finish all items on the list accompanying the Certificate. Warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work or designated portion thereof unless otherwise provided in the Certificate of Substantial Completion.

§ 12.6 Final Completion and Final Payment

§ 12.6.1 Upon receipt of a final Application for Payment, the Architect will inspect the Work. When the Architect finds the Work acceptable and the Contract fully performed, the Architect will promptly issue a final Certificate for Payment.

§ 12.6.2 Final payment shall not become due until the Contractor submits to the Architect releases and waivers of liens, and data establishing payment or satisfaction of obligations, such as receipts, claims, security interests, or encumbrances arising out of the Contract.

§ 12.6.3 Acceptance of final payment by the Contractor, a subcontractor or supplier shall constitute a waiver of claims by that payee except those previously made in writing and identified by that payee as unsettled at the time of final Application for Payment.

ARTICLE 13 PROTECTION OF PERSONS AND PROPERTY

The Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs, including all those required by law in connection with performance of the Contract. The Contractor shall take reasonable precautions to prevent damage, injury, or loss to employees on the Work and other persons who may be affected thereby, the Work and materials and equipment to be incorporated therein, and other property at the site or adjacent thereto. The Contractor shall promptly remedy damage and loss to property caused in whole or in part by the Contractor, or by anyone for whose acts the Contractor may be liable.

ARTICLE 14 CORRECTION OF WORK

§ 14.1 The Contractor shall promptly correct Work rejected by the Architect as failing to conform to the requirements of the Contract Documents. The Contractor shall bear the cost of correcting such rejected Work, including the costs of uncovering, replacement, and additional testing.

§ 14.2 In addition to the Contractor's other obligations including warranties under the Contract, the Contractor shall, for a period of one year after Substantial Completion, correct work not conforming to the requirements of the Contract Documents.

§ 14.3 If the Contractor fails to correct nonconforming Work within a reasonable time, the Owner may correct it in accordance with Section 7.3.

ARTICLE 15 MISCELLANEOUS PROVISIONS

§ 15.1 Assignment of Contract

Neither party to the Contract shall assign the Contract as a whole without written consent of the other.

§ 15.2 Tests and Inspections

§ 15.2.1 At the appropriate times, the Contractor shall arrange and bear cost of tests, inspections, and approvals of portions of the Work required by the Contract Documents or by laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities.

§ 15.2.2 If the Architect requires additional testing, the Contractor shall perform those tests.

§ 15.2.3 The Owner shall bear cost of tests, inspections, or approvals that do not become requirements until after the Contract is executed. The Owner shall directly arrange and pay for tests, inspections, or approvals where building codes or applicable laws or regulations so require.

§ 15.3 Governing Law

The Contract shall be governed by the law of the place where the Project is located, excluding that jurisdiction's choice of law rules.

ARTICLE 16 TERMINATION OF THE CONTRACT

§ 16.1 Termination by the Contractor

If the Work is stopped under Section 12.3 for a period of 14 days through no fault of the Contractor, the Contractor may, upon seven additional days' written notice to the Owner and Architect, terminate the Contract and recover from the Owner payment for Work executed including reasonable overhead and profit, and costs incurred by reason of such termination.

§ 16.2 Termination by the Owner for Cause

§ 16.2.1 The Owner may terminate the Contract if the Contractor

- .1 repeatedly refuses or fails to supply enough properly skilled workers or proper materials;
- .2 fails to make payment to subcontractors for materials or labor in accordance with the respective agreements between the Contractor and the subcontractors;
- .3 repeatedly disregards applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of a public authority; or
- .4 is otherwise guilty of substantial breach of a provision of the Contract Documents.

§ 16.2.2 When any of the above reasons exist, the Owner, after consultation with the Architect, may without prejudice to any other rights or remedies of the Owner and after giving the Contractor and the Contractor's surety, if any, seven days' written notice, terminate employment of the Contractor and may

- .1 take possession of the site and of all materials thereon owned by the Contractor, and
- .2 finish the Work by whatever reasonable method the Owner may deem expedient.

§ 16.2.3 When the Owner terminates the Contract for one of the reasons stated in Section 16.2.1, the Contractor shall not be entitled to receive further payment until the Work is finished.

§ 16.2.4 If the unpaid balance of the Contract Sum exceeds costs of finishing the Work, such excess shall be paid to the Contractor. If such costs exceed the unpaid balance, the Contractor shall pay the difference to the Owner. This obligation for payment shall survive termination of the Contract.

§ 16.3 Termination by the Owner for Convenience

The Owner may, at any time, terminate the Contract for the Owner’s convenience and without cause. The Contractor shall be entitled to receive payment for Work executed, and costs incurred by reason of such termination, along with reasonable overhead and profit on the Work not executed.

ARTICLE 17 OTHER TERMS AND CONDITIONS

(Insert any other terms or conditions below.)

<< >>

This Agreement entered into as of the day and year first written above.
(If required by law, insert cancellation period, disclosures or other warning statements above the signatures.)

<< >>

OWNER (Signature)

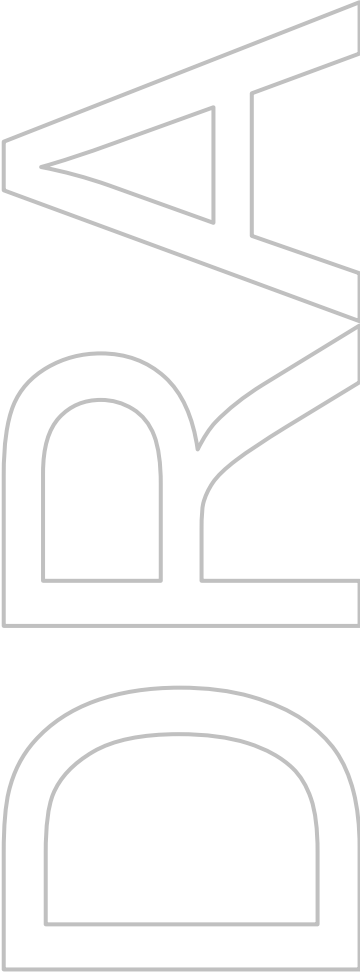
<< >><< >>

(Printed name and title)

CONTRACTOR (Signature)

<< >><< >>

(Printed name and title)
LICENSE NO.:
JURISDICTION:



ADDENDUM

(1) *Minimum wages.* (i) All laborers and mechanics employed or working upon the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in §5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided*, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(ii)(A) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and

so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(C) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii) (B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided*, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

(2) *Withholding.* The (write in name of Federal Agency or the loan or grant recipient) shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the contract, the (Agency) may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

(3) *Payrolls and basic records.* (i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably

anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii)(A) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the (write in name of appropriate federal agency) if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant, sponsor, or owner, as the case may be, for transmission to the (write in name of agency). The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the (write in name of appropriate federal agency) if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit them to the applicant, sponsor, or owner, as the case may be, for transmission to the (write in name of agency), the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sponsoring government agency (or the applicant, sponsor, or owner).

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

(iii) The contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the (write the name of the agency) or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) *Apprentices and trainees*—(i) *Apprentices*. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) *Trainees*. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid

fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) *Equal employment opportunity.* The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

(5) *Compliance with Copeland Act requirements.* The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

(6) *Subcontracts.* The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the (write in the name of the Federal agency) may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

(7) *Contract termination: debarment.* A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

(8) *Compliance with Davis-Bacon and Related Act requirements.* All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

(9) *Disputes concerning labor standards.* Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

(10) *Certification of eligibility.* (i) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

(b) *Contract Work Hours and Safety Standards Act.* The Agency Head shall cause or require the contracting officer to insert the following clauses set forth in paragraphs (b)(1), (2), (3), and (4) of this section in full in any contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by §5.5(a) or §4.6 of part 4 of this title. As used in this paragraph, the terms *laborers* and *mechanics* include watchmen and guards.

(1) *Overtime requirements.* No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) *Violation; liability for unpaid wages; liquidated damages.* In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of \$27 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.

(3) *Withholding for unpaid wages and liquidated damages.* The (write in the name of the Federal agency or the loan or grant recipient) shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.

(4) *Subcontracts.* The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

(c) In addition to the clauses contained in paragraph (b), in any contract subject only to the Contract Work Hours and Safety Standards Act and not to any of the other statutes cited in §5.1, the Agency Head shall cause or require the contracting officer to insert a clause requiring that the contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions

made, and actual wages paid. Further, the Agency Head shall cause or require the contracting officer to insert in any such contract a clause providing that the records to be maintained under this paragraph shall be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the (write the name of agency) and the Department of Labor, and the contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

Cover Sheet

Approval of MSA-2 Work Order by LAUSD to Make Changes to the Fence and Install a New Gate

Section: III. Action Items
Item: D. Approval of MSA-2 Work Order by LAUSD to Make Changes to the Fence and Install a New Gate
Purpose: Vote
Submitted by:
Related Material: III D MSA-2 Fence and Gate Replacement (1).pdf



Ad Hoc Committee Agenda Item #:	Item III D- Action Item
Date:	June 3, 2019
To:	Magnolia Educational & Research Foundation dba Magnolia Public Schools (" MPS ") Ad Hoc Committee (the " Committee ")
From:	Alfredo Rubalcava, CEO & Superintendent
Staff Lead:	Patrick Ontiveros, General Counsel & Director of Facilities
RE:	MSA-2 – Fence and Gate Replacement Capital Improvement Project

I. Proposed Recommendation(s)

Staff recommends that the Ad Hoc Committee approve a capital improvement project at Magnolia Science Academy 2 ("**MSA-2**") consisting of the installation of a new gate at the entrance of the campus and the removal and repositioning of a fence along MSA-2's southerly boarder (the "**Project**") all to be done at a cost of FORTY THREE THOUSAND EIGHT HUNDRED NINETEEN DOLLARS (**\$43,819**) by Los Angeles Unified School District ("**LAUSD**"), the owner of the property at which MSA-2 is co-located. Staff further recommends that the Ad Hoc Committee approve a contingency of FIVE THOUSAND DOLLARS (**\$5,000**) for the Project in the event there are unforeseen conditions that increase the cost.

II. Background

MSA-2 with an address of 17125 Victory Blvd, Van Nuys is co-located on the Birmingham Community Charter High School campus owned by LAUSD. For safety reasons, MSA-2 desires to make two (2) capital improvements to its campus. First, MSA-2 desires to replace the existing gate manual gate with one with a telecom system so that visitors will not be able to access the campus until they are approved and "buzzed" in. MSA-2 presently pays someone to physically man the gate. If it has a gate with a camera on it, it will save on labor costs. The telecom system will have a camera to allow the front desk to see who is at the gate. Second, MSA-2 desires to follow the recommendations of a recent traffic study and remove and replace the chain link fence along its southerly border. The existing chain link fence extends onto the immediately adjacent sidewalk making it impossible for anyone endeavoring to use that sidewalk as a path of travel. Consequently anyone wishing to walk along the southerly side of the campus, perhaps from the gate at the southwest corner of the campus is forced to walk along a street. See diagram attached as Exhibit A.



LAUSD's quote to provide the work to remove and replace the existing gate is **\$31,002.14**. See Exhibit B. Its quote to remove and re-position the fence along the southerly border is **\$12,816.80**. See Exhibit C. The total for both quotes is **\$43,819**. MPS Staff believes it would be prudent to set aside a contingency of \$5,000 for unforeseen expenses. MPS Staff will confirm that the numbers quoted by LAUSD are still good and that they do not foresee any other expenses. In such event, the project will be brought back to the Committee for further review and approval.

III. Budget Impacts

MSA-2 proposes to pay for the Project with money from its long term reserves. Such proposed use, including the contingency, will reduce its 2018-19 Second Interim projected long term reserves from \$793,675 to \$744 856.

Exhibits (attachments):

- A. Site Diagrams
- B. LAUSD Work Order for Gate
- C. LAUSD Work Order for Fence



Exhibit A

Southerly Sidewalk



Gate Location

Fence Location



Exhibit B

LAUSD Work Order for Gate

(See Following Page)

Agdigos, Lawrence

From: Thorpe, Maria
Sent: Thursday, November 01, 2018 9:16 AM
To: Steven Keskindurk
Cc: Patrick Ontiveros; David Garner; Agdigos, Lawrence
Subject: MAGNOLIA SCI ACAD #2 - P&I AIPHONE ESTIMATE
Attachments: S_AI MAGNOLIA SCI ACAD WO28609625 PCE.pdf; S_AI MAGNOLIA SCI ACAD WO28609625 REVIEW.pdf

Good Morning Steve,

Attached is the estimate to provide a secure entry at the main gate of Magnolia Science Academy 2 @ the Lake Balboa Complex. Please review. If you would like to proceed, please sign on the requester line on the attached estimate. Lance will then send you an official invoice for payment. When the work is complete, we will include the actuals in your quarterly billing statement, and you will be credited for any remaining balance.

Thanks,

Maria

Maria Thorpe

Complex Project Manager

Los Angeles Unified School District
Facilities Services Division – Maintenance & Operations
333 South Beaudry Avenue, 22nd Floor
Los Angeles, California 90017
Office: (213) 241-0354
Mobile: (213) 503-5437
Personal: (626) 676-0273



Los Angeles Unified School District

Existing Facilities
Maintenance & Operations



Project Cost Estimate

W.O.# 28609625

School Name: MAGNOLIA SCI ACAD
#2

Complex Name:

Cost Center: 0001846101

Requester Name: Title:

Date of Request: 8/10/18

Date of Estimate: 10/31/18

Phone:

FAX:

Description of Work

Description of the Work (includes items to be provided by school, cost saving alternatives, and impact on school operations):
null.

Original Cost: _____
Additional Funds Needed: _____
Total Cost: \$31,002.14

- Estimate includes liability, workman's compensation and motor vehicle insurance.
- All labor is fully warrantied
- Material is factory warrantied
- Final cost may increase due to unforeseen conditions or changes in the scope of work.
- Project will not be scheduled until an estimate form is signed by the site administrator
- All changes to the project which affect the cost will be reviewed on a separate form by the site administrator. The site administrator's approval must be obtained prior to the start of work.
- Estimate includes fringe benefits for employees performing the work. All project costs will be charged to the funding line(s) provided by the site administrator.
- Costs, including fringe benefits, may appear several months after project has been completed. This is due to the accounting system currently in place.

School Designated Funding Source

<p>Cost Center</p> <table border="1" style="width: 100%; height: 20px; border-collapse: collapse;"> <tr> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> </tr> </table> <p style="text-align: center; font-size: small;">10 digits</p>											or	<p>WBS (SAP Project)</p> <table border="1" style="width: 100%; height: 20px; border-collapse: collapse;"> <tr> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> </tr> </table> <p style="text-align: center; font-size: small;">10 or 14 digits</p>															and	<p>Program (reqd)</p> <table border="1" style="width: 100%; height: 20px; border-collapse: collapse;"> <tr> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> </tr> </table> <p style="text-align: center; font-size: small;">Last 5 digits of Functional Area</p>				

Preparer Signature

Date

Requester Signature

Date

Estimate valid for 30 days from date of preparer's signature.



Los Angeles Unified School District

Existing Facilities
Maintenance & Operations



Planner Data Entry

WO# 28609625

Parent WO#

School Name MAGNOLIA SCI ACAD #2	Requested By	Phone	Reported 8/10/18	Year (*) 19	G/L Account	Cost Center (loc) 0001846101
Loc/Asset S-13667	Bldg Ins ID	Lead Craft EA	Status WREVIEW	Scheduled Dates Start 2/16/19 Finish 5/16/19		

Location Description: BIRMINGHAM SH

Work Requested - Description:

P&I CAMERA & PHONE SYSTEM FOR ENTRY GATE. EA- INSTALL CONDUIT AND WIRING FOR NEW AIPHONE SYSTEM WITH CAMERA AT EXISTING ENTRY GATE.
HG- MODIFY EXISTING GATE FOR NEW HANDLE AND LOCK

Planned or Written By Lawrence Thomas M. <i>[Signature]</i>	Date Planned 10/5/18	Approved By <i>[Signature]</i>	Date 10/31/18
Supervisor's Signature <i>[Signature]</i>	Date 10/5/18	Approved By Others	Date

Buyer Line

Cost Center	WBS	IO	Program	Functional Area	Fund
-------------	-----	----	---------	-----------------	------

PLANNER USE ONLY - Estimated Labor

Ln	Labor	Craft	Reg Rate	OT Rate	Reg Hrs	OT Hrs	Labor Est
1	OT	EA: Electrician	0.00	59.33	0.00	50.00	2,966.50
2	REG	EA: Electrician	53.69	0.00	50.00	0.00	2,684.50
3	OT	BA: Plaster & Cement Finisher	0.00	53.62	0.00	24.00	1,286.88
4	REG	ZM: Locksmith	48.90	0.00	24.00	0.00	1,173.60
5	REG	HG: Sheet Metal Worker	57.11	0.00	40.00	0.00	2,284.40
6	OT	HC: Compressor & Pneumatic Tool Operator	0.00	48.47	0.00	16.00	775.52
7	REG	FA: Maintenance	40.42	0.00	40.00	0.00	1,616.80

Estimated Material

Ln	Type	Craft	Material	Contract	Other	Mileage	Imprest
1	MA	BA Plaster & Cement Finisher	\$500.00				
2	MA	EA Electrician	\$5,500.00				
3	MA	HG Sheet Metal Worker	\$2,000.00				
4	MA	ZM Locksmith	\$1,000.00				
5	MI	BA Plaster & Cement Finisher				\$5.60	
6	MI	EA Electrician				\$33.60	
7	MI	FA Maintenance				\$11.20	
8	MI	HG Sheet Metal Worker				\$16.80	
9	MI	ZM Locksmith				\$33.60	

HOURS:	244.00	CONTRACT:		Indirect Labor Charge:	\$4,009.00
LABOR:	\$12,788.20	MILEAGE:	\$100.80	Non-Prod Labor Charge:	\$4,114.14
MATERIALS:	\$9,000.00	IMPREST:		Indirect Material Charge:	\$990.00
OTHER:		SUB TOTAL:	\$21,889.00	(***) TOTAL:	\$31,002.14

* Fiscal Year when W.O. was changed to FUNDED or later status, else if not yet funded, current fiscal year. Post-funded W.O. statuses assumed to include FUNDED, INPRG, FCOMP, COMP, WINSP, PCOMP, REWORK, SCH, or CLOSE.

