



Ad Hoc Committee Agenda Item #:	III.A.—Action Item
Date:	June 3, 2019
To:	Magnolia Educational & Research Foundation dba Magnolia Public Schools (“ <b>MPS</b> ”) Ad Hoc Committee (the “ <b>Committee</b> ”)
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 <sup>(1)(2)</sup>	-	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 (“ <b>MPS</b> ”) Ad Hoc Committee (the “ <b>Committee</b> ”)
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 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**”).

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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.

**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 [9 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**

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**Amount:** The total amount of COR is \$26,991 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  
**PROJECT:** Magnolia Science Academy  
**TO:** Magnolia Educational and Research Foundation  
250 E. 1st St., 1500  
Los Angeles, CA

**DATE:** 05/01/2019  
**PROJECT NO.:** 18049  
**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
<b>Total:</b>		<b>\$ 87,059.00</b>

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: \_\_\_\_\_



CONSTRUCTION CO.

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
	<b>SUBTOTAL:</b>	<b>16,165.00</b>
	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
	<b>SUBTOTAL:</b>	<b>10,778.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>26,943.00</b>

**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.
<b>Classifications</b>						
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		

<b>Equipment / Materials</b>						
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
<b>TOTAL</b>						<b>\$856.31</b>

**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.
<b>Classifications</b>					
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			

<b>Equipment / Materials</b>					
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	\$537.47
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	
<b>TOTAL</b>				<b>\$591.22</b>	

**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**

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

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**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](mailto:trevorl@Oltmans.com)  
[www.Oltmans.com](http://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
<b>Labor Total</b>		<b>\$10,836.00</b>					

\*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	\$ -
<b>Material Total</b>				<b>\$ 922.41</b>

<b>Subcontractor Total</b>	<b>\$0.00</b>	<b>Material Total</b>	<b>\$</b>	<b>922.41</b>
<b>OH&amp;P on Subcontractor</b>	<b>\$0.00</b>	<b>Tax</b>	<b>9.75%</b>	<b>\$ 89.93</b>
<b>Labor Total</b>	<b>\$10,836.00</b>	<b>OH&amp;P</b>	<b>15%</b>	<b>\$ 1,763.76</b>

**Grand Total** **\$13,612.11**

**\*\*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: 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 Rich (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 Memo

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>				
Carpenter <i>10 mon. 130</i>				

\*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>	<i>2</i>	

\*\*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.





Commercial Account



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

# INVOICE DETAIL

577018

BILL TO:

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

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

<b>SUBTOTAL</b>	\$377.76
<b>TAX</b>	\$35.89
<b>TOTAL</b>	\$413.65

BILL TO:

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

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





Commercial Account



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

# INVOICE DETAIL

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

<b>SUBTOTAL</b>	<b>\$388.77</b>
TAX	\$36.93
<b>TOTAL</b>	<b>\$425.70</b>

BILL TO:

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

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

<b>SUBTOTAL</b>	<b>\$155.88</b>
TAX	\$14.81
<b>TOTAL</b>	<b>\$170.69</b>

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
<b>Labor Total</b>	<b>\$2,220.00</b>						

\*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	\$ -
<b>Material Total</b>				<b>\$ -</b>

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 11/29/2019

\*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
<b>Labor Total</b>	<b>\$5,136.00</b>						

\*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	\$ -
<b>Material Total</b>				<b>\$ -</b>

<b>Subcontractor Total</b>	<b>\$0.00</b>	<b>Material Total</b>	<b>\$ -</b>
<b>OH&amp;P on Subcontractor</b>	<b>\$0.00</b>	<b>Tax</b>	<b>9.75% \$ -</b>
<b>Labor Total</b>	<b>\$5,136.00</b>	<b>OH&amp;P</b>	<b>15% \$ 770.40</b>

**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.

Date: December 7, 8, 10

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: Protected the jobsite from the rain, ~~preventing~~ preventing damages. Pumping water from the project.  
December 7, 2018 - 3 men - 8 hours each - William Fairbrother (Foreman), Chuck Hoge (Journey man), Jose Reza (Apprentice).  
December 8, 2018 - 3 men - 8 hours each - same men as the 7<sup>th</sup>.  
December 10, 2018 - 1 man - 8 hours each - Jose Reza (Apprentice)

\*Oltmans Superintendent's Authorization to proceed: \_\_\_\_\_

LABOR RATES	Straight Hours	Saturday Hours	Sunday Hours	Premium time
Superintendent				
Foreman	8	8		
Carpenter	24	16		

\*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: \_\_\_\_\_

*[Signature]* 3/5/2019

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
<b>Labor Total</b>	<b>16</b>						<b>\$ 1,184.00</b>

\*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	\$ -
<b>Material Total</b>				<b>\$ -</b>

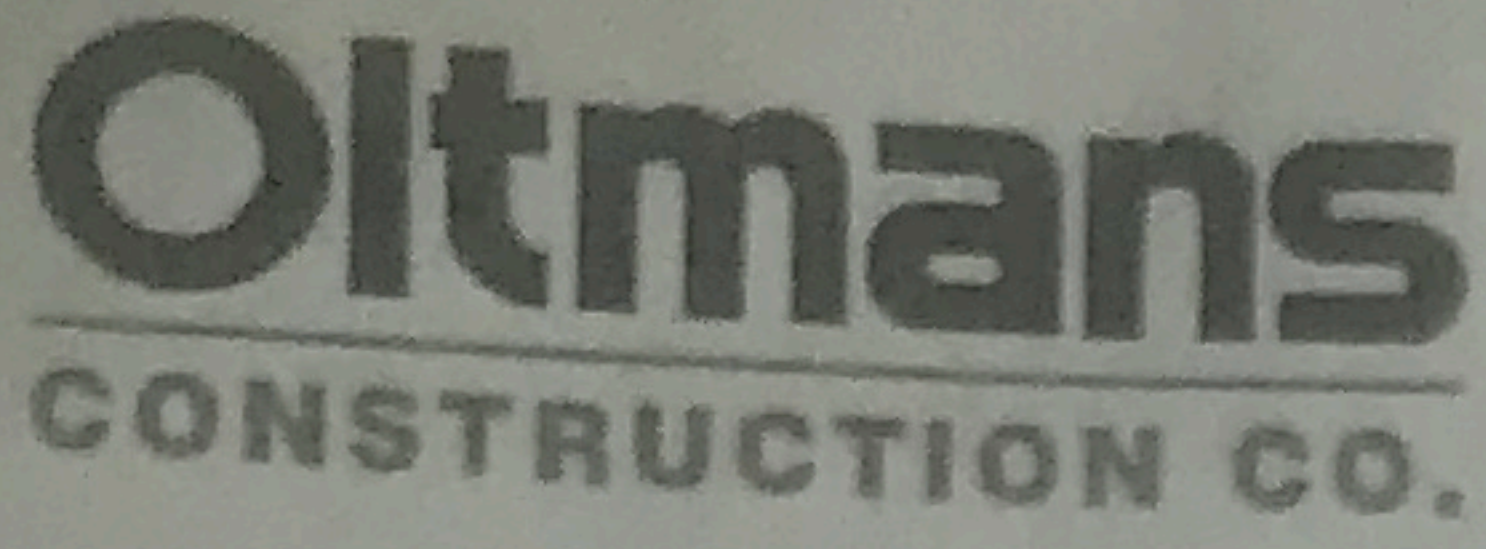
<b>Subcontractor Total</b>	<b>\$0.00</b>	<b>Material Total</b>	<b>\$ -</b>
<b>OH&amp;P on Subcontractor</b>	<b>\$0.00</b>	<b>Tax</b>	<b>9.75% \$ -</b>
<b>Labor Total</b>	<b>\$1,184.00</b>	<b>OH&amp;P</b>	<b>15% \$ 177.60</b>

**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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6661 00013 09913 (2/21/18) 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

\*\*\*\*\*  
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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**

**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**

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.

**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**

**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**

**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**

**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



CONSTRUCTION CO.

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
	<b>SUBTOTAL:</b>	<b>33,125.00</b>
	<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>	<b>33,125.00</b>

**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.
<b>Classifications</b>							
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

<b>Equipment / Materials</b>							
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	
<b>TOTAL</b>						<b>\$4,723.10</b>	

**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.
<b>Classifications</b>					
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			

<b>Equipment / Materials</b>					
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" Discharge 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
<b>TOTAL</b>					<b>\$2,528.13</b>

**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.

# Oltmans

CONSTRUCTION CO.

Project: **Magnolia Science Academy**

Job #: **18049**

JWO #: **11**

JWO Date: **1/14/2019 & 1/21/2019**

Description: **Weather Remediation 1/14/19 to 1/21/19. Weather remediation included checking that everything is protected in building, pumping water from parking lot and by neighbor fences as requested by MSA.**

By: **Jeff Rich**

PM: **Trevor Lawton**

Date Entered: **3/11/19 - EL**

	Description	Qty.		Labor Rate	Equip/ Mat'l. Rate	Labor	Equip/ Mat'l.
<b>Classifications</b>							
1	Jeff Rich					\$0.00	
2	Journeyman Carpenter - David M.	6.0	hrs	\$ 71.16		\$426.96	
3	Journeyman Carpenter - Humberto A.	18.0	hrs	\$ 71.16		\$1,280.88	
4	Journeyman Carpenter - Jonathan C.	18.0	hrs	\$ 71.16		\$1,280.88	
5	Journeyman Carpenter - Rigoberto G. MD	47.0	hrs	\$ 71.16		\$3,344.52	
6	Journeyman Carpenter - Sergio V. MD	47.0	hrs	\$ 71.16		\$3,344.52	
7	Journeyman Carpenter - David A.	40.0	hrs	\$ 71.16		\$2,846.40	
8	Journeyman Carpenter - Juan A.	4.0	hrs	\$ 71.16		\$284.64	
9	Journeyman Carpenter - Jose R. MD	15.0	hrs	\$ 71.16		\$1,067.40	
10	Journeyman Carpenter - Fidel F. MD	15.0	hrs	\$ 71.16		\$1,067.40	
11	Journeyman Carpenter - Jose A.A. MD	15.0	hrs	\$ 71.16		\$1,067.40	
12	Journeyman Carpenter - Eric A.	15.0	hrs	\$ 71.16		\$1,067.40	
13	Deliveries TBD (3)						
		TOTAL		240.0	hr		

<b>Equipment / Materials</b>							
1	1 electric pump 1 1/2" (JR)	1.0	EA		24.00		\$24.00
2	1 gas pump 1 1/2" (JR)	1.0	EA		17.00		\$17.00
3	1 gas pump 3" (JR)	1.0	EA		33.00		\$33.00
4	1 1/2" water hose (JR)	1.0	EA		0.00		\$0.00
5	3" water hose (JR)	1.0	EA		0.00		\$0.00
6	rain gear (JR)	1.0	EA		63.54		\$63.54
7	gas for pump (JR 9 gal)	1.0	LS		42.65		\$42.65
8	5 shop vacs (JR)	5.0	EA		108.00		\$540.00
9	4 fans (JR)	4.0	EA		80.00		\$320.00
9	2 rolls visqueen plastic 6 mill (JR home depe	1.0	LS		205.86		\$205.86
9	1.5" discharge hose (yard)	14.0	EA		75.00		\$1,050.00
9	1.5" intake hose (yard)	1.0	EA		45.00		\$45.00
9	3" discharge hose (yard)	8.0	EA		32.00		\$256.00
9	3" intake hose (yard)	2.0	EA		65.00		\$130.00
9	1.5" sub pump	6.0	EA		16.00		\$96.00
9	Deliveries (3) - TBD	3.0	EA		0.00		\$0.00

<i>Subtotals</i>						\$17,078.40	\$2,823.05
Small Tools (included in labor rate)				0.00%		\$0.00	
<i>Subtotal</i>						\$17,078.40	
Labor Burden (included in labor rate)				0.00%		\$0.00	
Material & Equipment						\$2,823.05	
<i>Subtotal</i>						\$19,901.45	
Liability Insurance				0.00%		\$0.00	
<i>Subtotal</i>						\$19,901.45	
Self-Performed OH&P				10.00%		\$1,990.15	
<b>TOTAL</b>						<b>\$21,891.60</b>	

**EXCLUDES:**


a) All subcontractor work (if any).

**IMPORTANT:**

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

From:  Trevor Lawton  
To:  Patrick Ontiveros  
Cc:  Jeff Rich;  Elizabeth Lara;  Anjana Bhowmik;  Chris Bell  
Subject: MSA Rain Dav 1.7.19

Sent: Mon 1/7/2019 9:11 AM

 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](mailto:trevorl@Oltmans.com)

[www.Oltmans.com](http://www.Oltmans.com)

## Trevor Lawton

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**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](mailto: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

**\$121<sup>68</sup>** /box

#### Overview

Protect your home or property with Quick Dam and Go Flood Protection in minutes. 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](mailto:pontiveros@magnoliapublicschools.org)

---

**From:** veronica becerra <[ybcommercial@outlook.com](mailto:ybcommercial@outlook.com)>  
**Date:** Saturday, January 12, 2019 at 2:56 PM  
**To:** Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto: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

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**From:** Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>  
**Date:** Saturday, January 12, 2019 at 12:42 PM  
**To:** veronica becerra <[vbcommercial@outlook.com](mailto: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](mailto:lamancuso@gmail.com)>  
**Date:** January 12, 2019 at 12:16:27 PM PST  
**To:** Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>  
**Cc:** Anh Nghiem <[atnghiem@gmail.com](mailto:atnghiem@gmail.com)>, Jeff Rich <[JeffR@oltmans.com](mailto:JeffR@oltmans.com)>, Mustafa Sahin <[msahin@magnoliapublicschools.org](mailto:msahin@magnoliapublicschools.org)>, Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>, "[aimienghiem@gmail.com](mailto:aimienghiem@gmail.com)" <[aimienghiem@gmail.com](mailto:aimienghiem@gmail.com)>, [Peter.Masson@anteagroup.com](mailto:Peter.Masson@anteagroup.com), [stormwater@waterboards.ca.gov](mailto: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](mailto: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](mailto:pontiveros@magnoliapublicschools.org)

---

**From:** Lauren Mancuso <[lamancuso@gmail.com](mailto:lamancuso@gmail.com)>

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

**To:** Patrick Ontiveros

<[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>

**Cc:** Anh Nghiem <[atngkiem@gmail.com](mailto:atngkiem@gmail.com)>, Jeff Rich



<[JeffR@oltmans.com](mailto:JeffR@oltmans.com)>, Mustafa Sahin  
<[msahin@magnoliapublicschools.org](mailto:msahin@magnoliapublicschools.org)>, Trevor Lawton  
<[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>, "[aimienghiem@gmail.com](mailto:aimienghiem@gmail.com)"  
<[aimienghiem@gmail.com](mailto: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](mailto: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](http://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
<b>Labor Total</b>	<b>17</b>						<b>\$ 1,258.00</b>

\*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	\$ -
<b>Material Total</b>				<b>\$ -</b>

<b>Subcontractor Total</b>	<b>\$0.00</b>	<b>Material Total</b>	<b>\$ -</b>
<b>OH&amp;P on Subcontractor</b>	<b>\$0.00</b>	<b>Tax</b>	<b>9.75% \$ -</b>
<b>Labor Total</b>	<b>\$1,258.00</b>	<b>OH&amp;P</b>	<b>15% \$ 188.70</b>

**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

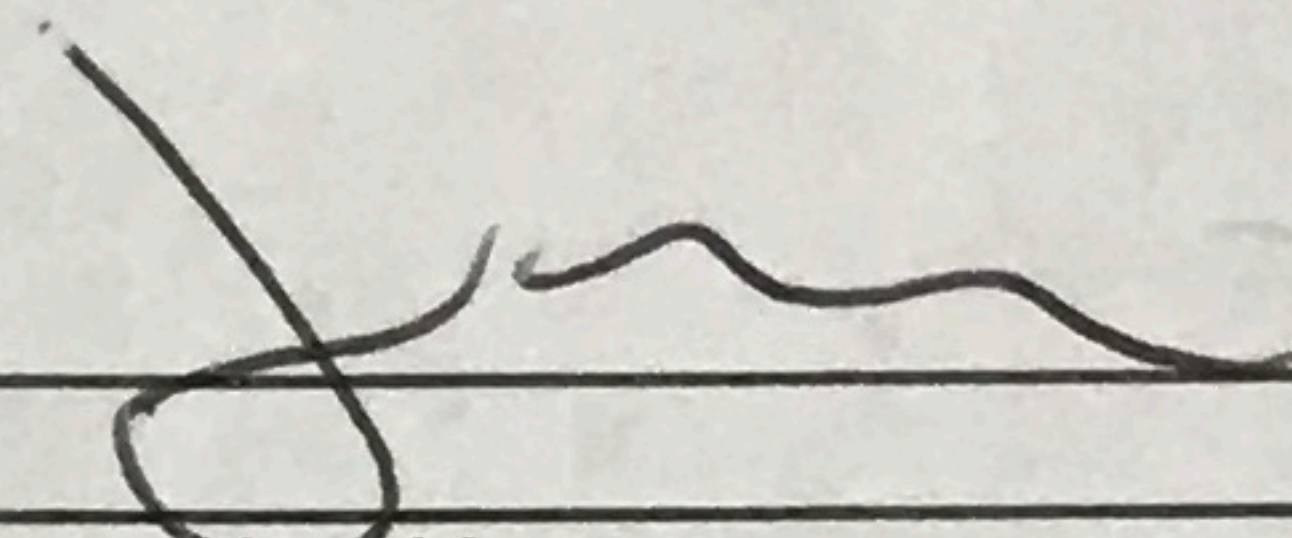
Project: MSA (18161.01)

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

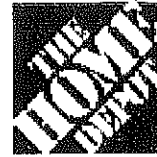
Total = \$ 14.22 ✓

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

*Planted to cover the dirt e 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](http://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](http://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**

**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.

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

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.

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

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.



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

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

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

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

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

**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

**Journal ID:** DJ-146

**DATE:** 01/16/2019

**Date:** 03/11/2019

**Job:** 18049

**Sky:** 80% Rain

**Wind:** 0 to 5 mph

**Low Temperature:** 53

**Precipitation:** 1

**High Temperature:** 61

**Rain Day:** Y

**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

**Journal ID:** DJ-147

**DATE:** 01/17/2019

**Date:** 03/11/2019

**Job:** 18049

**Sky:** 80% Rain

**Wind:** 10 mph.

**Low Temperature:** 60

**Precipitation:** 1

**High Temperature:** 62

**Rain Day:** Y

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

**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

**Journal ID:** DJ-148

**DATE:** 01/18/2019

**Date:** 03/11/2019

**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.

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

**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

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

**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.

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

**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.

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

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.



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

**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**

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

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 tomorrow's 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.

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

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.

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.

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

**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.

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

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**

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**

**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.



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

No school today.

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

**Certified By:** Oltmans Construction Co.

**Signed:** \_\_\_\_\_

Jeff Rich

**Journal ID:** DJ-169

**DATE:** 02/19/2019

**Date:** 03/11/2019

**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

**Journal ID:** DJ-170

**DATE:** 02/21/2019

**Date:** 03/11/2019

**Job:** 18049

**Low Temperature:** 48

**Precipitation:** 0

**Sky:** Cloudy

**High Temperature:** 56

**Rain Day:** N

**Wind:** N at 10 to 15

**General:**

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

**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.

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

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

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

**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:**

**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



CONSTRUCTION CO.

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
	<b>SUBTOTAL:</b>	<b>26,991.00</b>
	<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>	<b>26,991.00</b>

**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.
<b>Classifications</b>						
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	

<b>Equipment / Materials</b>						
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

<i>Subtotals</i>		\$10,867.32	\$3,157.87
Small Tools (included in labor rate)	0.00%	\$0.00	
<i>Subtotal</i>		\$10,867.32	
Labor Burden (included in labor rate)	0.00%	\$0.00	
Material & Equipment		\$3,157.87	
<i>Subtotal</i>		\$14,025.19	
Liability Insurance	0.00%	\$0.00	
<i>Subtotal</i>		\$14,025.19	
Self-Performed OH&P	10.00%	\$1,402.52	
<b>TOTAL</b>		<b>\$15,427.71</b>	

**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
<b>General Condition Rates</b>							
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
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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
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### 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
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5	Labor	\$42.00	N.A.	\$42.00	\$17.43	\$0.63	\$60.06
6	Labor Journeyman	\$46.00	N.A.				

### Prevailing Rates

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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**

**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**

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

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.

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

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.

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.

Two 12

**ARCO GASOLINE**

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

*CASH REIMBURSE JAKE*

Description	Qty	Amount
UNLD CA #08 SELF @ 2.999/ G	4.850G	14.55
	Subtotal	14.55
	Tax	0.00
<b>TOTAL</b>		<b>14.55</b>
	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 JAKE

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



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*S. M. ...  
S. M. ...  
C. ...  
C. ...*

01/11/19 12:11 ICAN1213  
XXXXXXXXX5770  
\*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



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Visit bankofamerica.com/CardlessATM

Two 12

**ARCO GASOLINE**

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

*CASH REIMBURSE JAKE*

Description	Qty	Amount
UNLD CA #01 SELF @ 2.999/ G	8.028G	24.08
	Subtotal	24.08
	Tax	0.00
<b>TOTAL</b>		<b>24.08</b>
	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](http://www.gasvisit.com)

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[WWW.GASVISIT.COM](http://WWW.GASVISIT.COM)

Lower roof covered w/  
plastic rain divert.



More saying.  
Jwd #12  
More doing.

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](http://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

\*\*\*\*\*

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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.

MARU

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: Seq Num: 36

Term ID 4

Vehicle Card

Number: 77646

Workstation ID: 00

Your opinion

counts! Enter to

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

PM: **Trevor Lawton**

Description	Qty.	Labor Rate	Equip/ Mat'l. Rate	Labor	Equip/ Mat'l.
<b>Classifications</b>					
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			

<b>Equipment / Materials</b>					
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	\$556.00
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	
<b>TOTAL</b>		<b>\$1,502.07</b>	

**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

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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
6	Labor Journeyman	\$28.60	N.A.	\$28.60	\$11.87	\$0.43	\$40.90

### 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.

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

**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.
<b>Classifications</b>					
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

<b>Equipment / Materials</b>					
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
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
<b>TOTAL</b>					<b>\$7,996.45</b>

**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
<b>General Condition Rates</b>							
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.

## Elizabeth Lara

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**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](mailto:jeffr@oltmans.com)

## Trevor Lawton

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**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](mailto:jeffr@oltmans.com)

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**

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



**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.

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

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:**

**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.

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

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

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

**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:**

**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

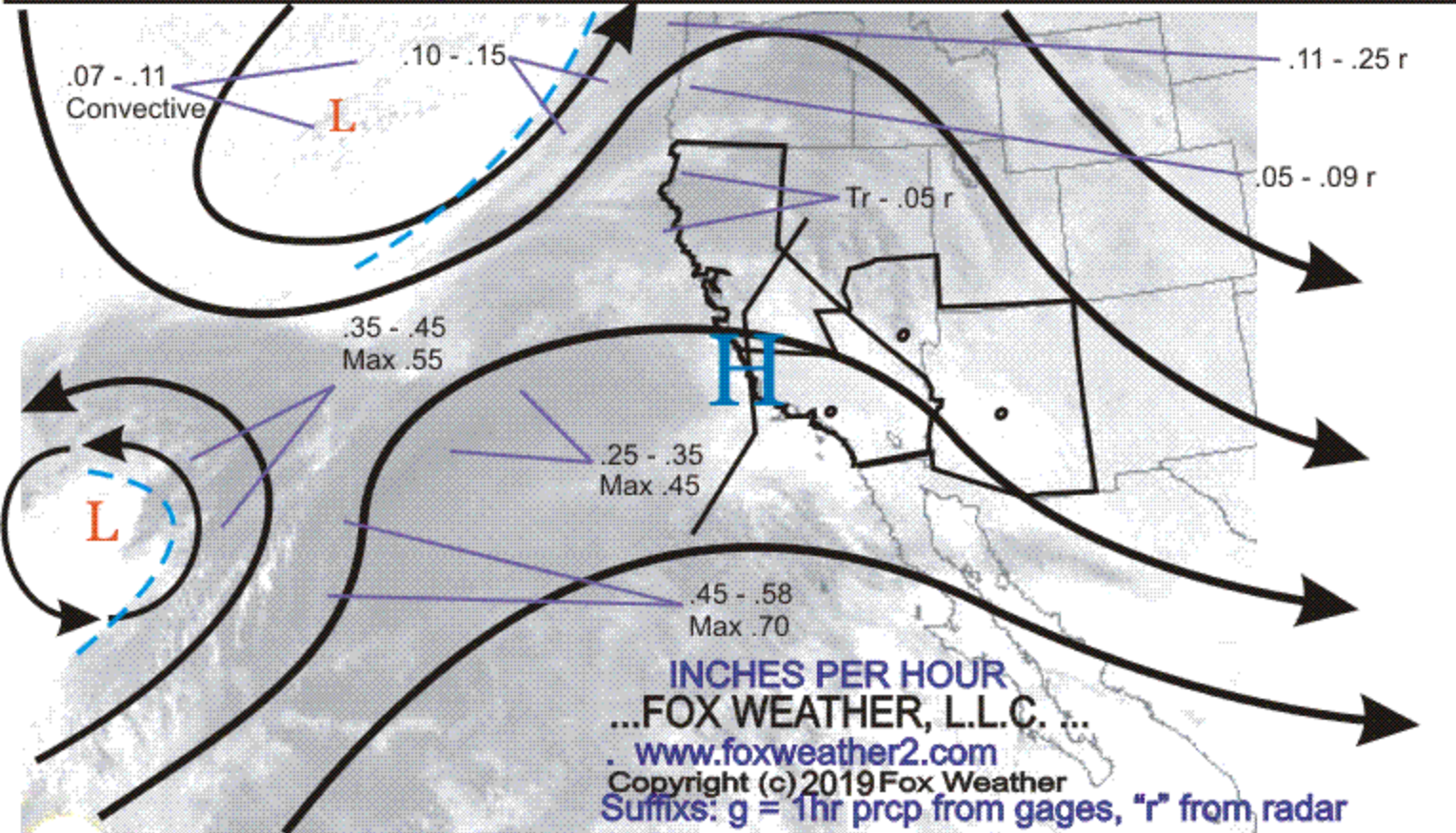
**BRIEFING...** A strong cold front is bringing a lot of rain from W Ohio SW thru W Texas with some light snow behind the front. Heavy snow thru the N tier states from Minnesota E thru W NY. A new trof off the west coast of the US is bringing rain/snow mix to Seattle with rain thru Portland. Light rain 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, Mendo 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. Qute 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.



sbd.txt

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					



sbd.txt

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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4/ 2

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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AGRICULTURAL WEATHER FORECAST FOR N SAN DIEGO, ORANGE AND W RIVERSIDE COUNTIES  
0835 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 3 p.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...ESCONDIDO...

Mostly clear and cold with frost/freezes 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 2 or 3 p.m. and better rain 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: 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.

WIND SAN DIEGO/ORANGE: MAXIMUM THIS AFTN S-SW 9-14 MPH  
MAXIMUM TMRW AFTN S 13-19 MPH GST 27  
> 5 MPH 2200-0900 BOTH NGT

TEMPS:

INLAND VALLEY TEMPS: TODAY 66 WED 42/60 THU 46/60

FALLBROOK TEMPS: TODAY 68 WED 46/62 THU 51/62

ESCONDIDO TEMPS: TODAY 69 WED 46/63 THU 51/63

ESCONDIDO RH%: TODAY 24 WED 93/54 THU 99/87

ESCONDIDO DEWPT: TODAY 31 WED 44/46 THU 51/59

ANAHEIM 69/49/60/51/63 SAN JUAN CAPSTR CK 68/39/63/45/63  
LOS ALAMITOS-SEAL B 67/43/60/49/63 YORBA LINDA 68/44/61/49/62  
LAX AREA 65/51/61/53/63 SAND CYN-TRABUCO 70/41/65/47/64

TUSTIN-IRVINE TEMPS: TODAY 68 WED 44/63 THU 50/63

TUSTIN\_IRVINE RH%: TODAY 10 WED 27/15 THU 86/81

TUSTIN\_IRVINE DEWPT: TODAY 10 WED 12/14 THU 46/57

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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 RAIN ANALYSIS FOR 0710 PST FEB 13, 2019

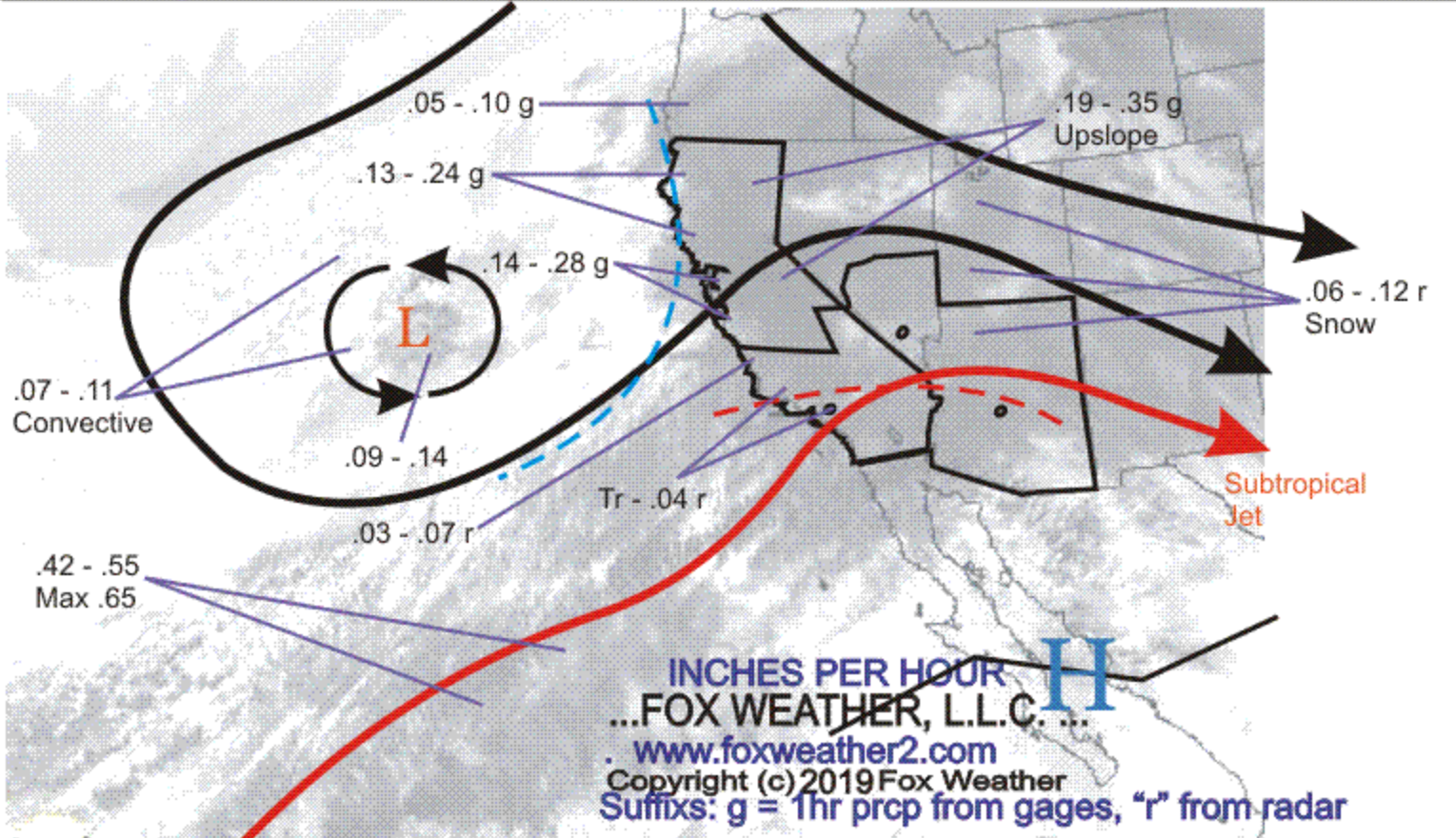
**BRIEFING...** A trof & upper low with a very moist SW flow aloft will continue thru the day bringing good rain to the state. Mod to heavy rain is pssbl with heavy snow in the SierraNV Today & Thu. A new trof will bring a chnc of rain later Fri thru the weekend. Decent rain across N & CenCal with rain 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.