*** Total = Sub Total + Indirect Labor (Reg and OT) + Non-Productive Labor (Reg and OT) + Indirect Material



Exhibit C

LAUSD Work Order for Fence

(see following pages)



Los Angeles Unified School District

Existing Facilities
Maintenance & Operations



Project Cost Estimate

W.O.# 29049368

School Name: MAGNOLIA SCI ACAD
#2

Complex Name:

Cost Center: 0001846101

Requester Name: Title:

Date of Request: 1/11/19

Date of Estimate: 3/12/19

Phone:

FAX:

Description of Work

Description of the Work (includes items to be provided by school, cost saving alternatives, and impact on school operations):
null.

Original Cost: _____

Additional Funds Needed: _____

Total Cost: \$12,816.80

- Estimate includes liability, workman's compensation and motor vehicle insurance.
- All labor is fully warrantied
- Material is factory warrantied
- Final cost may increase due to unforeseen conditions or changes in the scope of work.
- Project will not be scheduled until an estimate form is signed by the site administrator
- All changes to the project which affect the cost will be reviewed on a separate form by the site administrator. The site administrator's approval must be obtained prior to the start of work.
- Estimate includes fringe benefits for employees performing the work. All project costs will be charged to the funding line(s) provided by the site administrator.
- Costs, including fringe benefits, may appear several months after project has been completed. This is due to the accounting system currently in place.

School Designated Funding Source

Cost Center

or

WBS (SAP Project)

and

Program (reqd)

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10 digits

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10 or 14 digits

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Last 5 digits of Functional Area

Preparer Signature

Date

Requester Signature

Date

Estimate valid for 30 days from date of preparer's signature.



Los Angeles Unified School District

Existing Facilities
Maintenance & Operations



Planner Data Entry

WO# 29049368

Parent WO#

School Name MAGNOLIA SCI ACAD #2	Requested By Steve Keskinturk	Phone	Reported 1/11/19	Year (*) 19	G/L Account	Cost Center (loc) 0001846101
Loc/Asset S-13667	Bldg Ins ID	Lead Craft HW	Status WREVIEW	Scheduled Dates Start 7/14/19 Finish 10/14/19		

Location Description: BIRMINGHAM SH

Work Requested - Description:
REMOVE & REPLACE 110' OF 8' FENCE.

- HC - Saw cut and breakout for new fence posts
- FA - Assist HC auger holes for new fence posts
- HW - Set new fence post and hang new chain link fabric
- HC - Break out around old fence post cut below surface.
- FA - Patch holes from old fence posts.
- FA - Assist welder as needed.

Planned or Written By Pinter, Robert James	Date Planned 3/6/19	Approved By <i>W. P. U.</i>	Date 3/12/19
Supervisor's Signature <i>[Signature]</i>	Date 3/6/19	Approved By Others <i>[Signature]</i>	Date 3/12/19

Buyer Line							
Cost Center	WBS	IO	Program	Functional Area	Fund		
PLANNER USE ONLY - Estimated Labor							
Ln	Labor	Craft	Reg Rate	OT Rate	Reg Hrs	OT Hrs	Labor Est
1	REG	HC: Compressor & Pneumatic Tool Operator	45.69	0.00	32.00	0.00	1,462.08
2	REG	HW: WELDER	54.64	0.00	16.00	0.00	874.24
3	REG	FA: Maintenance	40.42	0.00	80.00	0.00	3,233.60
Estimated Material							
Ln	Type	Craft	Material	Contract	Other	Mileage	Imprest
1	MA	HW WELDER	\$3,342.99				

HOURS:	128.00	CONTRACT:		Indirect Labor Charge:	\$1,754.72
LABOR:	\$5,569.92	MILEAGE:		Non-Prod Labor Charge:	\$1,781.44
MATERIALS:	\$3,342.99	IMPREST:		Indirect Material Charge:	\$367.73
OTHER:		SUB TOTAL:	\$8,912.91	(***) TOTAL:	\$12,816.80

* Fiscal Year when W.O. was changed to FUNDED or later status, else if not yet funded, current fiscal year. Post-funded W.O. statuses assumed to include FUNDED, INPRG, FCOMP, COMP, WINSP, PCOMP, REWORK, SCH, or CLOSE.

*** Total = Sub Total + Indirect Labor (Reg and OT) + Non-Productive Labor (Reg and OT) + Indirect Material

Cover Sheet

Approval of Prop 39 LED Lighting Contract for MSA 2

Section: III. Action Items
Item: E. Approval of Prop 39 LED Lighting Contract for MSA 2
Purpose: Vote
Submitted by:
Related Material: III E MSA-2 Lighting Project.pdf



Ad Hoc Committee Agenda Item #:	III E – Action Item
Date:	June 3, 2019
To:	Magnolia Educational & Research Foundation dba Magnolia Public Schools (“ MPS ”) Ad Hoc Committee (the “ Committee ”)
From:	Alfredo Rubalcava, CEO & Superintendent
Staff Lead:	Patrick Ontiveros, General Counsel & Director of Facilities
RE:	MSA-2 – Prop 39 Energy Efficiency Grant Lighting Upgrade

I. Proposed Recommendation(s)

Staff recommends that the Ad Hoc Committee approve the lighting upgrade project (the “**Project**”) at Magnolia Science Academy 2 (“**MSA-2**”) at a cost of Twenty Thousand Four Hundred Seventy Two Dollars (**\$20,472**) to be paid for with the school’s Prop 39 award from the State of California Energy Commission and that ReGreen, Inc. be awarded the contract for said scope of work.

II. Background

MPS applied for and received grants for its schools under the California Clean Energy Jobs Act (“**Prop 39**”), a state program providing funding to local educational agencies for improving energy efficiency and creating clean energy jobs. Under Prop 39, all MPS schools except for MSA-Santa Ana received funding. According to Prop 39 rules and regulations, Prop 39 projects must be under contract (aka encumbered) by June 30, 2019. Otherwise, such Prop 39 funds which have already been received must be returned to the State of California. MPS signed an agreement with First Note Finance, inc. (“**FNF**”) to manage MPS’s Prop 39 projects. FNF performs site walks, issues RFPs and together with MPS Staff selects a contractor for each scope of work.

MSA-2’s total Prop 39 award is **\$228,414.50**. Of such amount, approximately **\$210,368.40** is encumbered to replace HVAC units at the campus and approximately **\$4,500** is encumbered to implement plugload management measures. The cost for the LED lighting replacement scope of work would cause a deficit of approximately **\$13,547**. MPS Staff will work with FNF to reduce the scope of work on the HVAC unit replacement in order to make the overall MSA-2 Prop 39 projects collectively cost neutral.



III. Procurement Process

An RFP was issued by FNF to multiple vendors. A comparison of the various bids received is attached as Exhibit A.

A draft copy of the proposed contract with ReGreen Inc. is attached as Exhibit B. Staff will negotiate the final form of the contract to conform to the requirements of the CSFIG program and to insure that all pertinent attachments, such as prevailing wage sheets and a certificate of insurance, are included.

IV. Project Description

The scope of work, as stated in the draft contract, is described as follows:

CONTRACTOR shall perform a comprehensive, turnkey, LED Lighting Retrofit for all lighting fixtures, both Interior and Exterior, including all equipment and materials, installation labor, 19 occupancy sensors, permitting, securing LADWP rebates, customer acceptance, and warranty. CONTRACTOR shall perform its own site survey and provide Owner with a scope and price proposal prior to executing this contract. The site survey shall be of sufficient detail to capture in advance any potential change orders, including but not limited to emergency lighting, battery backups, product compatibility with compact fluorescent ballasts, occupancy sensor integration, and/or product voltage compatibility.

V. Budget Impacts

The Project will be funded out of budgeted Prop 39 grant.

Exhibits (attachments):

- A. Bid Comparison
- B. Draft Contract



Exhibit A

Bid Comparison

(See Following Page)

MSA2 Lighting Bids and Budget

MSA2 Prop. 39 EEP Budget		MSA2 EEP Budget
Lighting	Interior	\$31,725.00
Lighting	Exterior	\$5,629.50
Lighting Controls	24 Occupancy Sensors	3,360.00
Total		\$40,714.50

Company	#	Price	Budget Over/Under	Details	Sensors?	# of Sensors	Warranty	Prevailing Wage	Notes/Exclusions
ReGreen	1	\$20,472.26	\$20,242.24	Line Voltage Lamp Retrofit	Yes	39	All lamps, drivers, and controls have 5 year warranty and labor has 1 year warranty	Yes	
	2	\$42,358.96	(\$1,644.46)	Replacement Fixtures	Yes	39			
FESS	1	\$33,607.00	\$7,107.50	Line Voltage Lamp Retrofit	No	0	FESS will provide a quality of workmanship warranty for a period of one year from the date of substantial completion or final invoice whichever is earlier.	Yes	
	2	\$84,135.18	(\$43,420.68)	Replacement Fixtures	No	0			
Emcor	1	\$18,551.00	\$22,163.50	Line Voltage Lamp Retrofit	Yes	0	One (1) year Labor and Materials from Date of Beneficial Use	Yes	Hours: Monday-Friday 7am-5pm
Energy Retrofit	1	\$21,596.11	\$19,118.39	Line Voltage Lamp Retrofit	Yes	20	All LEDs, ballasts, sensors have 2-10 year warranty depending on type and Full Service – One year (12 Months) following completion of installation.	Yes	
Highlands	1	\$54,579.62	(\$13,865.12)	Line Voltage Lamp Retrofit	Yes	0	One (1) year Labor and Materials	Yes	
	2	\$106,111.32	(\$65,396.82)	Replacement Fixtures	Yes	0			



Exhibit B

Draft Contract

(see following pages)

AGREEMENT BETWEEN OWNER AND CONTRACTOR

A G R E E M E N T made as of the 17th day of May, 2019.

B E T W E E N the Owner: Magnolia Educational & Research Foundation dba
Magnolia Public Schools
17125 Victory Boulevard
Van Nuys, CA 91406

and the Contractor: Regreen Inc.
120 Standard Street
El Segundo, CA 90245
Tel: (310) 920-0747

the Project is: Magnolia Science Academy 2
17125 Victory Boulevard
Van Nuys, CA 91406

The Owner and Contractor agree as follows.

ARTICLE 1 THE WORK OF THIS CONTRACT

This Agreement entered into as of the day and year first written above.

The Contractor shall fully execute the Work described in the Contract Documents, described as follows:

The Work is generally described as the construction work necessary to perform a comprehensive, turnkey, LED Lighting Retrofit for all lighting fixtures, both Interior and Exterior fixtures, including all equipment and materials, installation labor, 19 occupancy sensors necessary for permit or regulatory compliance, permitting, securing Los Angeles Department of Water and Power (LADWP) rebates, customer acceptance, and warranty.

A more detailed Scope of Work is provided by attaching a TASK ORDER (Exhibits “A”, “B”, and “C”) to this Contract, and the terms and conditions of the Task Order will take precedence.

ARTICLE 2 RELATIONSHIP OF THE PARTIES

The Contractor accepts the relationship of trust and confidence established by this Agreement and covenants with the Owner to cooperate with the Owner and exercise the Contractor’s skill and judgment in furthering the interests of the Owner; to furnish efficient business administration and supervision; to furnish at all times an adequate supply of workers and materials; and to perform the Work in an expeditious and economical manner consistent with the Owner’s interests. The Owner agrees to furnish and approve, in a timely manner, the information required by the Contractor to perform the Work and to make payments to the Contractor in accordance with the requirements of the Contract Documents.

ARTICLE 3 DATE OF COMMENCEMENT AND SUBSTANTIAL COMPLETION

3.1 The date of commencement of the Work shall be per a Notice to Proceed to be issued by the Owner.

3.2 The Contractor shall have a reasonable period of time to complete this Project, consistent with the timing of the information provided by the Owner concerning the scope of work to be performed.

ARTICLE 4 BASIS FOR PAYMENT

4.1 CONTRACT SUM

4.1.1 The Owner shall pay the Contractor the Cost of the Work for the scope of work as defined in the Scope and Work Schedule attached hereto as TASK ORDER Exhibit “A” and the Fixed Turnkey Price attached hereto under as TASK ORDER Exhibit “B” Price and Payment Terms.

ARTICLE 5

5.1 PROGRESS PAYMENTS

Contract for LED Lighting Retrofit Project – MSA 2 and Regreen**05/17/19**

5.1.1 The Contractor shall, once every month, deliver to the Owner an application for payment (“Application for Payment”) setting forth the amount which the Contractor believes it is entitled to be paid for the current period. Such Application for Payment shall be supported by such data substantiating the Contractor’s right to payment as the Owner may reasonably require including, without limitation, copies of invoices from Subcontractors and material suppliers, receipts and vouchers, a Prevailing Wage Report using the standard California Department of Industrial Relations form, attached hereto as TASK ORDER Exhibit “C”, and a conditional release of lien upon progress payment and a Conditional Release upon Progress Payment. Upon payment, Contractor shall supply Owner with an Unconditional Release of Lien upon Progress Payment.

5.1.2 The Owner will review each Application for Payment, and will pay the amount due within thirty (30) days after Owner’s receipt of the Application for Payment.

5.1.3 The Contractor shall promptly pay each Subcontractor upon receipt of payment out of the amount paid to the Contractor on account of each Subcontractor’s Work, the amount to which said Subcontractor is entitled, reflecting the percentage actually retained, if any, from payments to the Contractor on account of such Subcontractor’s Work.

5.1.4 The Contractor agrees to keep the Work on the site(s) on which Work is to be performed or materials to be furnished pursuant to the Contract Documents free and clear of all mechanic’s liens and claims of liens, provided that the Owner has paid the Contractor the amount due for the labor, services and materials which are the subject of the lien.

5.2 FINAL PAYMENT

5.2.1 Upon receipt of written notice from the Contractor that the Work is complete and ready for final inspection, all corrections made, all reports and there is no other unfinished Work, and upon receipt of a final Application for Payment, including all completed and signed Prevailing Wage Reports using the standard California Department of Industrial Relations form, attached hereto as TASK ORDER Exhibit “C”, the Owner will promptly make such inspection and, when it finds the Work acceptable and the Contract fully performed, the Owner will promptly approve final payment.

5.2.2 Final payment, constituting the unpaid balance of the Contract Sum, if any, (subject to any retention with respect to minor work or defective work) shall be due and payable fifteen (15) days following the receipt of a final Application for Payment provided that as a condition to such payment the Owner has approved the Work, and Contractor has provided an Unconditional Release of Lien upon final payment for itself and all subcontractors or supplier.

5.2.3 If there should remain minor items to be completed, the Contractor and the Owner shall list such items and the Contractor shall deliver, in writing, its unconditional promise to complete said items within a reasonable time following substantial completion of the work. The Owner may retain an amount equal to one and one-half (1-1/2) times the cost to complete the minor work (“punch-list work”), as reasonably determined by Owner, until such time as the punch-list work is completed.

ARTICLE 6 THE CONTRACT DOCUMENTS

6.1 The Contract Documents consist of this Agreement Between Owner and Contractor, the bid set of Construction Documents, and the Contractor’s proposal attached as Exhibit “A”. The Contract Documents form the Contract for Construction. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations or agreements, either written or oral. The Contract may be amended or modified only by a Change Order. The Contract Documents shall not be construed to create a contractual relationship between the Owner and a Subcontractor or sub-subcontractor between any persons or entities other than the Owner and Contractor.

6.2 The term “Work” means the construction and services required by the Contract Documents, whether completed or partially completed, and includes all other labor, materials, equipment and services provided or to be provided by the Contractor to fulfill the Contractor’s obligations. The Work may constitute the whole or a part of the Project.

ARTICLE 7 OWNER**7.1 INFORMATION AND SERVICES REQUIRED OF THE OWNER**

7.1.1 The Contractor shall be entitled to rely on the accuracy of information furnished by the Owner but shall exercise proper precautions relating to the safe performance of the Work.

7.1.2 The Owner shall pay for the building permit, other permits, governmental fees and charges required for the construction, use or occupancy of permanent structures or permanent changes in existing facilities.

7.2 OWNER’S RIGHT TO STOP THE WORK

If the Contractor fails to correct Work which is not in accordance with the requirements of the Contract Documents, or persistently fails to carry out the Work in accordance with the Contract Documents, the Owner may issue a written order to the Contractor to stop the Work, or any portion thereof, until the cause for such order is eliminated; however, the right of the Owner to stop the Work shall not give rise to a duty on the part of the Owner to exercise this right for the benefit of the Contractor or any other person or entity.

7.3 OWNER’S RIGHT TO CARRY OUT THE WORK

If the Contractor defaults or persistently fails or neglects to carry out the Work in accordance with the Contract Documents, or fails to perform a provision of the Contract, the Owner, after ten (10) days written notice to the Contractor and without prejudice to any other remedy the Owner may have, may make good such deficiencies and may deduct the reasonable cost thereof, from the payment then or thereafter due the Contractor.

ARTICLE 8 CONTRACTOR

8.1 The Contractor shall supervise and direct the Work, using the Contractor’s best skill and attention. The Contractor shall be solely responsible for and have control over construction

Contract for LED Lighting Retrofit Project – MSA 2 and Regreen**05/17/19**

means, methods, techniques, sequences and procedures, and for coordinating all portions of the Work under the Contract, unless the Contract Documents give other specific instructions concerning these matters.

8.2 The Contractor shall be responsible to the Owner for acts and omissions of the Contractor's employees, Subcontractors and their agents and employees, and other persons or entities performing portions of the Work for or on behalf of the Contractor or any of its Subcontractors.

8.3 The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Contract. The Contractor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them.

8.4 WARRANTY

8.4.1 The Contractor warrants to the Owner that materials and equipment furnished under the Contract will be of good quality and new unless otherwise required or permitted by the Contract Documents, that the Work will be free from defects not inherent in the quality required or permitted, and that the Work will conform with the requirements of the Contract Documents. The Contractor's warranty excludes remedy for damage or defect caused by abuse, modifications not executed by the Contractor, improper or insufficient maintenance, improper operation or normal wear and tear and normal usage.

8.4.2 Pursuant to the terms of this warranty, the Contractor shall promptly correct Work rejected by the Owner for failing to conform to the requirements of the Contract Documents if discovered within one year after the date of Substantial Completion of the Work, provided that the Owner gives the Contractor prompt written notice of the discovery of the condition. The Contractor shall correct it promptly after receipt of written notice from the Owner to do so.

8.5 CLEANING UP

The Contractor shall keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by operations under the Contract. At completion of the Work, the Contractor shall remove from and about the Project waste materials, rubbish, the Contractor's tools, construction equipment, machinery and surplus material.

ARTICLE 9 CHANGES IN THE WORK

9.1 The Owner, without invalidating the Contract, may order changes in the Work within the general scope of the Contract consisting of additions, deletions or other revisions, the Contract Sum and Contract Time being adjusted accordingly. Such changes in the Work shall be authorized by written Change Order signed by the Owner and Contractor or by a written Construction Change Directive signed by the Owner.

ARTICLE 10 PROTECTION OF PERSONS AND PROPERTY**10.1 SAFETY PRECAUTIONS AND PROGRAMS**

Contract for LED Lighting Retrofit Project – MSA 2 and Regreen**05/17/19**

The Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of the Contract. The Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury or loss to:

- (1) employees on the Work and other persons who may be affected thereby;
- (2) the Work and materials and equipment to be incorporated therein; and
- (3) other property at the site or adjacent thereto.

The Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons and property and their protection from damage, injury or loss. The Contractor shall promptly remedy damage and loss to property caused in whole or in part by the Contractor, a Subcontractor, a sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible, except for damage or loss attributable to acts or omissions of the Owner, and not attributable to the fault or negligence of the Contractor.

10.2 PROTECTION OF STUDENTS – WORK DURING SCHOOL HOURS**10.2.1 Fingerprinting and Criminal Records Check of Contractor’s Employees.**

Contractor shall comply with the provisions of Education Code §45125.1 regarding the submission of fingerprints to the California Department of Justice and the completion of criminal background investigations of the contractor and/or its employees.

Contractor shall not permit any employee to have any contact with Magnolia pupils until such time as Contractor has verified in writing to the Magnolia Project Lead that such employee has not been convicted of a felony, as defined in Education Code §45125.1.

ARTICLE 11 INSURANCE**11.1 CONTRACTOR’S LIABILITY INSURANCE**

11.1.1 The Contractor shall purchase and maintain such insurance as will protect him from claims set forth below which may arise out of or result from the Contractors operations under the Contract, whether such operations be by himself or by any Subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for shows acts any of them may be liable:

Workers Compensation and Employers Liability Insurance with limits of not less than required by law.

Commercial General Liability Insurance, (Insurance Services Office, Form CG 00 01 or equivalent), including

Contract for LED Lighting Retrofit Project – MSA 2 and Regreen**05/17/19**

- Personal Injury, including accidental death, with limits of not less than One Million Dollar (\$1,000,000) per occurrence and Two Million Dollars (\$2,000,000) in the aggregate;
- Property Damage, including Broad Form Property Damage Coverage, with limits of not less than One Million Dollars (\$1,000,00) per occurrence and Two Million Dollars (\$2,000,000) in the aggregate;
- Products Liability/Completed Operations Liability, with limits of not less than One Million Dollars (\$1,000,000) in the aggregate; and
- Automobile Liability – One Million dollars (\$1,000,000) for bodily injury and property damage each accident limit.

Before commencing the Work, the Contractor shall furnish a) a certificate, satisfactory to Owner, from each insurance company showing that the above insurance is in force, stating policy numbers, dates of expiration, and limit of liability thereunder and b) a certificate naming Owner as an additional insured on a combination of a ISO form CG 20 37 and an ISO CG 20 10 10/01 form or its approved equivalent.

ARTICLE 12 MISCELLANEOUS PROVISIONS

12.1 ASSIGNMENT OF CONTRACT

Neither party to the Contract shall assign the Contract without written consent of the other.

12.2 GOVERNING LAW

The Contract shall be governed by the laws of the State of California.

12.3 TESTS AND INSPECTIONS

Tests, inspections and approvals of portions of the Work required by the Contract Documents or by laws, ordinances, rules, regulations or orders of public authorities having jurisdiction shall be made at an appropriate time. Unless otherwise provided, the Contractor shall make arrangements for such tests, inspections and approvals with an independent testing laboratory or entity acceptable to the Owner, or with the appropriate public authority. The Owner shall bear all related costs of tests, inspections and approvals. The Contractor shall give the Owner timely notice of when and where tests and inspections are to be made so that the Owner may be present for such procedures.

ARTICLE 13 INDEMNIFICATION

13.1 To the fullest extent permitted by law, Contractor agrees to indemnify, hold harmless and defend Owner and its Officers, Agents and Employees from and against any and all claims, losses, damages, liability including defects in the work arising out of the negligent acts, errors or omissions and/or breaches of this agreement except to the extent caused by the active or sole negligence, or willful misconduct of the Owner.

ARTICLE 14 DISPUTES

14.1 All disputes not settled by negotiation or mediation shall be resolved by resort to such rights and remedies as the parties each may have at law or in equity. Except to the extent that this AGREEMENT expressly permits a party to suspend performance, pending final resolution of a dispute, the parties shall each proceed diligently and faithfully with performance of their respective obligations under this AGREEMENT. CONTRACTOR acknowledges and agrees that, should a dispute proceed pursuant to this Section, the only issues that the CONTRACTOR may raise in such proceedings are those that were specifically included in its written claim submitted in accordance with this AGREEMENT, as applicable to the type of WORK. Failure to specifically describe an issue in the written claim within 10 days constitutes a waiver of that claim and shall preclude CONTRACTOR from raising such claim in any court or arbitration proceeding.

This Agreement entered into as of the day and year first written above.

Magnolia Educational & Research
Foundation dba Magnolia Public Schools

Regreen

President & CEO (Signature)

CONTRACTOR (Signature)

By: Alfredo Rubalcava
Its: Chief Executive Officer &
Superintendent

By: Chad Clark
Its: President
License Number: 939440

**TASK ORDER
Exhibit A****Scope of Work and Schedule**

Facility: Magnolia Science Academy 2

Address: 17125 Victory Boulevard, Van Nuys, CA 91406

Primary Contact for Site: Patrick Ontiveros, Tel: (213) 628-3634; Email: pontiveros@magnoliapublicschools.org

Project Manager Name and Contact Info:

James Richmond, First Note Finance *inc*; Cell: (303) 517-8640; Email: James@FirstNoteFinance.com

Amanda Kielian, First Note Finance *inc*; Cell: (650) 534-8102; Email: Amanda@FirstNoteFinance.com

Project Manager Name and Contact Info for CONTRACTOR:

Carly Moss, Tel: (469) 422-0676; Email: carly@regreencorp.com

Karina Branum, Tel: (213)378-1761; Email: karina@regreencorp.com

Scope of Work Narrative:

CONTRACTOR shall perform a comprehensive, turnkey, LED Lighting Retrofit for all lighting fixtures, both Interior and Exterior, including all equipment and materials, installation labor, 19 occupancy sensors, permitting, securing LADWP rebates, customer acceptance, and warranty. CONTRACTOR shall perform its own site survey and provide Owner with a scope and price proposal prior to executing this contract. The site survey shall be of sufficient detail to capture in advance any potential change orders, including but not limited to emergency lighting, battery backups, product compatibility with compact fluorescent ballasts, occupancy sensor integration, and/or product voltage compatibility. The annual kWh energy savings of the CONTRACTOR proposed systems shall be within 15% of the calculated energy savings of 24,535 kWh in order to adhere to the CA Proposition 39 funding guidelines. For fluorescent tube fixture retrofits, the Owner's preference is a line-voltage LED replacement where the fluorescent ballasts are removed. CONTRACTOR shall prepare and submit rebate applications and assist Owner with collection of the rebates, even after the on-site work is complete and accepted.

All lighting materials and equipment shall follow the specifications required by LAUSD.

Contract for LED Lighting Retrofit Project – MSA 2 and Regreen**05/17/19**

The funding for this project and scope is dependent upon the availability of State Proposition 39 energy funding. The Prop-39 program requires that State funding be encumbered (that is, committed as evidenced by a signed contract) no later than June 30, 2019. If this Agreement is not executed by both parties by June 30, 2019, this Agreement will be null and void and of no further force or effect. Moreover, this Agreement is subject to the availability of public funding, and if the funding is subsequently determined to be unavailable, CONTRACTOR has no right to be compensated for equipment or supplies purchased, or for WORK performed under this Agreement. Therefore CONTRACTOR shall not purchase any equipment or supplies, or perform any WORK under this Agreement until a written, executed, NOTICE TO PROCEED is provided by Magnolia Science Academy. CONTRACTOR shall have no remedy at law or in equity as a consequence of having violated the foregoing provision. This Agreement will automatically terminate on March 15, 2020, if no NOTICE TO PROCEED is issued by Magnolia Science Academy.

The scope of work includes retrofit to LED Lighting for all Interior and Exterior lighting fixtures given in Tables 1A to 1F on the following pages. Product cut sheets for the new LED Lamps and/or LED fixtures are provided in the following link to Dropbox:

<https://www.dropbox.com/sh/7pnlt5pikwoyofd/AABQIhMY8fBrYT0v2EH-SgIwa?dl=0>

Bill of Materials:MSA2 - Option A

(2) GC 5.5PLS/850/BYP/2GX7	17	
(2) L48T8/840/12G-EB-AC + VEL50BN-2C	199	
(3) L48T8/840/12G-EB-AC + VEL100BN-4C	4	
GC 17A21G4DIM/840/R	6	

Contract for LED Lighting Retrofit Project – MSA 2 and Regreen**05/17/19****Project Budget: \$20,472.26**

(The PROJECT MANAGER will provide a dollar amount which is the maximum project budget here. This is the maximum amount of project funding secured through the Proposition 39 application.)

Tabular Listing of the Work to be Performed:

Interior: Fluorescent Tube Fixture Retrofit	\$10,718.78
Interior: Bulb Retrofit	\$ 1,445.01
Exterior: Lighting Retrofit	\$ 637.24
Interior: Lighting Occupancy Sensors	<u>\$ 7671.23</u>
Total LED Retrofit:	\$20,472.26

Schedule: The LED lighting project is requested to be undertaken as soon as possible as determine by school client.

Product Cut Sheets:

A comprehensive set of project cut sheets will be submitted by CONTRACTOR and included here by the following link to Dropbox:

<https://www.dropbox.com/sh/7pnlt5pikwoyofd/AABQIhMY8fBrYT0v2EH-SgIwa?dl=0>

Exhibit B**Price and Payment Terms**Fixed Turnkey Price: \$20,472.26**Contingencies/Additional Services Budget: \$1,829.00**

A contingency amount of \$1,829.00 to cover changes to cover unforeseen circumstances in the project.

(This is the fixed turnkey price to be paid to CONTRACTOR for its completion of the Work, including all products, parts, materials, labor, travel expenses, permits and overhead. CONTRACTOR's price shall be in conformance with its bid per the Attachment A-1 that it submitted with the RFQ.)

Payment Terms:

- One final invoice per the following Schedule of Values. Payment terms at net 15 days.
- Joint-party checks to ensure payment to equipment suppliers shall be indicated on Final Invoice. All material & equipment suppliers shall be identified, so joint-party checks can be issued.
- Unconditional Waiver and Release upon Final Payment (California Civil Code 8138) is required from all equipment suppliers and/or subcontractors for final payment.
- Unconditional Waiver and Release upon Final Payment (California Civil Code 8138) from the CONTRACTOR is required for final payment.

Schedule of Values:

Project Milestone	% Completed	Amount
Installation Complete, Warranty, & O&M Manual	100%	\$20,472.26

Contract for LED Lighting Retrofit Project – MSA 2 and Regreen

05/17/19

Bid Form & Schedule of Values for OPTION A – LINE VOLTAGE LED LAMP RETROFIT APPROACH
 Date: 3/26/18 Company: ReGreen, Inc. Email: chad@regreencorp.com
 Name: Chad Clark Telephone: 310.920.0747

Magnolia Sciences Academy 2

Option A	Line Voltage Lamp Retrofit Approach	PRICE OF				Schedule of Values (5)	Estimated Rebates (6)	Payer(s) of Rebates (7)
		Interior Fluorescent Tube Fixture Retrofit (1)	Interior Bulb Retrofit (2)	Exterior Lighting Retrofit (3)	Occupancy Sensors (4)			
1	Magnolia Sciences Academy 2 Lighting Products	\$ 6,125.02	\$ 825.72	\$ 364.14	\$ 4,602.74	60%	\$ 724.89	SCE*
2	Magnolia Sciences Academy 2 Installation Labor, Lamp & Ballast Disposal	\$ 4,083.34	\$ 550.48	\$ 242.76	\$ 2,761.64	36%		
3	Magnolia Sciences Academy 2 Cost of Permits and Inspections	\$ 510.42	\$ 68.81	\$ 30.34	\$ 306.85	4%		
TOTAL TURNKEY FIXED PRICE:						100%		

Total: \$ 20,472.26
 *Rebate to be filed by customer separately

Please list the DLC product numbers for the lighting products included in the Option A – Line Voltage LED Lamp Retrofit Approach table above

DLC Number	Product Description and Lamp or Fixture Lumens	Includes Integrated Area Controls or Occupancy Sensing? (Yes / No)	Includes Integrated Dimming Controls? (Yes / No)	Product Cut Sheet Provided with Bid? (Yes / No)	
P0XY2633	4ft LED T8, 12W, 4000K, 1850 lm	No**	No	Yes	**See attached proposal for control details

I, (name) Chad Clark, am qualified to make this bid-offer commitment on behalf of my company. The fixed, turnkey price provided is all-inclusive. I understand that this bid is provided to the client without expectation for compensation of any kind for the cost of preparing it, and that the Client (Magnolia Sciences Academy 2), or its designated Energy Manager (First Note Finance inc) may reject this bid if it is not responsive, complete or submitted after March 26, 2018, 4:00 PM

Exhibit C
CA Department of Industrial Relations Prevailing Wage Reporting Form – PWC 100

This project is funded in whole or in part using Proposition 39 State funding. This statute prohibits sole sourcing of contractors and requires registration with DIR as well as compliance with applicable Prevailing Wage law.

Please use your existing DIR login or register at:

DIR PWC 100 Log-in Site: <https://www.dir.ca.gov/pwc100ext/LoginPage.aspx>

Cover Sheet

Approval of MSA 1 Dry Erase Paint Change Order

Section: III. Action Items
Item: F. Approval of MSA 1 Dry Erase Paint Change Order
Purpose: Vote
Submitted by:
Related Material: III F MSA-1 Dry Erase Paint.pdf



Ad Hoc Committee Agenda Item #:	Action Item III.F.
Date:	June 3, 2019
To:	Magnolia Educational & Research Foundation dba Magnolia Public Schools (“ MPS ”) Ad Hoc Committee (the “ Committee ”)
From:	Alfredo Rubalcava, CEO & Superintendent
Staff Leads:	Patrick Ontiveros, General Counsel & Director of Facilities Mustafa Sahin, MSA-1 Principal
RE:	MSA-1 – Dry Erase Paint Change Order Request

I. Proposed Recommendation(s)

Staff recommends and moves that the Ad Hoc Committee approve Oltmans’s change order request for the application of a dry erase paint to certain specified walls in the new construction project at 18220 Sherman Way for the benefit of MSA-1 (the “**Project**”).

II. Background

At the April 11, 2019 Meeting of the Board of Directors of MPS (the “**Board**”), the Board granted to the Ad Hoc Committee the authority to approve change order requests submitted for the Project.

Dry erase paint is a commonly used application in schools that substitutes for traditional white boards. It provides a larger surface on which to write. In the alternative, MSA-1 would have to purchase dry erase boards for every surface proposed to be painted with dry erase paint (both classrooms and offices). Assuming 3 whiteboards per classroom (each 4’ x 8’) and 20 classrooms and 1 whiteboard per office and 7 offices and a cost of approximately **\$330** per whiteboard, using whiteboards would be about **\$29,203** with taxes. A sample of 4’ x8’ whiteboards is attached as Exhibit A.

MSA-1 Oltmans has submitted PCI (aka a change order request) 030 for approval to provide dry erase paint in each classroom covering one entire wall and in each office covering one entire wall. See attachment A. The cost for PCI 030 is **\$20,906**. It would therefore be less expensive to use dry erase paint.

Two alternatives were presented—one using the Monochem Dry Erase product and one using the Rust-Oleum product. While the Rust-Oleum product is less expensive, it is also deemed to be an inferior product. It does not have the longevity of the Monochem product. Moreover, the Monochem product comes with a 10 year warranty while the Rust-Oleum product does not come with any warranty.



III. Budget Impacts

The Project budget carries a line item of **\$325,000** for start-up costs, including FF&E. As reported under a separate board item the total bid amount for FF&E is **\$216,000**. The difference of **\$109,000** would allow for the payment of the cost for the dry erase paint without dipping into the Project budget contingency. A savings of **\$88,094** should be realized that would be added to the Project's contingency which, with the approval of change orders 6 and 7, would then amount to a total of **\$349,056**.