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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					

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

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

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

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

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AGRICULTURAL WEATHER FORECAST FOR N SAN DIEGO, ORANGE AND W RIVERSIDE COUNTIES  
0830 PST WED FEBRUARY 13, 2019

SYNOPSIS...

A trough will bring light rain starting late morning with a better chance of rain this afternoon through this evening. The trough will move into the region bringing better rain Thursday with showers ending Friday. Dry on Saturday with a weak system brushing to the north with light rain possible Sunday.

\*\*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...ESCONDIDO...

Mostly cloudy but dry early this morning. Light rain starts around 9 or 10 a.m. with a better chance of rain later this afternoon and evening. A chance of good rain with moderate to brief heavy rain possible late tonight 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: OC Cst .48/.96/.10, OC Cstl Hills .32/1.30/.20, OC Mtns .37/3.26/.30, Carlsbad .77/3.12/.23, Fallbrook 1.40/4.77/.30, Escondido .59/3.50/.40.

WIND SAN DIEGO/ORANGE: MAXIMUM THIS AFTN S-SE 14-19 MPH  
MAXIMUM TMRW AFTN S-SW 15-21 MPH  
> 5 MPH 2200-0900 BOTH NGT

TEMPS:

INLAND VALLEY TEMPS: TODAY 60 THU 46/57 FRI 43/53  
FALLBROOK TEMPS: TODAY 62 THU 53/60 FRI 51/58

ESCONDIDO TEMPS: TODAY 64 THU 53/60 FRI 50/59  
ESCONDIDO RH%: TODAY 50 THU 99/99 FRI 99/72  
ESCONDIDO DEWPT: TODAY 45 THU 53/60 FRI 50/50

ANAHEIM 60/51/60/51/59 SAN JUAN CAPSTR CK 63/45/60/45/59  
LOS ALAMITOS-SEAL B 60/49/61/49/60 YORBA LINDA 61/50/60/47/58  
LAX AREA 61/53/63/51/60 SAND CYN-TRABUCO 66/48/61/44/60

TUSTIN-IRVINE TEMPS: TODAY 63 THU 50/60 FRI 50/59  
TUSTIN\_IRVINE RH%: TODAY 17 THU 93/78 FRI 77/46  
TUSTIN\_IRVINE DEWPT: TODAY 18 THU 48/53 FRI 43/38

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  
**PROJECT:** Magnolia Science Academy  
**TO:** Magnolia Educational and Research Foundation  
250 E. 1st St., 1500  
Los Angeles, CA

**DATE:** 05/15/2019  
**PROJECT NO.:** 18049  
**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
<b>Total:</b>		<b>\$ 38,609.94</b>

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: \_\_\_\_\_

**Oltmans****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.

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

**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
<b>Material &amp; Labor Total:</b>							<b>-18,739.06</b>	<b>-30.55</b>
<b>(unassigned) Total:</b>							<b>-18,739.06</b>	<b>-30.55</b>
<b>09260 Tape Walls Total:</b>							<b>-18,739.06</b>	<b>-30.55</b>
<b>Grand without additional markups Total:</b>							<b>-18,739.06</b>	<b>-30.55</b>
<b>Additional Markups Total:</b>							<b>0.00</b>	
<b>Grand Total:</b>							<b>-18,739.06</b>	



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

**REQUEST FOR INFORMATION**  
RFI-180

---

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

---

<b>Co-Author:</b>	Oltmans Construction Co.	<b>Contact:</b>	Trevor Lawton	<b>Co-Author RFI Number:</b>	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:**



CONSTRUCTION CO.

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
	<b>SUBTOTAL:</b>	<b>4,571.00</b>
	Fee	232.00
	GL	44.00
	Gross Tax	6.00
	SDI	57.00
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>4,910.00</b>

**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.

**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:**

<b>Vendor</b>	<b>Description</b>	<b>Amount</b>
	General Conditions	210.00
	Concrete	10,648.27
	<b>SUBTOTAL:</b>	<b>10,858.27</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>10,858.27</b>

**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
<b>SUBTOTAL:</b>		<b>630.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>630.00</b>

**APPROVAL:**  
Oltmans Construction Co.

**BY:** Raymond Elias  
**DATE:**

**APPROVAL:**  
Oltmans Construction Co.

**BY:**  
**DATE:**

**SUBJECT:** Concrete Topping Slab Clarification**DATE:** 08/21/2018**PROJECT:** Magnolia Science Academy**PROJECT NO.:** 18049**TO:** Etmny Cornejo  
Franco Architects Inc.**REQUIRED:** 08/24/2018**COST IMPACT:** POTENTIALLY**DAYS IMPACT:** POTENTIALLY**FROM:** Olivia Sanchez  
Oltmans Construction Co.**Co-Author:****Contact:****Co-Author RFI Number:****Request:**

Refer to: S4.0

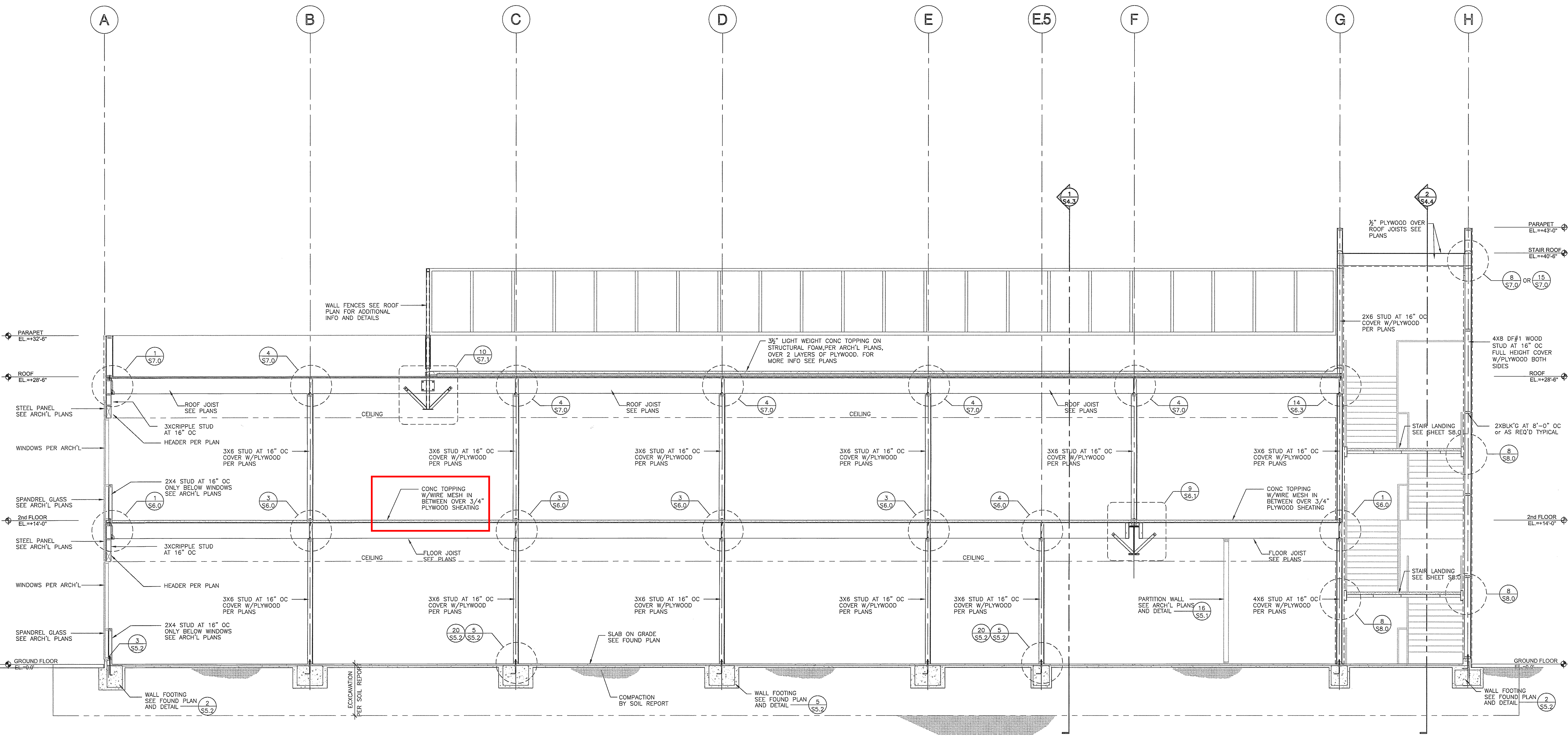
1. The concrete topping on 2nd floor over plywood is not a standard decking detail and we would like to ensure we are meeting design intent and general functionality.
  - a. Please confirm the +/-2.5" concrete topping slab (4000psi) over ¾" plywood on the 2nd floor is to receive wire mesh per S4.0.
  - 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:**

May 29, 2018 8:52 am : User: cscar... Magnolia Science Ac. ademy\1 Structural Plans\S40-Building Sections.dwg



NOTE:  
EXTERIOR WALLS ARE FIRE  
RETARDANT TREATED SEE  
PLANS AND DETAIL

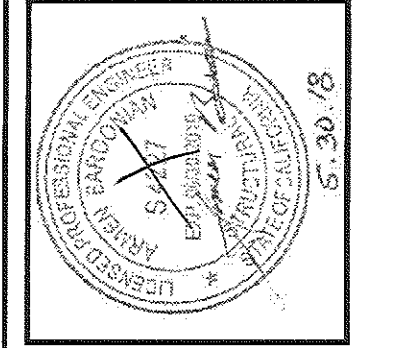
**1 BUILDING SECTION**  
S4.0  
SCALE: 1/4"=1'-0"  
NOTES:  
1. FOR INFORMATION NOT SHOWN SEE ARCH'L  
PLANS SECTION 1/AS.1  
2. ELEVATION TO BE VERIFIED W/ARCH'L PLANS  
3. FOR JOISTS/BEAMS/DECK DIRECTION  
SEE PLANS

FRANCO ARCHITECTS INC.  
12345 Ventura Blvd. H  
Studio City, CA 91604  
Tel 818 764-2000  
Fax 818 764-2002  
Architecture and Planning

B & B ASSOCIATES  
STRUCTURAL ENGINEERS  
80 N. WILSON AVE. SUITE 100  
RESEDA, CA 91369  
Tel 818 764-2000  
Fax 818 764-2002  
www.bbbassociates.com

MAGNOLIA SCIENCE ACADEMY  
16220 SHERMAN WAY, RESEDA, CA 91335

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	PLAN CHECK #2	



PROJECT:  
MAGNOLIA SCIENCE ACADEMY  
18238 SHERMAN WAY,  
RESEDA, CA 91335  
DRAWING NO:  
BUILDING SECTION  
DATE BY: OM 03/09/2018  
JOB NUMBER: 17-127 SCALE: AS NOTED  
APPROVED BY:  
SIGNATURE: [Signature]  
DATE: MAY 31 2018  
S4.0

I, the undersigned, being a duly licensed Professional Engineer in the State of California, do hereby certify that the above is a true and correct copy of the original as submitted to me for my official use and that I am not aware of any other copy of the same.

**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

**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	<b>SENT VIA:</b>					
<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](mailto:RaymondE@oltmans.com)

E-mail: [Robbie@rrmca.com](mailto: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/V**

**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			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 <sub>2</sub> ), %	---	---	---	Min.	20.9
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> ), %	---	6.0	---	Max.	4.1
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> ), %	---	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 <sub>3</sub> ), %	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 <sub>2</sub> O + 0.658 * %K <sub>2</sub> O)	0.60	0.60	0.60	Max.	0.51
Tricalcium Silicate (C <sub>3</sub> S), [b] %	---	---	---		54
Tricalcium Aluminate (C <sub>3</sub> A), [b] %	---	8	5	Max.	4
C <sub>4</sub> AF + 2*C <sub>3</sub> A [b]	---	---	25	Max.	20
C <sub>3</sub> S + 4.75*C <sub>3</sub> A [b]	---	100	---	Max.	76
CO <sub>2</sub> , %	---	---	---		1.3
Limestone, %	5.0	5.0	5.0	Max.	3.4
CaCO <sub>3</sub> Limestone Purity, %	70	70	70	Min.	84

### PHYSICAL RESULTS:

Blaine Fineness (m <sup>2</sup> /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 <sub>2</sub> (%)	8.7
Al <sub>2</sub> O <sub>3</sub> (%)	2.6
Fe <sub>2</sub> O <sub>3</sub> (%)	0.8
CaO (%)	47.6
SO <sub>3</sub> (%)	0.6

**Base Cement Phase Composition**

C <sub>3</sub> S	56
C <sub>2</sub> S	18
C <sub>3</sub> A	5
C <sub>4</sub> 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/yd<sup>3</sup> (.60 kg/m<sup>3</sup>). 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  
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## INTERNATIONAL

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[www.fibermesh.com](http://www.fibermesh.com)

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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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**Grace Construction Products**

W.R. Grace & Co. – Conn.  
293 Wright Brothers Avenue  
Livermore, CA 94550

925-443-9700

[www.graceconstruction.com](http://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

## **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](http://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

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FA/LI/1M



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.



Alla Cannon  
Product Certification Specialist

## 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](http://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.

© Copyright 2015 W. R. Grace & Co.-Conn. All rights reserved. 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.  
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 <sub>mm</sub>	3/8"	100	100
4.75 <sub>mm</sub>	# 4	96	95-100
2.36 <sub>mm</sub>	# 8	81	80-100
1.18 <sub>mm</sub>	# 16	59	50-85
600 <sub>um</sub>	# 30	39	25-60
300 <sub>um</sub>	# 50	19	5-30
150 <sub>um</sub>	# 100	5	0-10
75 <sub>um</sub>	# 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)

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

<b>GRADING - SIEVE ANALYSIS (Test Method C136)</b> <b>Coarse Aggregate: 3/8-Inch to No. 8</b>		
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	C567-14 (Air dried per Section 8.2)	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



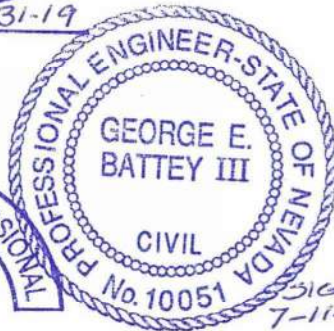
SIGNED  
7-11-17

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

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)

**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.

<b>Vendor</b>	<b>Description</b>	<b>Amount</b>
Safeway Bldg. Systems Inc. dba Safeway Electric	Electrical: DWP Electrical Service Pole	5,453.00
	<b>SUBTOTAL:</b>	<b>5,453.00</b>
	Bond	45.00
	Gross Tax	8.00
	GL	53.00
	SDI	69.00
	Fee	279.00
	<b>SUBTOTAL:</b>	<b>454.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>5,907.00</b>

**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
<b>This Request</b>	<b>\$5,453.00</b>
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



Since 1980

"Building a Safe & Secure Southern California"

**Change Order Request Form**

Customer Oltmans Construction

Project: Magnoila 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
<b>Total Labor Costs</b>					<b>\$ 2,431.00</b>

**Material Costs**

See Material Breakout Report Attached	\$ 2,543.72
<b>Subtotal</b>	\$ 2,543.72
<b>Sales Tax 8%</b>	\$ 203.50
<b>Mark Up 10%</b>	\$ 274.72
<b>Total</b>	<b>\$ 3,021.94</b>

**Equipment Costs**

Description	Day	Rate	Total
		\$ -	\$ -
Mark-Up 10%			\$ -
<b>Total Equipment Costs</b>			<b>\$ -</b>

**Subcontractors**

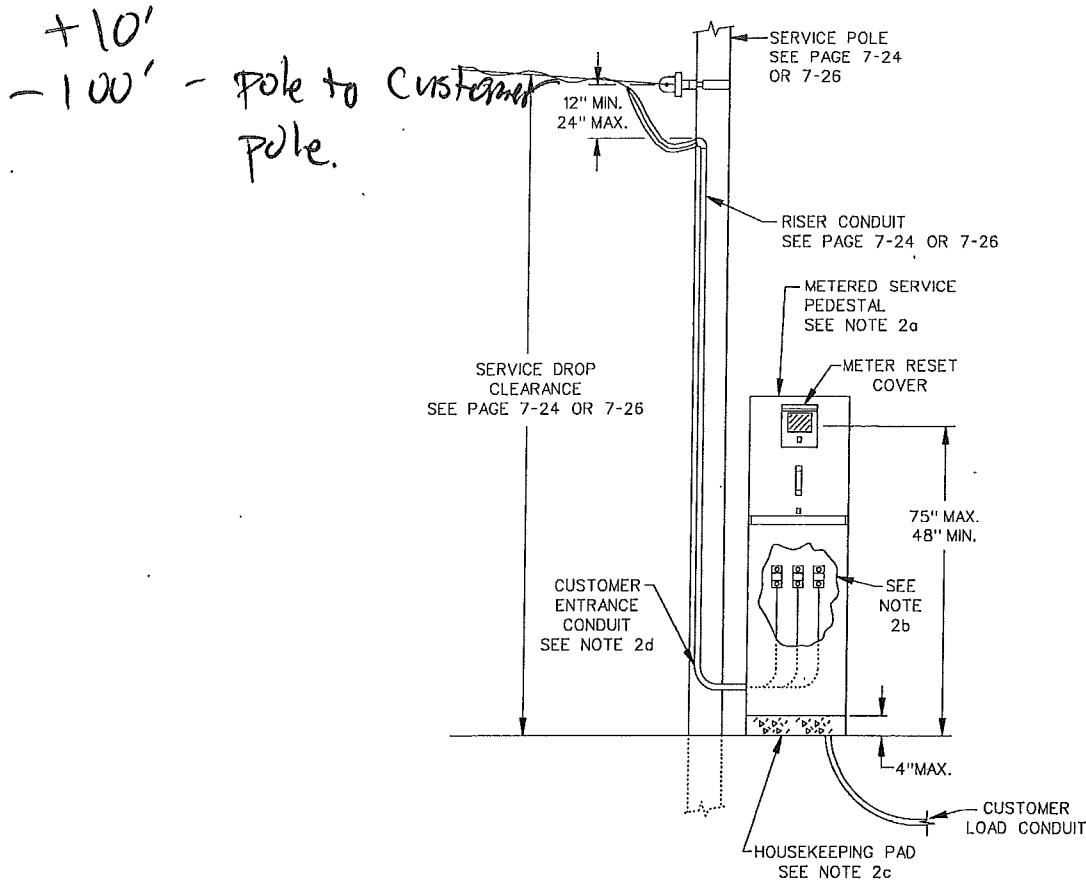
	\$ -	
	\$ -	
	\$ -	
	\$ -	
<b>Subcontractor Costs</b>		\$ -
<b>Mark-up @ 10%</b>		\$ -
<b>Total Subcontractor Costs</b>		<b>\$ -</b>

**Total Daily Change Order Due \$ 5,452.94**

**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
<b>Grand Totals</b>				<b>2,543.72</b>	<b>26.0100</b>



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.

Date: 10-31-18

**DESIGN AND INSTALLATION GUIDE FOR OVERHEAD SERVICES, 0-600 VOLTS**

**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.

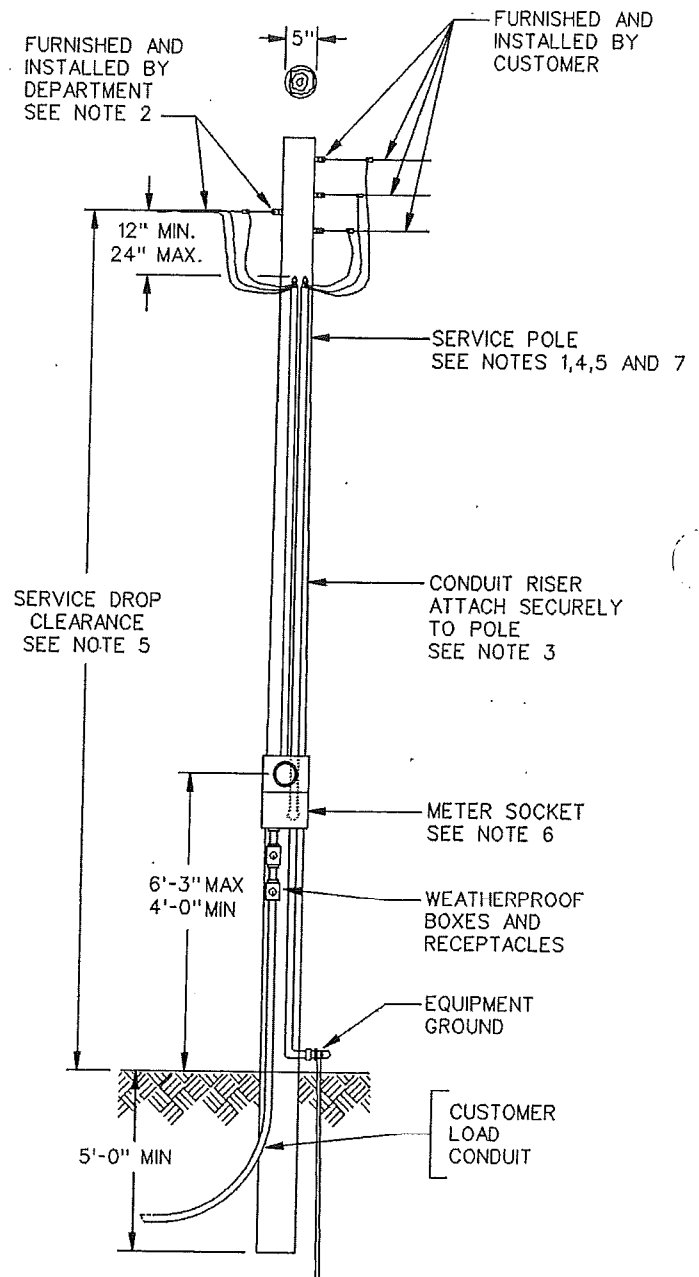
**Note:** Used poles are not acceptable.

- 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.

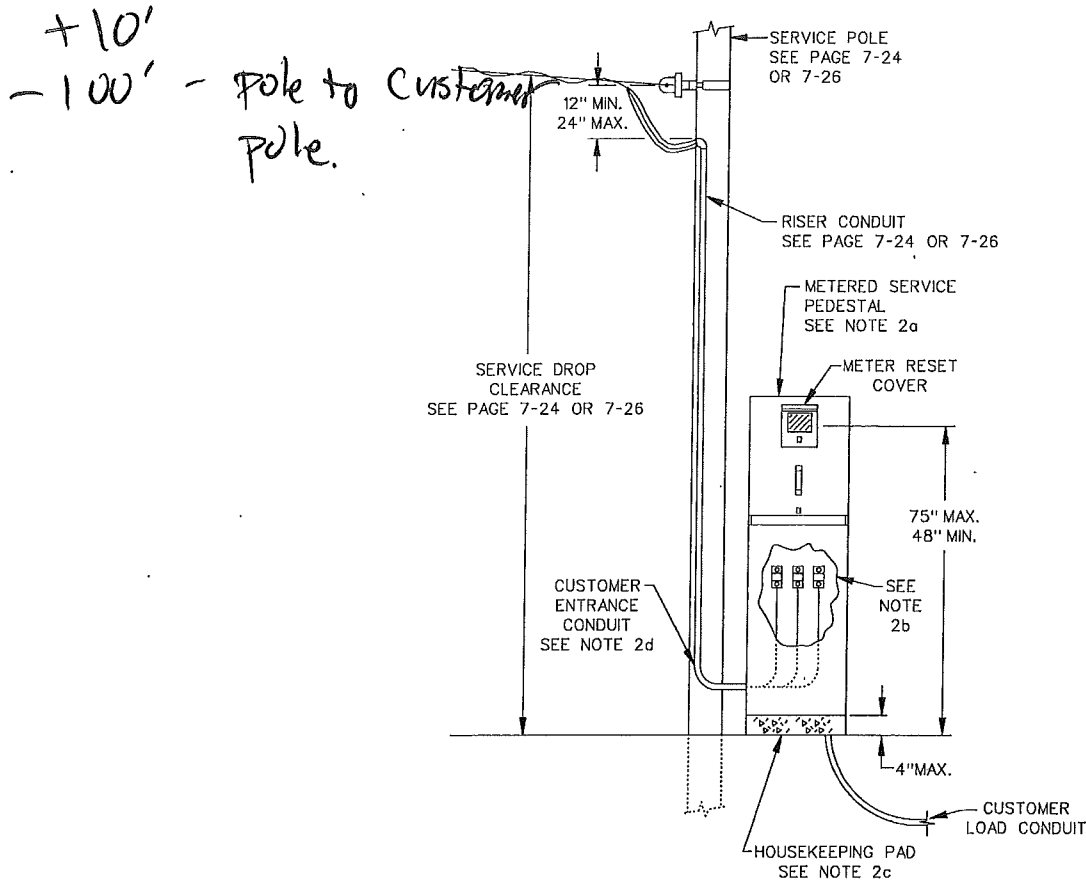


**CUSTOMER-OWNED PERMANENT/TEMPORARY METAL SERVICE POLE (Cont.)**

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.

Date: 10-31-18

**DESIGN AND INSTALLATION GUIDE FOR OVERHEAD SERVICES, 0-600 VOLTS**

**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.

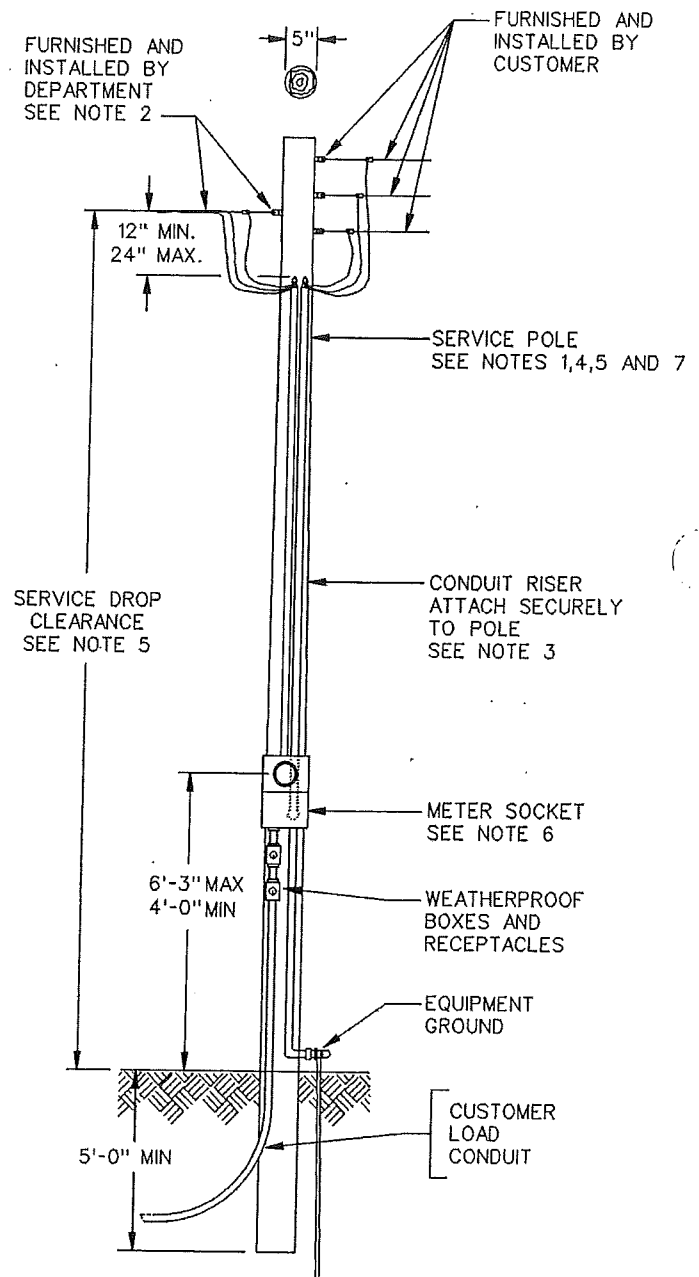
**Note:** Used poles are not acceptable.

- 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.

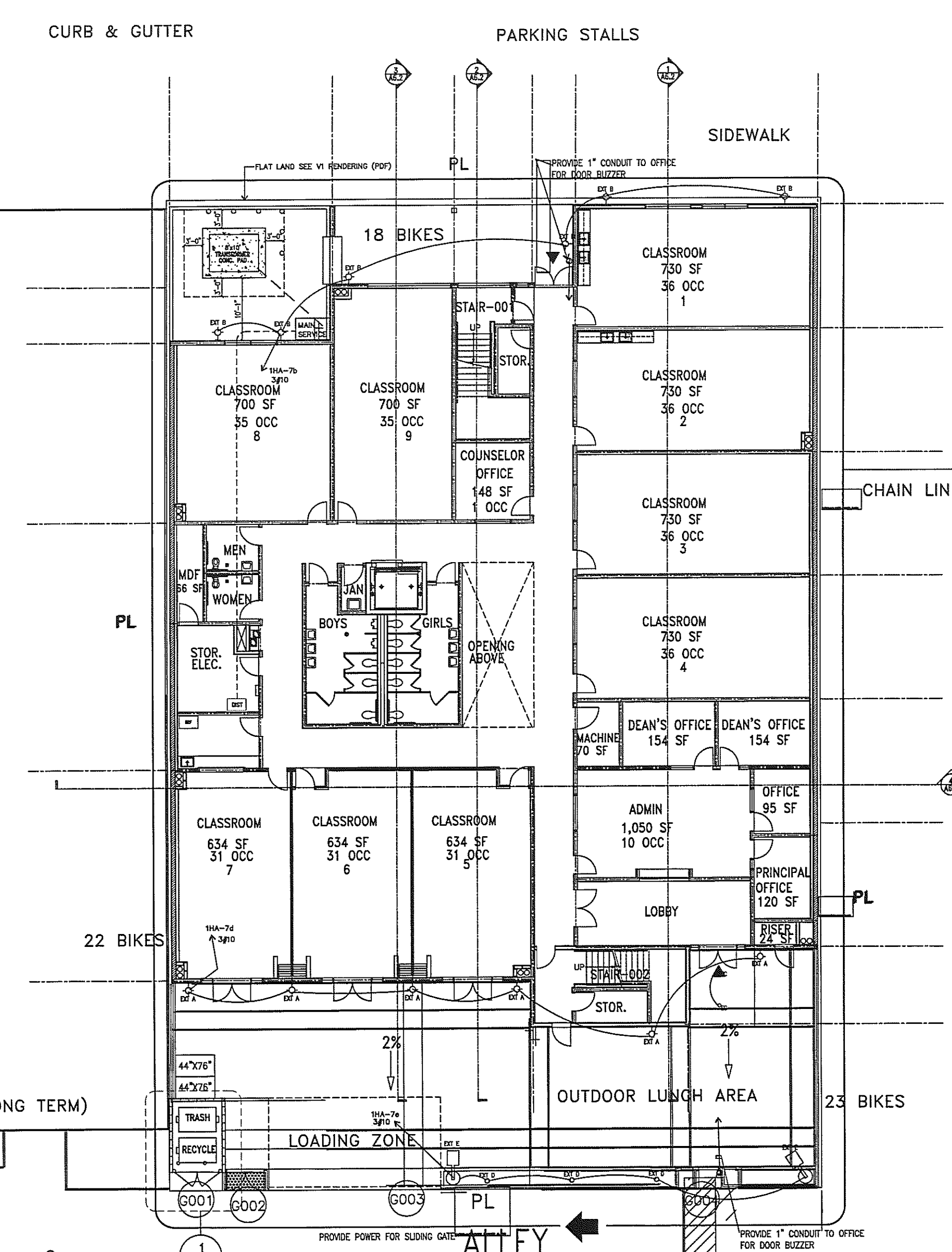
Note: The service equipment short-circuit duty rating must meet or exceed the Department's fault current value for the installation.
8. The numeric portion of the street address shall be provided on the pole on the side facing the street or drivable surface. Plastic or metallic numbers of the type used 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.