Exhibits (attachments):

- A. White Board Samples
- B. PCI 030



Exhibit A

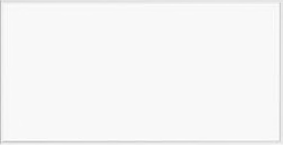

White Board Samples

See Following Pages



Product Comparison

Remove all Share

x	x
	
<p>Sparco Aluminum Frame Dry-Erase Board, 96" x 48" Item # 350495</p> <p>\$329.99 each</p> <p>Add to Cart</p>	<p>Quartet® Infinity™ Magnetic White Glass Frameless Dry-Erase Board, 96" x 48" Item # 191099</p> <p>\$707.29 each</p> <p>Add to Cart</p>
<p>Rating</p> <p>★★★★★ (2 Reviews)</p>	<p>★★★★★ (1 Reviews)</p>
Feedback	
<p>Price</p> <p>\$329.99 each</p>	<p>\$707.29 each</p>
<p>Color</p> <p>Silver</p>	<p>White</p>
<p>Color (Board)</p> <p>White</p>	<p>White</p>
<p>Board Material</p> <p>Melamine</p>	<p>Glass</p>
<p>Material (Frame)</p> <p>Aluminum</p>	<p>---</p>
<p>Mounting Hardware Included</p> <p>Yes</p>	<p>Yes</p>
<p>Recommended Board Use</p> <p>Meeting/Conference Room; Classroom; Office</p>	<p>Meeting/Conference Room; Classroom; Office</p>
<p>Shape</p> <p>Rectangular</p>	<p>Rectangular</p>

Width 48 In.	48 In.
Height 96 In.	96 In.
Material Family Plastic	Glass
Brand Name Sparco	Quartet
Dimensions 96 In. X 48 In.	96 In. X 48 In.
Manufacturer SPARCO PRODUCTS	ACCO BRANDS CORP
Product Type Framed Dry-Erase Board	Framed Dry-Erase Board
Quantity 1	1
Size 96 In. X 48 In.	96 In. X 48 In.
Type 3 96" (8 Ft) Width X 48" (4 Ft) Height - White Styrene Surface - Silver Aluminum Frame - Rectangle - Wall Mount - 1 Each	96" (8 Ft) Width X 48" (4 Ft) Height - White Tempered Glass Surface - White Frame - Horizontal/Vertical - 1 / Each
Board Surface Material Styrene	Tempered Glass
Assembly Required No	No
Type 1 Lorell Aluminum Frame Dry-Erase Board - 96" (8 Ft) Width X 48" (4 Ft) Height - White Styrene Surface - Silver Aluminum Frame - Rectangle - Wall Mount - 1 Each	Quartet Infinity® Glass Magnetic Dry-Erase Board, 8' X 4', White Surface, Frameless - 96" (8 Ft) Width X 48" (4 Ft) Height - White Tempered Glass Surface - White Frame - Horizontal/Vertical - 1 / Each
Type 0 Dry-Erase Board, 8'X4', Aluminum Frame	Glass Marker Board, Infinity, Frameless, 8"X4", White
Type 2 Lorell Aluminum Frame Dry-Erase Board	Quartet Infinity® Glass Magnetic Dry-Erase Board, 8' X 4', White Surface, Frameless
Product Name Aluminum Frame Dry-Erase Board	Infinity Magnetic Glass Marker Board

Use Frequency ---	Heavy Use
Product Line ---	Magnetic White Glass Frameless Dry Erase Boards
Primary Material ---	Glass
Mounting Hardware Type ---	Pass-Through
Limited Warranty ---	Lifetime
Magnetic ---	Yes



Exhibit B

PCI 030

See Following Pages



10005 Mission Mill Road
Whittier, CA 90601
Phone: (562) 948-4242 Fax: (562) 695-9267

POTENTIAL CHANGE ITEM
PCI030

TITLE: Dry Erase Paint Add at Classrooms & Offices **DATE:** 04/19/2019
PROJECT: Magnolia Science Academy **PROJECT NO.:** 18049
TO: Patrick Anton Ontiveros
Magnolia Educational and Research Foundation
250 E. 1st St., 1500
Los Angeles, CA

We respectfully request your approval of the following change to the original scope of work:

DESCRIPTION:

This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment required to furnish and install Monochem dry erase per sketches SK018A-C issued at submittal review.

Two options provided (this PCI includes option 1) Options described and breakdown provided on back up:

1. Option #1 per sketches SK018A-R, SK018B-R and SK018C-R includes prep, prime and finish walls (2) two coats of Monochem Dry Erase tinted to DEW341 Swiss Coffee gloss at all specified locations per SK18A to C-R. It includes credit for paint no longer needed if Monochem dry erase paint is used.

*Moch-up out of sequence - \$650 add not included in price.

2. Option #2 VE option to be applied at locations called out on SK018A-R, SK018B-R and SK018C-R includes prep, prime and finish walls (2) two coats of Rust-Oleum write on clear over swiss coffee painted walls in lieu of Monochem Dry Erase. This product is NOT an equal to Monochem.

*Moch-up out of sequence - \$650 add not included in price.

Note: The dry erase scope was not part of original contract documents.

This PCI excludes: any items not identified above including moch-up out of sequence, future or design impact and changes caused by City review or inspections.

Vendor	Description	Amount
JFP Company	Paint & Wallcovering (Option 1)	19,305.00
	Bond	158.00
	SUBTOTAL:	19,463.00
	Fee	987.00
	GL	188.00
	Gross Tax	26.00
	SDI	242.00
TOTAL COST FOR THIS CHANGE ORDER REQUEST:		20,906.00

APPROVAL:
Oltmans Construction Co.

BY: Trevor Lawton
DATE:

APPROVAL:
Magnolia Educational and Research

BY: Patrick Anton Ontiveros
DATE:

Estimate Summary Magnolia Science Academy

Dry Erase Paint

PCI No. 030

Provide labor materials and equipment as required to perform the following changes:

See Oltmans COR cover sheet for description of scope of work

DRY ERASE PAINT ADDED SCOPE (Option #1)

DRY ERASE PAINT ADDED SCOPE (Option #2 VE OPTION)

Description	Totals	Notes
Dry Erase Paint (Monochem)	\$22,520	Per Sketch 18A-18B & Submittals. Monochem dry erase finish tinted to DEW 341 Swiss coffee. (approx \$1.50 sf)
Credit for latex paint - base contract	(\$3,215)	Credit for original base contract; latex finish paint at the dry erase walls.
Subtotal	\$19,305	
SDI	\$242	
Liability Insurance	\$188	
Bond	\$158	
OH & P	\$987	
Tax	\$26	
TOTAL	\$20,906	

Description	Totals	Notes
Restolium Dryerase (VE)	\$16,445	VE option: Rust-Oleam write on clear over swiss coffee painted walls in lieu of Monochem Dry Erase. Restolium comes in clear and white. If clear, walls would be painted therefore no credit of base contract will be issued.
Credit	\$0	<i>This product is NOT an equal to Monochem.</i> <i>This product is clear, walls would be painted therefore no credit of base contract will be issued.</i>
Subtotal	\$16,445	
SDI	\$206	
Liability Insurance	\$160	
Bond	\$136	
OH & P	\$841	
Tax	\$22	
TOTAL	\$17,809	

QUALIFICATIONS:

EXCLUSIONS:

*Moch-up out of sequence - \$650 add not included in price.



TO: Oltmans Construction
10005 Mission Mill Road
Whittier, CA 90601

DATE: 4/23/2019

ATTN: Elizabeth Lara
E-MAIL: elizabethl@oltmans.com
PH: (562) 948-4242 EXT 3432

PROJECT: Magnolia Science Academy
18220 W. Sherman Way
Reseda, CA 91335

Cal. State License No. 457639

CHANGE ORDER REQUEST #1

Additional Items:

OPTION 1:

1. Prep, prime and finish walls by applying two coats of Monochem Dry Erase Finish tinted to DEW341 Swiss Coffee Gloss at all specified locations per revised finish sketches dated 3/15.19.

**MATERIALS: \$10,135.00
LABOR/OH: \$12,385.00**

2. Credit to original contract for interior latex finish paint at Dry Erase walls.

DEDUCT: (\$3,215.00)

TOTAL OPTION 1 \$19,305.00

OPTION 2:

1. Apply two coats of Rust-Oleum Write-On Clear over Swiss Coffee Painted Walls in lieu of Monochem Dry Erase.

**MATERIALS: \$6,578.00
LABOR/OH: \$9,867.00**

TOTAL OPTION 2: \$16,445.00

Submitted by: Chris Pennington

Approved by:

Date:

JFP will not proceed with this scope of work without written authorization, nor be responsible for any delay in the completion of the project resulting from the failure to timely authorize this scope of work in writing and on the approved form for billing.

The work set forth above shall be subject to all of the terms and conditions of the contract. This price submitted to perform the work described herein includes the direct cost of labor, material and equipment necessary to perform the work plus markup. The price does not include amounts for unforeseen and currently unexpected delays, interferences and disruptions to the original contract work caused by this additional work. JFP reserves the right to seek additional compensation for the costs of those delays, interferences and disruptions, if any, at a later date.

MONOCHEM

DRY ERASE®

TECHNICAL BULLETIN



2-Component, Water Base, Aliphatic Polyurethane

MADE IN U.S.A.

PRODUCT DESCRIPTION:

MONOCHEM DRY ERASE is 2-component aliphatic polyurethane that creates a dry erase environment for interior or exterior surfaces. It allows you to convert almost any surface into a high performance erasable canvas. It is a GREEN/universally compliant coating that is USDA approved and has zero HAP's. **DRY ERASE** is available in a gloss, clear or can be pigmented to any color.

BASIC USES:

MONOCHEM DRY ERASE is ideal for most drywall, Masonite, wood, concrete, cement and prepared metal surfaces. It is highly recommended for a variety of settings like schools (old chalkboards, whiteboards or walls), offices, warehouse, cafeterias, gymnasiums, homes, etc.

ADVANTAGES:

- Universally Compliant
- Low Odor/ Zero HAP'S
- Very Low VOC, USDA Compliant
- Superior Cleanability and Stain Resistance
- Top Tier Chemical Resistance
- Outstanding Hardness, Durability and Abrasion Resistance
- Can be pigmented to any color.
- Ideal for schools, offices, warehouses, cafeterias, gymnasiums, homes, etc.

Product Qualifications	
Cal Green	Yes
OTC (Industrial Maintenance)	Yes
SCAQMD (Industrial Maintenance)	Yes
CARB (Industrial Maintenance)	Yes
LEED (New Construction)	Yes
LEED (New Schools / CHPS)	Yes

SURFACE PREPARATION:

Concrete, Masonry, Drywall, Plaster, Cement Materials, Etc.:
All Surfaces must be dry (<15% moisture) and cured for a minimum of 28 days. All adhesion affecting contaminants like dust, dirt, grease, oils, efflorescence, release agents, curing compounds, etc. must be completely removed prior to product application. All cracks and holes larger than 1/16" need to be patched with a paintable filler prior to product application.

*Drywall Surfaces: Must be previously painted or have a PVA primer (ex. **AQUAPRIME**) applied. Recommended only for drywall surfaces Level 4 and above.

TECHNICAL DATA:

Composition.....	2 Component Aliphatic Polyurethane
Solids by Weight (ASTM D2396)	55% ±2
Solids by Volume (ASTM D2697).....	54% ±2
VOC Level.....	< 10 g/L
Viscosity (Mixed, Part A & Part B)	90 KU
Film Appearance, Gloss @60° Gloss (ASTM D523)	94-96°
Color.....	Clear (5670) and White (5660)
Coverage (Approximately).....	175-275 sq/ft/gallon @4-6, Wet Mills, 2-3 Dry Mills
Warranty.....	10 Years
Scrub Resistance (ASTM D2486)	7,500+

Glossy Surfaces & Wood (Glazed Tiles, Plastics, Metal, Porcelain, Formica, Fiberglass: These surfaces must be sanded smooth and primed with **MONOBOND** (can be pigmented to lighter colors) or **MONOCHEM 21** ("stick to anything primer"). **MONOCHEM 21** has an amber hue to it. If this is an issue, just pigment the **MONOCHEM DRY ERASE** to any desired color to hide this effect. Conduct a thorough adhesion test prior to application.

Painted Surfaces: Allow all latex base color coats to dry for 24 hours minimum before topcoating. Existing 2-component coatings (ex. epoxies, polyurethanes, etc.) may require abrasion or priming with **MONOCHEM 21** prior to product application.

Metals: Non-Corrosive Metals (Galvanized, Aluminum, Stainless Steel, etc.): Remove all oils or films with a neutral detergent or emulsion cleaner. Blast lightly with fine abrasives or conduct a light etching. Then rinse using a Zinc treatment and coat within 3 hours to avoid oxidation.

Corrosive Metals: Remove all the loose rust, dirt, grease or other contaminants by one of the following depending on the degree of cleanliness required. Blast SSOC-SP3; SSPC-SP2; SSPC-SP6; SSPC-SP7. Blast lightly with fine abrasives or conduct a light etching. Then rinse using a zinc treatment and apply a rust inhibitive primer prior to **MONOCHEM DRY ERASE**.

Warning: Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD or contact your local health authority.

9

**HIGH PERFORMANCE COATING 09900
PROTECTIVE COATINGS**

**MONOPOLE INC.
UPDATED APRIL 2017**



Manufacturer of
U.S. SPECIALTY COATINGS

4661 Alger Street • Los Angeles, CA 90039

Tel: 818-500-8585 • Fax: 818-502-0818

www.monopoleinc.com • Email: info@monopoleinc.com

MIXING: Stir the Part A thoroughly by itself (do not stir Part B by itself). Then pour Part B into Part A and mix thoroughly until the coating is uniform in color (~2-3 minutes). Proceed with the application immediately after mixing.

POT LIFE: 1-2 hours after mixing. Discard materials not applied within the recommended pot life period.

Apply in a well ventilated area. When sufficient ventilation is not available make sure to use respirators and the proper personal protective equipment.

APPLICATION:

- Apply only when air and surface temperature are between 50-90°F (10-32°C) and the relative humidity is below 85%.
- Apply the recommended primer if needed. A primer is not recommended for existing surfaces already painted with latex paint.
- Note: A continuous application will ensure a smooth and level coat that is free of lines and streaking. Application should not be stopped part way across an area and completed later.
- Two coats of **MONOCHEM DRY ERASE** are required over white or light colored surfaces. Three coats are recommended over darker surfaces to achieve hide.
- The recommended coverage rate is between 175-275 sq/ft/gallon depending on surface porosity, yielding 2-3 dry mils per coat. Do not exceed six (6) wet mils per coat to prevent hazing or micro bubbling from occurring.
- To obtain proper adhesion between coats it is imperative that recoating be done within 4-6 hours. Do not exceed 16-20 hours between coats or sanding may be required.
- Allow **MONOCHEM DRY ERASE** to cure for a minimum of 5-7 days before applying any markings. Once fully cured, **MONOCHEM DRY ERASE** markers may be applied to the surface and then wiped off with an eraser or lint-free cloth.
- For best results use good quality roller, brush or airless sprayer. Always apply a test patch prior to application to ensure the desired appearance and performance.

DRY ERASE MARKER REMOVAL:

- Use standard dry erasers or a non-abrasive cloth to wipe dry erase markings until they are completely removed.
- For tough to remove dry erase markings the following cleaners can be used: Expo White Board Cleaner, Windex Crystal Rain Clear, or D-limonene cleaning wipes (ex. by Tub O' Towels).

STANDARD DRY TIME:

- Pot Life: 1-2 hours
- Dry-To-Touch: 4-6 hours
- Recoat Time: 4-6 hours
- Maximum Recoat Time: 16-20 hours
(After 18-24 hours, abrading or sanding the surface will be required)
- Dry Erase Exposure: 5-7 days
- Full Cure: 5-7 days

SHELF LIFE:

MONOCHEM DRY ERASE has a one-year shelf-life in an unopened container stored at room temperature.

CLEAN-UP:

Clean brushes, hands and tools immediately with soap and water while the material is still wet.

PACKAGING:

MONOCHEM DRY ERASE is available in clear or white quart & gallon sized kits.

Gloss

- Clear Quart Kit: #5670-28OZ (20 Oz Part A & 8 Oz Part B)
- Clear Gallon Kit: #5670-01 (80 Oz, Part A & 32 Oz Part B)
- Tint Base Quart Kit: #5680-28OZ (20 Oz Part A & 8 Oz Part B)
- Tint Base Gallon Kit: #5680-01 (80 Oz, Part A & 32 Oz Part B)
- White Quart Kit: #5660-31OZ (23 Oz Part A & 8 Oz Part B)
- White Gallon Kit: #5660-01 (86 Oz, Part A & 32 Oz Part B)

WARRANTY:

Monopole Inc. warrants the **MONOCHEM DRY ERASE** for a 10-year period as long as the substrate, application, and cleaning methods meet the guidelines. For the duration of the 10-year warranty no additional coats of **MONOCHEM DRY ERASE** will need to be applied.

WARRANTY INFORMATION: MONOPOLE believes that the information in this publication is an accurate description of the typical characteristics and/or uses of the product or products. It is your responsibility to thoroughly test the product in your specific application to determine its safety and performance capabilities. Since use of this product is beyond our control, MONOPOLE, INC. cannot assume any risk or liability for results obtained when not used according to our specifications and directions. Unless MONOPOLE provides a specifically written statement of fitness for a particular use, MONOPOLE'S sole warranty is that the product will meet its current sales specifications. MONOPOLE disclaims any other expressed or implied warranties, including the warranty of merchantability and fitness for use. Your exclusive remedy and MONOPOLE'S sole liability for breach of warranty is limited to a refund of the purchase price or replacement of any product proven to be defective. In no event shall the seller be liable for any loss of profits or other consequential damages, including labor charges.

TECHNICAL DATA**SE-01**

• TRUSTED QUALITY SINCE 1921 •

RUST-OLEUM®**RUST-OLEUM®
WRITE-ON PAINT®****DESCRIPTION AND USES**

Rust-Oleum® Write-On Paint® provides a smooth, hard finish which is suitable for use with dry-erase markers. Write-On Paint is ideal for use on interior surfaces such as drywall, Masonite, wood, cementitious and metal substrates. It is suitable for use in business offices, child care centers, classrooms and industrial work stations.

PRODUCT FEATURES

- Low odor
- VOC complaint
- Safe to use indoors
- Easy application
- No primer required

PRODUCTS

SKU	Description
72105	50 square foot Kit
72110	100 square foot Kit

RECOMMENDED PRIMER*

For non-ferrous substrates	SKU
Universal Acrylic Primer	278808 White
For ferrous substrates	SKU
ROC Prime 100	263501 Gray Primer

*Priming is not required if applying over a sound existing coating.

PRODUCT APPLICATION**SURFACE PREPARATION**

Write-On is applied at a very thin film thickness; therefore **ALL** surfaces should be lightly sanded with a fine grit sandpaper to remove orange peel, high spots or any other irregularities on the substrate.

Previously coated surfaces must be in good, sound condition. Surface should be dull, clean, dry and free of dirt, grease, oil, mildew, dust and other contamination. If a solvent wipe is needed, use only MEK.

Uncoated surfaces should be primed with an appropriate primer.

PRODUCT APPLICATION (cont.)**APPLICATION**

Apply only when air temperature is between 50-90°F (10-32°C) and the surface temperature is at least 5°F (3°C) above the dew point.

Combine the two components by placing the pouch on a flat horizontal surface. Roll the pouch from the larger side toward the smaller side forcing the inter compartment membrane to break and allow the two components to mix together. Then, thoroughly mix the materials by shaking the pouch back and forth, squeezing the edges and corners toward the center of the pouch. Mix the pouch for at least one full minute.

Once the material is thoroughly mixed, cut a corner off the pouch and pour the material into a roller tray. Use a ¼" nap, de-linted, high quality roller cover. Fully saturate the roller and roll out vertically, maintaining a wet edge pattern to spread the material. Back roll to achieve a thin coat of material over the entire surface. Cut in the edges and other non rollable areas by brush. Make sure there are no pin-holes and that the coverage is thin and uniform. Write-On Paint is designed to be applied as a thin film. Write-On Paint is not suitable for spray application.

DRY & RECOAT TIMES

Dry and recoat times are based on 70°F (21°C) and 50% relative humidity. Allow more time at cooler temperatures. Dries to handle and recoat in 4-8 hours. If a second is applied, the first coat must be sanded with fine grit sandpaper prior to re-coating.

Allow Write-On Paint to cure for 3 days before using dry erase markers. Dry erase markers may be applied to the surface and then wiped off with an eraser or lint-free cloth. If after erasing, a hint of marking remains, simply use a dry erase cleaner or any other household cleaner to remove marks. Do not use abrasive cleaners, pads or cloth. Let surface dry before dry erase markers are used again.

CLEAN-UP

Clean brush and other application tools immediately with xylene.

Keep product from freezing. Do not store in temperatures lower than 50°F (10°C).

**TECHNICAL DATA****WRITE-ON PAINT®****PHYSICAL PROPERTIES**

		WRITE-ON PAINT
Resin Type		Polyurea
Pigment Type		NA
Solvents		Parachlorobenzotrifluoride
Weight	Per Gallon	9.73 lbs.
	Per Liter	1.16 kg
Solids	By Weight	63.0%
	By Volume	65.0%
Volatile Organic Compounds*		175 g/l (1.50 lbs/gal)
Recommended Dry Film Thickness (DFT) Per Coat		1.0 mil (25µ)
Wet Film to Achieve DFT (unthinned material)		2.0 mils (50µ)
Practical Coverage at Recommended DFT (assumes 15% material loss)		50 sq.ft. pouch (1.2 m ² /l) 100 sq.ft. pouch (2.5 m ² /l)
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Handle	4-8 hours
	Recoat*	4-8 hours
	Full Cure	72 hours
Shelf Life		2 years
Flash Point		133°F (56°C)
Safety Information		For additional information, see SDS

* Previous coat must be sanded with fine grit sandpaper prior to re-coating.

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.

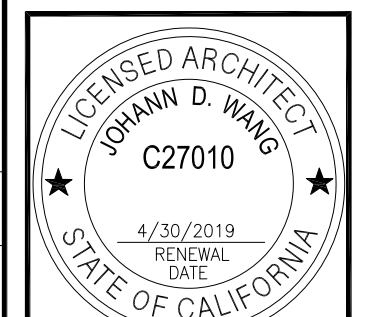


Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, Illinois 60061
An RPM Company

Phone: 877-385-8155
www.rustoleum.com/industrial

Form: GDH-704
Rev.: 010417

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2019
2	PD PLAN CHECK	10/31/2019
3	PD PLAN CHECK	12/14/2019



PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	FIRST FLOOR FINISH PLAN
DATE	02/28/2019
SCALE	AS NOTED
DESIGNED BY	
CHECKED BY	
DATE	

A1.5

FINISH NOTES

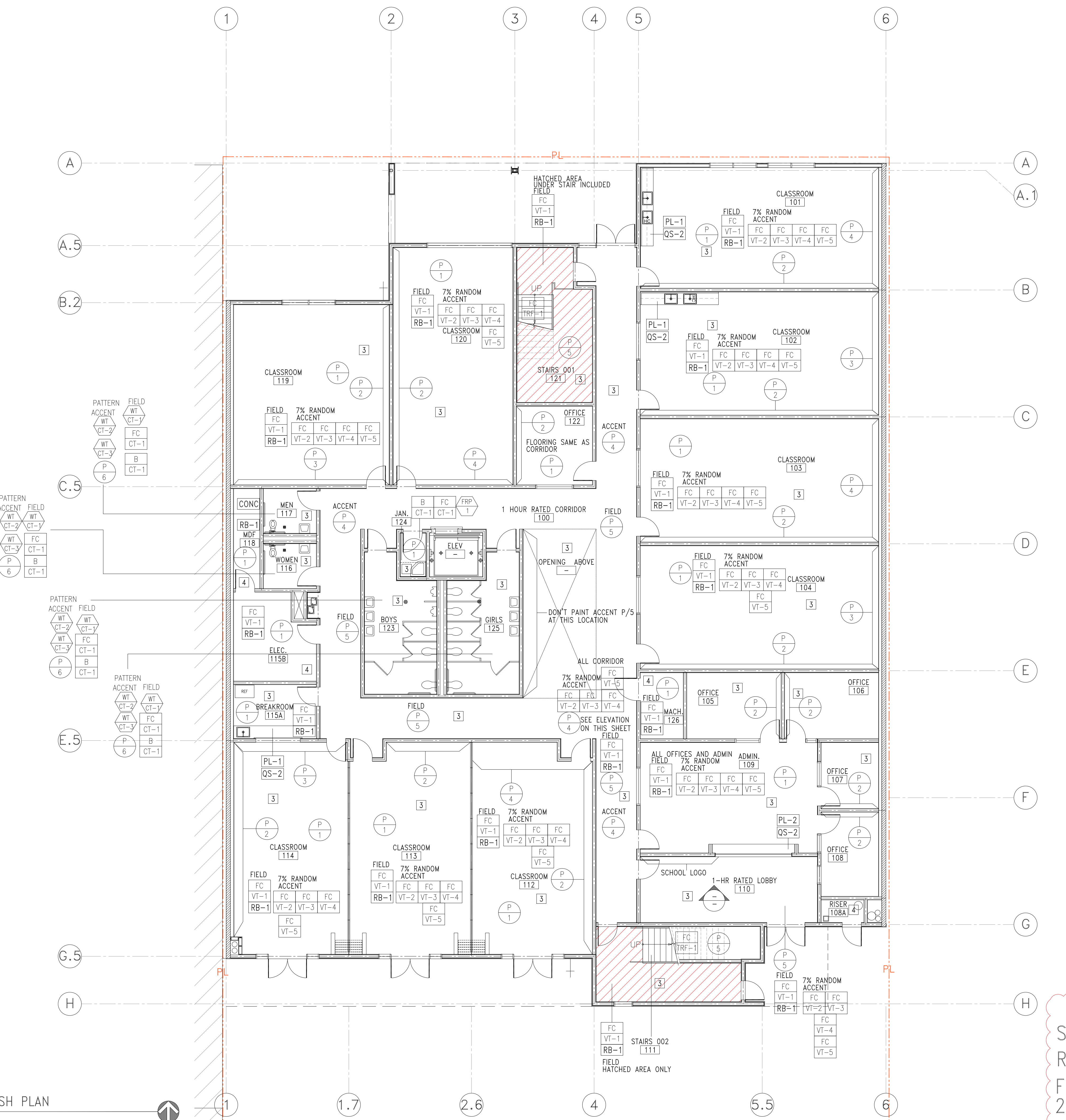
- CONTRACTOR SHALL SUBMIT 8"x8" SAMPLES OF ALL FINISHES TO ARCHITECT FOR APPROVAL AT LEAST 2 WEEKS PRIOR TO INSTALL.
- CONTRACTOR SHALL FOLLOW ALL MANUFACTURERS RECOMMENDATIONS & INSTRUCTIONS FOR THE INSTALL. OF ANY FINISHES OR PRODUCTS.
- ALL MATERIAL AND ITS INSTALLATION SHALL COMPLY W/ ALL BUILDING FIRE & ADA CODES IN EFFECT IN THE CITY OF LOS ANGELES.
- U.O.N. ALL ACCESS DOORS & PANELS SHALL BE PAINTED TO MATCH ADJ. SURFACE COLOR & FINISH.
- G.C. AND THEIR SUBS SHALL BE RESPONSIBLE FOR ANY WALLCOVERING INSTALLATIONS.
- ALL PRIMING & OR SIZING OF WALLS TO RECEIVE WALLCOVERING SHALL BE DONE BY THE SUB CONTRACTOR INSTALLING THE WALLCOVERING.
- CONTRACTOR SHALL SUBMIT A CARPET SEAMING DIAGRAM & DIRECTION OF CARPET TO ARCHITECT AT LEAST 2 WEEKS PRIOR TO INSTALL.
- FLOORING SUB SHALL PRE-INSPECT EXIST. FLOOR SLAB TO CHECK FOR CRACKS & UNEVENNESS. FLOAT FLOORS FOR PROPER INSTALLATIONS OF FLOOR FINISHES AS REQ'D. CONTRACTOR SHALL INCLUDE ALL COSTS TO PROPERLY PREPARE SLAB FOR SPECIFIED FINISH.
- NO SUBSTITUTIONS OF FINISHES SHALL BE MADE W/OUT PRIOR WRITTEN APPROVAL FROM ARCHITECT.
- PAINT INSIDE FACE OF ANY LIGHT COVERS. FLAT FINISH.
- ALL DRIVALL CEILINGS SHALL BE PREPARED TO RECEIVE FLAT LATEX PAINT FINISH WITHOUT ANY APPARENT SEAMS OR IMPERFECTIONS.
- CABINET SUB CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISHES ON CABINETRY AS SHOWN ON MILLWORK PLANS.
- WASH ALL REMAINING FLOORING.
- INTERIOR FINISH SHALL BE PROVIDED IN ACCORDANCE TO TITLE 24, SECTION 804, AS FOLLOWS: CLASS I-VERTICAL ENCLOSURES; CLASS II-CORRIDORS; CLASS III-ROOMS. ALL DRAPES, HANGINGS, CURTAINS, DROPS AND ALL OTHER DECORATIVE MATERIAL TO COMPLY WITH FIRE CODE SECTION 1103.3.3.
- PROVIDE ANTI-GRAFFITI FINISH AT THE FIRST 9 FEET, MEASURED FROM GRADE, AT EXTERIOR WALLS AND DOORS. (PAINTED SURFACE - LARR #2560IT, UNFINISHED SURFACE - LARR #25286T)
- INTERIOR WALL AND CEILING FINISHES SHALL BE PROVIDED IN ACCORDANCE WITH BUILDING CODE 801 AND TABLE 803.3.
- CURTAINS, DRAPERIES, HANGINGS AND OTHER DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL MEET THE FLAME PROPAGATION PERFORMANCE CRITERIA OF NFPA 701, IN ACCORDANCE WITH BUILDING CODE 806.2 OR BE NONCOMBUSTIBLE. BUILDING CODE 806.1.
- ALL FLOORING TO BE SLIP-RESISTANT PER ADA CODE.
- TOILET ROOM FLOORS SHALL HAVE A SMOOTH, HARD NON ABSORBENT SURFACE SUCH AS PORTLAND CEMENT, CERAMIC TILE OR OTHER APPROVED MATERIAL THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 4" (1210.2.1).
- WALLS WITHIN 2 FEET (610 MM) OF THE FRONT AND SIDES OF URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD NON-ABSORBENT SURFACE OF PORTLAND CEMENT, CONCRETE, CERAMIC TILE OR OTHER SMOOTH, HARD NON-ABSORBENT SURFACE TO A HEIGHT OF 4 FEET (1219 MM), AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE. (1210.2.2)
- CEMENT, FIBER-CEMENT OR GLASS MATT GYPSUM BACKERS IN COMPLIANCE WITH ASTM C1178, C1288 OR C1325 SHALL BE USED AS A BASE FOR WALL TILE IN TUB AND SHOWER AREAS AND WALL AND CEILING PANELS IN SHOWER AREAS. WATER-RESISTANCE GYPSUM BACKING BOARD SHALL BE USED AS A BASE FOR TILE IN WATER CLOSET COMPARTMENT WALLS WHEN INSTALLED IN ACCORDANCE WITH GA-216 OR ASTM C840. REGULAR GYPSUM WALLBOARD IS PERMITTED UNDER TILE OR WALL PANELS IN OTHER WALL AND CEILING AREAS WHEN INSTALLED IN ACCORDANCE WITH GA-216 OR ASTM C840. WATER-RESISTANT GYPSUM BOARD SHALL NOT BE USED IN THE FOLLOWING LOCATIONS: SECTION 2506.1.
 - OVER A VAPOR RETARDER.
 - IN AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY SUCH AS SAUNAS, STEAM ROOMS OR GANG SHOWER ROOMS.
 - ON CEILINGS WHERE FRAME SPACING EXCEEDS 12 INCHES O.C. FOR 1/2 INCH THICK AND MORE THAN 16 INCHES O.C. FOR 5/8 INCH THICK.
- EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL LIGHT BY MEANS OF EXTERIOR GLAZED OPENINGS IN ACCORDANCE WITH SECTION 1205.2 OR SHALL BE PROVIDED WITH ARTIFICIAL LIGHT THAT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 10 FOOT-CANDELES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL. (1205.1 AND 1205.3)
- ANY DECORATIONS SHALL BE NONCOMBUSTIBLE OR FLAME-RETARDANT TREATED IN AN APPROVED MANNER (CURTAINS, DRAPES, SHADES, HANGINGS, ETC) (LARC 57.22)

FINISH PLAN NOTES

- INTERIOR FINISH MATERIALS APPLIED TO WALL AND CEILING SHALL BE TESTED AS SPECIFIED IN SECTION 802. OF THE CBC.
- IN JANITOR CLOSET INSTALL FRP 48" AFF AROUND MOP SINK, AND IN ALL WALL AROUND IT
- PROVIDE A LEVEL "S" SMOOTH FINISH FOR ALL DRYWALL
- PROVIDE A LEVEL "S" SMOOTH FINISH FOR ALL DRYWALL
- EXTERIOR STUCCO TO BE TROWEL APPLIED. PROVIDE DUNNE EDWARDS ENDURAELASTIC 10 ELASTOMERIC FLAT FINISH PRIOR TO APPLYING FINAL ACRIBOND FLAT PAINT COLOR.

CA GREEN CODE NOTES

- ENVIRONMENTAL QUALITY
- IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, PROVIDE RETURN AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8, BASED ON ASHRAE 52.2-1999, OR AN AVERAGE EFFICIENCY OF 30 PERCENT, BASED ON ASHRAE 52.1-1992. REPLACE ALL FILTERS PRIOR TO OCCUPANCY OTR AT THE CONCLUSION OF CONSTRUCTION.
 - AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL, OR OTHER ACCEPTABLE METHODS TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM. (5.504.3)
 - PROVIDE FINISH PLAN COMPLYING WITH THE FOLLOWING:
 - ADHESIVES, SEALANTS AND CAULKS, PAINTS AND COATINGS, AND AEROSOL PAINTS AND COATINGS SHALL MEET OR EXCEED THE STANDARDS OUTLINED IN SECTIONS 5.504.4.1, 5.504.4.3, AND 5.504.4.3.1 RESPECTIVELY. VERIFICATION OF COMPLIANCE WITH THESE SECTIONS MUST BE PROVIDED AT THE TIME OF INSPECTION.
 - ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FOLLOWING: (5.504.4.4)
 - CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM OR
 - CALIFORNIA DEPARTMENT OF PUBLIC HEALTH STANDARD PRACTICE FOR THE TESTING OF VOC'S (SPEC 01350) OR
 - NSF/ANSI 140 AT THE GOLD LEVEL OR
 - SCIENTIFIC CERTIFICATIONS SYSTEMS SUSTAINABLE CHOICE
 - ALL CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM. CARPET ADHESIVES SHALL NOT EXCEED A VOC LIMIT OF 50 G/L. (5.504.4.4.1, 5.504.4.4.2)
 - COMPOSITE WOOD PRODUCTS (HARDWOOD PLYWOOD, PARTICLE BOARD, AND MDF COMPOSITE WOOD) INSTALLED ON THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET OR EXCEED THE STANDARDS OUTLINED IN TABLE 5.504.4.5. (5.504.4.5)
 - MINIMUM OF 50% OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH THE VOC EMISSION LIMITS DEFINED IN THE CHPS LOW-EMITTING MATERIALS LIST OR CERTIFIED UNDER THE RFCI FLOORSCORE PROGRAM. VERIFICATION OF COMPLIANCE WITH THESE SECTIONS MUST BE PROVIDED AT THE TIME OF INSPECTION. (5.504.4.6)