REV	DESCRIPTION	DATE

PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DATE	FEB 07 2018
SCALE	AS NOTED
PROJECT NUMBER	E2.1

- 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  
EXTERIOR POLE FOR FIXTURE WITH 1-HEAD; BY DECO LIGHTING  
DP45-5-12-DM1-SLV
- ☐ DUAL CHARGING STATION

SHERMAN WAY



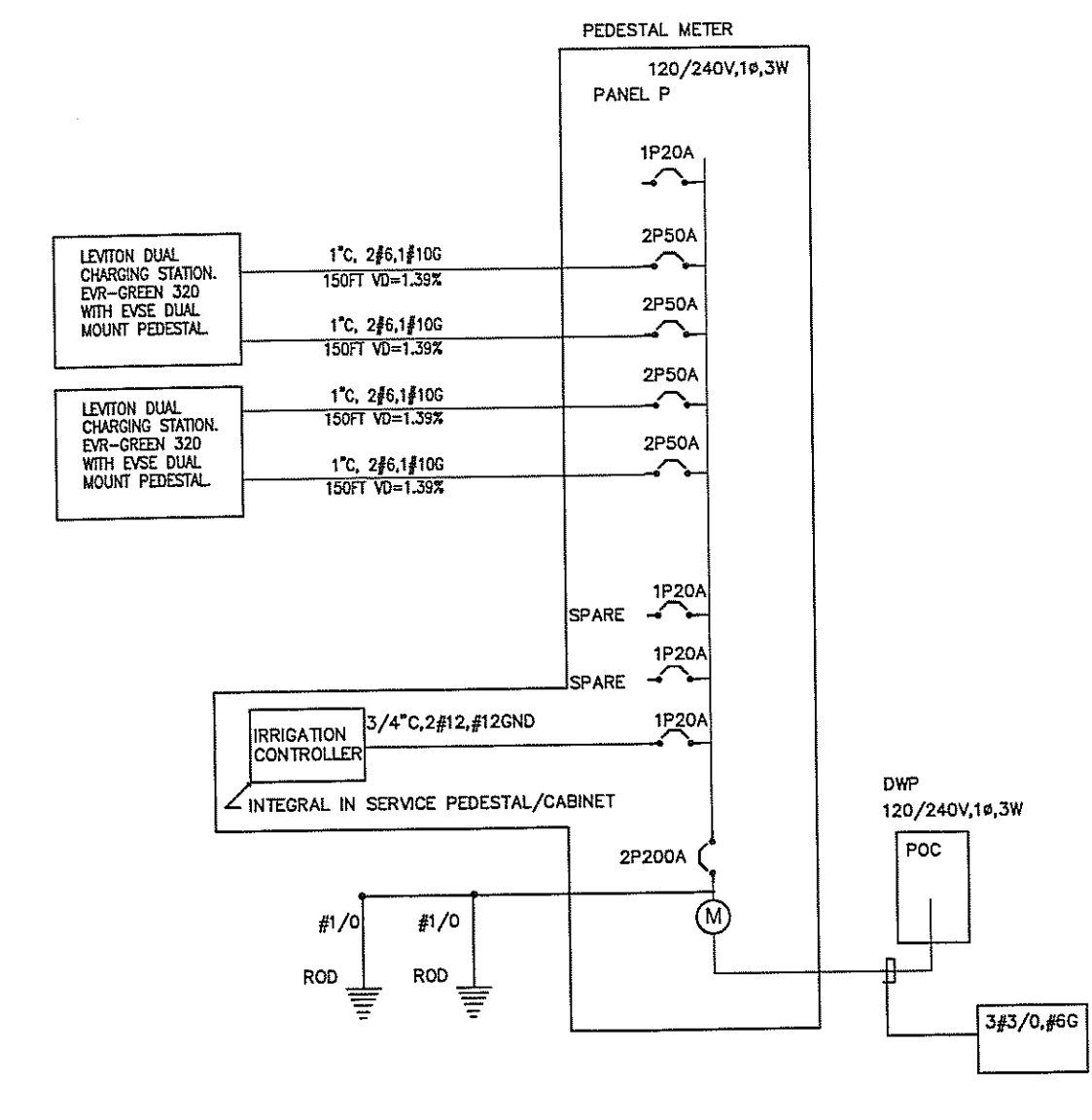
EXISTING BUILDINGS

SCOPE OF WORK

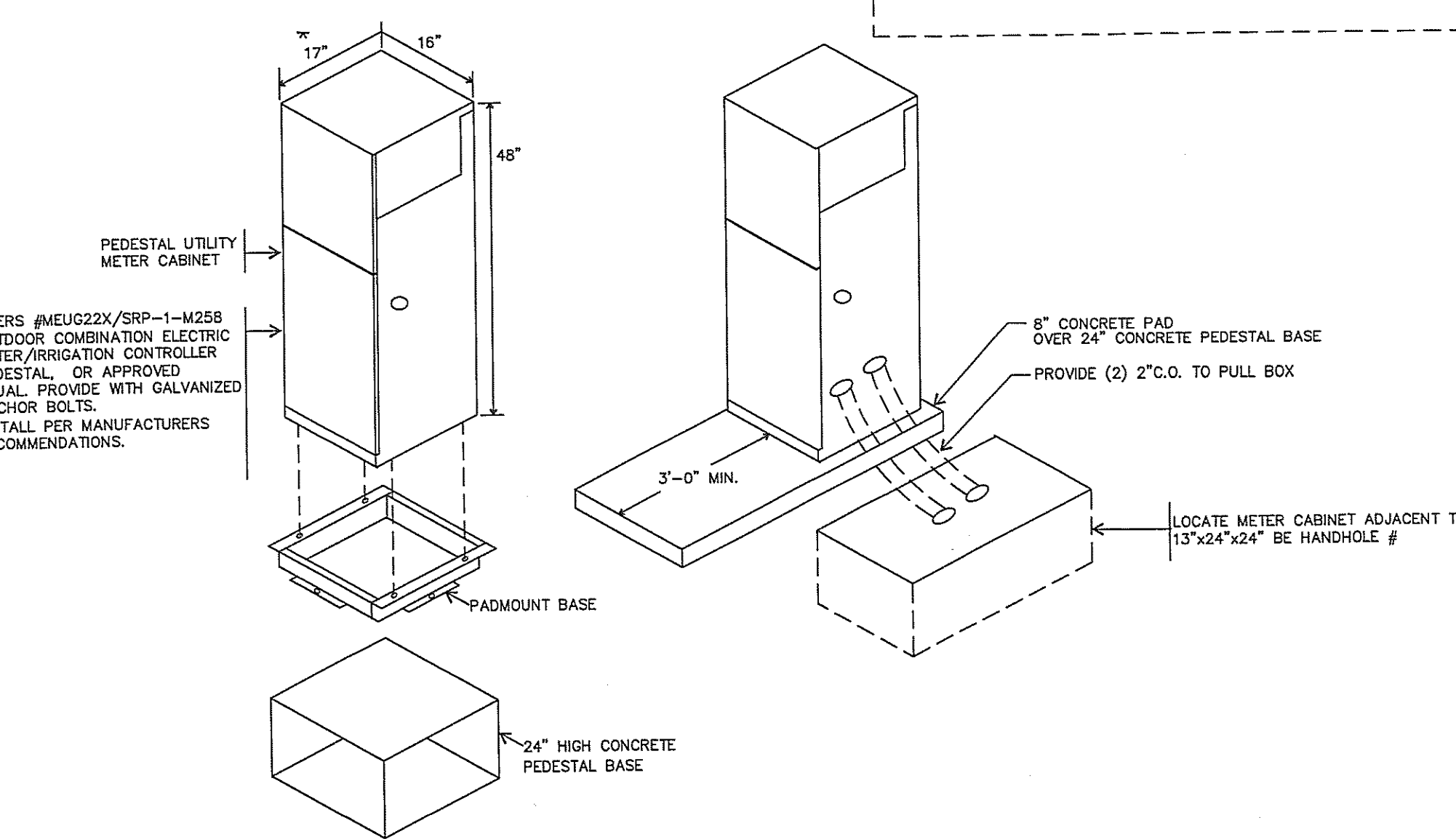
SCOPE OF WORK

SEE DETAILS THIS SHEET FOR AUTO CHARGING STATIONS

SCALE 1"=16'-0"



SINGLE LINE DIAGRAM

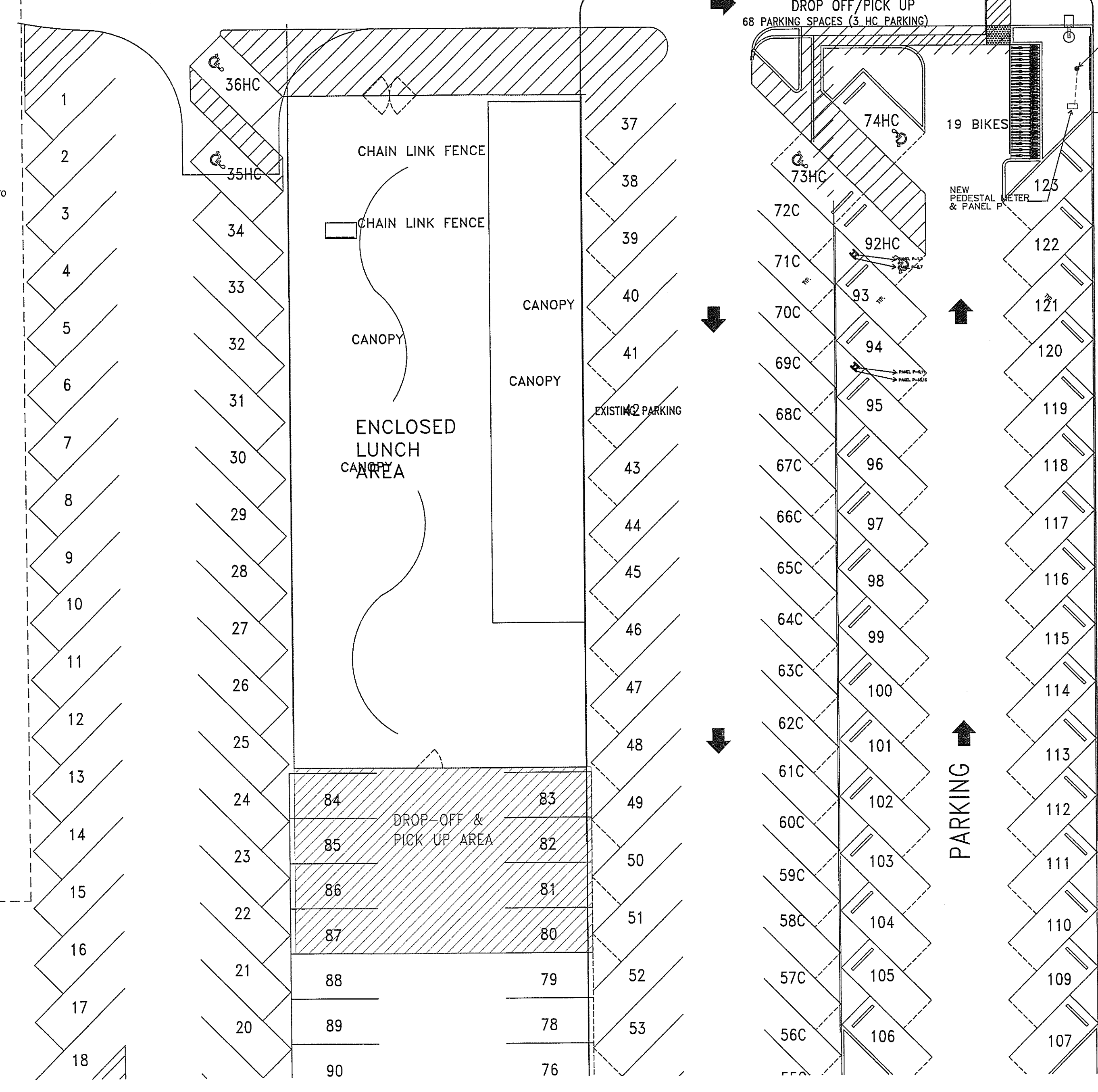


METER CABINET - PEDESTAL MOUNTED

PANEL P	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	-	1	7	2						
			-	1	9	50						
			-	1	13	50						
			-	1	15	2						
				17								
				19								
				21								
				23								
	15360	15360									100	
											15360	15360
											15360	15360

DESIGN: CONN: 30,720VA  
130A

PARKING CHARGING STATIONS - DETAILS

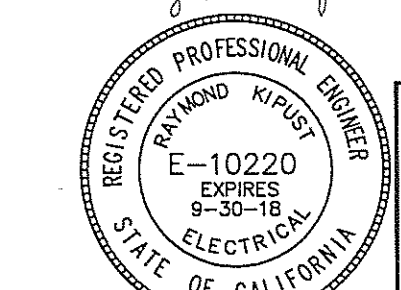


EXISTING PARKING

PARKING



READY TO ISSUE  
BY JIMMY MEJIA (D)  
FEB 07 2018  
Signature



**KE** KIPUST ENGINEERING, INC.  
CONSULTING ELECTRICAL ENGINEERS  
1891 MILLON ST, SHERMAN OAKS, CA 91401  
(818) 780-5354 FAX (818) 780-7038

**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 ommitted 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
	<b>SUBTOTAL:</b>	<b>27,705.00</b>
	Bond	227.00
	Gross Tax	36.00
	GL	269.00
	SDI	347.00
	Fee	1,417.00
	<b>SUBTOTAL:</b>	<b>2,296.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>30,001.00</b>



---

**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 <sup>st</sup> Floor Plan Revision Incorporate SK-015 Incorporate SK-015R	A1.1

5	4 & 5	Roof Deck Revision Parapet Bracing  <b>Final SK-035</b> <b>SK-027 Superseded</b> <b>SK-033 Superseded</b>	A3.1
6	4	Stair 2 Revision Plan Coordination  <b>Incorporate SK-021</b>	A4.0
7	4	Plan Coordination Decorative metal frame  <b>Incorporate SK-013</b>	A4.1
8	4	Tilt Up Wall Detail  <b>Incorporate SK-004</b> <b>Incorporate SSK-003</b>	A5.1
9	4	Stair 2 Ground Floor  <b>Incorporate SK-003RR</b> <b>Incorporate SK-028.2</b>	A6.0
10	4	Low Wall Detail  <b>Incorporate SK-034</b>	A6.2
11	4	Parapet Detail  <b>Incorporate SK-033</b>	<b>A6.8</b>
<b>12</b>	5	<b>Roof Deck Details</b>	<b>A6.9</b>
13	4	Miscellaneous Structural Details  <b>Incorporate SSK-005</b>	<b>S9.0</b>
14	4	Miscellaneous Structural Details	S9.1

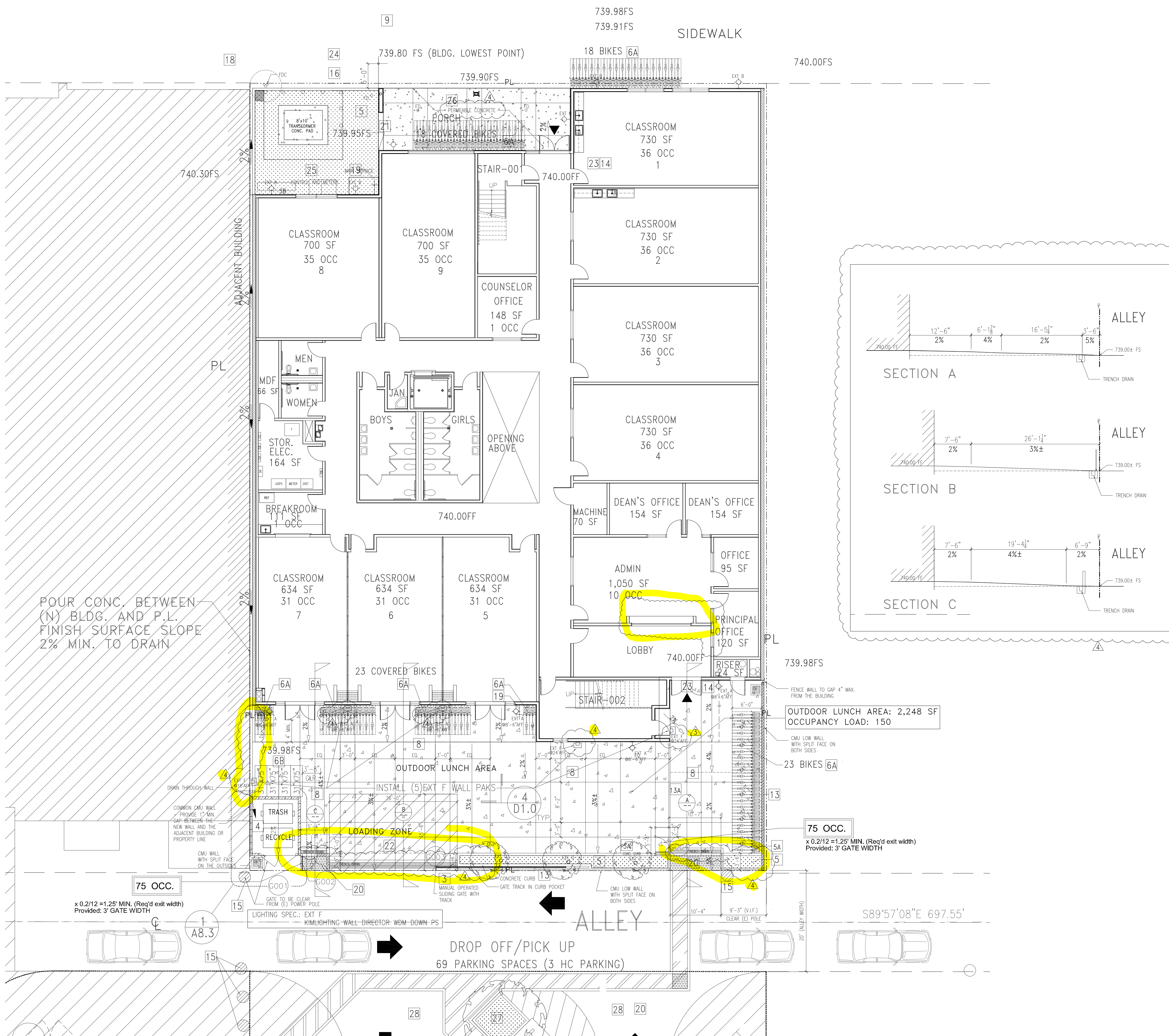
# SHERMAN WAY

CURB & GUTTER

PARKING STALLS

## SITE KEY NOTES

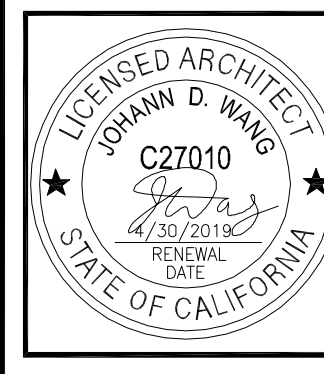
- 1 HC STRIPING, SEE SHEET A0.2 FIG. 11B-502.2, "NO PARKING" SIGN PAINTED IN 12" MIN. PER 11B-812.7.3
- 2 CONCRETE WHEEL STOP TYP. SEE DETAIL 10T.0
- 3 NEW 8'-0" HT. 26'-0" WIDE W.L. SLIDING GATE, SEE DOOR SCHEDULE
- 4 TRASH/RECYCLING ENCLOSURE W/ 6' HT CMU WALL, SEE A8.3
- 5 LANDSCAPE AREA. SEE LANDSCAPE 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



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

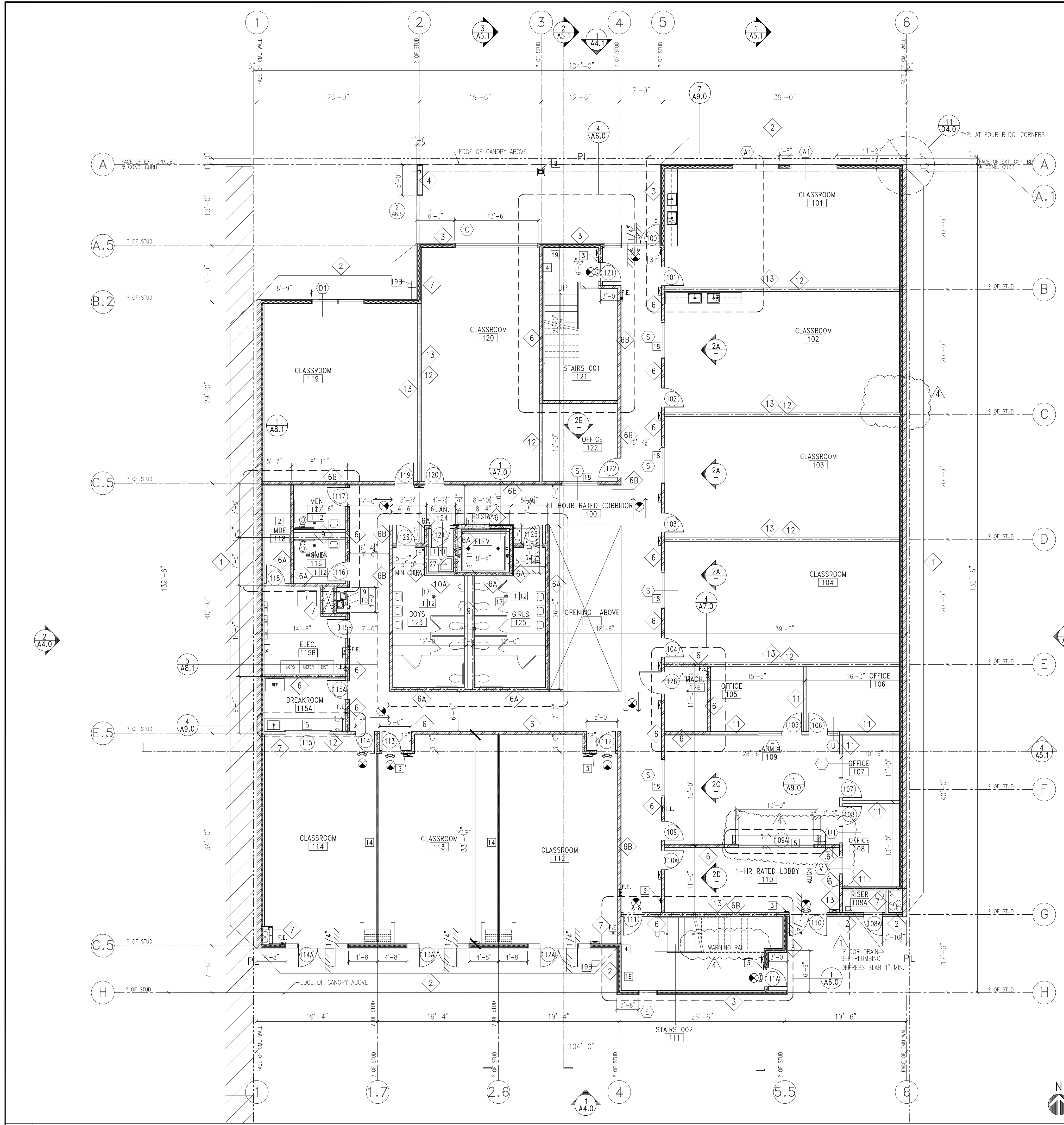
REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	FD PLAN CHECK	6/31/2017
3	FD PLAN CHECK	12/14/2017
4	SUMMARY OF REVISIONS	01/10/2019



PROJECT  
MAGNOLIA SCIENCE ACADEMY  
PROJECT ADDRESS  
18220 SHERMAN WAY, RESEDA, CA 91335  
DRAWING TITLE  
ENLARGED SITE CONSTRUCTION PLAN  
DRAWN BY  
DATE  
JOB NUMBER  
DRAWING SCALE  
AS NOTED  
CHECKED BY  
DRAWING NUMBER

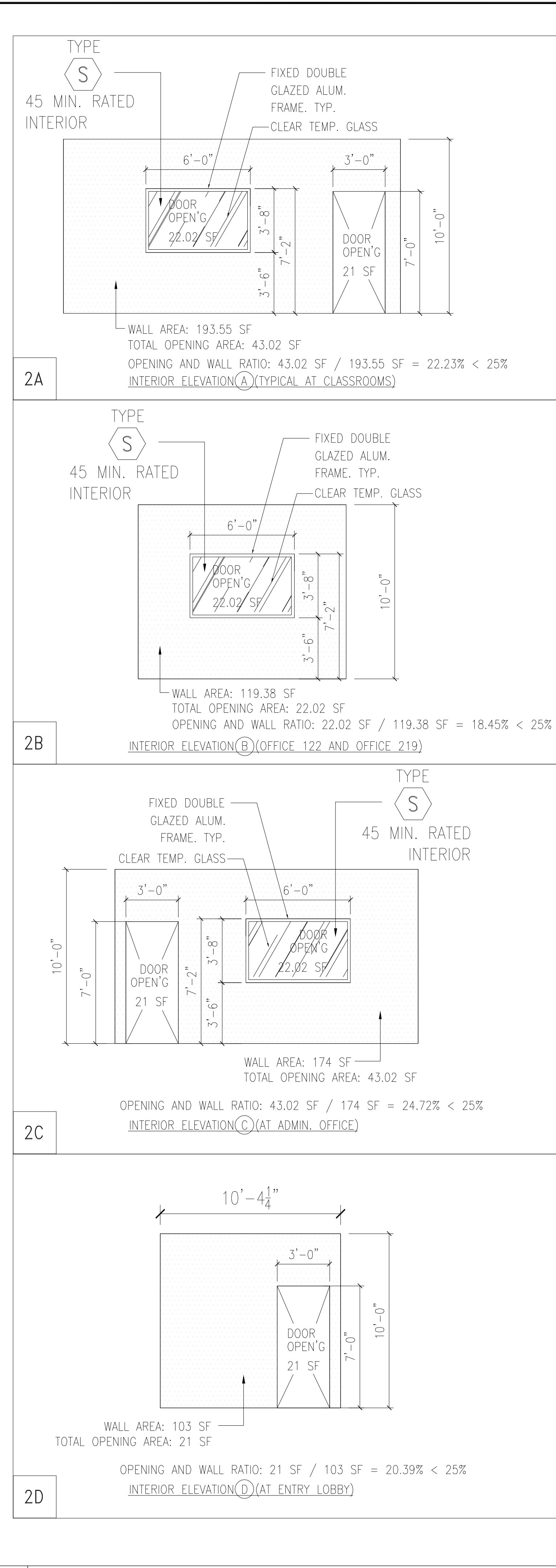
- RE: RF1-071
- INCLUDES:
- PERMEABLE CONCRETE AT NORTH PORCH
  - REMOVE 2 LIGHT POLE AND MOUNT SITE FLOOD LIGHTS ON THE BUILDING ELEVATIONS
  - ADD SITE SLOPE AT THE OUTDOOR AREA SOUTH OF THE BUILDING - SHOWN IN 3 SECTIONS.
  - REMOVE THE WEST FENCE.
  - SHOW TRENCH DRAIN PER CIVIL DESIGN.
  - USE MANUAL SLIDING GATE AT THE ALLEY.

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-RESISTANCE-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-RESISTANCE-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 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
      - IF 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 1478, 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 1650. 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 THE 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 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.
  - 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 170.158) (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 AT THE TOP 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:  
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%.



**2 INTERIOR ELEVATIONS**  
SCALE: 1/4" = 1'-0"

- 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.303.3.5)
- COMPAIRED 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.
- 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)
- PROVIDE APPROVAL FROM MECHANICAL SECTION FOR A 30% REDUCTION IN INDOOR POTABLE WATER USAGE. (AS.303.2.3.1)

**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 NUMBER 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 (D2.0) 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 4 (D2.0) 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 4 (D2.0) 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.
- 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-HR FIRE-RATED BARRIER/DEMISING SHEAR WALL WITH PLYWOOD ONE (CORRIDOR) SIDE. SEE DETAIL 8 (D2.0) 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 (D2.0)
- 1-HR FIRE-RATED BARRIER/DEMISING SHEAR WALL WITH PLYWOOD BOTH SIDES. SEE DETAIL 8B (D2.0) AND SEE STRUCT'L
- 1-HR FIRE-RATED SHAF WALL SEE DETAIL 9 (D2.0) AND STRUCTURAL

**INTERIOR WALLS NON-RATED PARTITIONS**

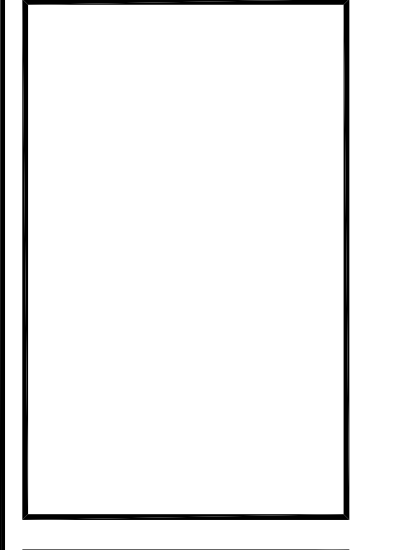
- WOOD STUD DOUBLE PLUMBING WALL 5/8" TYPE X WATER RESISTANT GREEN GYP BD. EXPOSED SIDE, WITH SOUND INSULATION, SEE DETAIL 11 (D2.0)
- STUD WALL AT WET AREA WITH 5/8" WATER RESISTANT GYP. BD. ON EXPOSED SIDE ONLY. SEE DET. 1 (D3.0)
- STUD WALL AT WET AREA WITH 5/8" WATER RESISTANT GYP. BD. BOTH SIDES. SEE DETAIL 1A (D2.0)
- WOOD STUD WALL FULL HEIGHT AND SOUND INSULATION WITH 5/8" WATER RESISTANT BOARD BOTH SIDES WITH SOUND INSULATION.
- DEMISING SHEAR WALL, NON-RATED WITH PLYWOOD ON ONE OR BOTH SIDES. SEE STRUCT'L AND
- 12" LONG 6X6 BLOCKING REQUIRED AT TV TRACKING- HEIGHT TBD.

**CONSTRUCTION PLAN NOTES**

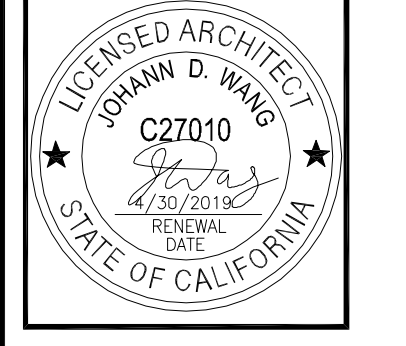
- PROVIDE PRESSURE TREATED FLOOR SILL PLATE ON ALL BATHROOM WALLS, JANITOR'S CLOSET WALLS AND EXTERIOR PERIMETER WALLS ON GROUND FLOOR.
- PROVIDE 3/4" FIRE TREATED PLYWOOD ON ALL WALLS IN MDF ROOM.
- 1011.4 RANDED CHARACTER AND BRAILLE EXIT SIGNS SHALL BE REQUIRED AT THE FOLLOWING LOCATIONS:
  - EACH 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/DS.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/AB.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/DS.0.
- FOLDING WALL: HUFCOR 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 GA 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 I STANDPIPE
- CANOPY
- INSTALL A HOSE BIB AT THIS LOCATION. REFER TO PLUMBING ENGINEERING PLANS FOR FURTHER INFO.
- SEE A.31
- 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**

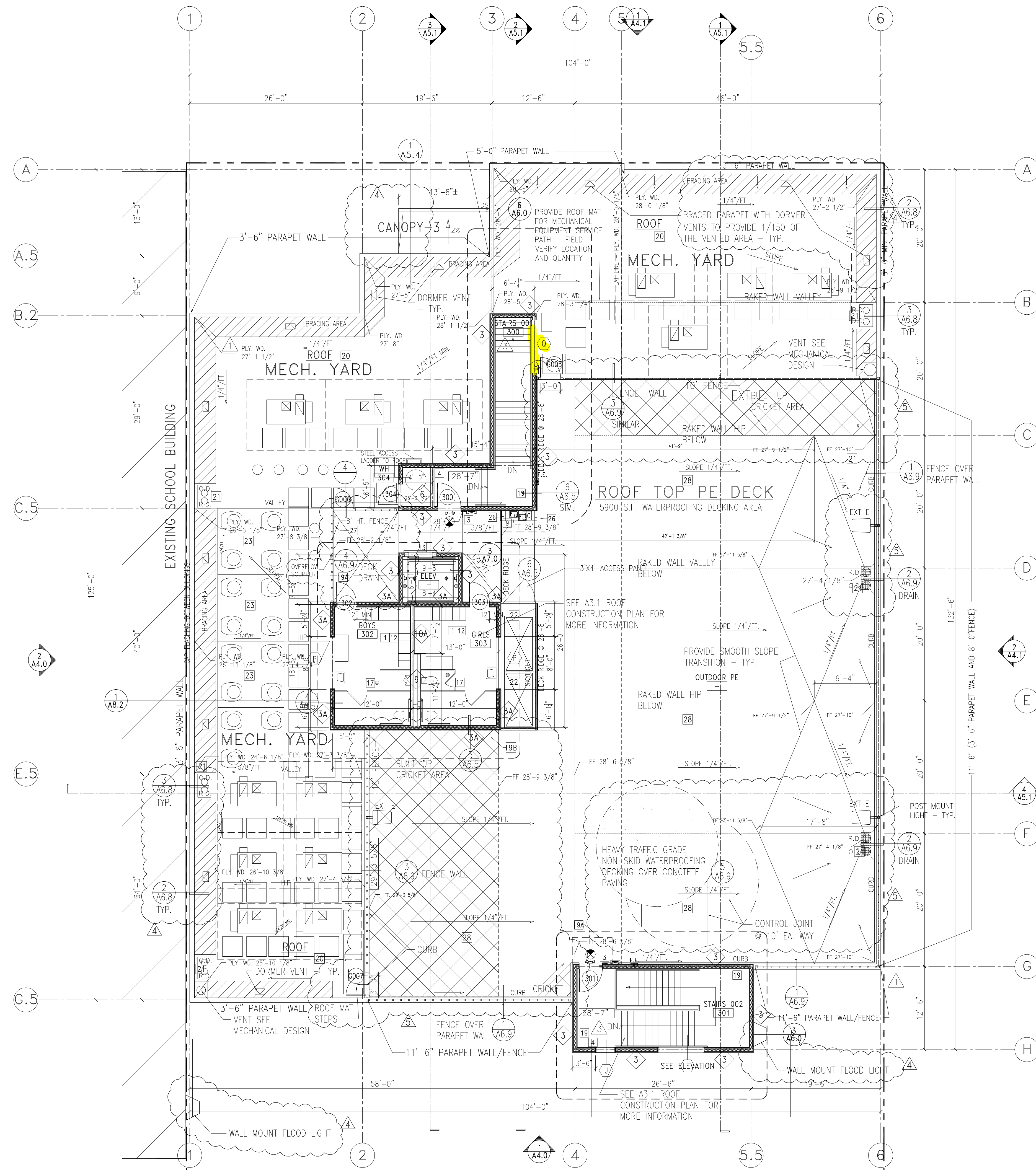
- SEE A2.1 FOR GENERAL NOTES
- CHANGES:  
ENTRY INTERIOR WINDOWS  
STAIR-002 REPLACE WALL WITH RAIL  
REMOVE SHAFT AT LINE G & C



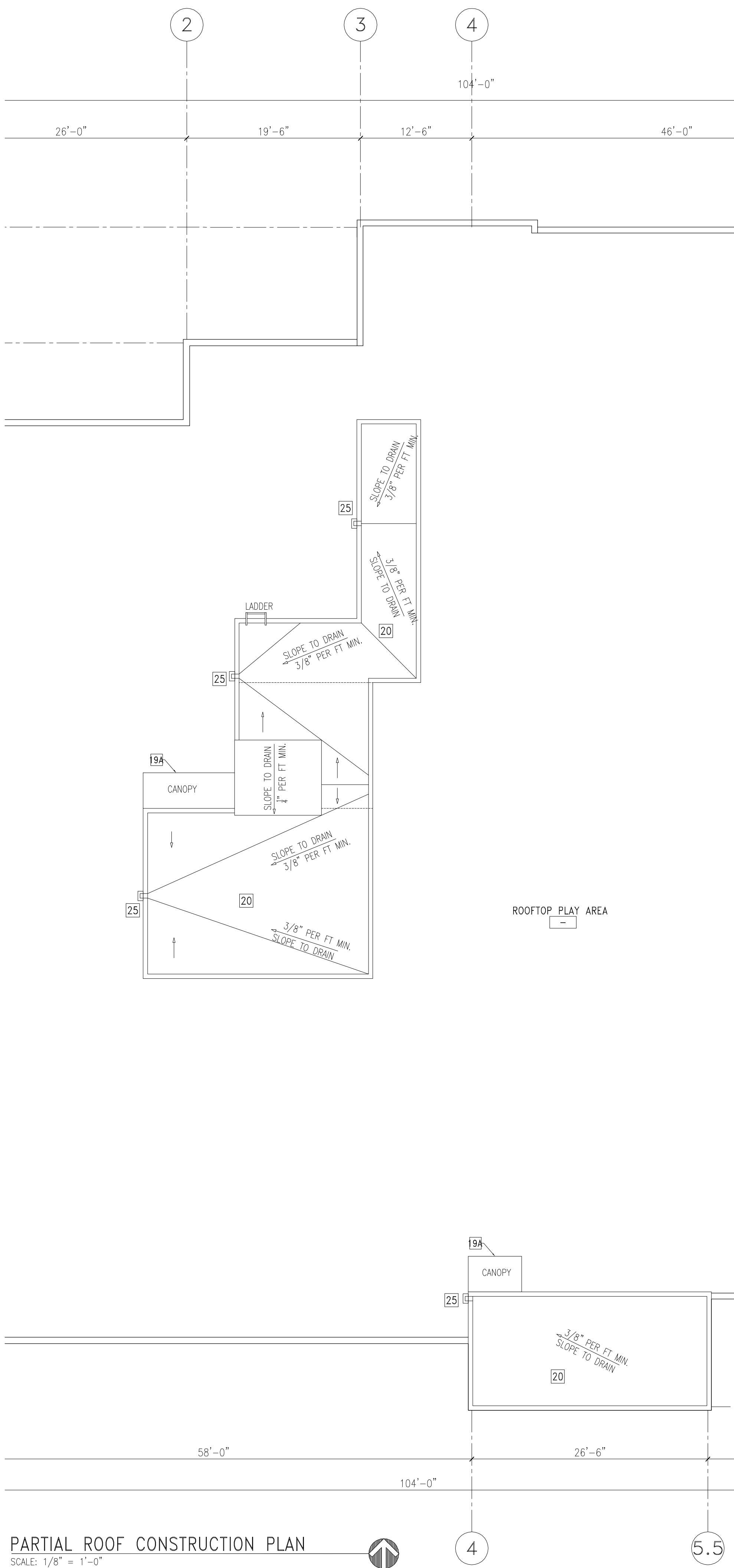
REV.	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	TD PLAN CHECK	6/31/2017
3	TD PLAN CHECK	7/14/2017
4	REMOVE "POC" FROM STANDPIPE	12/02/2018
5	SUMMARY OF REVISIONS	01/19/2019



PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CALIF 91335
DRAWING TITLE	FIRST FLOOR CONSTRUCTION PLAN
DATE	01/10/2019
JOB NUMBER	AS NOTED
DESIGNED BY	
CHECKED BY	
DATE	



**ROOF CONSTRUCTION PLAN**  
SCALE: 1/8" = 1'-0"



**PARTIAL ROOF CONSTRUCTION PLAN**  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES AND CONSTRUCTION PLAN NOTES—SEE A1.1**

**GENERAL CONSTRUCTION NOTES:**

- SEE SEPARATE DISCIPLINE DRAWINGS FOR STRUCTURAL, ELECTRICAL, MECHANICAL, PLUMBING AND LANDSCAPING.
- FIRE SPRINKLERS AND FIRE LIFE SAFETY TO BE DESIGN BUILD AND COVERED UNDER SEPARATE PERMIT.
- NEW SPRINKLER SYSTEM TO BE APPROVED BY FIRE DEPARTMENT PRIOR TO INSTALLATION.
- EVERY OPENING IN EVERY EXTERIOR WALL OR ROOF SURFACE SHALL BE FLASHED WITH SHEET METAL OR APPROVED BUILDING PAPER.
- 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.
- 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
- SEE PLUMBING PLAN FOR CONNECTION FROM ROOF DRAINS AND OVERFLOW DRAINS TO STORMDRAIN.
- 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:**

- 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).
- 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).
- DRAFT-STOPPING MATERIALS MUST NOT BE LESS THAN 3/8" 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)
- FIRE BLOCKING MUST BE PROVIDED IN ACCORDANCE WITH SECTION 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 CEILINGS AND COVE CEILINGS.
  - 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.

**CA GREEN CODE NOTES**

- 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)
- 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)
- 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)
- 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 COMPONENTS 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)
- 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)
- 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))
- 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

**WARRANTY:** DIAMOND PLEDGE ND L — 20 YEARS UNLIMITED

**WALKWAY PADS:** MINERAL-GRANULE-SURFACED, REINFORCED ASPHALTIC COMPOSITION, SUP-RESISTING PADS. PAD SIZE: 4'X4'.  
**WALKWAY 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**

**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

- FURRING WALLS CMU WALL-5/8" TYPE 'X' GYP ONE SIDE, EXTERIOR PLASTER TROWL APPLIED. SEE DETAIL 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 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 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.
- 2-HR EXTERIOR STUCCO WALL @ NORTH CANOPY, SEE DETAIL AND STRUCT'L DETAIL. PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3.

**INTERIOR WALLS 1 HOUR FIRE RATED PARTITIONS**

- 1-HR FIRE-RATED PARTITION/DEMISING SHEAR WALL WITH PLYWOOD ONE (CORRIDOR) SIDE. SEE DETAIL AND SEE STRUCT'L.
- 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 AND SEE STRUCT'L.
- 1-HR FIRE-RATED PARTITION/DEMISING SHEAR WALL WITH PLYWOOD BOTH SIDES. SEE DETAIL AND SEE STRUCT'L.
- 1-HR FIRE-RATED SHAFT WALL, SEE DETAIL 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.
- STUD WALL AT WET AREA WITH 5/8" WATER RESISTANT GYP. BD. ON EXPOSED SIDE ONLY. SEE DET.
- STUD WALL AT WET AREA.
- WOOD STUD WALL FULL HEIGHT AND SOUND INSULATION WITH 5/8" WATER RESISTANT GYP. BD. BOTH SIDES. SEE DETAIL.
- WOOD STUD WALL FULL HEIGHT WITH 5/8" GYP. BOARD BOTH SIDES WITH SOUND INSULATION.
- DEMISING SHEAR WALL, NON-RATED WITH PLYWOOD ON ONE OR BOTH SIDES. SEE STRUCT'L AND

**CONSTRUCTION PLAN NOTES**

- SEE A1.1
- INSTALL A HOSE BIB AT THIS LOCATION. REFER TO PLUMBING ENGINEERING PLANS FOR FURTHER INFO.
- INSTALL NEW FIRE CLASS 'A', 5-PLY, BUILT-UP ROOF. SUPPLY A 20 YEAR MINIMUM WARRANTY.
- ROOF DRAINS/OVERFLOW DRAINS. FOR ROOF DRAINS/OVERFLOW DRAINS EXITING THE BUILDING, SEE DETAIL.
- 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
- MECHANICAL PLATFORM-RAISED 12", SLOPE 1/4" PER FT. TO DRAIN, SEE MECHANICAL -TYP.
- 3 1/2" MIN. CONC. SLOPE 1% MIN. OVER W.P. SLOPE 2% MIN. O/ROOF DECKING
- SCUPPER DRAIN AND OVERFLOW 5/A6.8
- LOW WALL-ALCOVE WITH MIN. 7'-0" CEILING
- ADD DIRECTION SIGN: "ROOF ACCESS LADDER"
- CONCRETE ROOF DECK, SEE DETAIL 5/A6.9

**ROOF CONSTRUCTION NOTES:**

- ROOF TO BE CONSTRUCTED AS A FIVE PLY CLASS A FIRE-RATED BUILT-UP ROOF ASSEMBLY.
- ROOF ASSEMBLY TO BE LISTED BY AN APPROVED TESTING AGENCY.
- ROOF TO CARRY NDL UNLIMITED 20 YEAR WARRANTY.
- 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".
- INSTALL FOUR PLY SHEETS STARTING AT LOW POINT OF ROOFING SYSTEM. ALIGN PLY SHEETS WITHOUT STRETCHING. SINGLE SIDE LAPS OF PLY SHEETS UNIFORMLY 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.
- GROUP E OCCUPANCIES SHALL BE PROVIDED WITH A FIRE RETARDANT ROOF IN ACCORDANCE WITH BUILDING CODE 1505 AND TABLE 1505.1.
- SIZE THE ROOF DRAINS AND OVERFLOW DRAINS ACCORDING TO THE CHAPTER 11 OF THE LAPC (1503.4) SEE PLUMBING PLAN
- ROOF DRAIN AND OVERFLOW DRAIN MUST BE INDEPENDENT LINES TO STORM DRAIN SYSTEM. SEE PLUMBING PLAN FOR ROOF DRAIN DIAGRAM
- ROOF DRAINAGE IS NOT PERMITTED TO FLOW OVER PUBLIC PROPERTY. REFER TO "ROOF PLAN KEY NOTES" AT LEFT FOR ADDITIONAL INFORMATION.

**FRANCO ARCHITECTS INC.**  
12345 Ventura Blvd. H  
Studio City, CA 91604  
Tel: 818 754-2030  
Fax: 818 754-2035  
Architecture and Planning

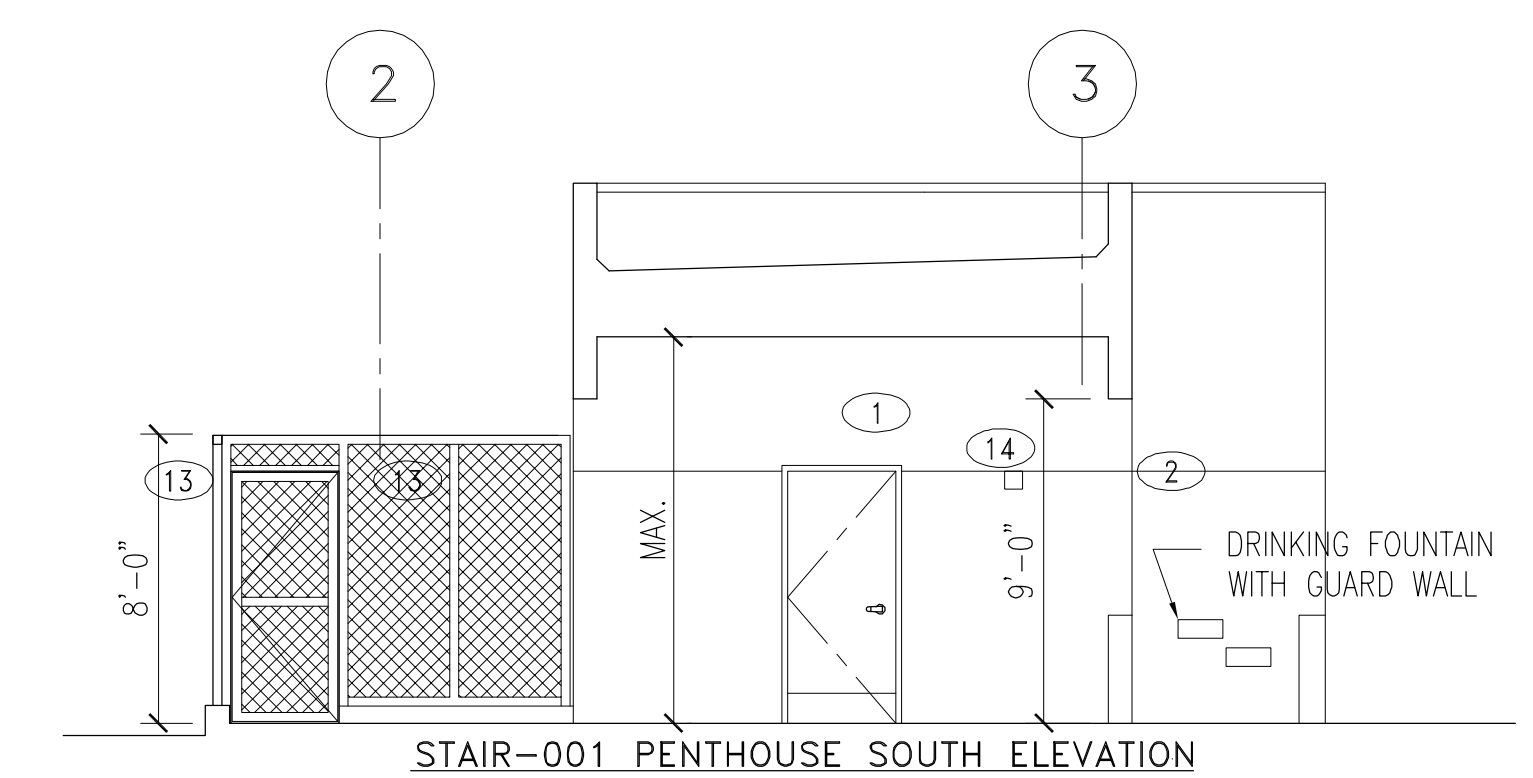
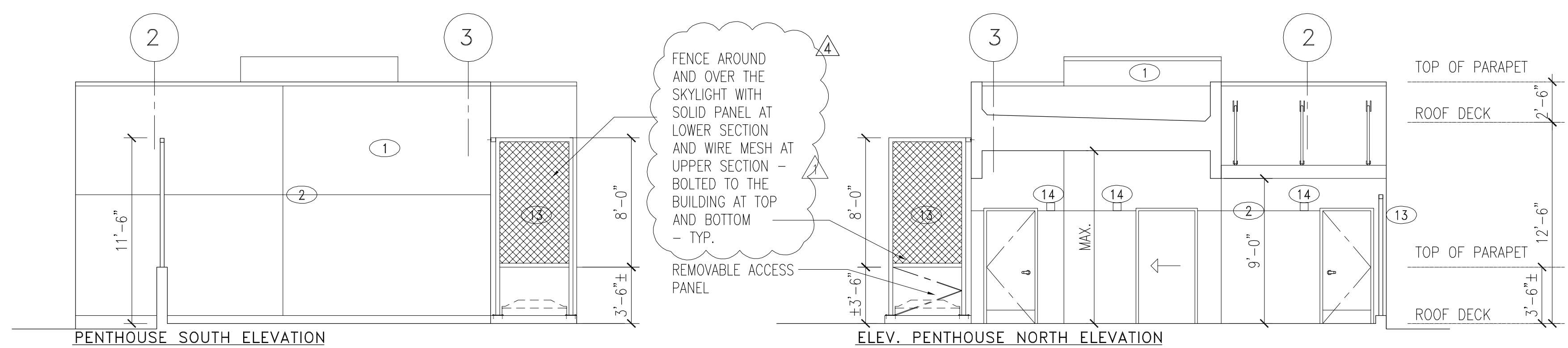
**MAGNOLIA SCIENCE ACADEMY**  
18220 SHERMAN WAY, RESEDA, CA 91335

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	TD PLAN CHECK	6/31/2017
3	TD PLAN CHECK	7/14/2017
4	COORDINATION	06/11/2018
5	REMOVE POC	12/02/2018
6	SUMMARY OF REVISIONS	01/10/2019
7	COORDINATION	01/10/2019
8	BUILDING-2	01/10/2019

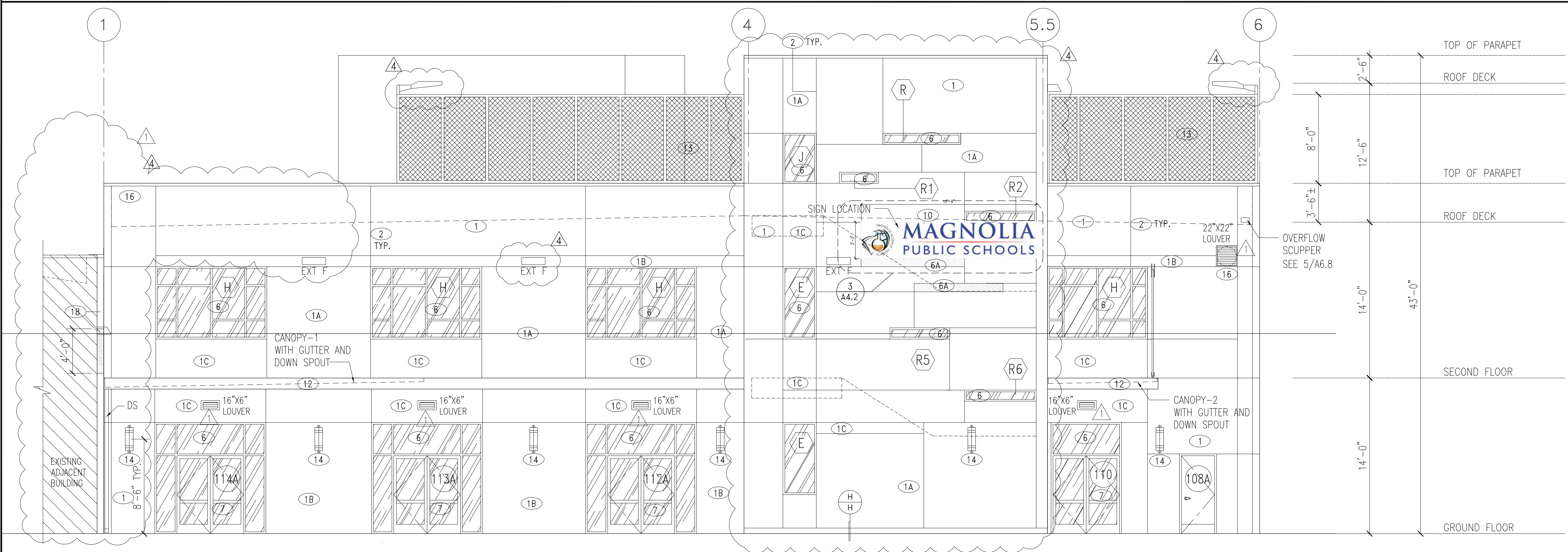
**ROOF CONSTRUCTION PLAN**

DATE: 01/10/2019  
DRAWN BY: AS NOTED

**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 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%)

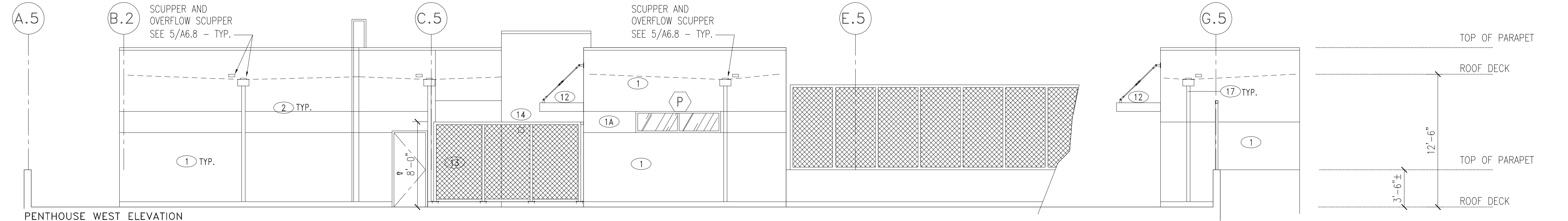
GLAZED SURFACE = 300 SF (20.6%)

**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**

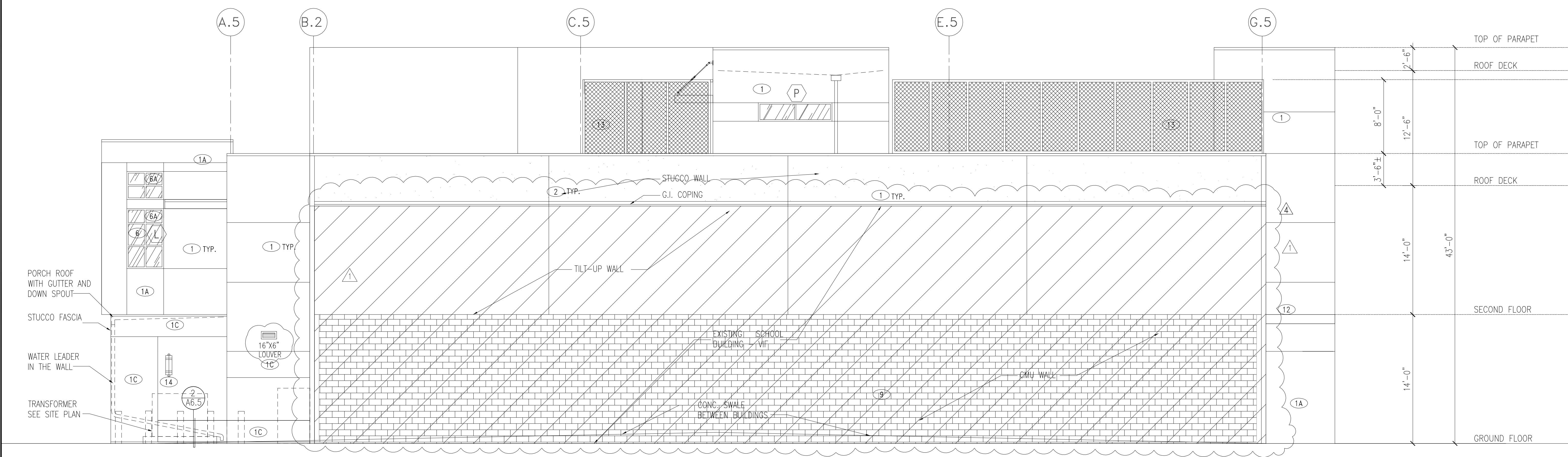
SOLID SURFACE = 1,456 SF (100%)

GLAZED SURFACE = 0 SF (0%)

**SECOND FLOOR SURFACE = 1,456 SF**

SOLID SURFACE = 1,456 SF (100%)

GLAZED SURFACE = 0 SF (0%)

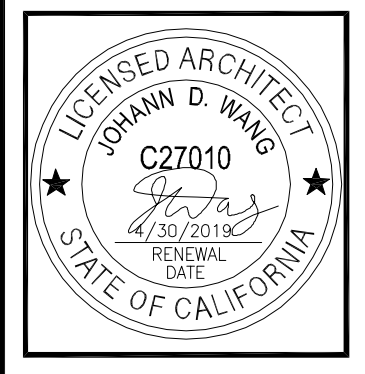


2 WEST ELEVATION  
SCALE: 3/16" = 1'-0"

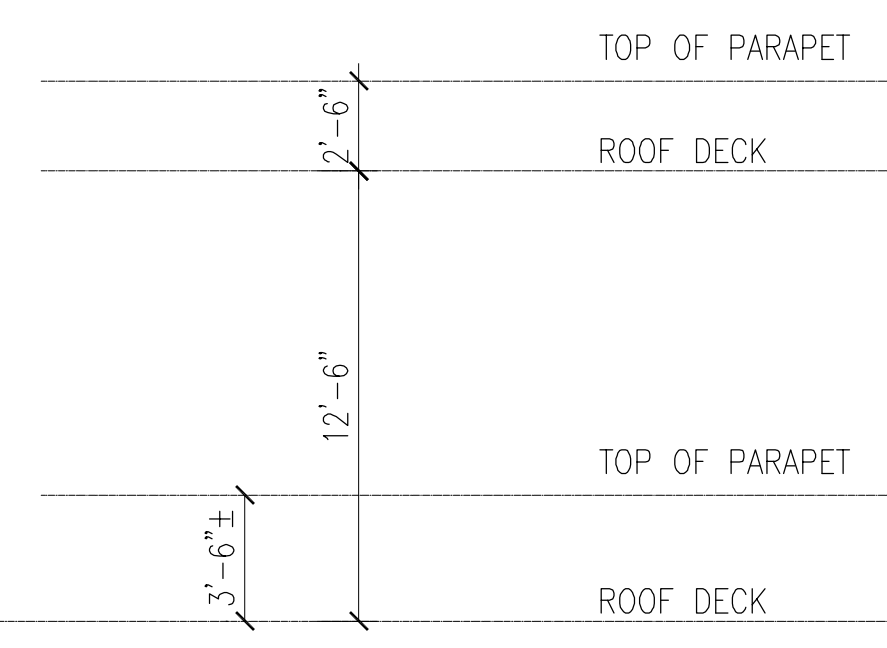
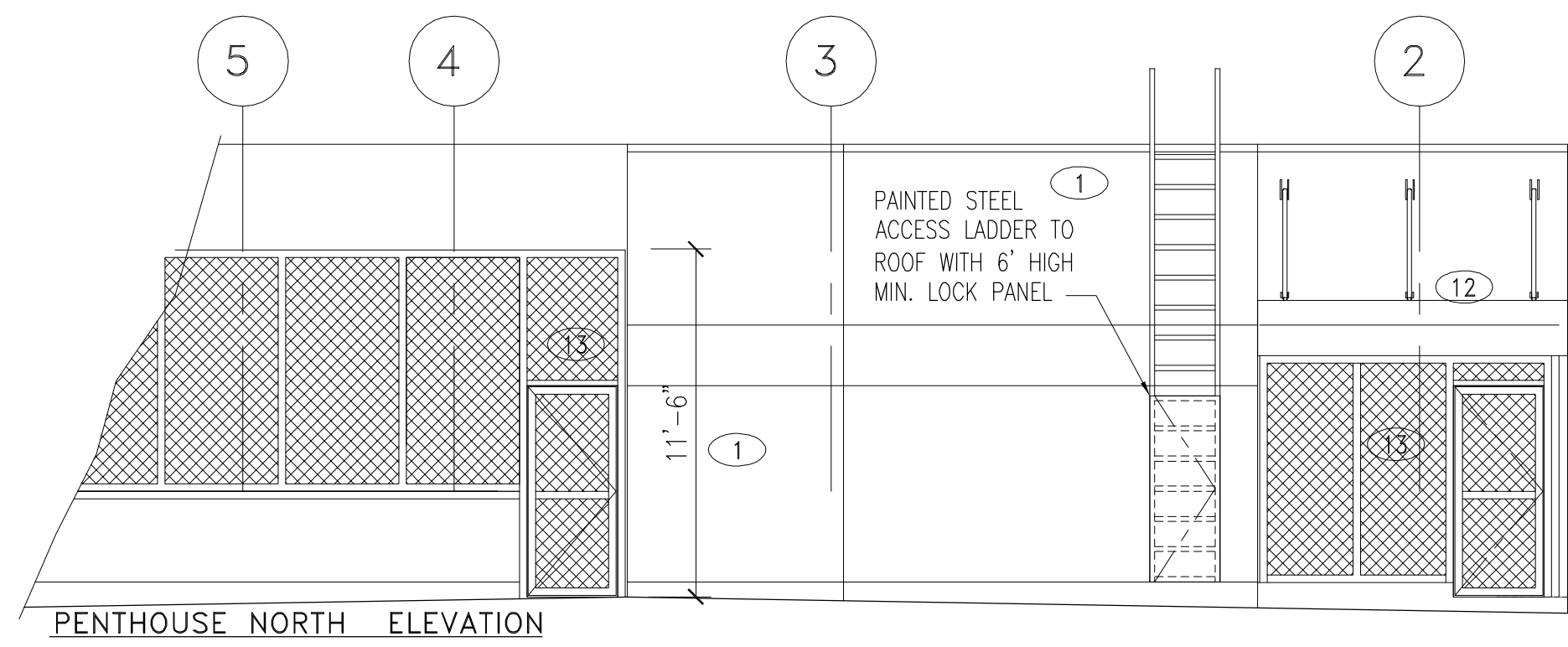
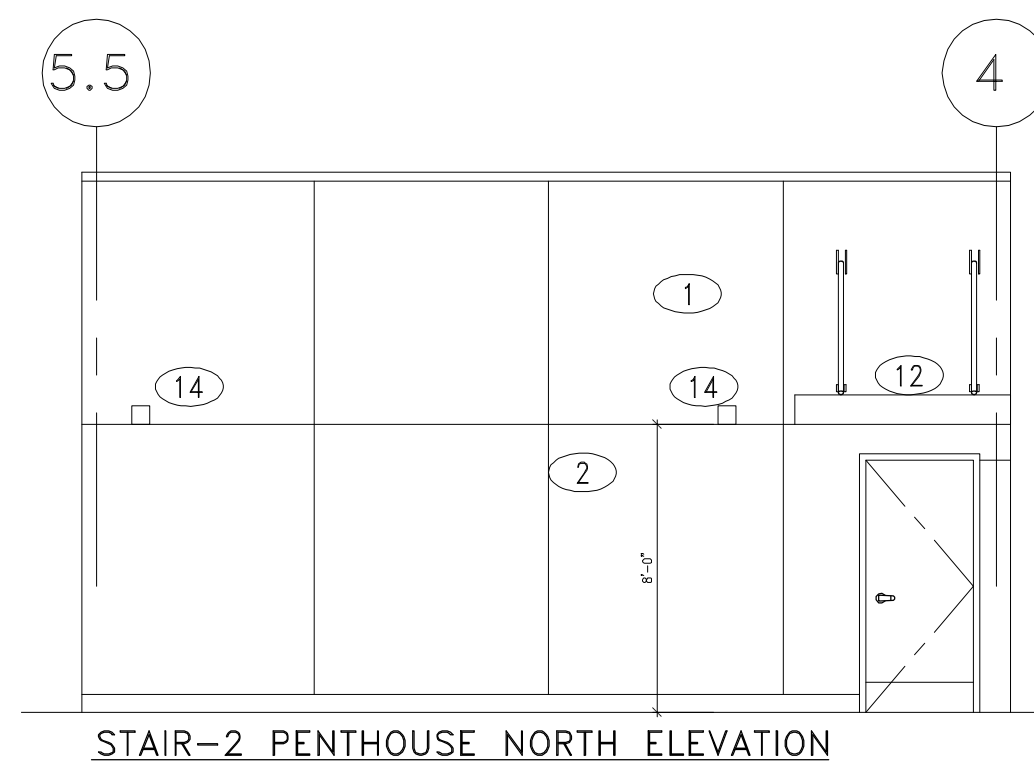
RE: RFI-013.1, RFI-013.2, SK-021