SK-018A-R
REF. TRN-093
FIRST FLOOR FINISH PLAN
2/27/2019

FIRST FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

- FINISH SPECIFICATIONS:**
- PAINT- INTERIOR**
- MFG.: DUNN EDWARDS
COLOR: DE641 SWISS COFFEE
FINISH: SEMI GLOSS
LOCATION: FIELD - CLASSROOMS
 - MFG.: MONOCHEM- DRY ERASE
COLOR: DE641 SWISS COFFEE
FINISH: PIGMENTED GLOSS(5660)
LOCATION: ACCENT- WHERE IS SPECIFIED
 - MFG.: DUNN EDWARDS
COLOR: DE5787 PACIFIC PALISADE
FINISH: SEMI GLOSS
LOCATION: ACCENT- WHERE IS SPECIFIED
 - MFG.: DUNN EDWARDS
COLOR: DE5055 MERLOT
FINISH: SEMI GLOSS
LOCATION: ACCENT- WHERE IS SPECIFIED
 - MFG.: DUNN EDWARDS
COLOR: DE1625 RECLAIMED WOOD
FINISH: SEMI GLOSS
LOCATION: ACCENT- RESTROOMS

- PAINT- EXTERIOR**
SEE ELEVATION PLANS FOR COLOR SPEC/LOCATION
- RUBBER BASE**
- MFG.: BURKE
TYPE: 4" COVDED
COLOR: 860 ROCKY
LOCATION: THROUGHOUT (U.O.N)
- PLASTIC LAMINATE**
- MFG.: FORMICA
COLOR: 86992-58 HARDROCK MAPLE
FINISH: MATE
LOCATION: UPPER & LOWER CABINET WHERE SPECIFIED
 - MFG.: FORMICA
COLOR: 8821-58 JUST BLUE
FINISH: MATE
LOCATION: UPPER & LOWER CABINET WHERE SPECIFIED
- QUARTZ STONE**
- MFG.: PENTAL QUARTZ
TYPE: 3/4" SLAB
COLOR: B08812P JAVA NOIR POLISHED
BACKSLASH: " ALL WAY AROUND COUNTER
LOCATION: SEE CABINETWORK SHEETS
 - MFG.: PENTAL QUARTZ
TYPE: 3/4" SLAB
COLOR: B08806P HILAND POLISHED
BACKSLASH: " ALL WAY AROUND COUNTER
LOCATION: SEE CABINETWORK SHEETS

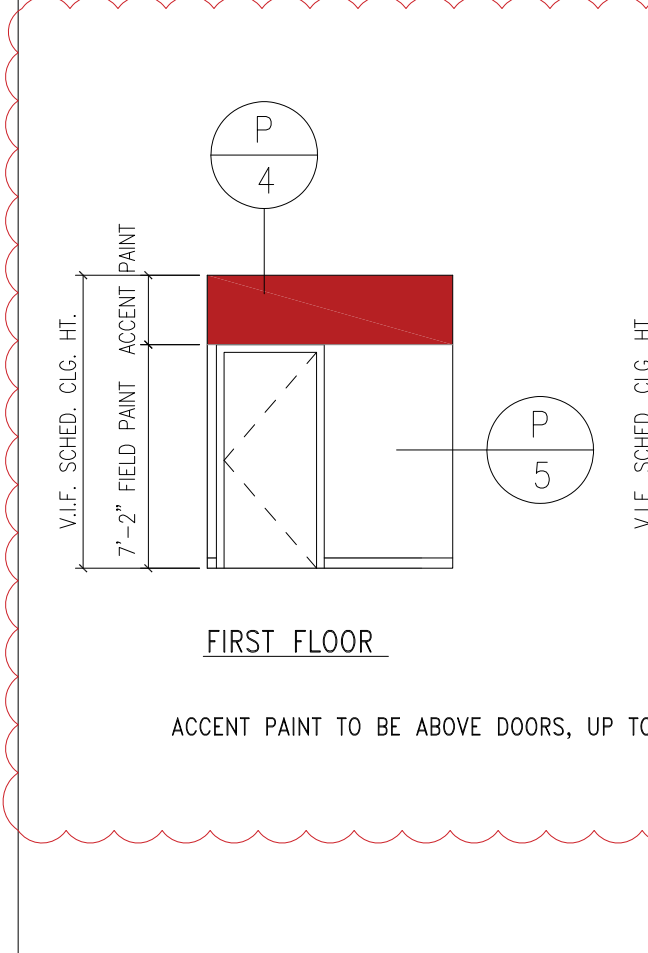
- VINYL COMPOSITION TILE**
- MFG.: ARMSTRONG- STANDARD EXCELON
COLOR: 51927 FIELD GRAY
SIZE: 12"x12"
LOCATION: FIELD THROUGHOUT (U.O.N.)
 - MFG.: ARMSTRONG- IMPERIAL TEXTURE
COLOR: 51915 CHARCOAL
SIZE: 12"x12"
LOCATION: ACCENT
 - MFG.: ARMSTRONG- MULTICOLOR
COLOR: 52517 JESTER RED
SIZE: 12"x12"
LOCATION: ACCENT
 - MFG.: ARMSTRONG- IMPERIAL TEXTURE
COLOR: 57508 BLUE DREAM
SIZE: 12"x12"
LOCATION: ACCENT
 - MFG.: ARMSTRONG- IMPERIAL TEXTURE
COLOR: 51966 LITTLE GREEN APPLE
SIZE: 12"x12"
LOCATION: ACCENT

- FIBERGLASS REINFORCED PANEL**
- MFG.: KOROGUARD PROTECTIVE SHEET WALLCOVERING
COLOR: LIGHT GRAY
THICKNESS: 0.060"
LOCATION: JANITOR'S CLOSET RMS. #124 & #221 BEHIND MOP SINKS & 48" AFF. AND ALL WALLS
- CERAMIC TILE (WALLS)**
- MFG.: DALTILE
TYPE: SEMI-GLOSS
COLOR: 0195 ALMOND (1)
SIZE: 4" X 4"
LOCATION: RESTROOM WALLS (FIELD)
 - MFG.: DALTILE
TYPE: SEMI-GLOSS
COLOR: 0169-WATERFALL (1)
SIZE: 4" X 4"
LOCATION: RESTROOM WALLS (ACCENT)
 - MFG.: DALTILE
TYPE: SEMI-GLOSS
COLOR: 0092 CORAL BEAD (4)
SIZE: 4" X 4"
LOCATION: RESTROOM WALLS (ACCENT)
 - MFG.: DALTILE
TYPE: SEMI-GLOSS
COLOR: 010 SHELL GRAY
STYLE: ENDURA FLECKSHILES ONE STEP TREAD RISER
VISUALLY IMPAIRED COLOR: BRICK
LOCATION: ALL INTERIOR STAIR TREAD/RISER/LANDING

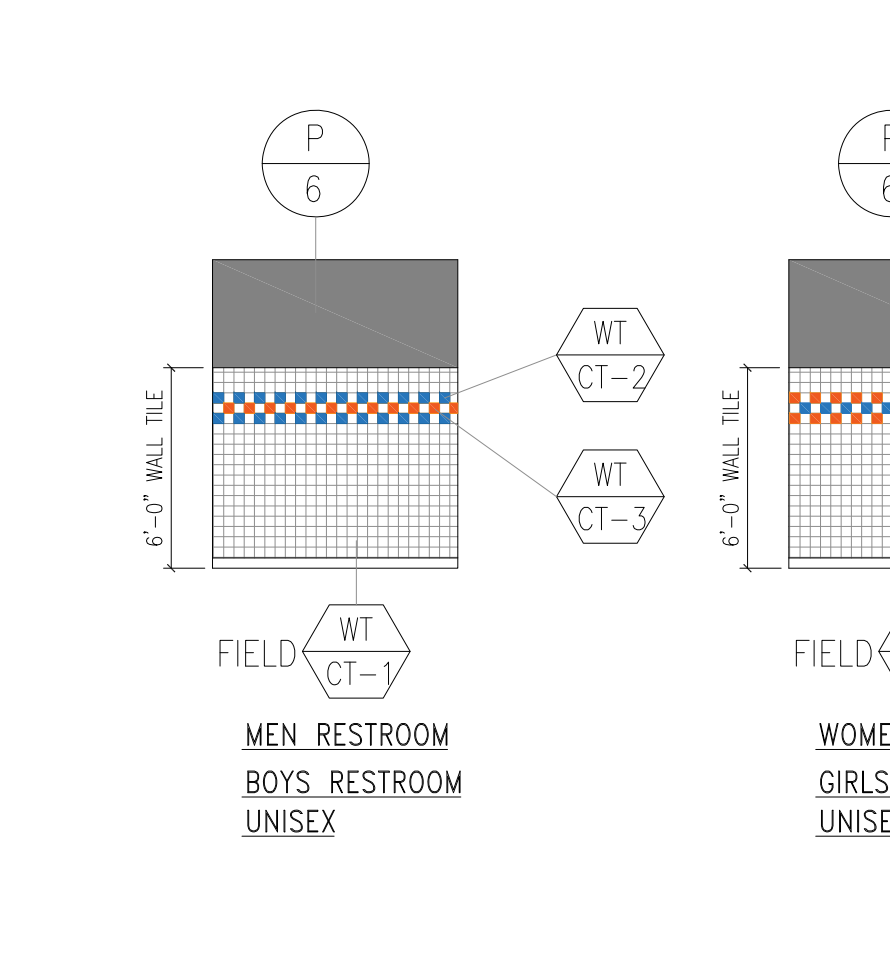
- CERAMIC TILE BASE**
- MFG.: DALTILE
TYPE: KEYSTONE
COLOR: D208 SUDE GRAY SPECKLE
BUILT UP BASE MB-58
SIZE: 2" X 2"
LOCATION: RESTROOM WALLS
- CERAMIC TILE (FLOOR)**
- MFG.: DALTILE
TYPE: KEYSTONE
COLOR: D208 SUDE GRAY SPECKLE
SIZE: 2" X 2"
LOCATION: RESTROOM FLOORS
- TILE GROUT**
- MFG.: CUSTOM BUILDING PRODUCTS
COLOR: #101 QUARTZ
LOCATION: WALLS
 - MFG.: CUSTOM BUILDING PRODUCTS
COLOR: #19 PEWTER
LOCATION: FLOOR & WALL BASE ONLY

- STAIR TREAD/RISER/LANDING**
- MFG.: BURKE UNI-STEP STAIR SYSTEM
COLOR: 010 SHELL GRAY
STYLE: ENDURA FLECKSHILES ONE STEP TREAD RISER
VISUALLY IMPAIRED COLOR: BRICK
LOCATION: ALL INTERIOR STAIR TREAD/RISER/LANDING

TYPICAL CORRIDOR WALLS



RESTROOM WALL DESIGN DETAIL- TYPICAL





SK-018B-R
REF. TRN-093
SECOND FLOOR FINISH PLAN
2/27/2019

SECOND FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

FINISH NOTES

- CONTRACTOR SHALL SUBMIT 8"x8" SAMPLES OF ALL FINISHES TO ARCHITECT FOR APPROVAL AT LEAST 2 WEEKS PRIOR TO INSTALL.
- CONTRACTOR SHALL FOLLOW ALL MANUFACTURERS RECOMMENDATIONS & INSTRUCTIONS FOR THE INSTALL OF ANY FINISHES OR PRODUCTS.
- ALL MATERIAL AND ITS INSTALLATION SHALL COMPLY W/ ALL BUILDING FIRE & ADA CODES IN EFFECT IN THE CITY OF LOS ANGELES.
- U.O.N. ALL ACCESS DOORS & PANELS SHALL BE PAINTED TO MATCH ADJ. SURFACE COLOR & FINISH.
- G.C. AND THEIR SUBS SHALL BE RESPONSIBLE FOR ANY WALLCOVERING INSTALLATIONS.
- ALL PRIMING & OR SIZING OF WALLS TO RECEIVE WALLCOVERING SHALL BE DONE BY THE SUB CONTRACTOR INSTALLING THE WALLCOVERING.
- CONTRACTOR SHALL SUBMIT A CARPET SEAMING DIAGRAM & DIRECTION OF CARPET TO ARCHITECT AT LEAST 2 WEEKS PRIOR TO INSTALL.
- FLOORING SUB SHALL PRE-INSPECT EXIST. FLOOR SLAB TO CHECK FOR CRACKS & UNEVENNESS. FLOAT FLOORS FOR PROPER INSTALLATIONS OF FLOOR FINISHES AS REQ'D. CONTRACTOR SHALL INCLUDE ALL COSTS TO PROPERLY PREPARE SLAB FOR SPECIFIED FINISH.
- NO SUBSTITUTIONS OF FINISHES SHALL BE MADE W/OUT PRIOR WRITTEN APPROVAL FROM ARCHITECT.
- PAINT INSIDE FACE OF ANY LIGHT COVERS. FLAT FINISH.
- ALL DRYWALL CEILINGS SHALL BE PREPARED TO RECEIVE FLAT LATEX PAINT FINISH WITHOUT ANY APPARENT SEAMS OR IMPERFECTIONS.
- CABINET SUB CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISHES ON CABINETS AS SHOWN ON MILLWORK PLANS.
- WASH ALL REMAINING FLOORING.
- INTERIOR FINISH SHALL BE PROVIDED IN ACCORDANCE TO TITLE 24, SECTION 804, AS FOLLOWS: CLASS I-VERTICAL ENCLOSURES; CLASS II-CORRIDORS; CLASS III-ROOMS. ALL DRAPES, HANGINGS, CURTAINS, DROPS AND ALL OTHER DECORATIVE MATERIAL TO COMPLY WITH FIRE CODE SECTION 1103.3.3.
- PROVIDE ANTI-GRAFFITI FINISH AT THE FIRST 9 FEET, MEASURED FROM GRADE, AT EXTERIOR WALLS AND DOORS. (PAINTED SURFACE - LARR #2560IT, UNFINISHED SURFACE - LARR #25286T)
- INTERIOR WALL AND CEILING FINISHES SHALL BE PROVIDED IN ACCORDANCE WITH BUILDING CODE 801 AND TABLE 803.3.
- CURTAINS, DRAPERIES, HANGINGS AND OTHER DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL MEET THE FLAME PROPAGATION PERFORMANCE CRITERIA OF NFPA 701, IN ACCORDANCE WITH BUILDING CODE 806.2 OR BE NONCOMBUSTIBLE. BUILDING CODE 806.1.
- ALL FLOORING TO BE SLIP-RESISTANT PER ADA CODE.
- TOILET ROOM FLOORS SHALL HAVE A SMOOTH, HARD NON ABSORBENT SURFACE SUCH AS PORTLAND CEMENT, CERAMIC TILE OR OTHER APPROVED MATERIAL THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 4" (1210.2.1)
- WALLS WITHIN 2 FEET (610 MM) OF THE FRONT AND SIDES OF URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD NON-ABSORBENT SURFACE OF PORTLAND CEMENT, CONCRETE, CERAMIC TILE OR OTHER SMOOTH, HARD NON-ABSORBENT SURFACE TO A HEIGHT OF 4 FEET (1219 MM), AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE. (1210.2.2)
- CEMENT, FIBER-CEMENT OR GLASS MAT GYPSUM BACKERS IN COMPLIANCE WITH ASTM C1178, C1288 OR C1325 SHALL BE USED AS A BASE FOR WALL TILE IN TUB AND SHOWER AREAS AND WALL AND CEILING PANELS IN SHOWER AREAS. WATER-RESISTANCE GYPSUM BACKING BOARD SHALL BE USED AS A BASE FOR TILE IN WATER CLOSET COMPARTMENT WALLS WHEN INSTALLED IN ACCORDANCE WITH GA-216 OR ASTM C840. REGULAR GYPSUM WALLBOARD IS PERMITTED UNDER TILE OR WALL PANELS IN OTHER WALL AND CEILING AREAS WHEN INSTALLED IN ACCORDANCE WITH GA-216 OR ASTM C840. WATER-RESISTANT GYPSUM BOARD SHALL NOT BE USED IN THE FOLLOWING LOCATIONS: SECTION 2506.1.
 - OVER A VAPOR RETARDER.
 - IN AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY SUCH AS SAUNAS, STEAM ROOMS OR GANG SHOWER ROOMS.
 - ON CEILING WHERE FRAME SPACING EXCEEDS 12 INCHES O.C. FOR 1/2 INCH THICK AND MORE THAN 16 INCHES O.C. FOR 5/8 INCH THICK.
- EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL LIGHT BY MEANS OF EXTERIOR GLAZED OPENINGS IN ACCORDANCE WITH SECTION 1205.2 OR SHALL BE PROVIDED WITH ARTIFICIAL LIGHT THAT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 10 FOOT-CANDELES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL. (1205.1 AND 1205.3)
- ANY DECORATIONS SHALL BE NONCOMBUSTIBLE OR FLAME-RETARDANT TREATED IN AN APPROVED MANNER (CURTAINS, DRAPES, SHADES, HANGINGS, ETC) (LARC 57.22)

FINISH PLAN NOTES

- INTERIOR FINISH MATERIALS APPLIED TO WALL AND CEILINGS SHALL BE TESTED AS SPECIFIED IN CBC SECTION 802.
- INTERIOR FINISH MATERIALS APPLIED TO WALL AND CEILING SHALL BE TESTED AS SPECIFIED IN SECTION 802. OF THE CBC.
- IN JANITOR CLOSET INSTALL FRP 48" AFF AROUND MOP SINK, AND IN ALL WALL AROUND IT
- PROVIDE A LEVEL "S" SMOOTH FINISH FOR ALL DRYWALL
- PROVIDE A LEVEL "S" SMOOTH FINISH FOR ALL DRYWALL
- EXTERIOR STUCCO TO BE TROWEL APPLIED. PROVIDE DUNNE EDWARDS ENDURALASTIC 10 ELASTOMERIC FLAT FINISH PRIOR TO APPLYING FINAL ACRIBOND FLAT PAINT COLOR.