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

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	
DRAWN BY	DATE
01/10/2019	
CHECKED BY	DATE
AS NOTED	
PROJECT NUMBER	



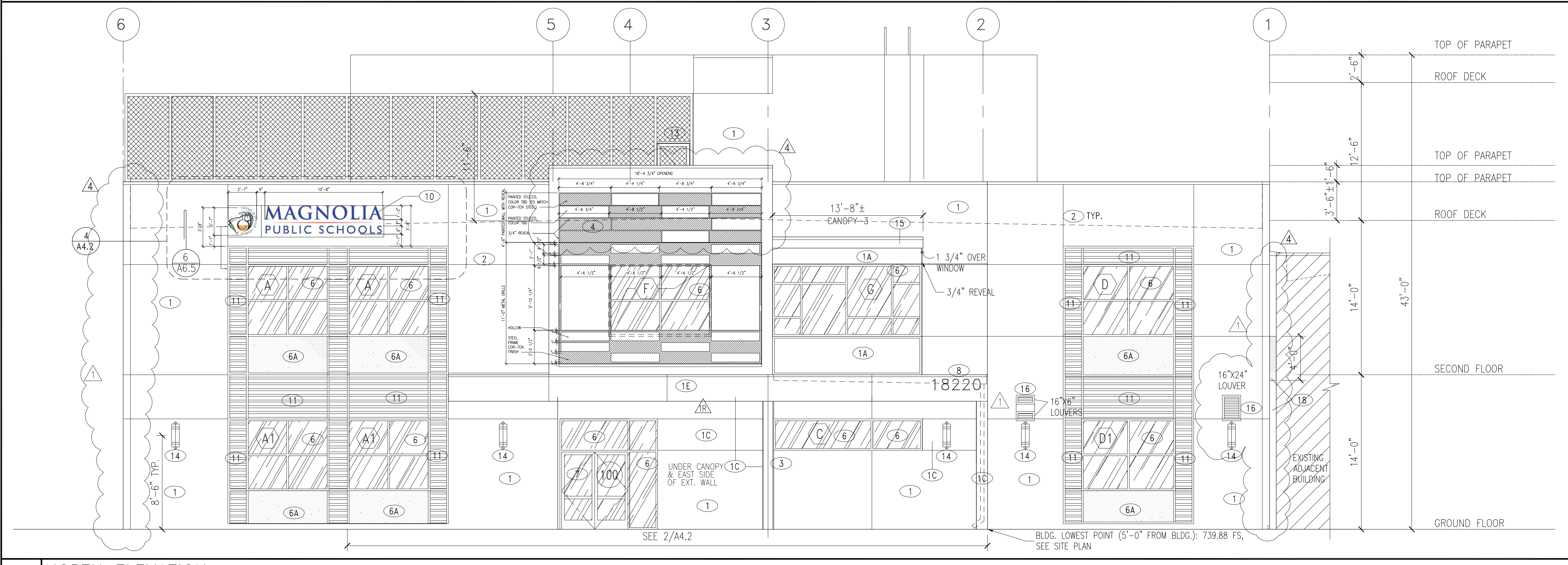
- LEGEND:**
- 1 PTD. STUCCO W/ LATH, O/ WEATHER BARRIER 0/5/8" EXT. GYP. BD, O/ EXT. PLYWOOD O/ FIRE RETARDANT TREATED WOOD FRAMING
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  - 3A STUCCO: ACCENT COLOR-LIGHT GRAY, TBD
  - 3B STUCCO: ACCENT COLOR-DARK GRAY, TBD
  - 3C STUCCO: ACCENT COLOR-BLUE, TBD
  - 3D STUCCO: ACCENT COLOR-MATCH STEEL PLATE (COR-TEN FINISH)
  - 3E 22 GA. MTL. GUTTER FASCIA (SEE 1/A4.4); PAINT COLOR-BLUE, TBD
  - 4 3/4" ALUM. REVEAL/CONTROL JOINT, TYP. SEE 18/D1.0
  - 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.
  - 5 20GA WEATHERED SHEET METAL CLADDING (COR-TEN FINISH) OVER 5/8" "X" GYP. BD O/ STRUCTURAL STEEL COLUMN
  - 6 CUT OUT STEEL PLATE, WEATHERED STEEL (COR-TEN FINISH)
  - 7 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)
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  - 9 6'-0" W X 7'-0" HT. PAIR OF STOREFRONT TEMPERED GLASS DOORS CLEAR ANODIZED ALUMINUM FRAME.
  - 10 BUILDING ADDRESS SUBMIT SHOP DRAWINGS FOR ARCHITECTS APPROVAL
  - 11 REINFORCED CMU WALL - PAINTED
  - 12 SCHOOL SIGN AND LOGO, SEE 3&4/A4.2 SUBMIT SHOP DRAWINGS FOR ARCHITECTS APPROVAL
  - 13 TRAPEZOIDAL CORRUGATED STEEL PANEL, METALTECH-USA TRAPEZOIDAL CORRUGATE OR EQUAL, FINISH-TBD
  - 14 CANOPY OVERHEAD, SEE STRUCTURAL
  - 15 W.I. FENCE W/ PAINTED PERFORATED METAL PANELS.
  - 16 LIGHT FIXTURE PER SCHEDULE
  - 17 CANTILEVERED CANOPY
  - 18 VENT LOUVER - PAINTED TO MATCH ADJACENT WALL
  - 19 PAINTED G.I. GUTTER AND DOWN SPOUT
  - 20 PAINTED G.I. GAP COVER - PROVIDE 4" PERFORATED G.I. SECTION TO ALLOW 50 SQUARE INCH VENTED AREA WITH INSECT SCREEN

**NORTH ELEVATION**

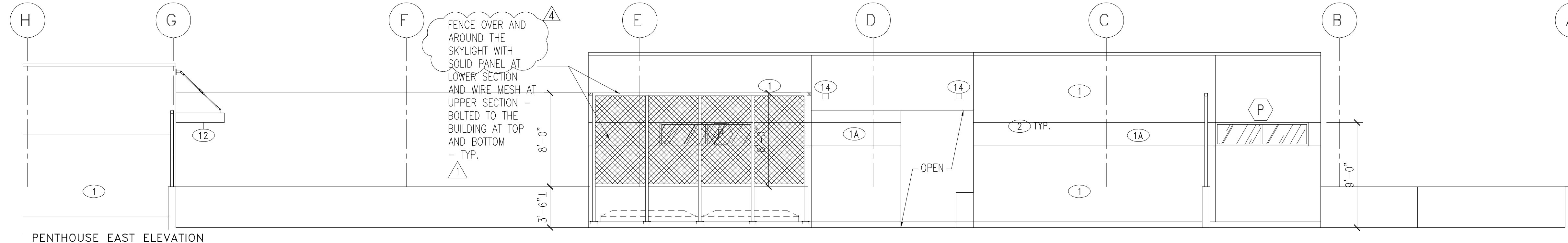
TOTAL SURFACE = 2,912 SF  
 SOLID SURFACE = 2,263.5 SF (78%)  
 GLAZED SURFACE = 648.5 SF (22%)

FIRST FLOOR SURFACE = 1,456 SF  
 SOLID SURFACE = 1,127.5 SF (77.4%)  
 GLAZED SURFACE = 328.5 SF (22.6%)

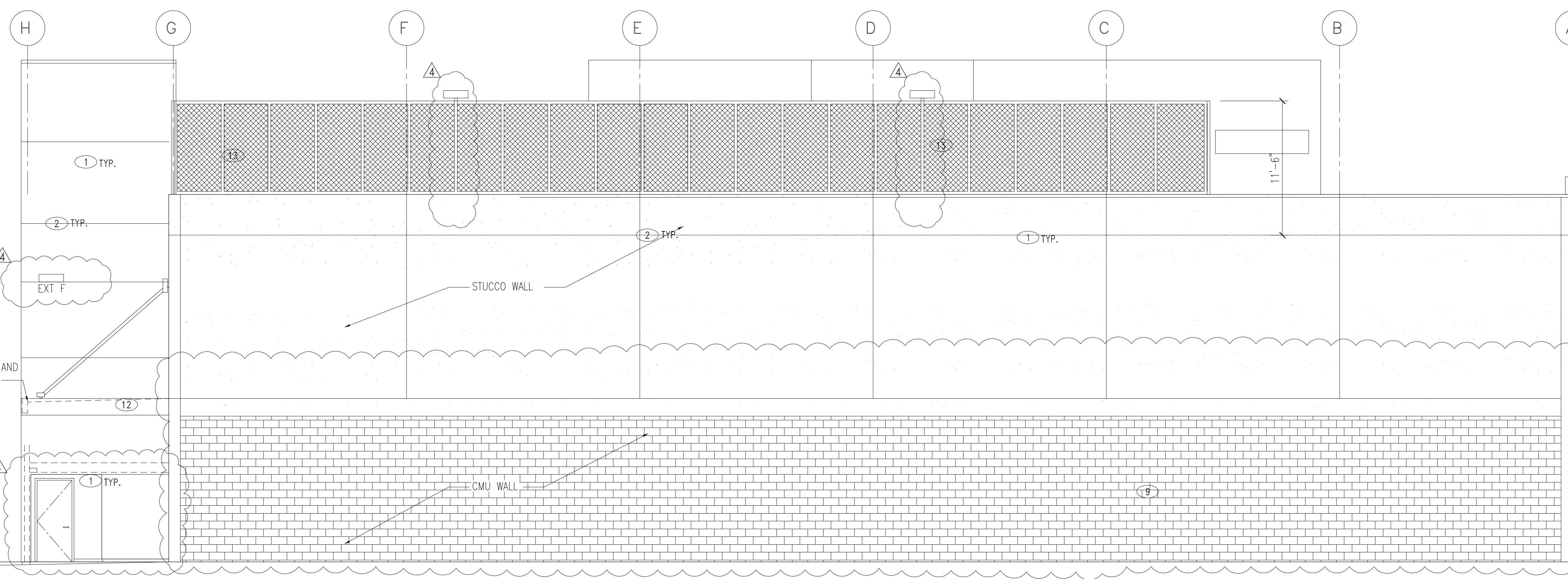
SECOND FLOOR SURFACE = 1,456 SF  
 SOLID SURFACE = 1,136 SF (78%)  
 GLAZED SURFACE = 320 SF (22%)



**1 NORTH ELEVATION**  
 SCALE: 3/16" = 1'-0"



**PENTHOUSE EAST ELEVATION**



**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%)

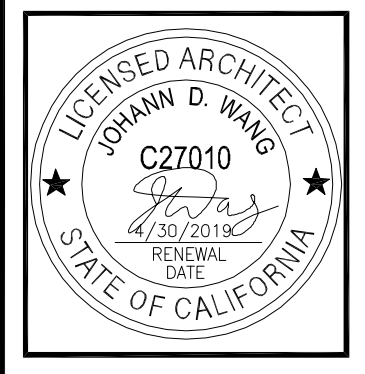
SECOND FLOOR SURFACE = 1,456 SF  
 SOLID SURFACE = 1,456 SF (100%)  
 GLAZED SURFACE = 0 SF (0%)

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

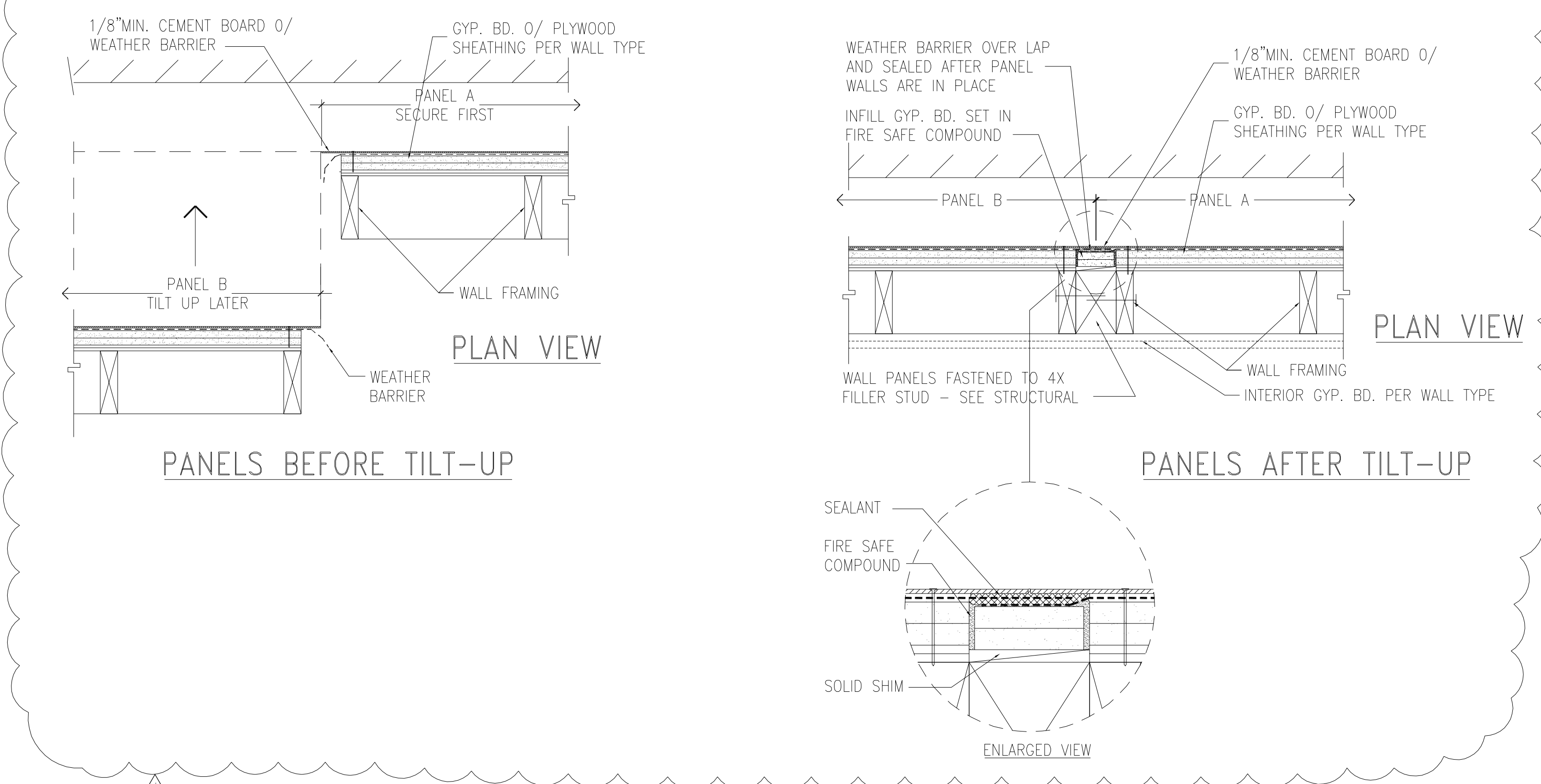
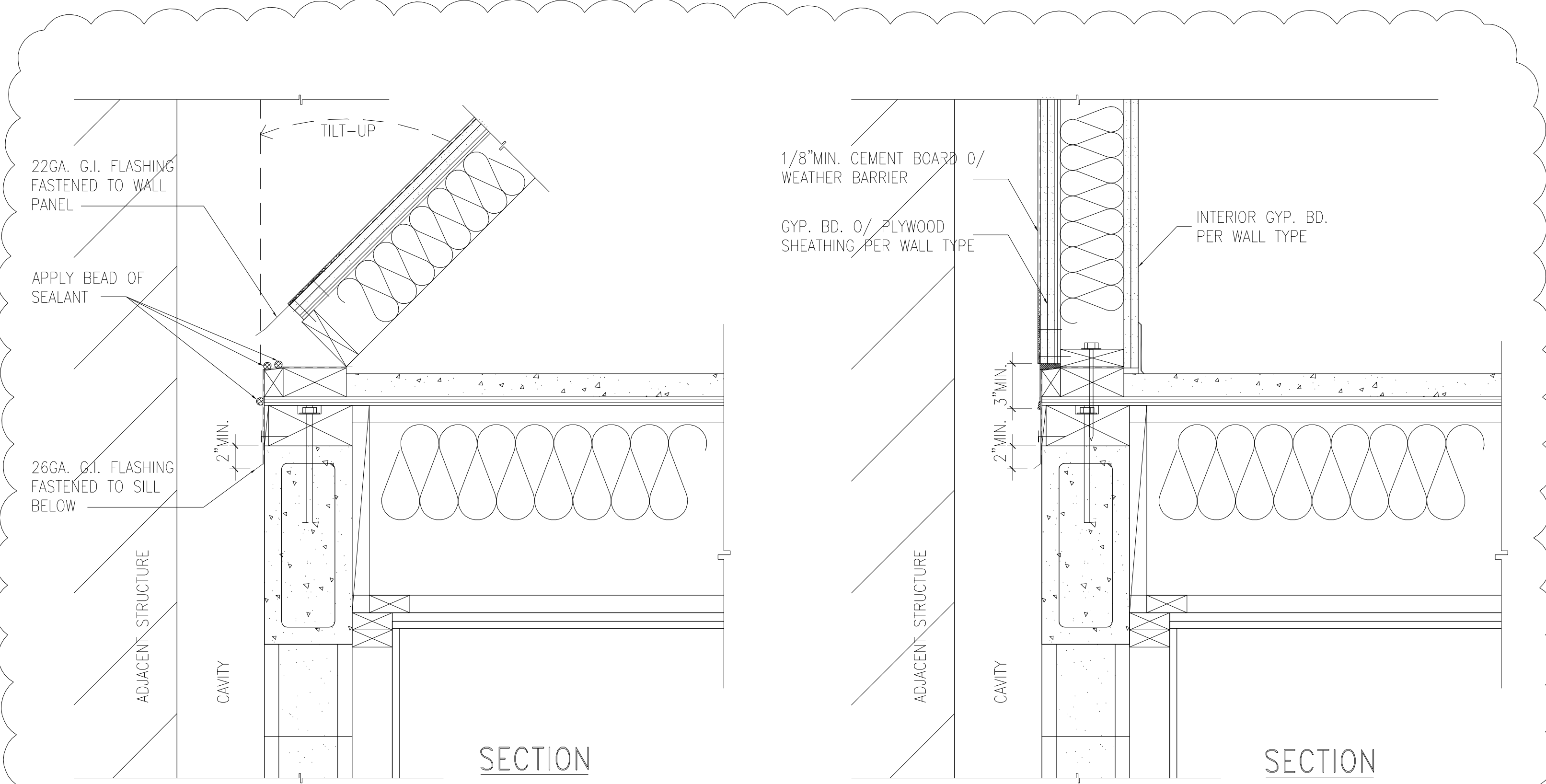
**2 EAST ELEVATION**  
 SCALE: 3/16" = 1'-0"

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	01/10/2019

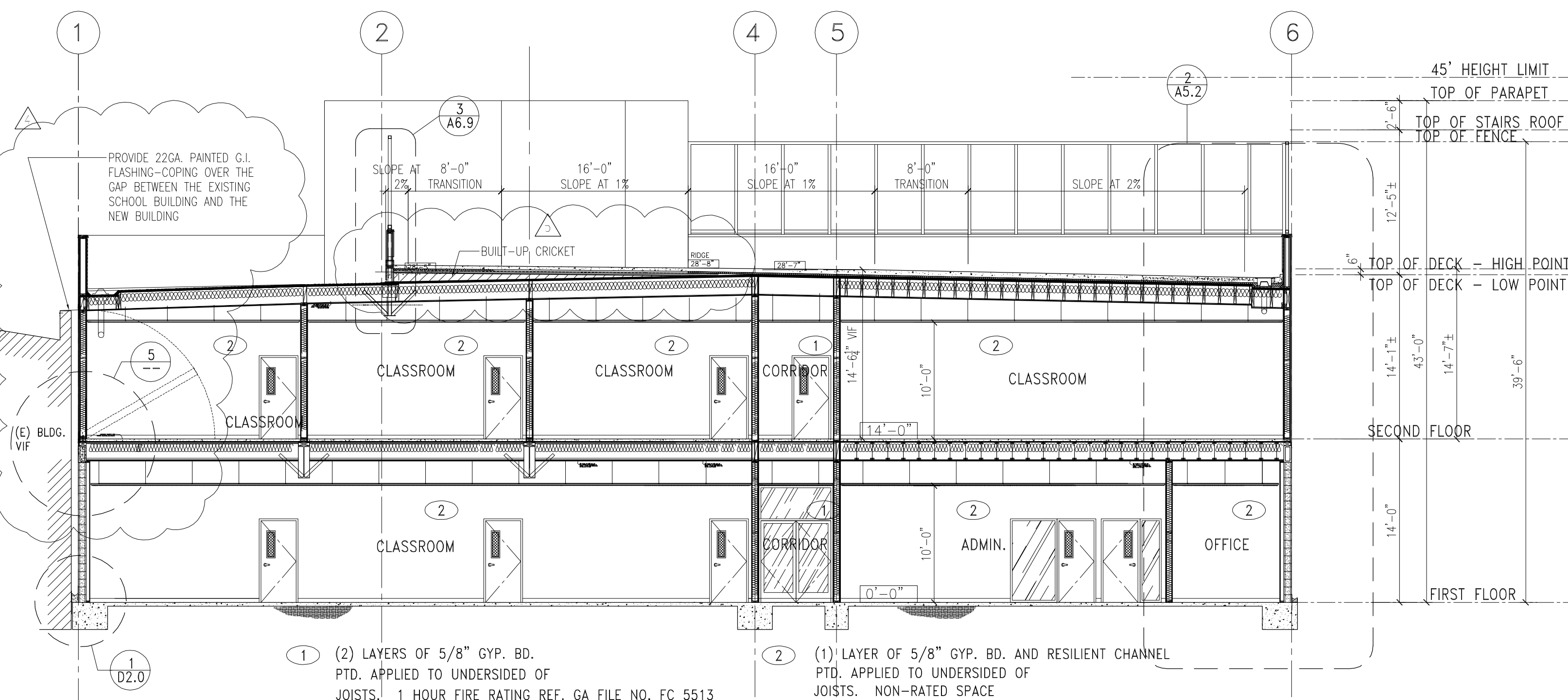


PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	ELEVATIONS
DRAWN BY	DATE DATE
CHECKED BY	DATE DATE
DATE	01/10/2019
DATE	AS NOTED
DATE	
DATE	

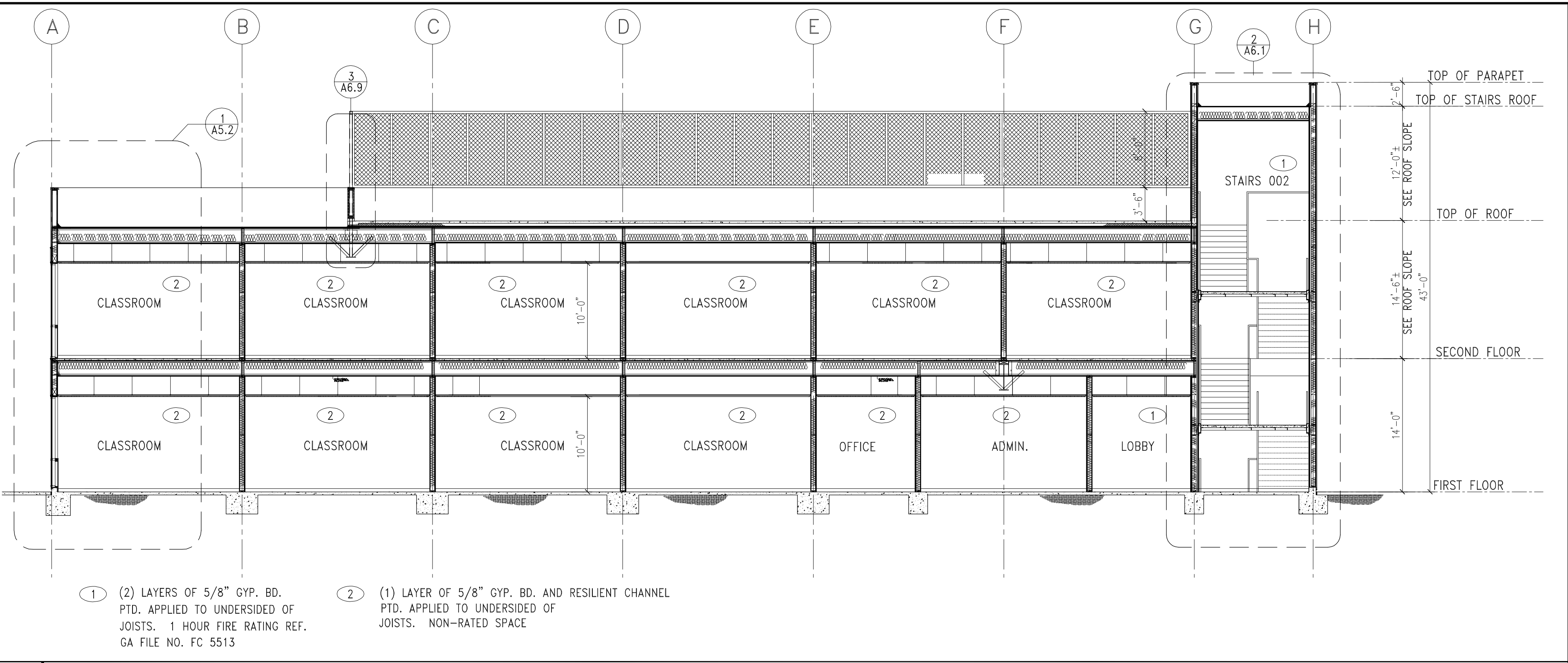




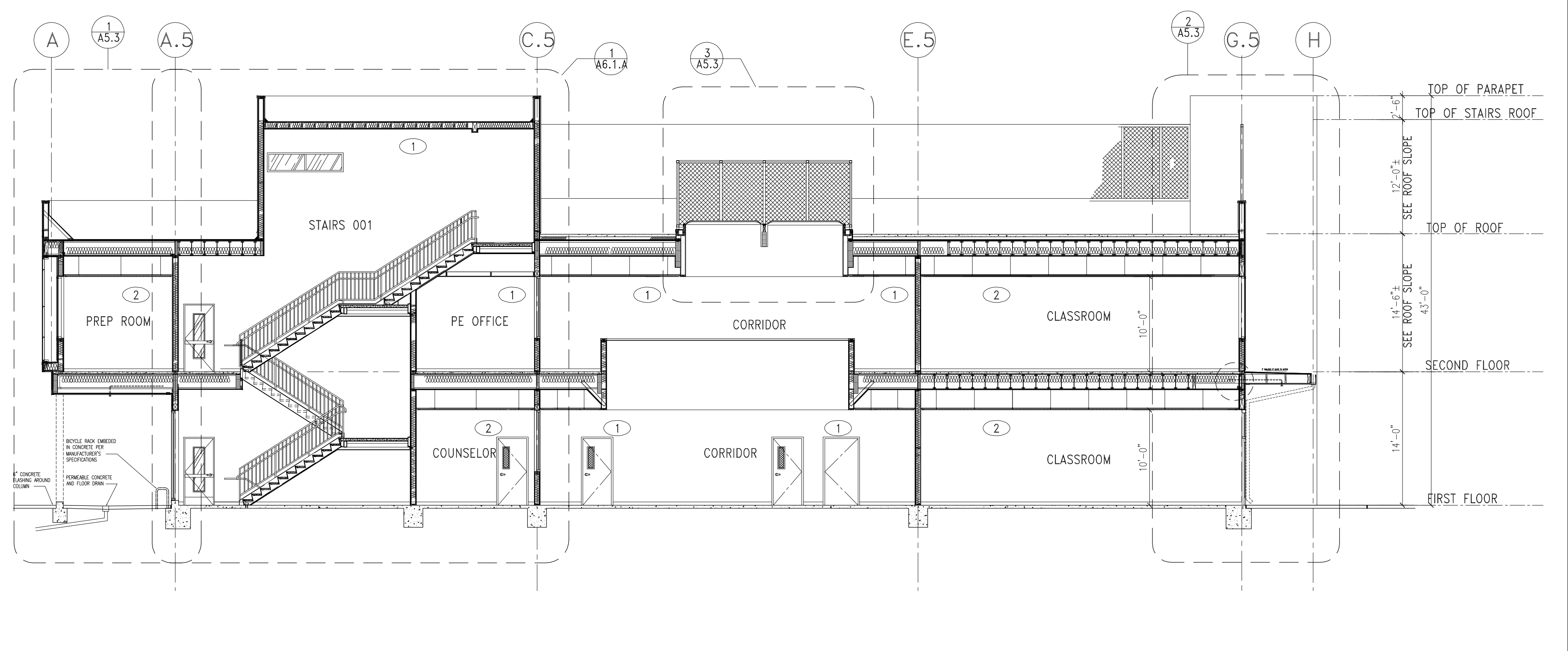
5 TILT-UP WALL DETAIL  
SCALE: 1/2"=1'-0"



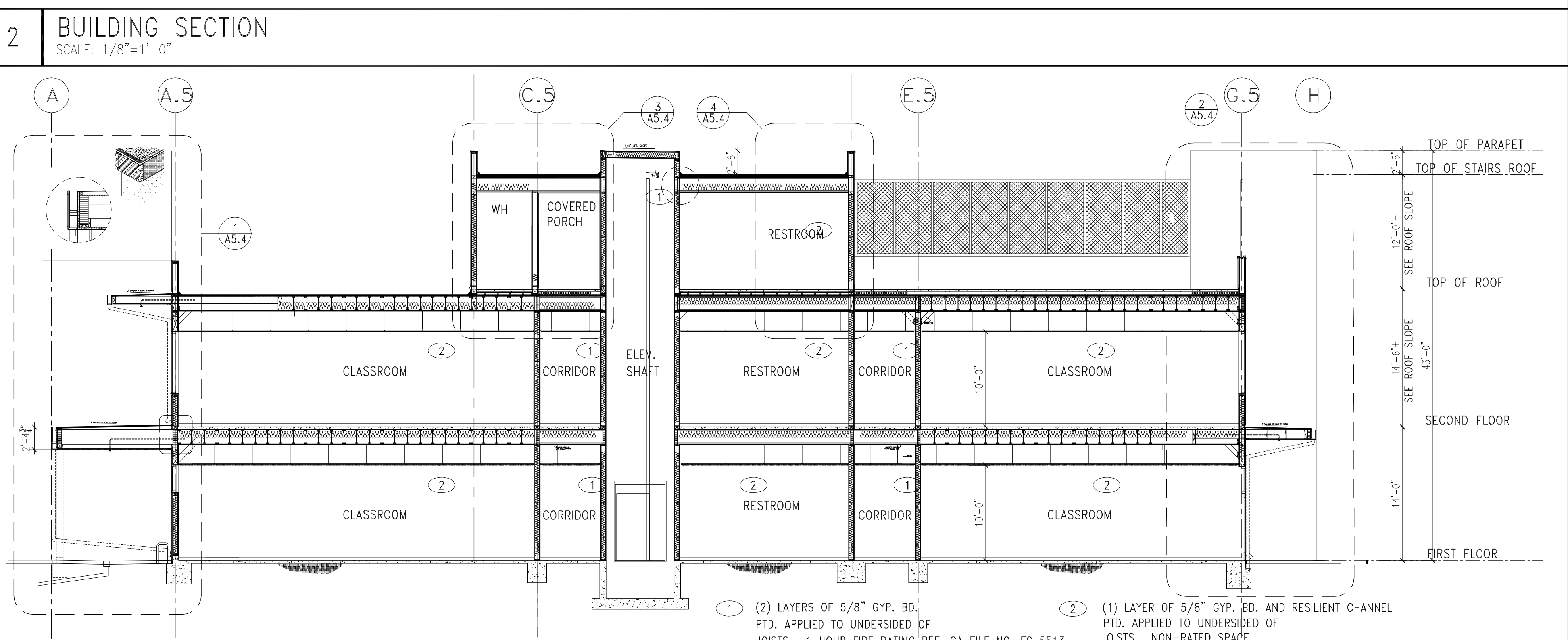
4 BUILDING SECTION  
SCALE: 1/8"=1'-0"



1 BUILDING SECTION  
SCALE: 1/8"=1'-0"



2 BUILDING SECTION  
SCALE: 1/8"=1'-0"

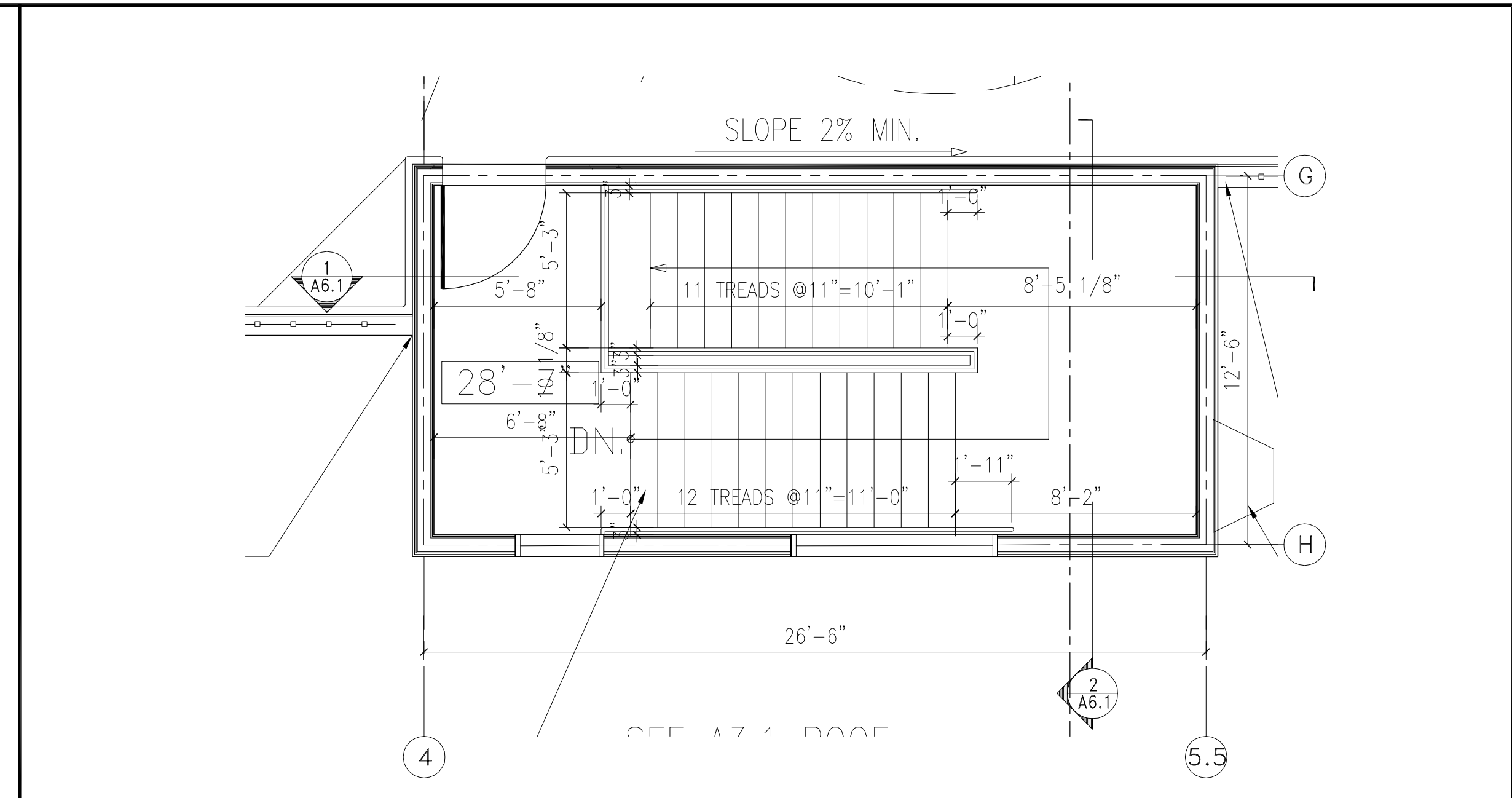
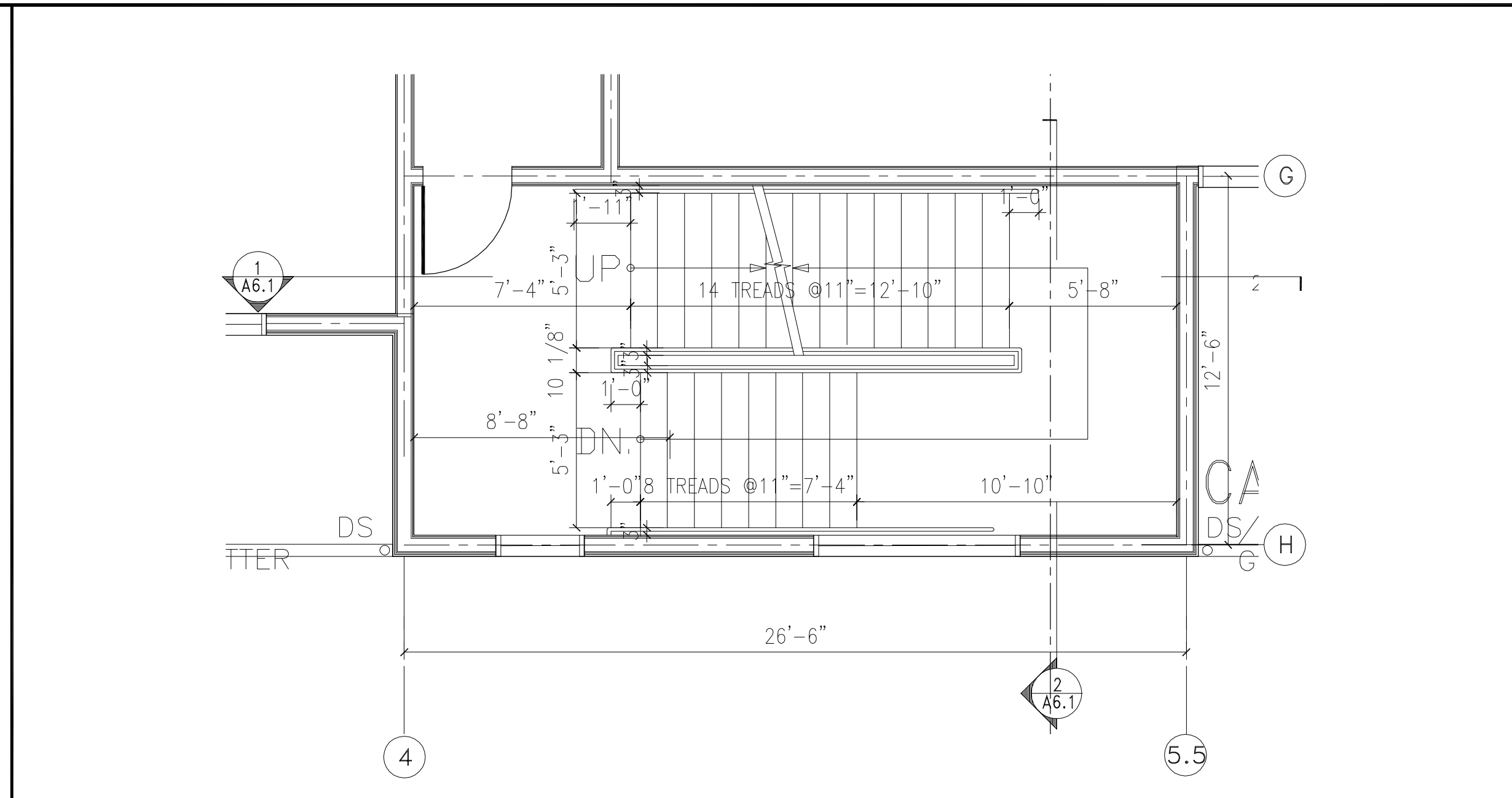
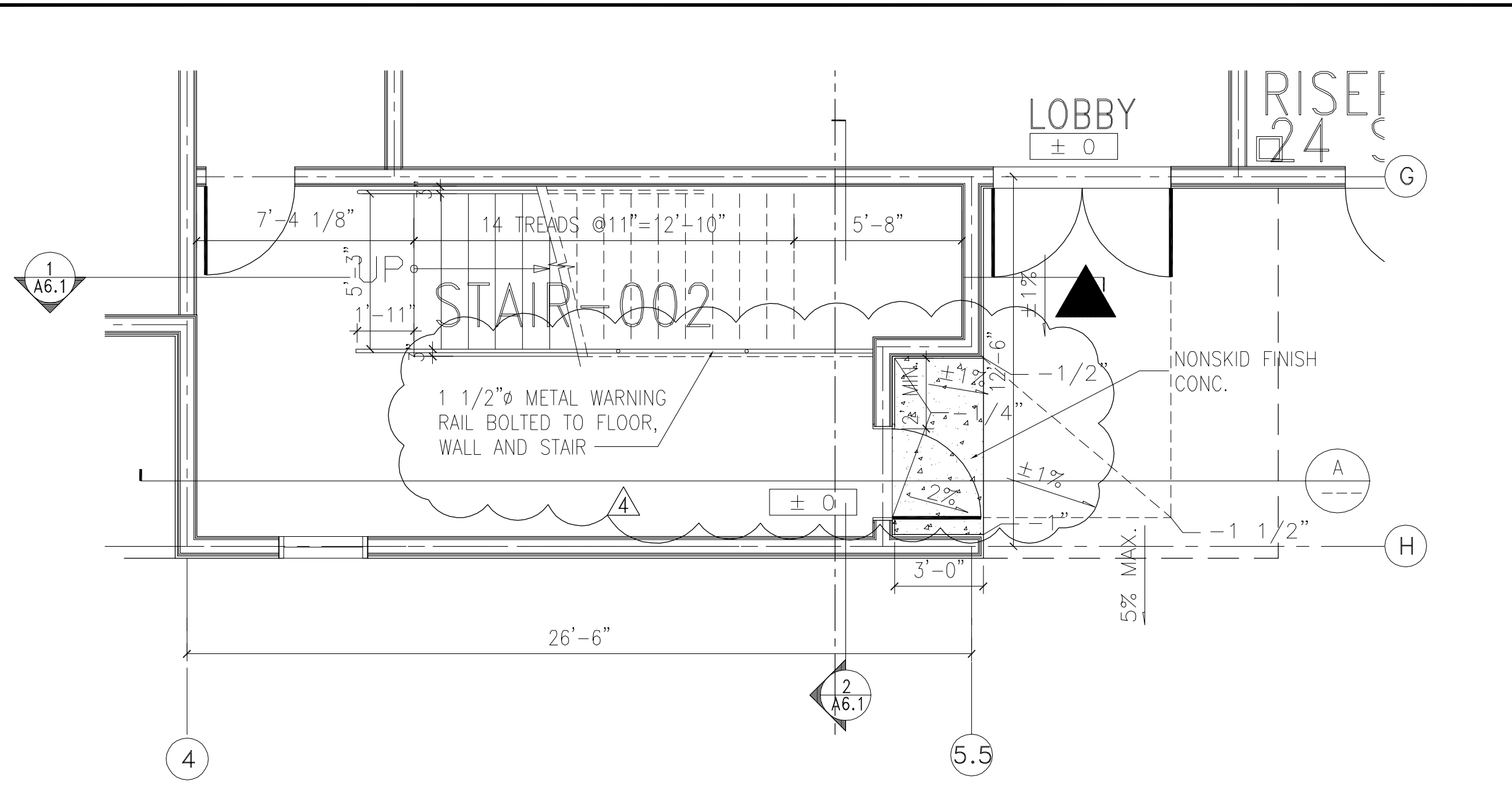


3 BUILDING SECTION  
SCALE: 1/8"=1'-0"

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	TD PLAN CHECK	9/31/2017
3	TD PLAN CHECK	2/14/2018
4	CLARIFICATION OF PROVISIONS	01/10/2019
5	COORDINATION BUILDLING 3	01/10/2019



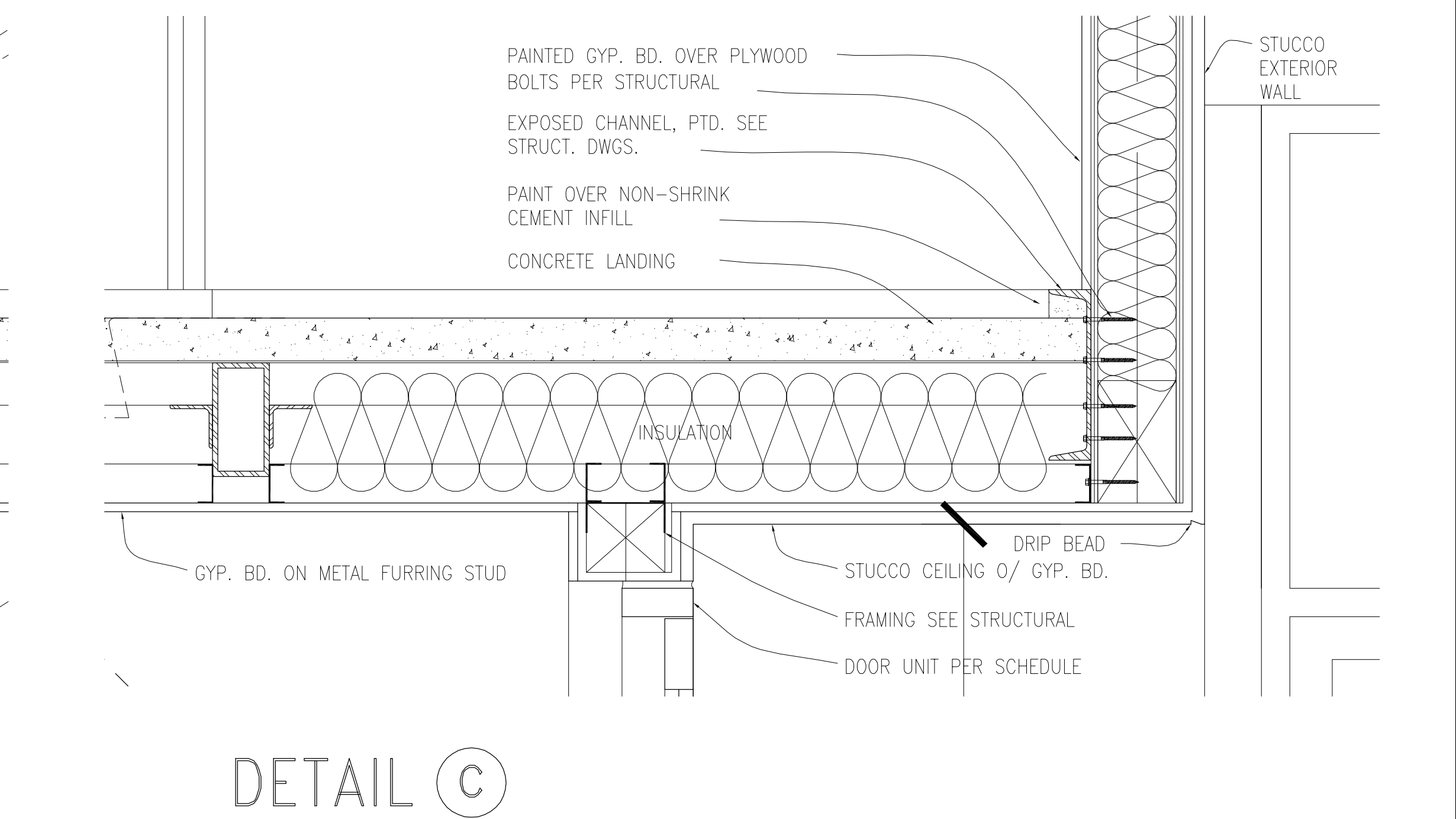
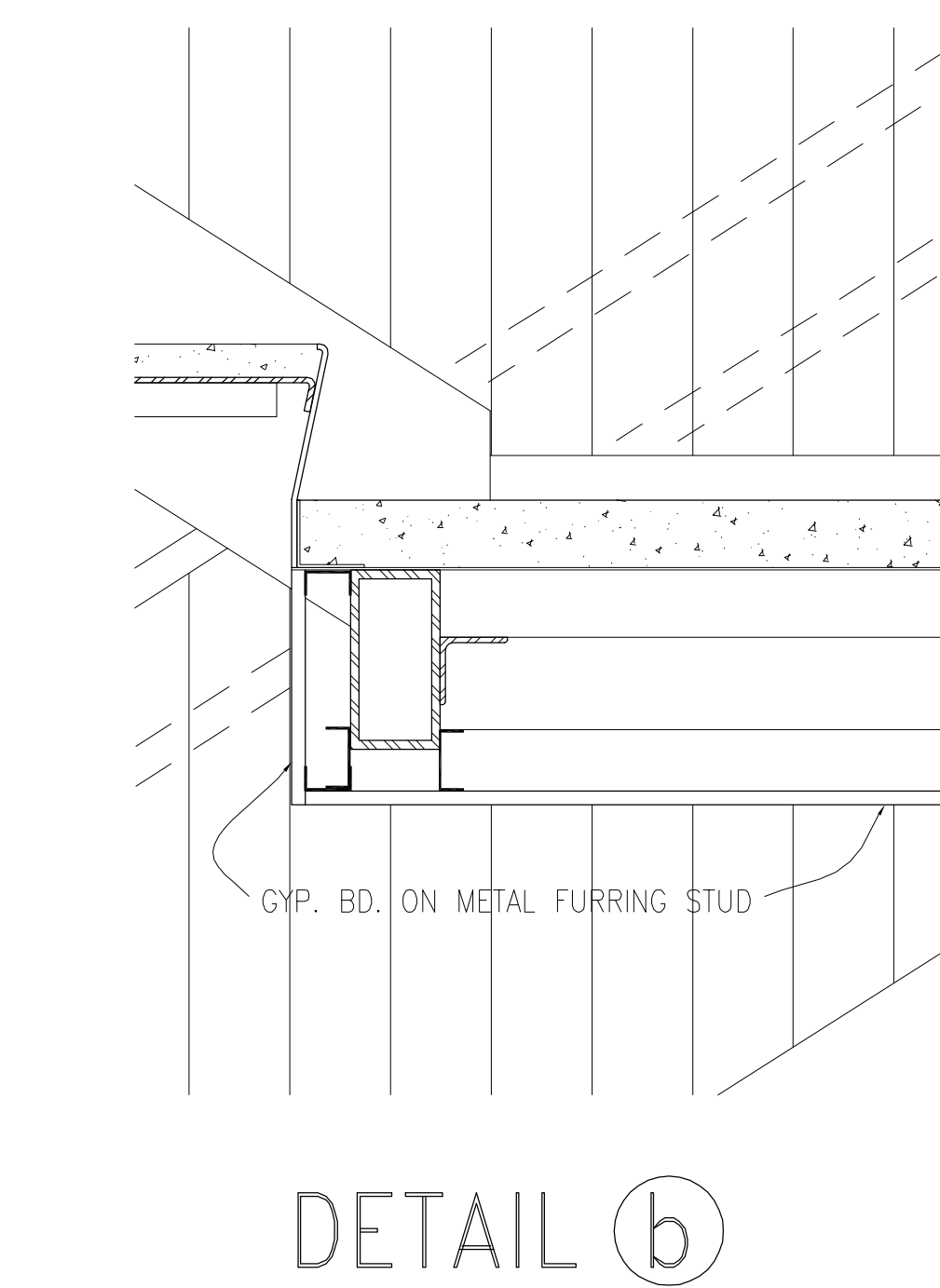
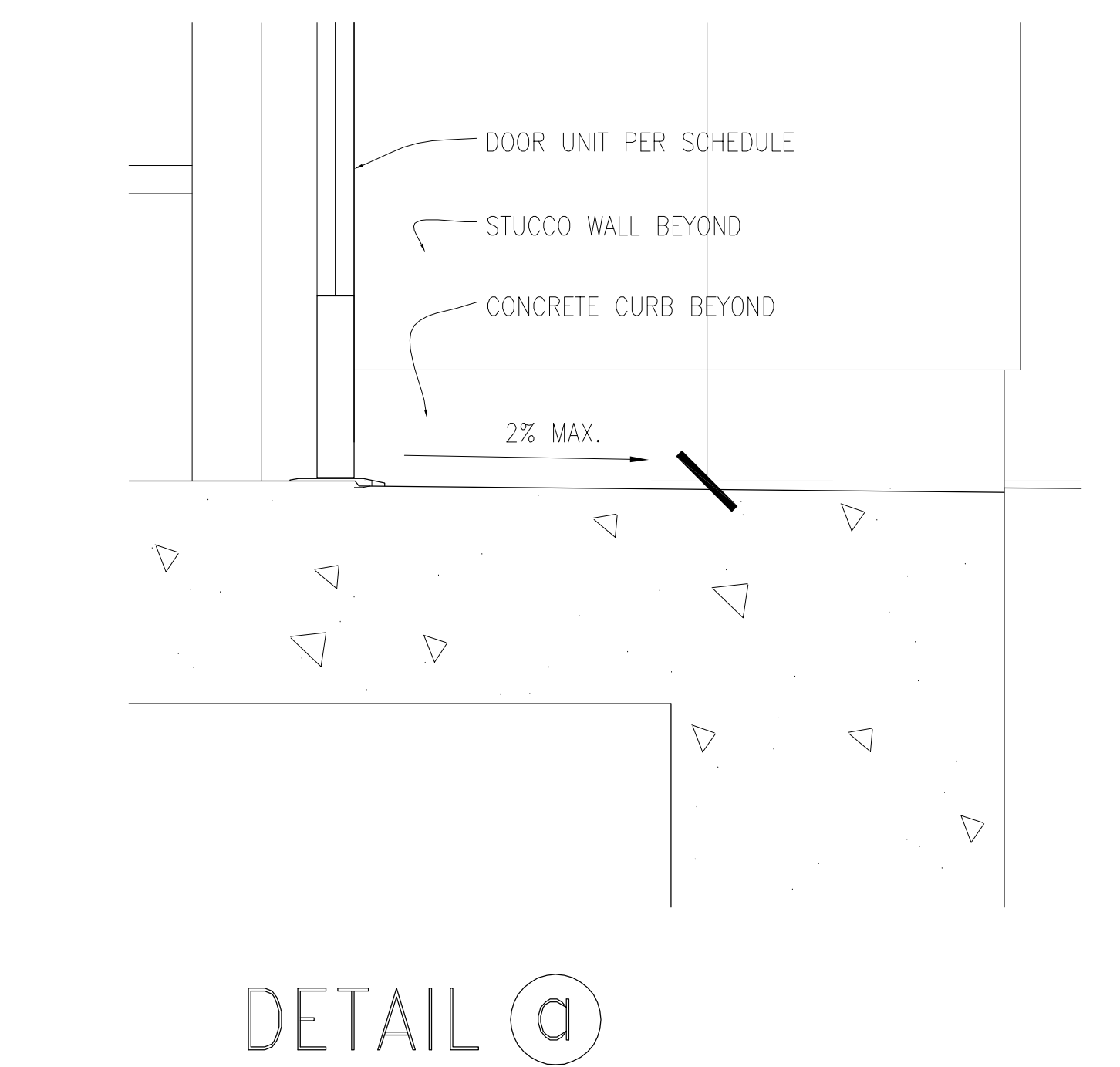
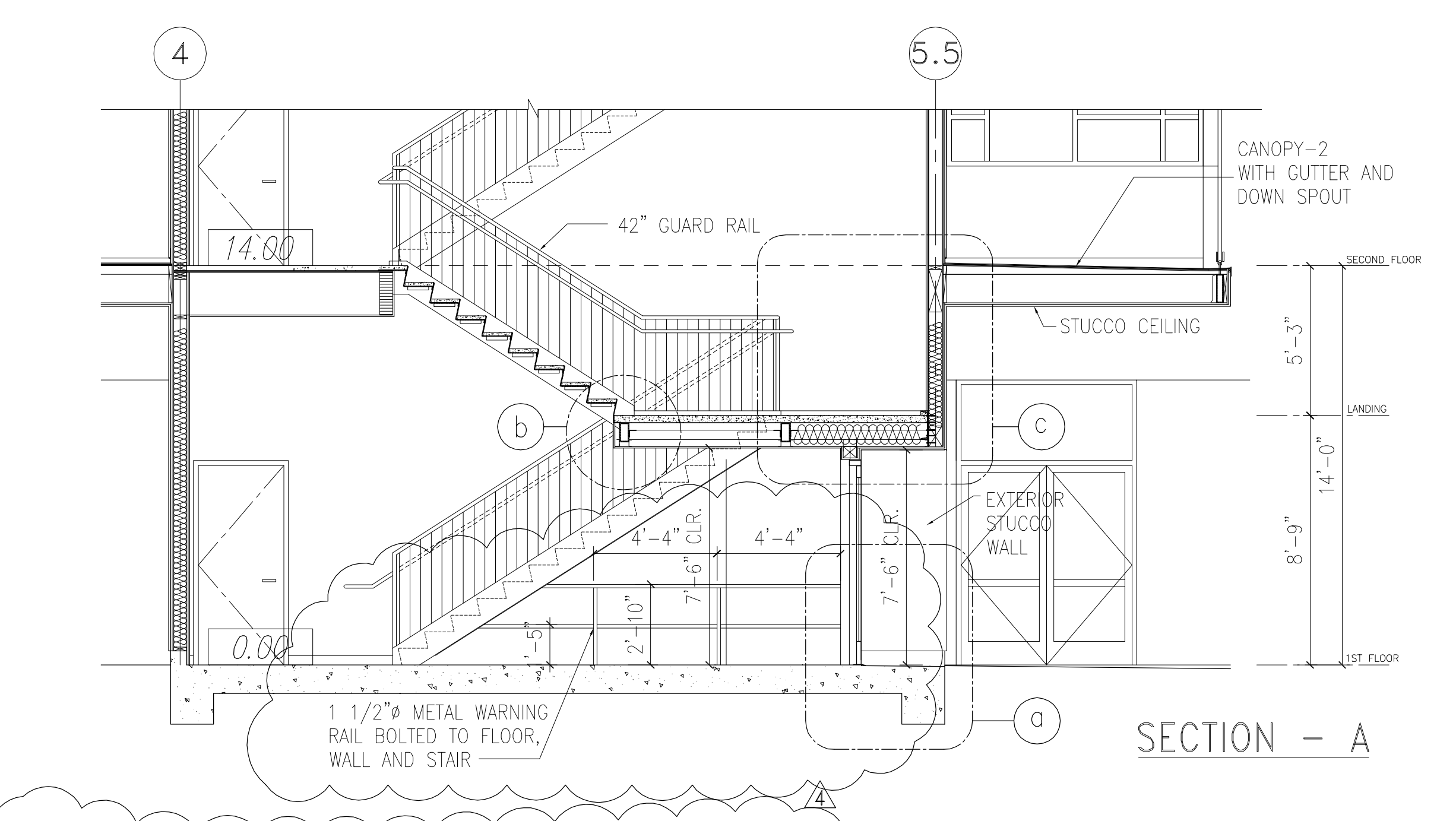
PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	SECTIONS AND DETAILS
DRAWN BY	DATE: 01/10/2019
CHECKED BY	DRAWING SCALE: AS NOTED
APPROVED BY	DRAWING NUMBER:



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"