CA GREEN CODE NOTES

- ENVIRONMENTAL QUALITY**
- IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, PROVIDE RETURN AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8, BASED ON ASHRAE 52.2-1999, OR AN AVERAGE EFFICIENCY OF 50 PERCENT, BASED ON ASHRAE 52.1-1992. REPLACE ALL FILTERS PRIOR TO OCCUPANCY OTR AT THE CONCLUSION OF CONSTRUCTION.
 - AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL, OR OTHER ACCEPTABLE METHODS TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM. (5.504.3)
 - PROVIDE FINISH PLAN COMPLYING WITH THE FOLLOWING:
 - ADHESIVES, SEALANTS AND CAULKS, PAINTS AND COATINGS, AND AEROSOL PAINTS AND COATINGS SHALL MEET OR EXCEED THE STANDARDS OUTLINED IN SECTIONS 5.504.4.1, 5.504.4.3, AND 5.504.4.3.1 RESPECTIVELY. VERIFICATION OF COMPLIANCE WITH THESE SECTIONS MUST BE PROVIDED AT THE TIME OF INSPECTION.
 - ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FOLLOWING: (5.504.4.4)
 - CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM OR
 - CALIFORNIA DEPARTMENT OF PUBLIC HEALTH STANDARD PRACTICE FOR THE TESTING OF VOC'S (SPEC 01350) OR
 - NSF/ANSI 140 AT THE GOLD LEVEL OR
 - SCIENTIFIC CERTIFICATIONS SYSTEMS SUSTAINABLE CHOICE
 - ALL CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM. CARPET ADHESIVES SHALL NOT EXCEED A VOC LIMIT OF 50 G/L. (5.504.4.4.1, 5.504.4.4.2)
 - COMPOSITE WOOD PRODUCTS (HARDWOOD PLYWOOD, PARTICLE BOARD, AND MDF COMPOSITE WOOD) INSTALLED ON THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET OR EXCEED THE STANDARDS OUTLINED IN TABLE 5.504.4.5. (5.504.4.5)
 - MINIMUM OF 50% OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH THE VOC EMISSION LIMITS DEFINED IN THE CHIPS LOW-EMITTING MATERIALS LIST OR CERTIFIED UNDER THE RFCI FLOORSCORE PROGRAM. VERIFICATION OF COMPLIANCE WITH THESE SECTIONS MUST BE PROVIDED AT THE TIME OF INSPECTION. (5.504.4.6)

- FINISH SPECIFICATIONS:**
- PAINT - INTERIOR**
- 1. MFG: DUNN EDWARDS
COLOR: DENW341 SWISS COFFEE
FINISH: SEMI GLOSS
LOCATION: FIELD - CLASSROOMS
 - 2. MFG: MONOCHEM - DRY ERASE
COLOR: DENW341 SWISS COFFEE
FINISH: PRIMEATED GLOSS(GRO)
LOCATION: ACCENT - WHERE IS SPECIFIED
 - 3. MFG: DUNN EDWARDS
COLOR: DE5787 PACIFIC PALISADE
FINISH: SEMI GLOSS
LOCATION: ACCENT - WHERE IS SPECIFIED
 - 4. MFG: DUNN EDWARDS
COLOR: DE5055 MERLOT
FINISH: SEMI GLOSS
LOCATION: ACCENT - WHERE IS SPECIFIED
 - 5. MFG: DUNN EDWARDS
COLOR: DE6381 RECLAIMED WOOD
FINISH: SEMI GLOSS
LOCATION: FIELD - CORRIDORS
 - 6. MFG: DUNN EDWARDS
COLOR: DE6381 SILVER BULLET
FINISH: SEMI GLOSS
LOCATION: ACCENT - RESTROOMS
- PAINT - EXTERIOR**
- SEE ELEVATION PLANS FOR COLOR SPEC/LOCATION

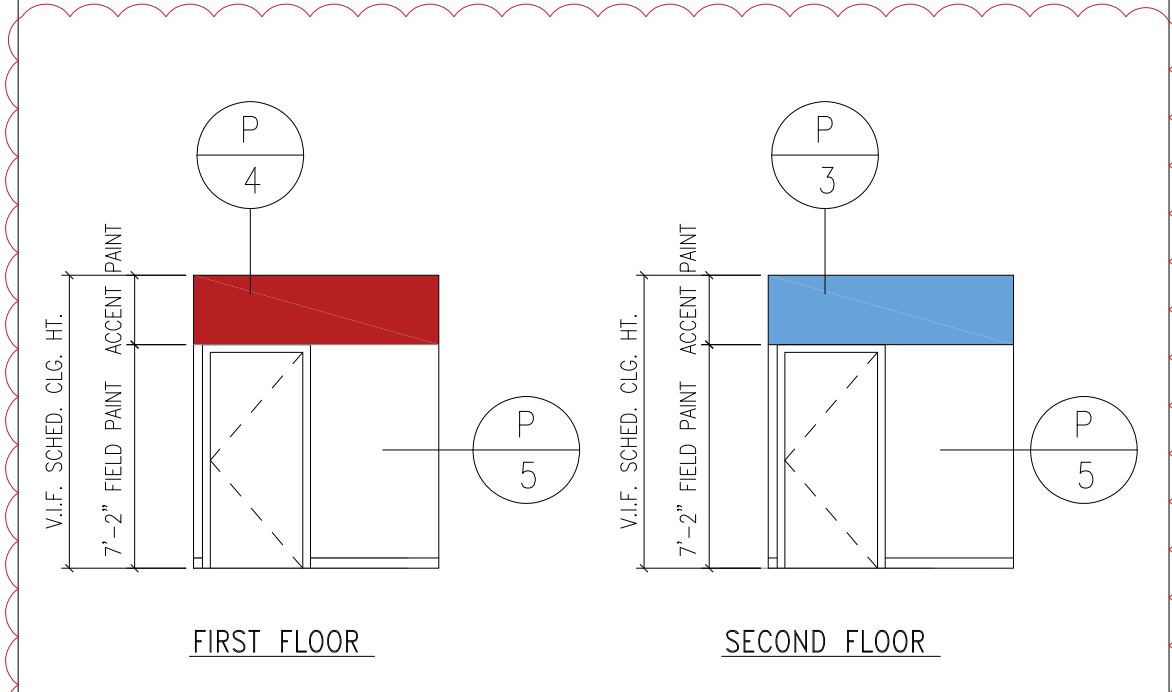
- RUBBER BASE**
- RB-1 MFG: BURKE
TYPE: 4" OVEDED
COLOR: 660 ROCKY
LOCATION: THROUGHOUT (U.O.N)
- PLASTIC LAMINATE**
- PL-1 MFG: FORMICA
COLOR: 86892-58 HARDROCK MAPLE
FINISH: MATE
LOCATION: UPPER & LOWER CABINET WHERE SPECIFIED
- PL-2 MFG: FORMICA
COLOR: 8821-58 JUST BLUE
FINISH: MATE
LOCATION: UPPER & LOWER CABINET WHERE SPECIFIED
- QUARTZ STONE**
- QS-1 MFG: PENTAL QUARTZ
TYPE: 3/4" SLAB
COLOR: B08812P JAVA NOIR POLISHED
BACKSLASH: " ALL WAY AROUND COUNTER
LOCATION: UPPER & LOWER CABINET SHEETS
- QS-2 MFG: PENTAL QUARTZ
TYPE: 3/4" SLAB
COLOR: B08806P HILAND POLISHED
BACKSLASH: " ALL WAY AROUND COUNTER
LOCATION: SEE CABINETWORK SHEETS

- VINYL COMPOSITION TILE**
- VT-1 MFG: ARMSTRONG - STANDARD EXCELON
COLOR: 51927 FIELD GRAY
SIZE: 12"x12"
LOCATION: THROUGHOUT (U.O.N)
- (RANDOM ACCENT 7% TOTAL)
- VT-2 MFG: ARMSTRONG - IMPERIAL TEXTURE
COLOR: 51915 CHARCOAL
SIZE: 12"x12"
LOCATION: ACCENT 7% RANDOM
- VT-3 MFG: ARMSTRONG - MULTICOLOR
COLOR: 52517 JESTER RED
SIZE: 12"x12"
LOCATION: ACCENT 7% RANDOM
- VT-4 MFG: ARMSTRONG - IMPERIAL TEXTURE
COLOR: 57508 BLUE DREAM
SIZE: 12"x12"
LOCATION: ACCENT 7% RANDOM
- VT-5 MFG: ARMSTRONG - IMPERIAL TEXTURE
COLOR: 51866 LITTLE GREEN APPLE
SIZE: 12"x12"
LOCATION: ACCENT

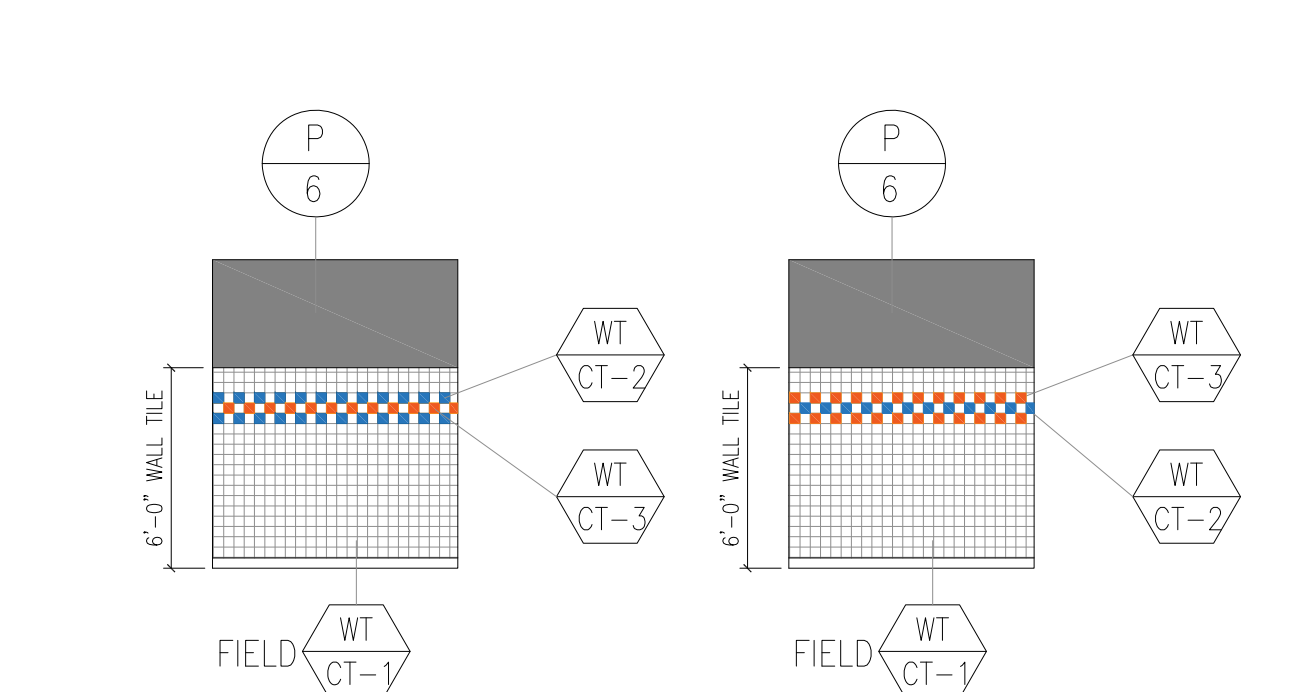
- FIBERGLASS REINFORCED PANEL**
- FRP-1 MFG: KOROGUARD PROTECTIVE SHEET WALLCOVERING
COLOR: LIGHT GRAY
THICKNESS: 0.060"
LOCATION: JANITOR CLOSET SHEET #124 & #221 BEHIND MOP SINKS & 48" AFF. AND ALL WALLS
- CERAMIC TILE (WALLS)**
- WT-1 MFG: DALTILE
TYPE: SEMI-GLOSS
COLOR: 0193 ALMOND (1)
SIZE: 4" X 4"
LOCATION: RESTROOM WALLS (FIELD)
- WT-2 MFG: DALTILE
TYPE: SEMI-GLOSS
COLOR: 0169-WATERFALL (1)
SIZE: 4" X 4"
LOCATION: RESTROOM WALLS (ACCENT)
- WT-3 MFG: DALTILE
TYPE: SEMI-GLOSS
COLOR: 0092 CORAL BEAD (4)
SIZE: 4" X 4"
LOCATION: RESTROOM WALLS (ACCENT)
- WT-4 MFG: DALTILE
TYPE: SEMI-GLOSS
COLOR: 01866 LITTLE GREEN APPLE
SIZE: 4" X 4"
LOCATION: RESTROOM WALLS (ACCENT)
- WT-5 MFG: DALTILE
TYPE: SEMI-GLOSS
COLOR: 0193 ALMOND (1)
SIZE: 4" X 4"
LOCATION: RESTROOM WALLS (ACCENT)

- CERAMIC TILE BASE**
- BT MFG: DALTILE
TYPE: KEYSTONES
COLOR: D208 SUEDE GRAY SPECKLE
BUILT UP BASE MB-58
SIZE: 2' X 2'
LOCATION: RESTROOM WALLS
- CERAMIC TILE (FLOOR)**
- CT-1 MFG: DALTILE
TYPE: KEYSTONES
COLOR: D208 SUEDE GRAY SPECKLE
SIZE: 2' X 2'
LOCATION: RESTROOM FLOORS
- TILE GROUT**
- MFG: CUSTOM BUILDING PRODUCTS
COLOR: #101 QUARTZ
LOCATION: WALLS
- MFG: CUSTOM BUILDING PRODUCTS
COLOR: #19 PEWTER
LOCATION: FLOOR & WALL BASE ONLY
- STAIR TREAD/RISER/LANDING**
- TRF-1 MFG: BURCON
COLOR: FLAT BLACK ONYX
LOCATION: CHEMISTRY TEACHER DEMONSTRATION DESK

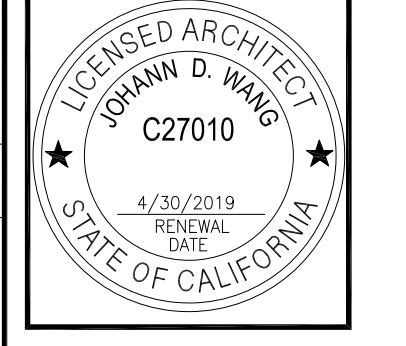
TYPICAL CORRIDOR WALLS



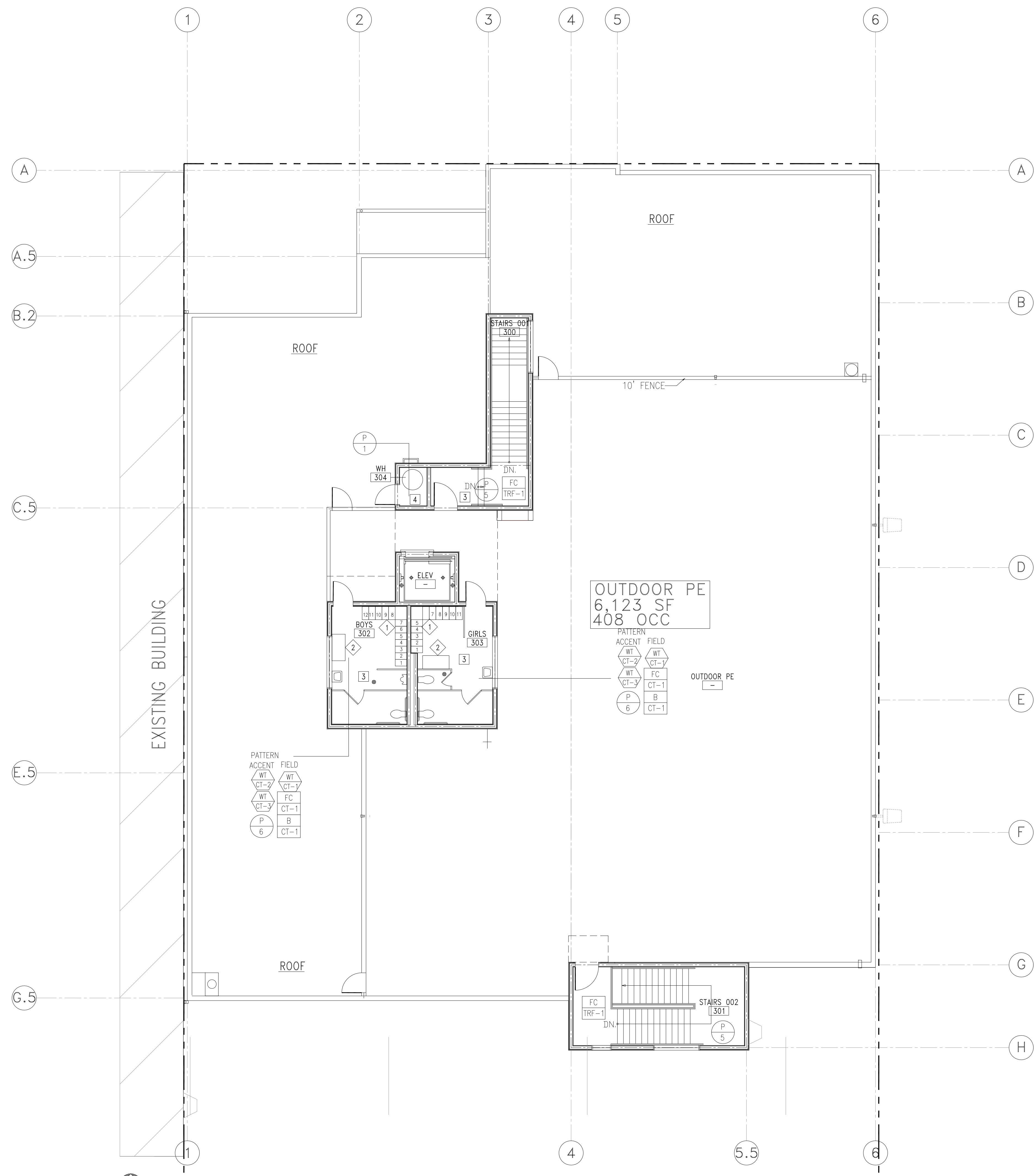
RESTROOM WALL DESIGN DETAIL- TYPICAL



REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2019
2	PD PLAN CHECK	10/31/2019
3	PD PLAN CHECK	12/14/2019



PROJECT		MAGNOLIA SCIENCE ACADEMY	
PROJECT ADDRESS		18220 SHERMAN WAY, RESEDA, CA 91335	
DESIGN TITLE	DATE	DATE	DATE
SECOND FLOOR FINISH PLAN	02/28/2019		
DRAWN BY	SCALE	DATE	DATE
	AS NOTED		
PROJECT NO.	DATE	DATE	DATE



ROOF FINISH PLAN
SCALE: 1/8" = 1'-0"

FINISH SPECIFICATIONS:
PAINT—INTERIOR

P 3 MFG: DUNN EDWARDS
COLOR: DEW341 SWISS COFFEE
FINISH: SEMI GLOSS
LOCATION: WHERE IS SPECIFIED

P 5 MFG: DUNN EDWARDS
COLOR: DE6381 SILVER BULLET
FINISH: SEMI GLOSS
LOCATION: ACCENT—RESTROOMS

RUBBER BASE
MFG: BURKE
TYPE: 4" COVERED
COLOR: 660 ROCKY
LOCATION: THROUGHOUT (U.O.N.)