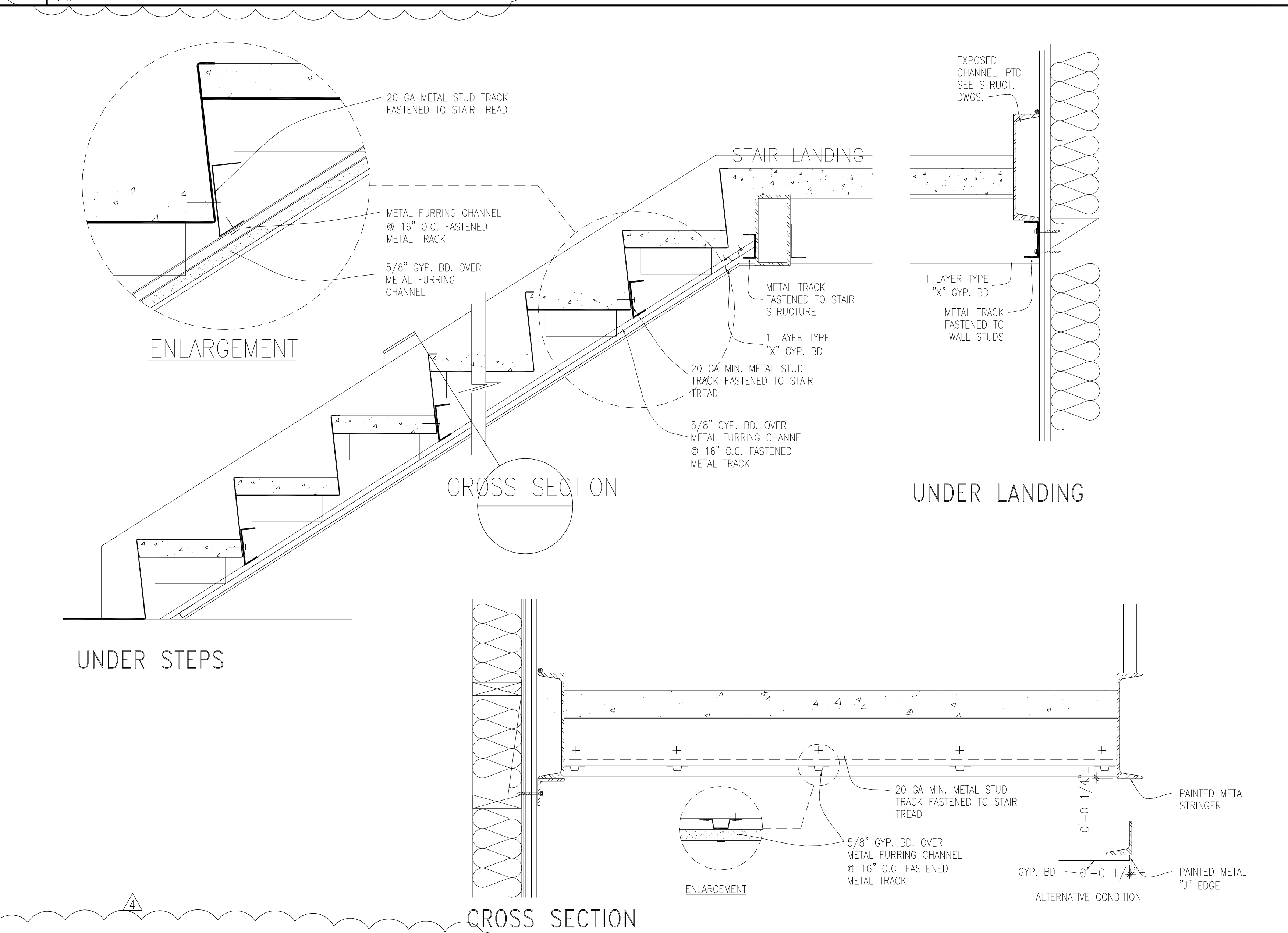


A STAIR NO. 002 - 1ST FLOOR SECTION  
NTS

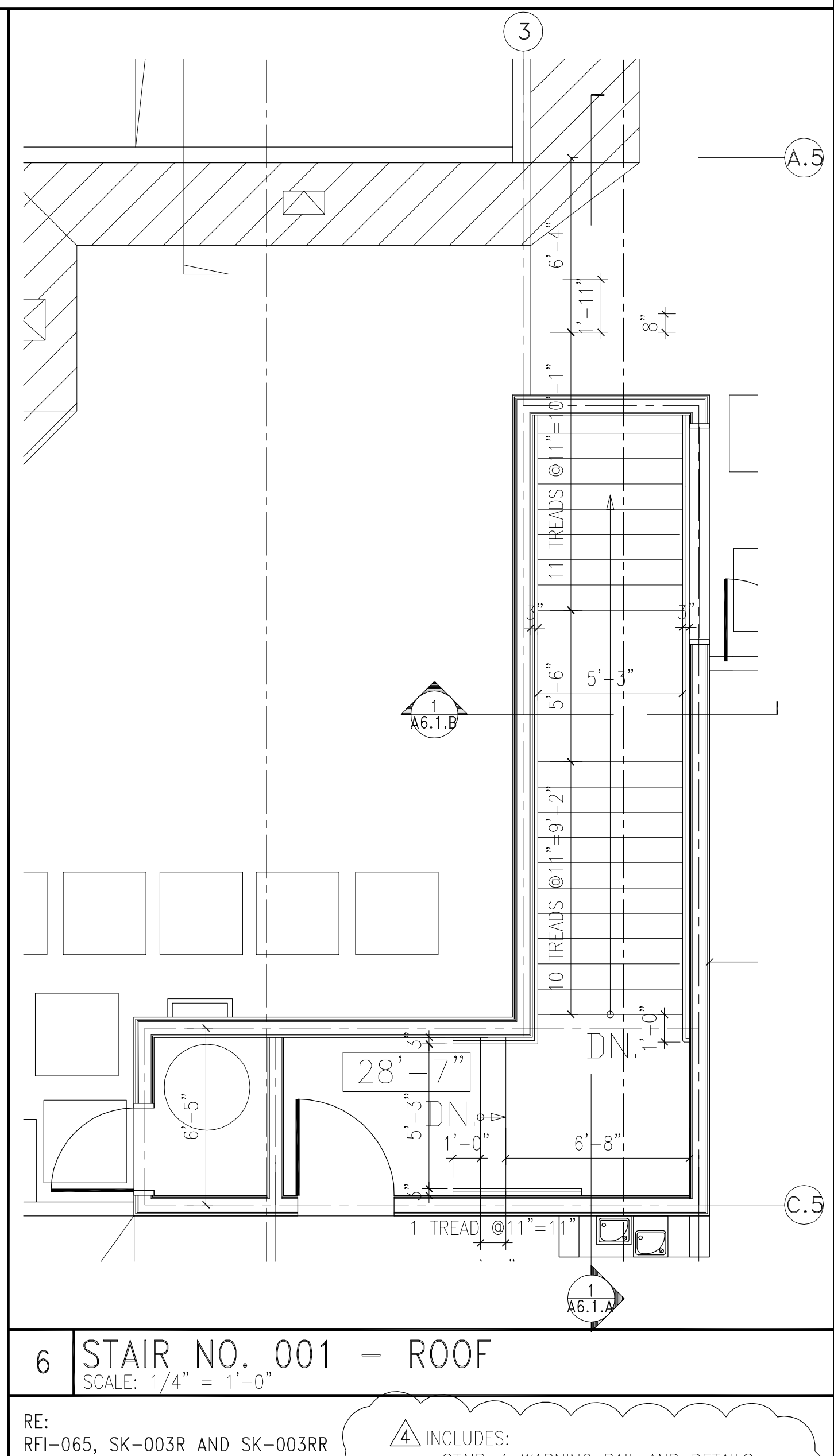
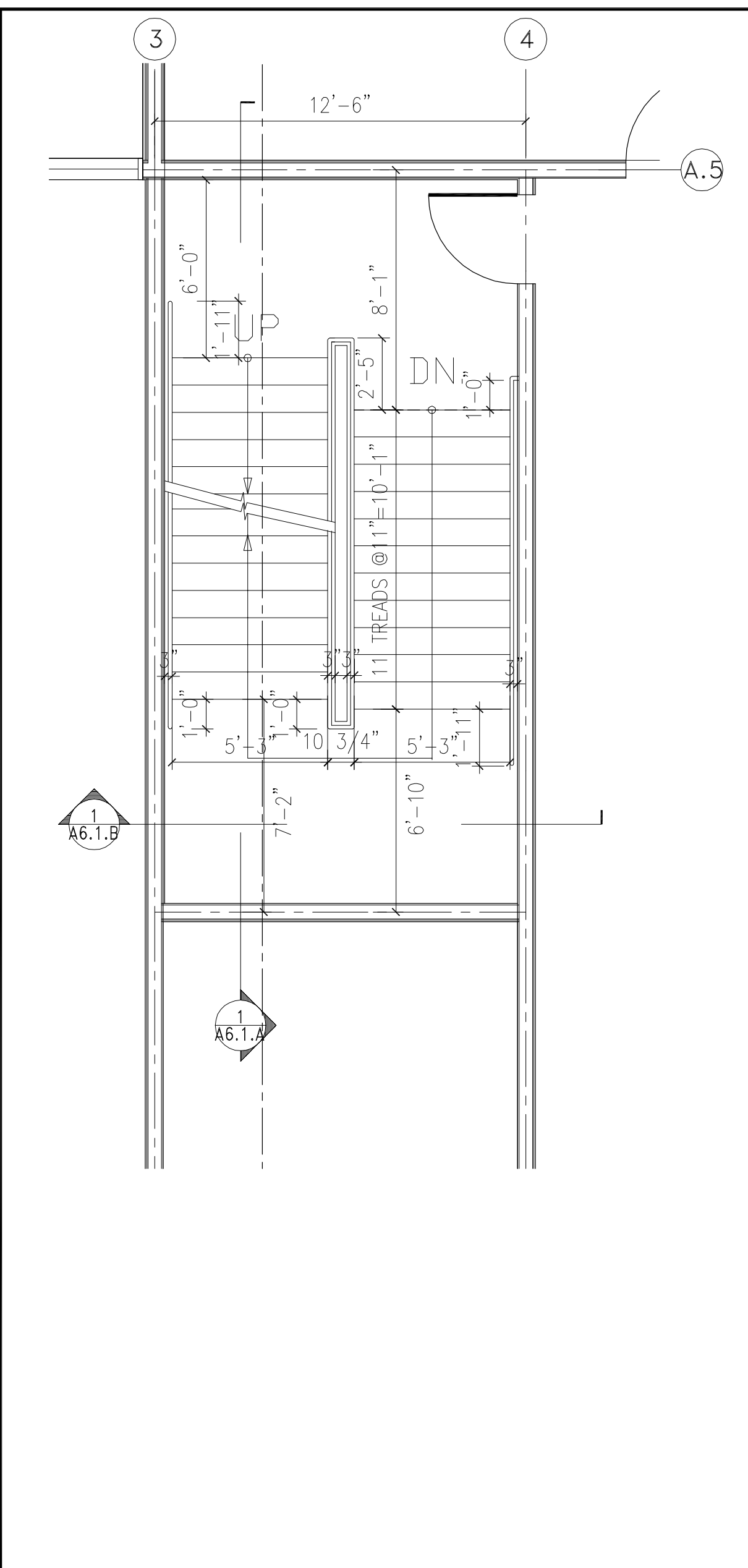
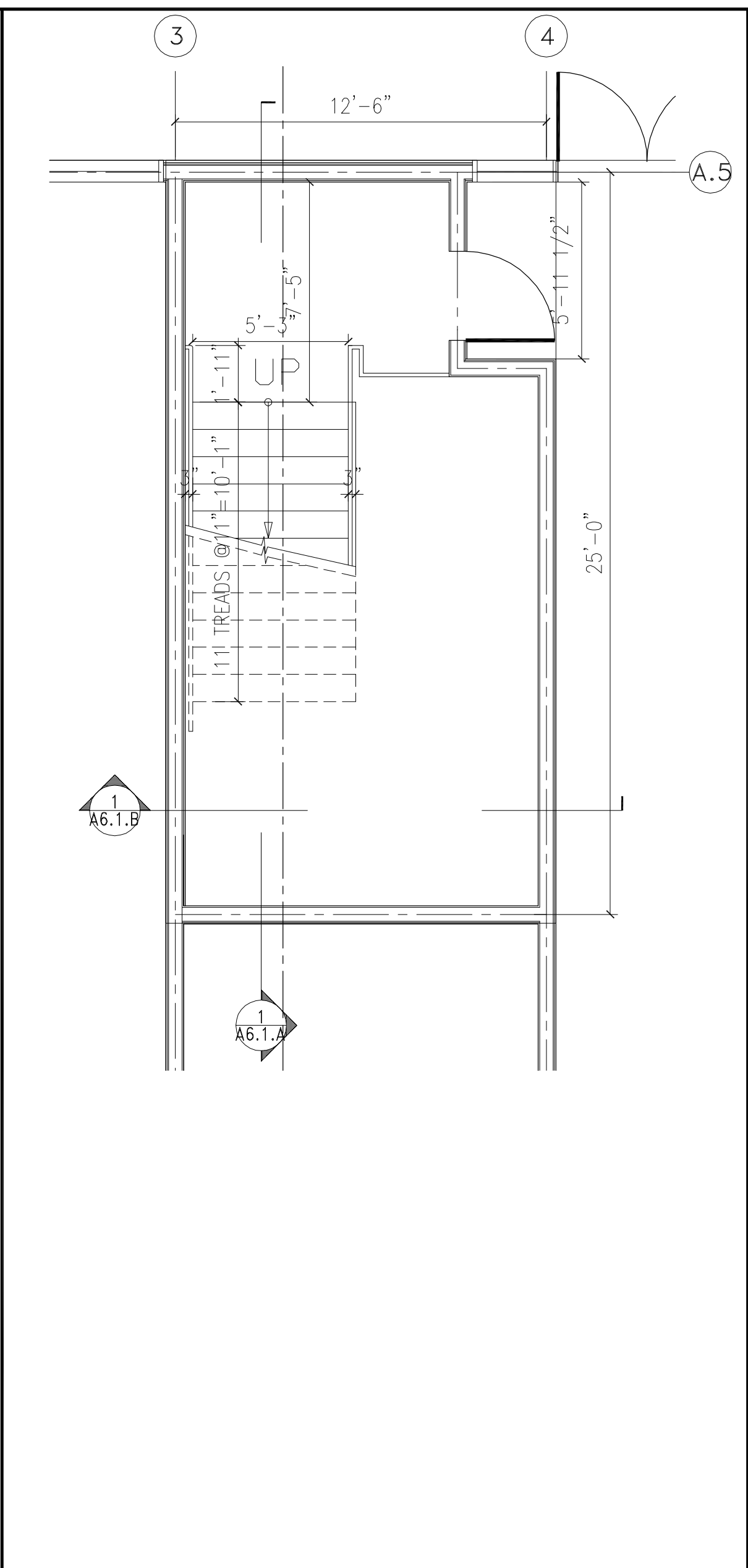
DETAIL a

DETAIL b

DETAIL c



B TYPICAL UNDER STAIR FURRING DETAIL  
NTS



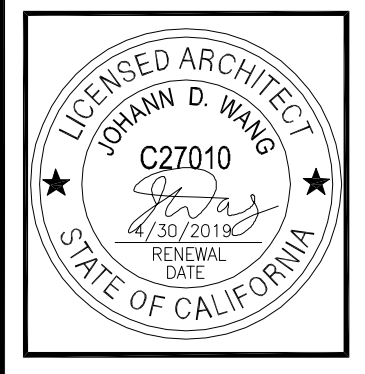
4 STAIR NO. 001 - FIRST FLOOR  
SCALE: 1/4" = 1'-0"

5 STAIR NO. 001 - SECOND FLOOR  
SCALE: 1/4" = 1'-0"

6 STAIR NO. 001 - ROOF  
SCALE: 1/4" = 1'-0"

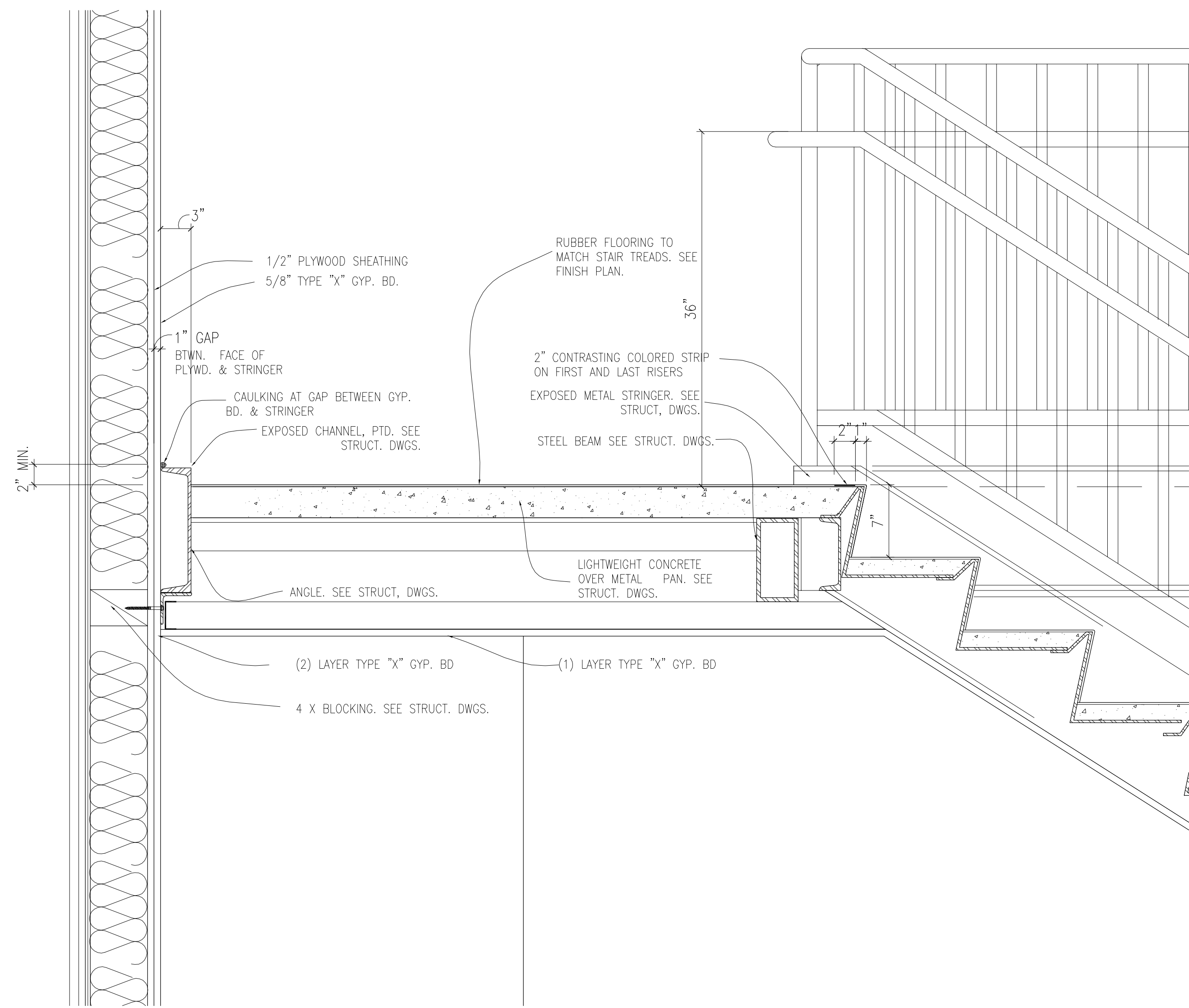
INCLUDES:  
STAIR-1 WARNING RAIL AND DETAILS  
STAIR UNDERSIDE FURRING DETAILS

REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	TD PLAN CHECK	10/31/2017
3	TD PLAN CHECK	12/14/2017
4	REWORK TPC & STAIR RISER	12/02/2018
5	SUMMARY OF CHANGES	01/10/2019

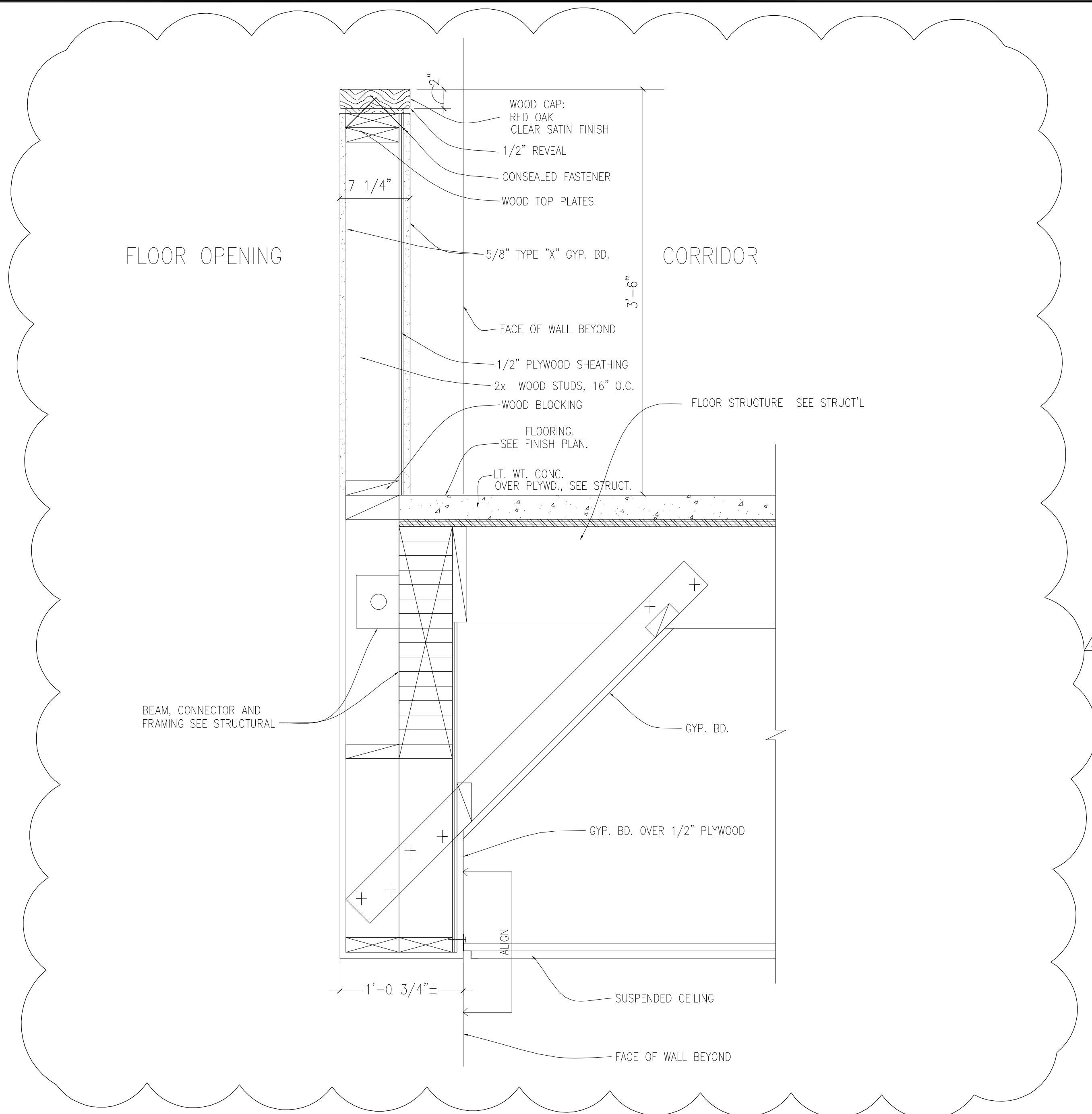


PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	STAIR PLANS
DRAWN BY	DATE DWN
CHECKED BY	DRAWING SCALE
APPROVED BY	AS NOTED
DRAWING NUMBER	

A6.0



NOTE: ALL EXPOSED STL. TO BE PAINTED. COLOR T.B.D.

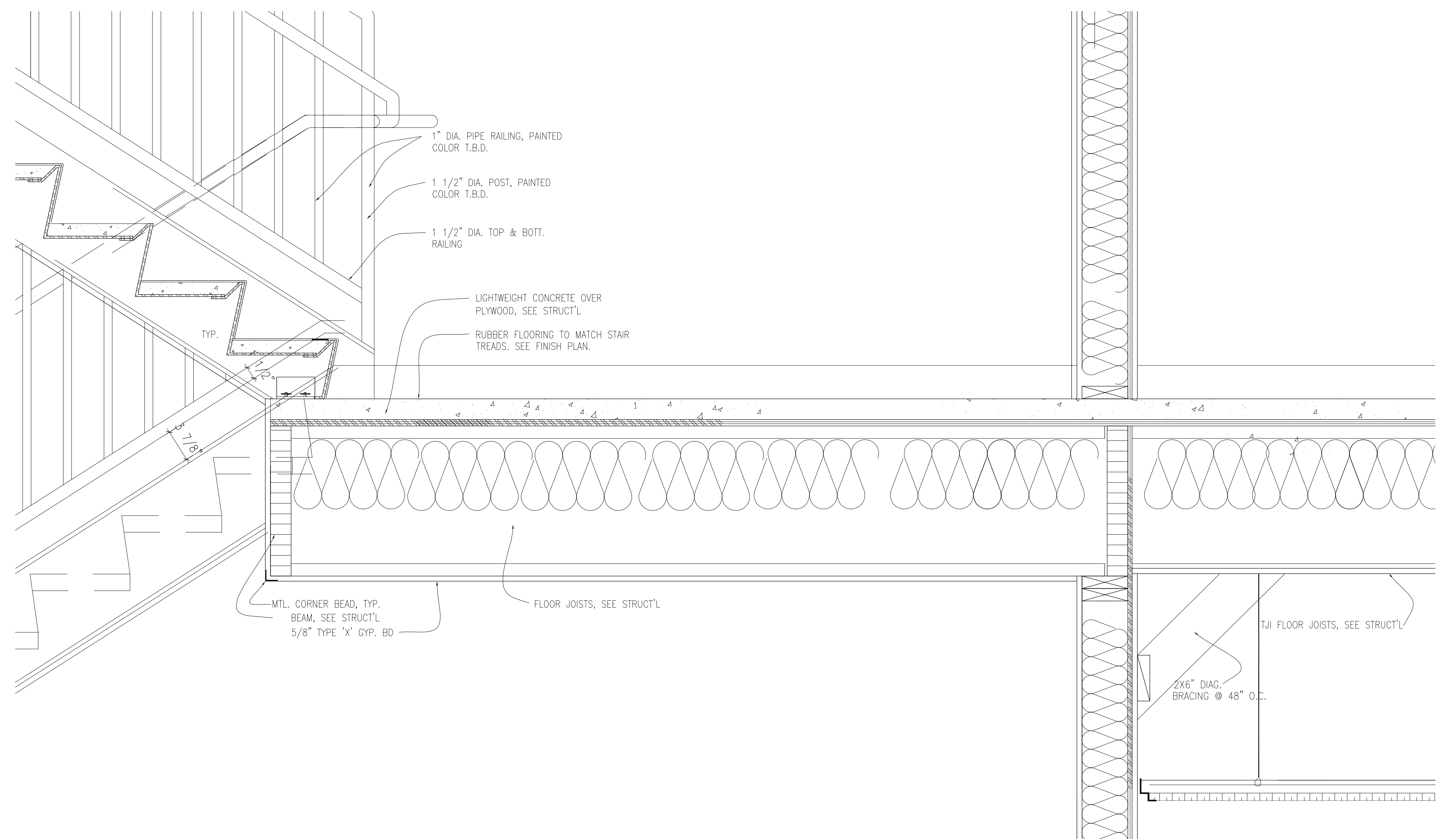
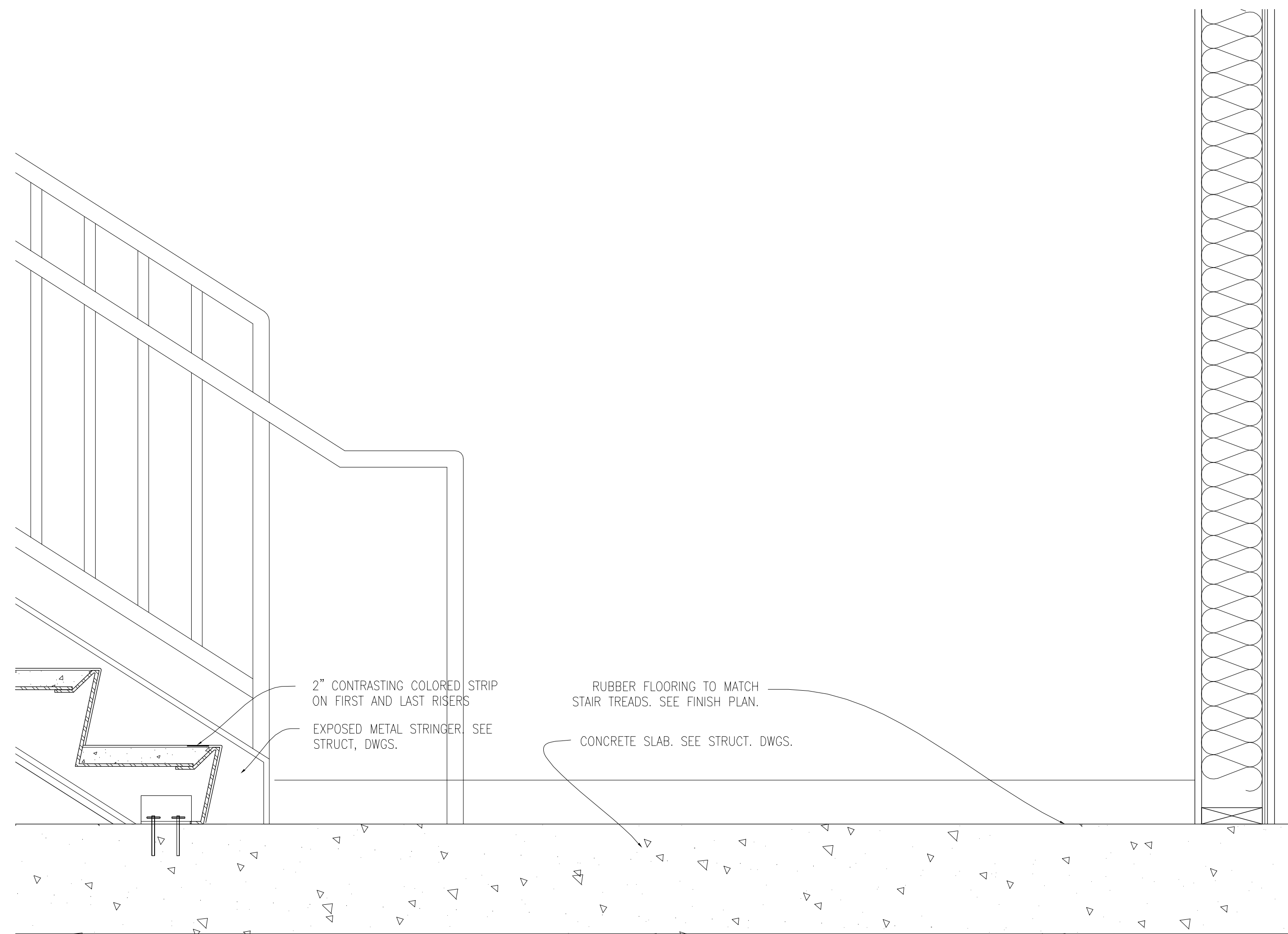


RE:  
RFI-129

▲. ATRIUM LOW WALL DETAIL

1 STAIRS INTERMEDIATE LANDING  
SCALE: 1 1/2" = 1'-0"

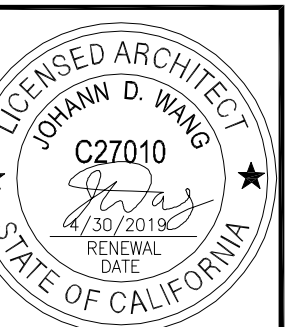
2 LOW WALL DETAIL  
SCALE: 1 1/2" = 1'-0"