VINYL COMPOSITION TILE
MFG: ARMSTRONG—STANDARD EXCELON
COLOR: 51927 FIELD GRAY
SIZE: 12"x12"
LOCATION: FIELD THROUGHOUT (U.O.N.)

CERAMIC TILE (WALLS)
MFG: DALTILE
TYPE: SEMI-GLOSS
COLOR: 0156 ALMOND (1)
SIZE: 4" x 4"
LOCATION: RESTROOM WALLS (FIELD)

MFG: DALTILE
TYPE: SEMI-GLOSS
COLOR: 016B-WATERFALL (1)
SIZE: 4" x 4"
LOCATION: RESTROOM WALLS (ACCENT)
SEE RESTROOM TILE PATTERN ELEVATION

MFG: DALTILE
TYPE: SEMI-GLOSS
COLOR: 0092 CORAL BEAD (4)
SIZE: 4" x 4"
LOCATION: RESTROOM WALLS (ACCENT)
SEE RESTROOM TILE PATTERN ELEVATION

CERAMIC TILE BASE
MFG: DALTILE
TYPE: KEYSTONES
COLOR: D208 SWIIDE GRAY SPECKLE
BUILT UP BASE MB-08
SIZE: 2' x 2'
LOCATION: RESTROOM WALLS

CERAMIC TILE (FLOOR)
MFG: DALTILE
TYPE: KEYSTONES
COLOR: D208 SWIIDE GRAY SPECKLE
SIZE: 2' x 2'
LOCATION: RESTROOM FLOORS

TILE GROUT
MFG: CUSTOM BUILDING PRODUCTS
COLOR: #101 QUARTZ
LOCATION: WALLS

MFG: CUSTOM BUILDING PRODUCTS
COLOR: #15 PEWTER
LOCATION: FLOOR & WALL BASE ONLY

STAIR TREAD/RISER/LANDING
MFG: BURKE UNI-STEP STAIR SYSTEM
COLOR: 010 SHELL GRAY
STYLE: ENDURA FLECKSIBLES ONE STEP TREAD RISER
VISUALLY IMPAIRED COLOR: BRICK
LOCATION: ALL INTERIOR STAIR TREAD/RISER/LANDING

LOCKER/BENCH SPECS:

1 MANUFACTURER: HADRIAN
TYPE: FOUR TIER ATHLETIC LOCKERS—72 HIGH
DIMENSION: 12"W x 21"D
MODEL #/COLOR: 609 COLONIAL BLUE FOR BOYS (07Y.12) / 607 BORDEAUX FOR GIRLS (07Y.11)
OPTION: EXPANSION TUB, FLAT TOP CORNER FILLER, DRESS ENDS
INDIVIDUAL GALVANNEAL BOX BASES

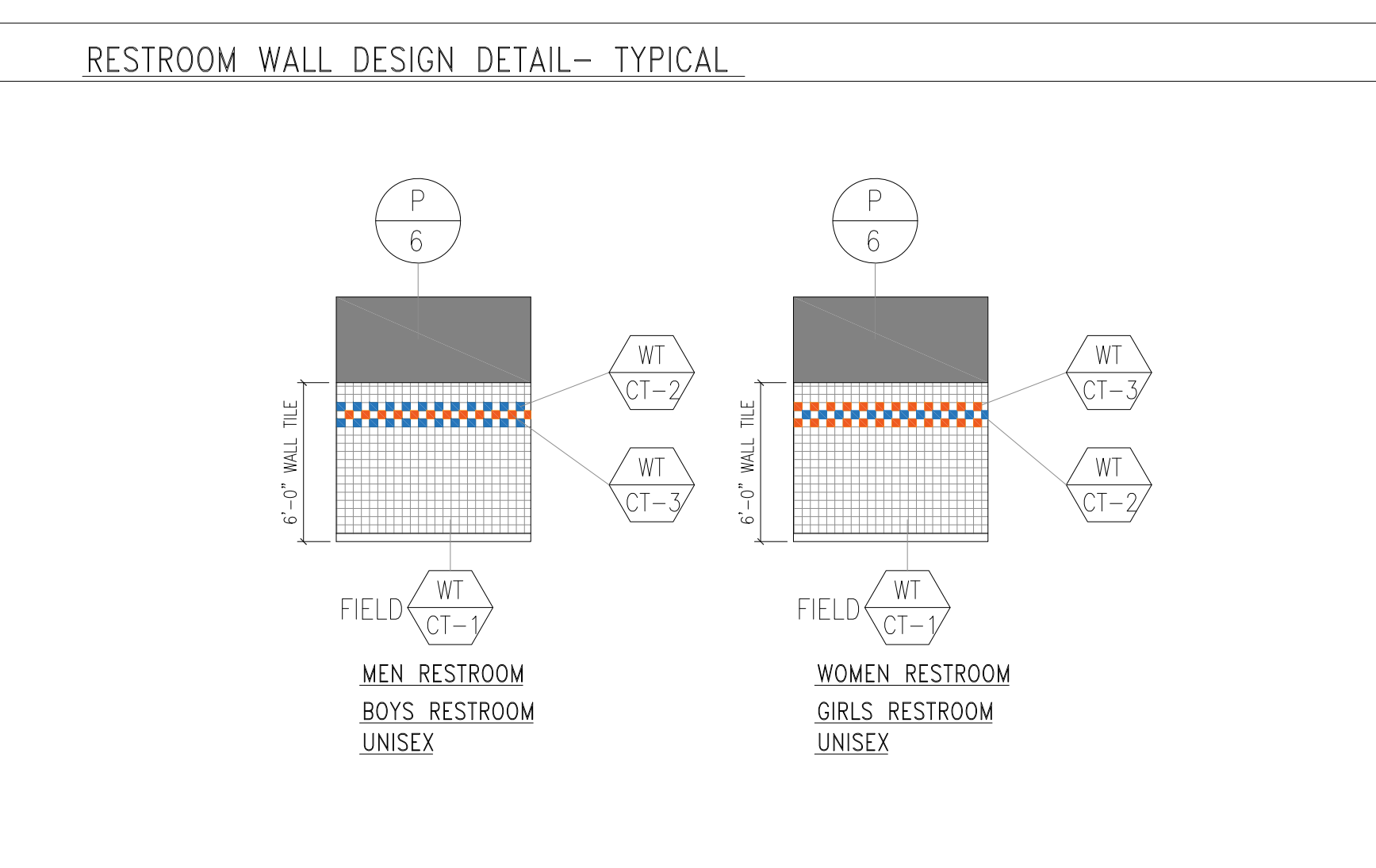
2 MANUFACTURER: HADRIAN
TYPE: ADA BENCH OPTION
DIMENSION: 48"L x 24"W
HARDWARE: STATIONARY

SK-018C-R
REF. TRN-093
ROOF FINISH PLAN
2/27/2019

- FINISH NOTES**
- CONTRACTOR SHALL SUBMIT 8"x8" SAMPLES OF ALL FINISHES TO ARCHITECT FOR APPROVAL AT LEAST 2 WEEKS PRIOR TO INSTALL.
 - CONTRACTOR SHALL FOLLOW ALL MANUFACTURERS RECOMMENDATIONS & INSTRUCTIONS FOR THE INSTALL. OF ANY FINISHES OR PRODUCTS.
 - ALL MATERIAL AND ITS INSTALLATION SHALL COMPLY W/ ALL BUILDING FIRE & ADA CODES IN EFFECT IN THE CITY OF LOS ANGELES.
 - U.O.N. ALL ACCESS DOORS & PANELS SHALL BE PAINTED TO MATCH ADJ. SURFACE COLOR & FINISH.
 - G.C. AND THEIR SUBS SHALL BE RESPONSIBLE FOR ANY WALLCOVERING INSTALLATIONS.
 - ALL PRIMING & OR SIZING OF WALLS TO RECEIVE WALLCOVERING SHALL BE DONE BY THE SUB CONTRACTOR INSTALLING THE WALLCOVERING.
 - CONTRACTOR SHALL SUBMIT A CARPET SEAMING DIAGRAM & DIRECTION OF CARPET TO ARCHITECT AT LEAST 2 WEEKS PRIOR TO INSTALL.
 - FLOORING SUB SHALL PRE-INSPECT EXIST. FLOOR SLAB TO CHECK FOR CRACKS & UNEVENNESS. FLOAT FLOORS FOR PROPER INSTALLATIONS OF FLOOR FINISHES AS REQD. CONTRACTOR SHALL INCLUDE ALL COSTS TO PROPERLY PREPARE SLAB FOR SPECIFIED FINISH.
 - NO SUBSTITUTIONS OF FINISHES SHALL BE MADE W/O PRIOR WRITTEN APPROVAL FROM ARCHITECT.
 - PAINT INSIDE FACE OF ANY LIGHT COVERS. FLAT FINISH.
 - ALL DRYWALL CEILINGS SHALL BE PREPARED TO RECEIVE FLAT LATEX PAINT FINISH WITHOUT ANY APPARENT SEAMS OR IMPERFECTIONS.
 - CABINET SUB CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISHES ON CABINETRY AS SHOWN ON MILLWORK PLANS.
 - WASH ALL REMAINING FLOORING.
 - INTERIOR FINISH SHALL BE PROVIDED IN ACCORDANCE TO TITLE 24, SECTION 804, AS FOLLOWS: CLASS I—VERTICAL ENCLOSURES; CLASS II—CORRIDORS; CLASS III—ROOMS.
ALL DRAPES, HANGINGS, CURTAINS, DROPS AND ALL OTHER DECORATIVE MATERIAL TO COMPLY WITH FIRE CODE SECTION 1103.3.3.
 - PROVIDE ANTI-GRAFFITI FINISH AT THE FIRST 9 FEET, MEASURED FROM GRADE, AT EXTERIOR WALLS AND DOORS. (PAINTED SURFACE — LARR #2560IT, UNFINISHED SURFACE — LARR #25286T)
 - INTERIOR WALL AND CEILING FINISHES SHALL BE PROVIDED IN ACCORDANCE WITH BUILDING CODE 801 AND TABLE 803.3.
 - CURTAINS, DRAPERIES, HANGINGS AND OTHER DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL MEET THE FLAME PROPAGATION PERFORMANCE CRITERIA OF NFPA 701, IN ACCORDANCE WITH BUILDING CODE 806.2 OR BE NONCOMBUSTIBLE. BUILDING CODE 806.1.
 - ALL FLOORING TO BE SLIP-RESISTANT PER ADA CODE
 - TOILET ROOM FLOORS SHALL HAVE A SMOOTH, HARD NON ABSORBENT SURFACE SUCH AS PORTLAND CEMENT, CERAMIC TILE OR OTHER APPROVED MATERIAL THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 4" (1210.2.1)
 - WALLS WITHIN 2 FEET (610 MM) OF THE FRONT AND SIDES OF URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD NON-ABSORBENT SURFACE OF PORTLAND CEMENT, CONCRETE, CERAMIC TILE OR OTHER SMOOTH, HARD NON-ABSORBENT SURFACE TO A HEIGHT OF 4 FEET (1219 MM), AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE. (1210.2.2)
 - CEMENT, FIBER-CEMENT OR GLASS MAT GYPSUM BACKERS IN COMPLIANCE WITH ASTM C1178, C1288 OR C1325 SHALL BE USED AS A BASE FOR WALL TILE IN TUB AND SHOWER AREAS AND WALL AND CEILING PANELS IN SHOWER AREAS. WATER-RESISTANCE GYPSUM BACKING BOARD SHALL BE USED AS A BASE FOR TILE IN WATER CLOSET COMPARTMENT WALLS WHEN INSTALLED IN ACCORDANCE WITH GA-216 OR ASTM C840. REGULAR GYPSUM WALLBOARD IS PERMITTED UNDER TILE OR WALL PANELS IN OTHER WALL AND CEILING AREAS WHEN INSTALLED IN ACCORDANCE WITH GA-216 OR ASTM C840. WATER-RESISTANT GYPSUM BOARD SHALL NOT BE USED IN THE FOLLOWING LOCATIONS: SECTION 2506.1.
 - OVER A VAPOR RETARDER.
 - IN AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY SUCH AS SAUNAS, STEAM ROOMS OR GANG SHOWER ROOMS.
 - ON CEILING WHERE FRAME SPACING EXCEEDS 12 INCHES O.C. FOR 1/2 INCH THICK AND MORE THAN 16 INCHES O.C. FOR 5/8 INCH THICK.
 - EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL LIGHT BY MEANS OF EXTERIOR GLAZED OPENINGS IN ACCORDANCE WITH SECTION 1205.2 OR SHALL BE PROVIDED WITH ARTIFICIAL LIGHT THAT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 10 FOOT-CANDELES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL. (1205.1 AND 1205.3)
 - ANY DECORATIONS SHALL BE NONCOMBUSTIBLE OR FLAME-RETARDANT TREATED IN AN APPROVED MANNER (CURTAINS, DRAPES, SHADES, HANGINGS, ETC) (LARC 57.22)

- FINISH PLAN NOTES**
- INTERIOR FINISH MATERIALS APPLIED TO WALL AND CEILING SHALL BE TESTED AS SPECIFIED IN SECTION 802. OF THE CBC.
 - IN JANITOR CLOSET INSTALL FRP 48" AFF AROUND MOP SINK, AND IN ALL WALL AROUND IT
 - PROVIDE A LEVEL "5" SMOOTH FINISH FOR ALL DRYWALL
 - PROVIDE A LEVEL "3" SMOOTH FINISH FOR ALL DRYWALL
 - EXTERIOR STUCCO TO BE TROWEL APPLIED. PROVIDE DUNNE EDWARDS ENDURALASTIC 10 ELASTOMERIC FLAT FINISH PRIOR TO APPLYING FINAL ACRIBOND FLAT PAINT COLOR.

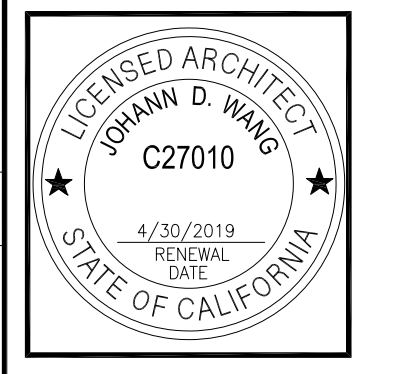
- CA GREEN CODE NOTES**
- ENVIRONMENTAL QUALITY**
- IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, PROVIDE RETURN AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8, BASED ON ASHRAE 52.2-1999, OR AN AVERAGE EFFICIENCY OF 50 PERCENT, BASED ON ASHRAE 52.1-1992. REPLACE ALL FILTERS PRIOR TO OCCUPANCY OTR AT THE CONCLUSION OF CONSTRUCTION.
 - AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL, OR OTHER ACCEPTABLE METHODS TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM." (5.504.3)
 - PROVIDE FINISH PLAN COMPLYING WITH THE FOLLOWING:
 - ADHESIVES, SEALANTS AND CAULKS, PAINTS AND COATINGS, AND AEROSOL PAINTS AND COATINGS SHALL MEET OR EXCEED THE STANDARDS OUTLINED IN SECTIONS 5.504.4.1, 5.504.4.3, AND 5.504.4.3.1 RESPECTIVELY. VERIFICATION OF COMPLIANCE WITH THESE SECTIONS MUST BE PROVIDED AT THE TIME OF INSPECTION.
 - ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FOLLOWING: (5.504.4.4)
 - CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM OR
 - CALIFORNIA DEPARTMENT OF PUBLIC HEALTH STANDARD PRACTICE FOR THE TESTING OF VOC'S (SPEC 01350) OR
 - NSF/ANSI 140 AT THE GOLD LEVEL OR
 - SCIENTIFIC CERTIFICATIONS SYSTEMS SUSTAINABLE CHOICE
 - ALL CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM. CARPET ADHESIVES SHALL NOT EXCEED A VOC LIMIT OF 50 G/L. (5.504.4.4.1, 5.504.4.4.2)
 - COMPOSITE WOOD PRODUCTS (HARDWOOD PLYWOOD, PARTICLE BOARD, AND MDF COMPOSITE WOOD) INSTALLED ON THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET OR EXCEED THE STANDARDS OUTLINED IN TABLE 5.504.4.5. (5.504.4.5)
 - MINIMUM OF 50% OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH THE VOC EMISSION LIMITS DEFINED IN THE CHIPS LOW-EMITTING MATERIALS LIST OR CERTIFIED UNDER THE RFI FLOORSCORE PROGRAM. VERIFICATION OF COMPLIANCE WITH THESE SECTIONS MUST BE PROVIDED AT THE TIME OF INSPECTION. (5.504.4.6)



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Architecture and Planning

MAGNOLIA SCIENCE ACADEMY
18220 SHERMAN WAY, RESEDA, CA 91335

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	PD PLAN CHECK	10/31/2017
3	PD PLAN CHECK	12/14/2017



PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	ROOF FINISH PLAN
DATE	02/28/2019
SCALE	AS NOTED
DATE	AS NOTED
SCALE	AS NOTED
DATE	AS NOTED
SCALE	AS NOTED
DATE	AS NOTED
SCALE	AS NOTED

A3.5