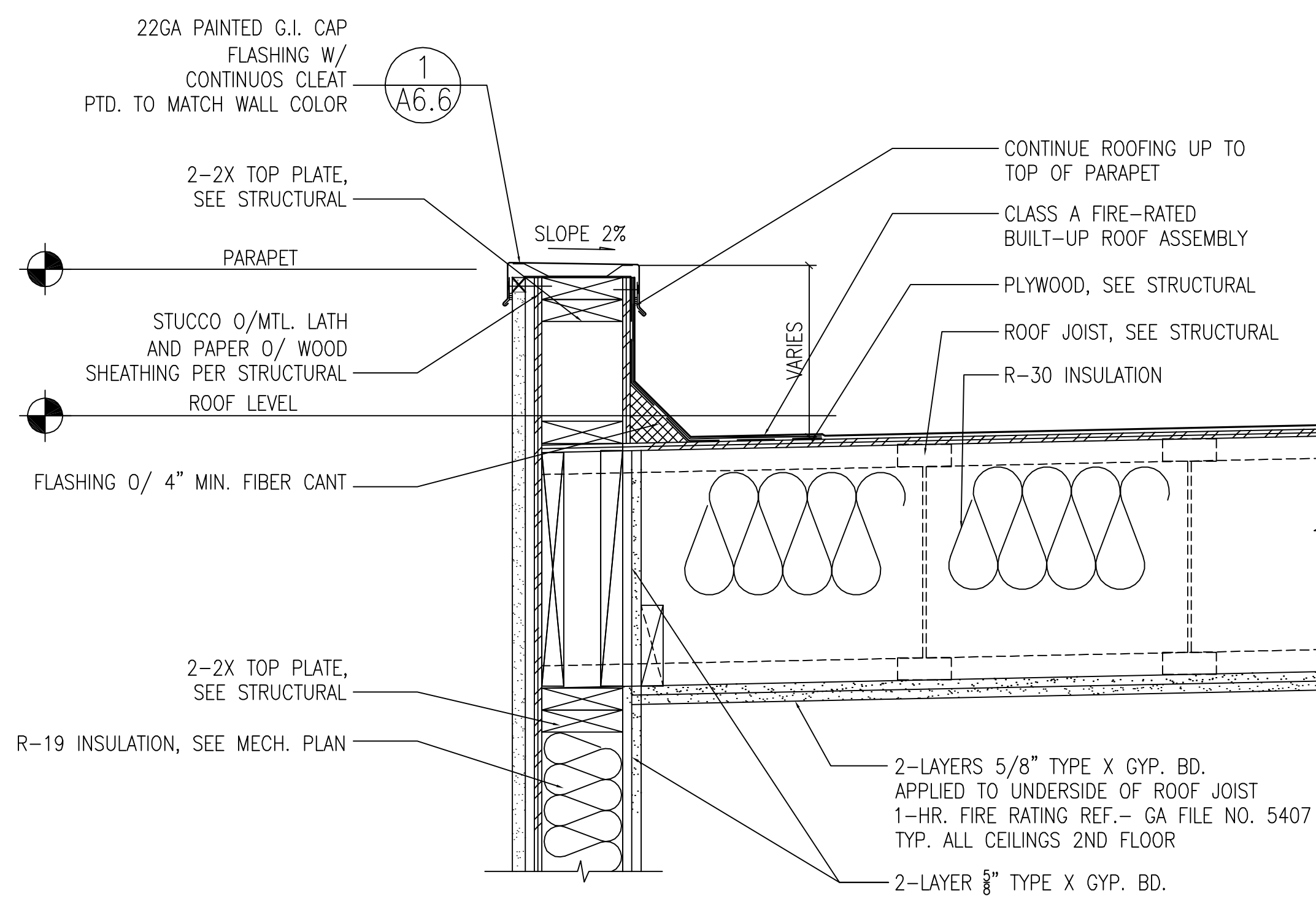
3 STAIRS INTERMEDIATE LANDING  
SCALE: 1 1/2" = 1'-0"

4 STAIRS INTERMEDIATE LANDING  
SCALE: 1 1/2" = 1'-0"

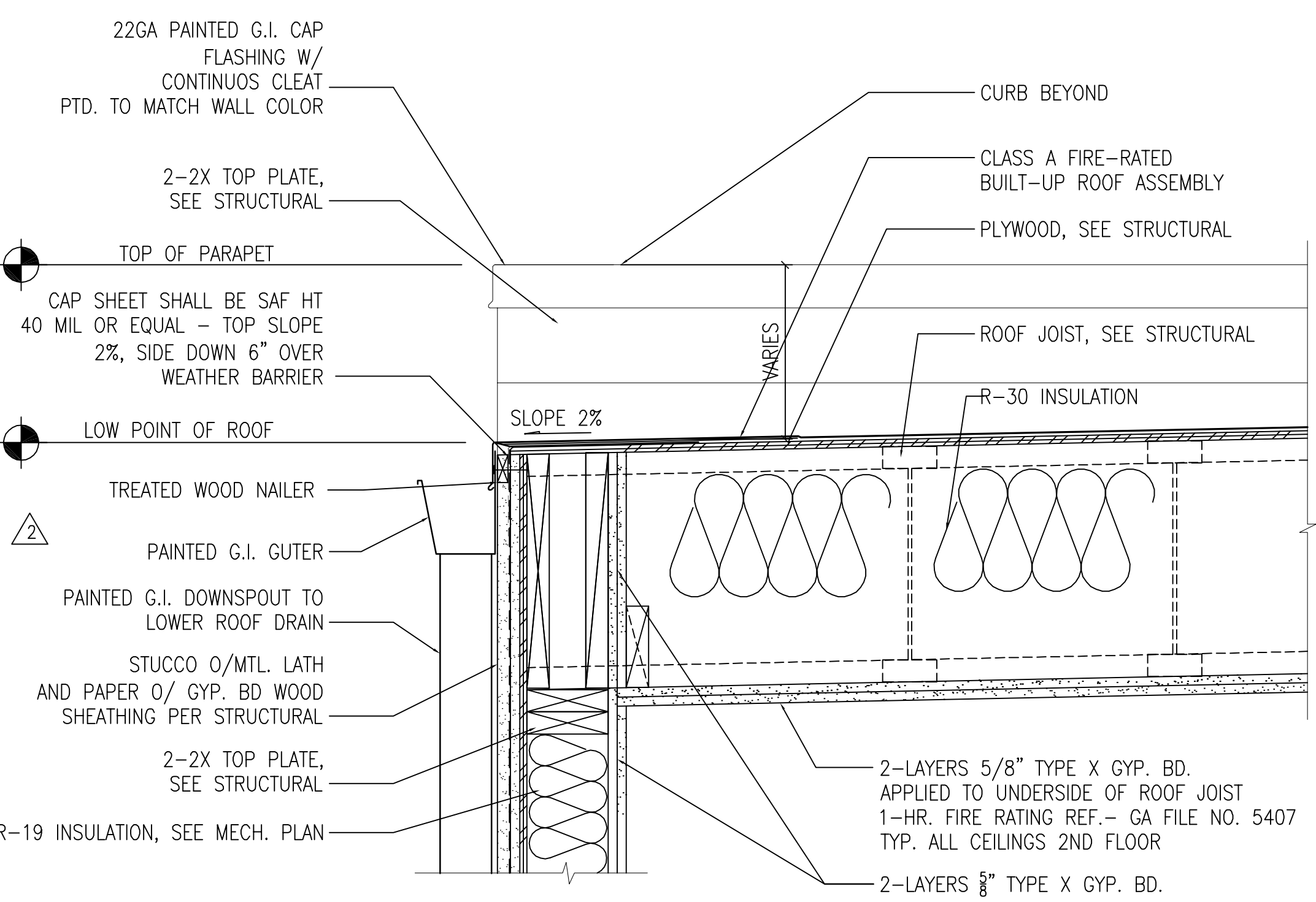
REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	TD PLAN CHECK	9/31/2017
3	TD PLAN CHECK	12/14/2017
4	SUMMARY OF CHANGES	01/10/2019



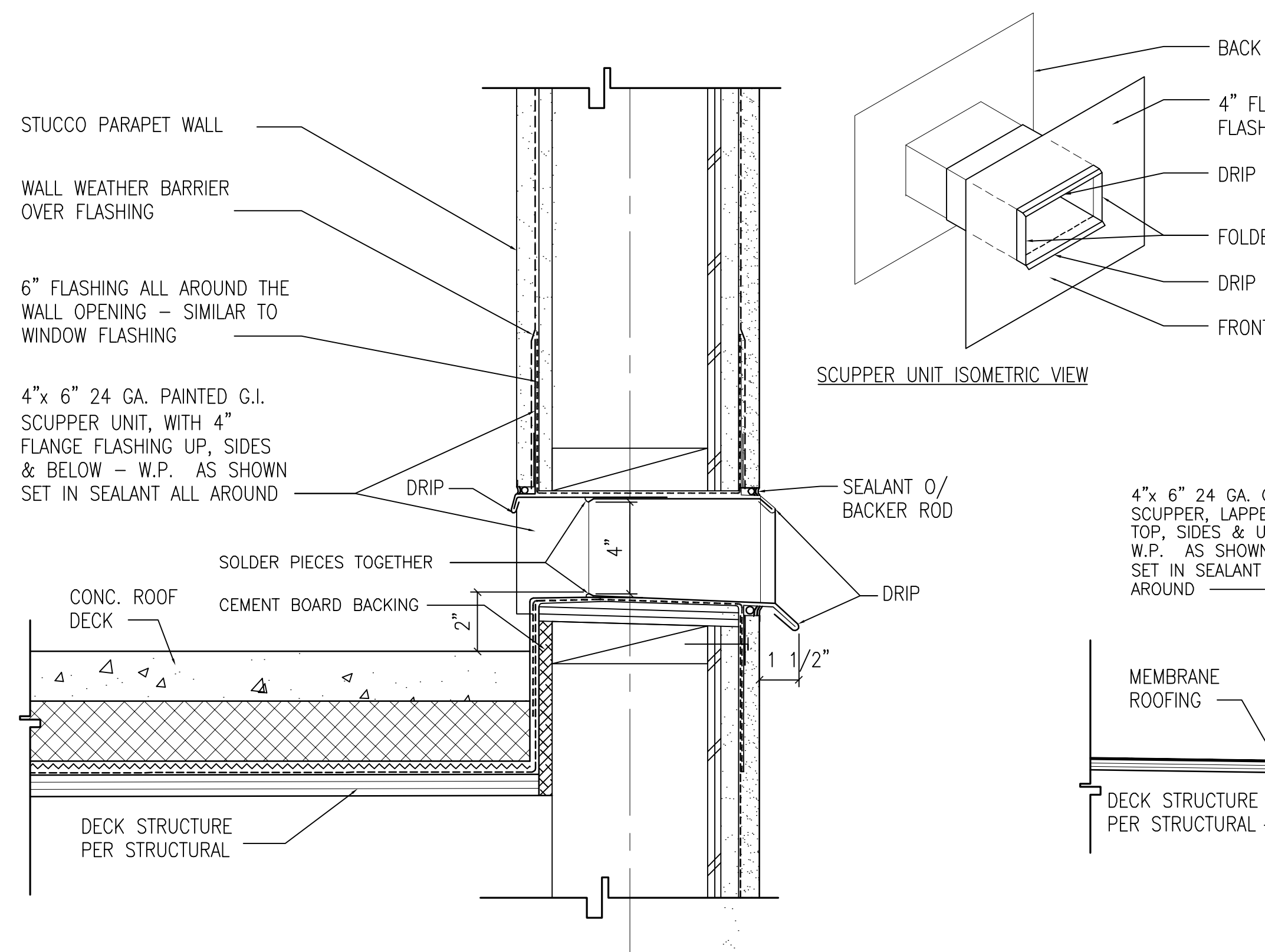
PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	STAIR SECTIONS AND DETAILS
DRAWN BY	ISSUE DATE
JOB NUMBER	DRAWING SCALE
APPROVED BY	AS NOTED
DRAWING NUMBER	



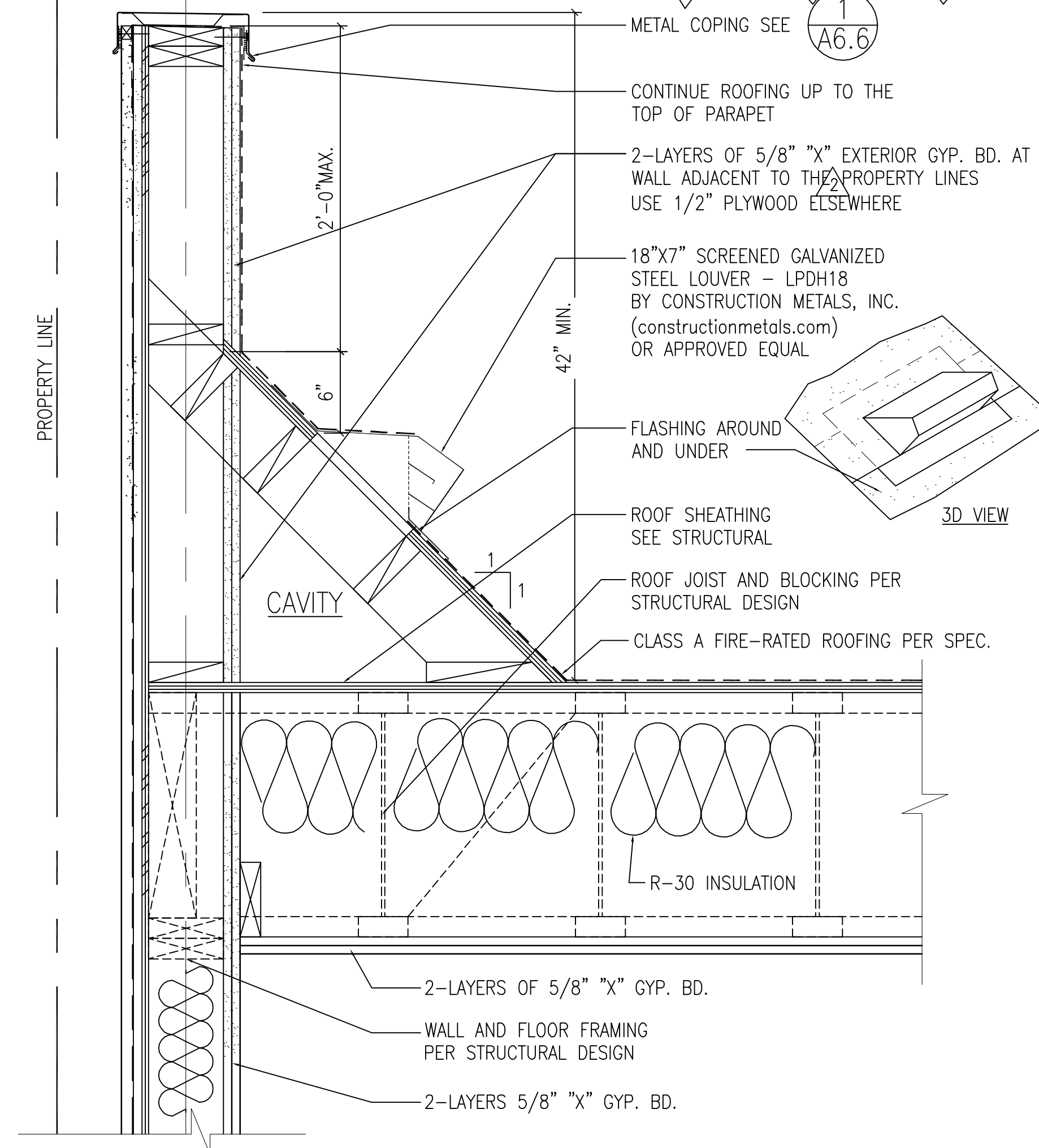
1 ROOF CURB



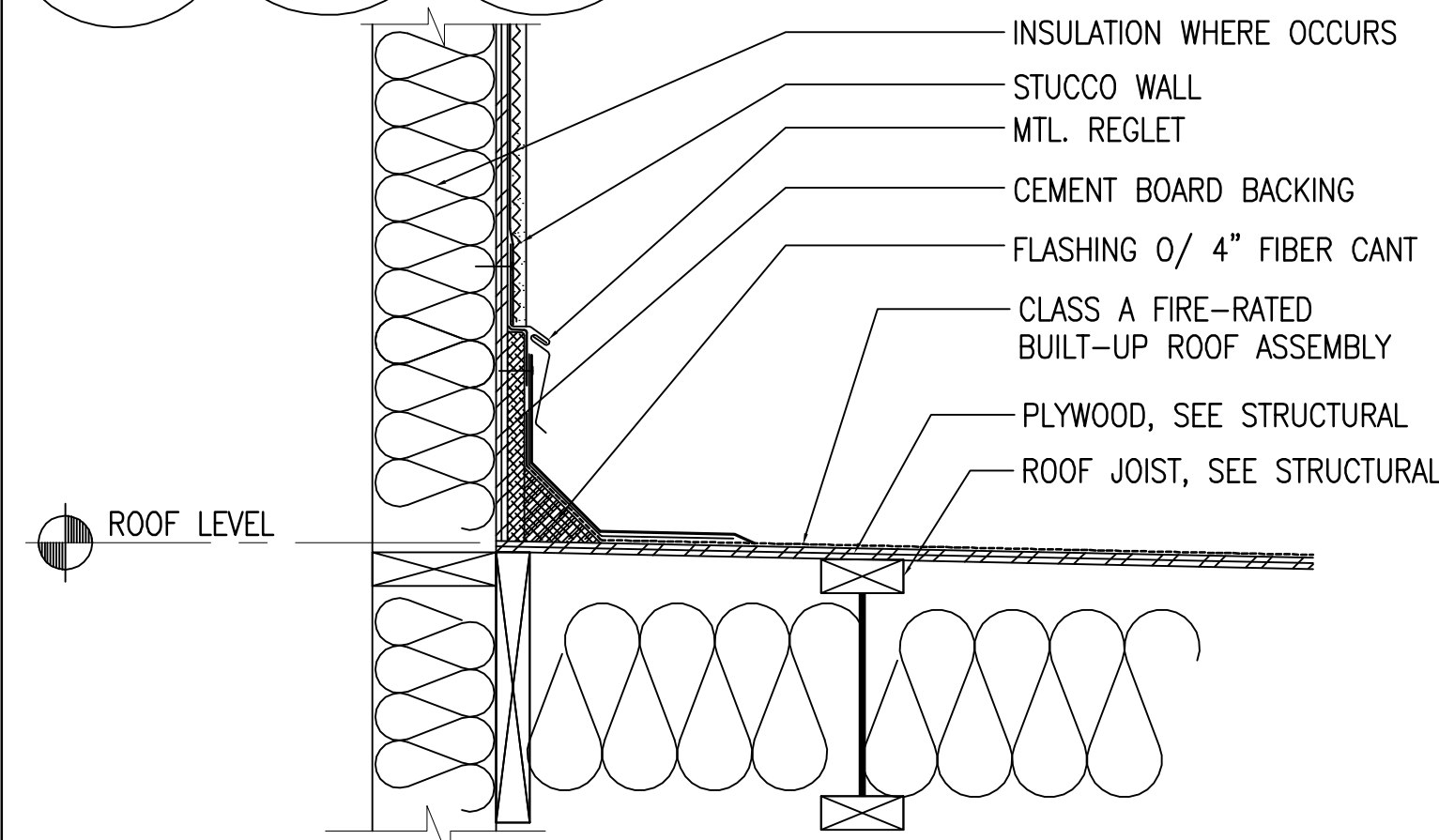
4 ROOF SIDE DRAIN



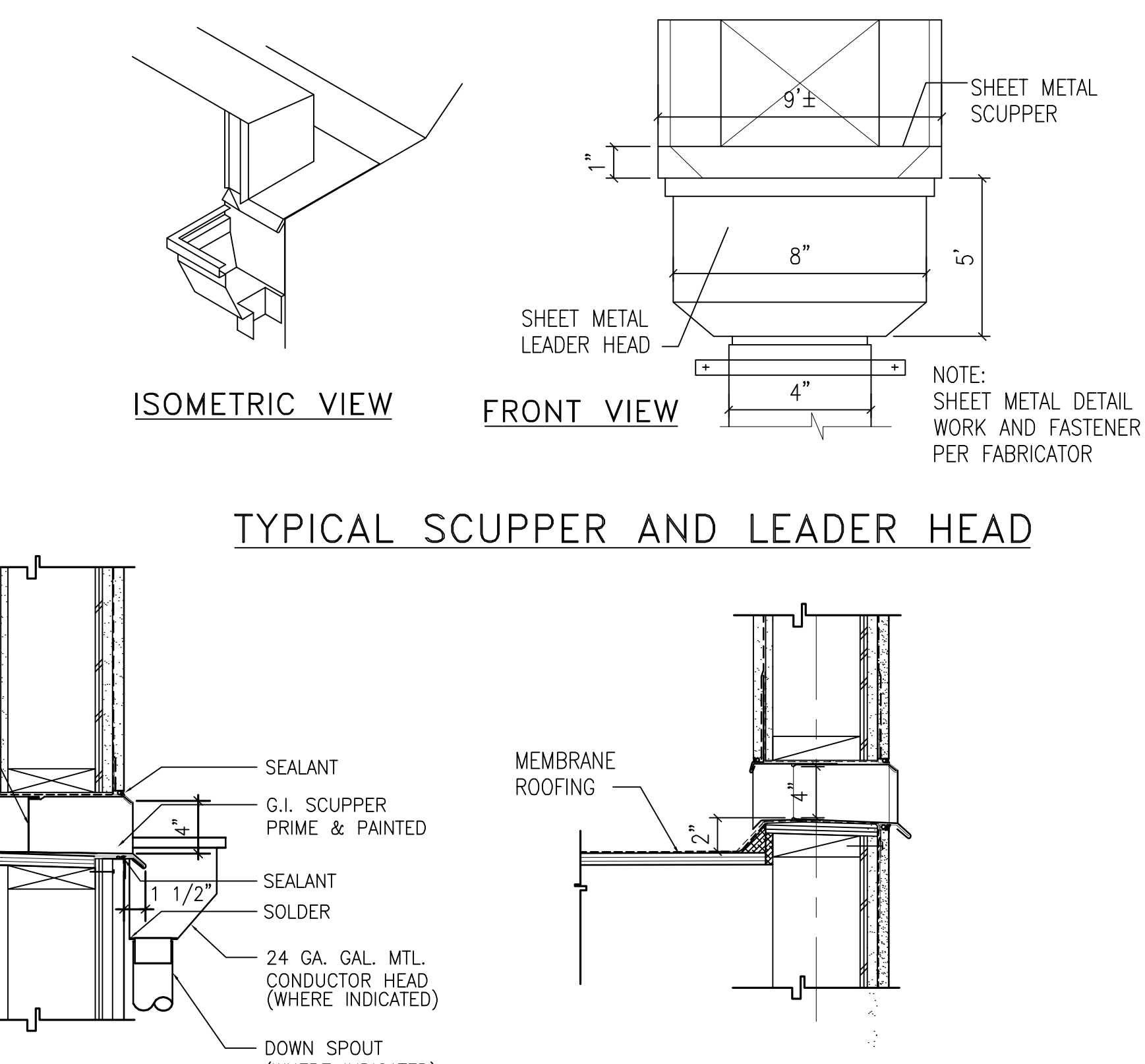
5 SCUPPER AND OVER FLOW DETAILS



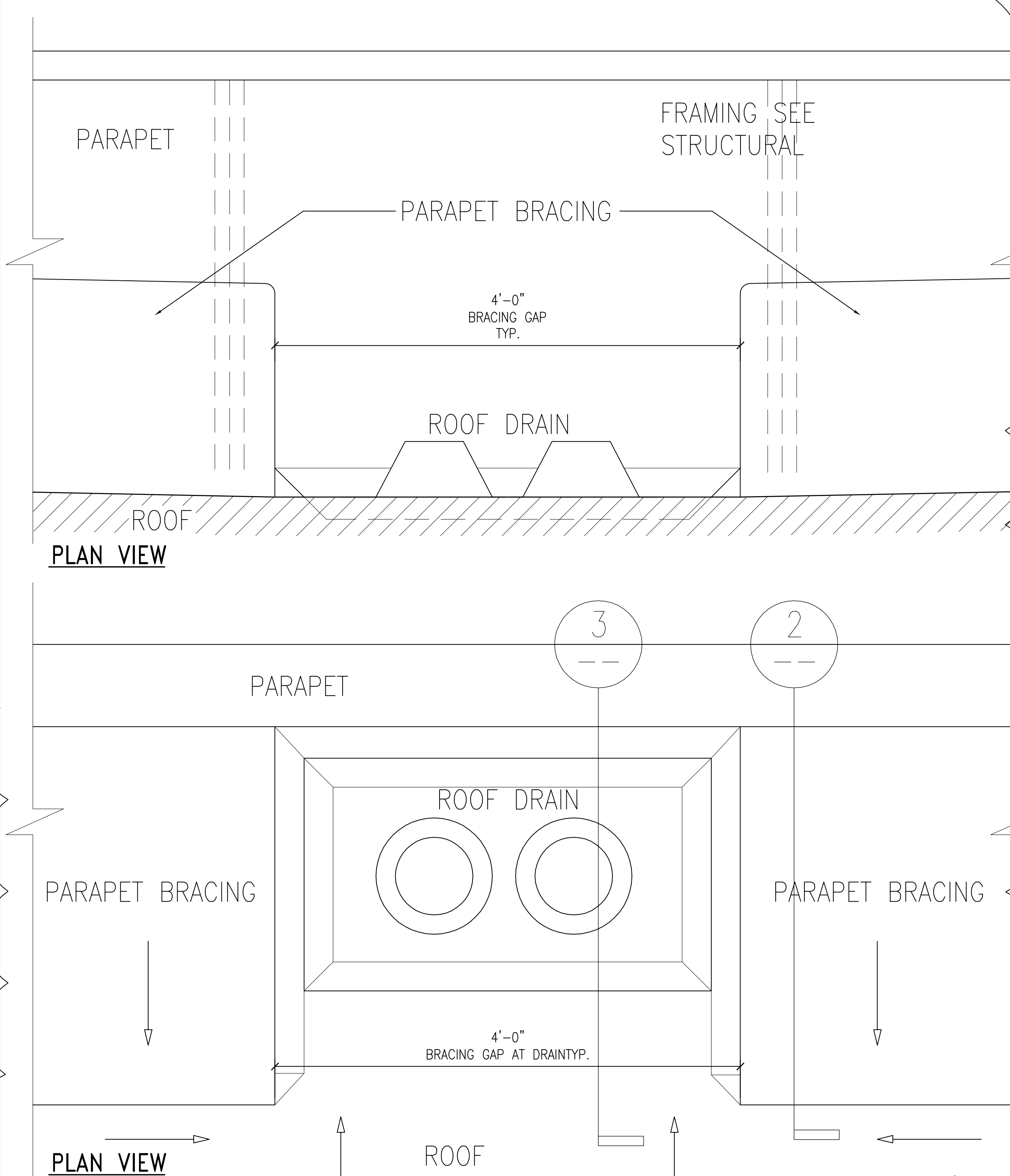
2 PARAPET AND ROOF



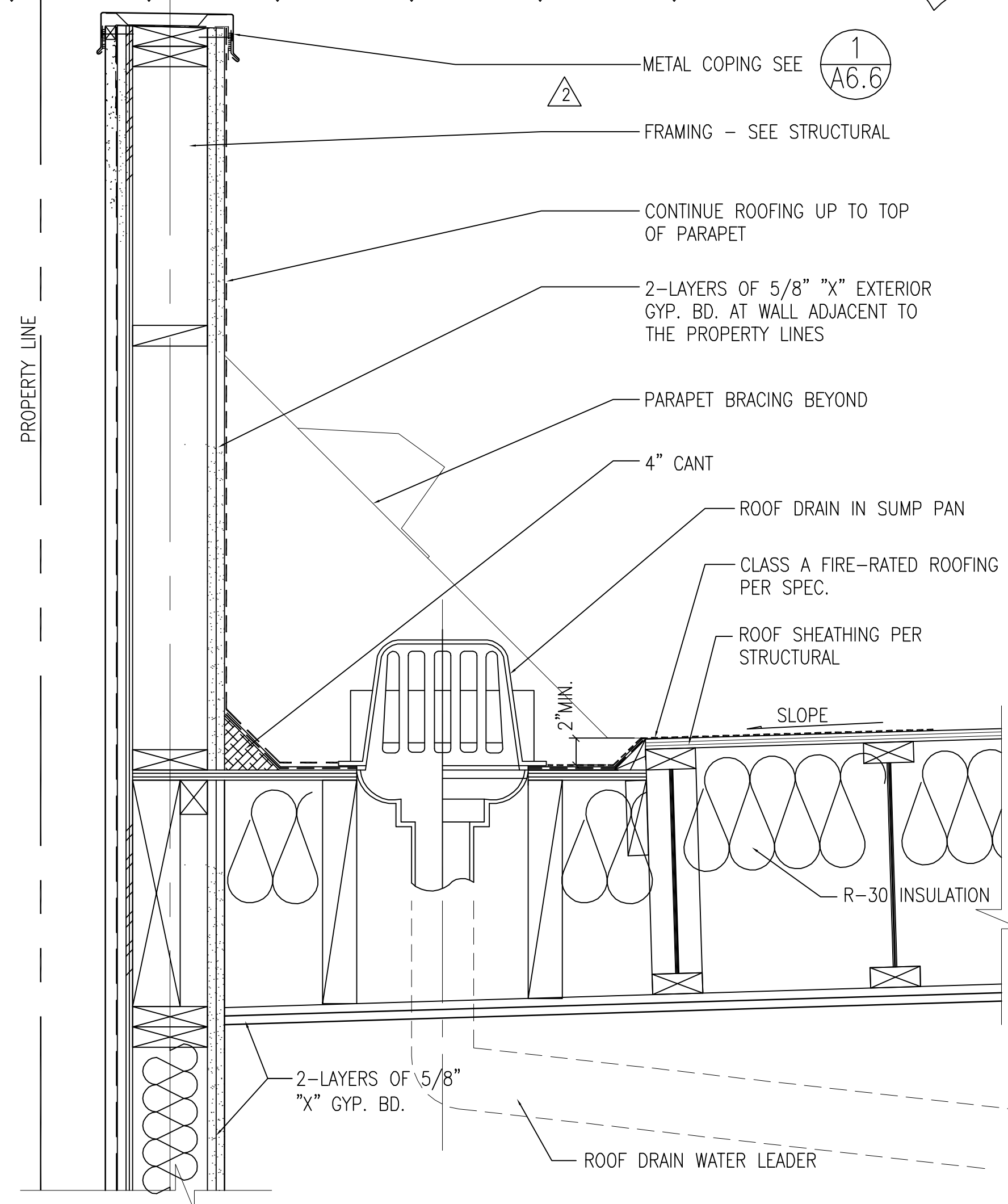
6 ROOFING TO WALL



3 PARAPET AND ROOF DRAIN

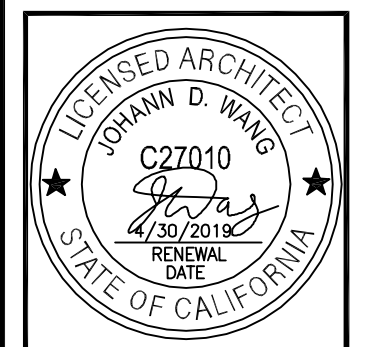


7 PARAPET BRACING GAP AT ROOF DRAIN

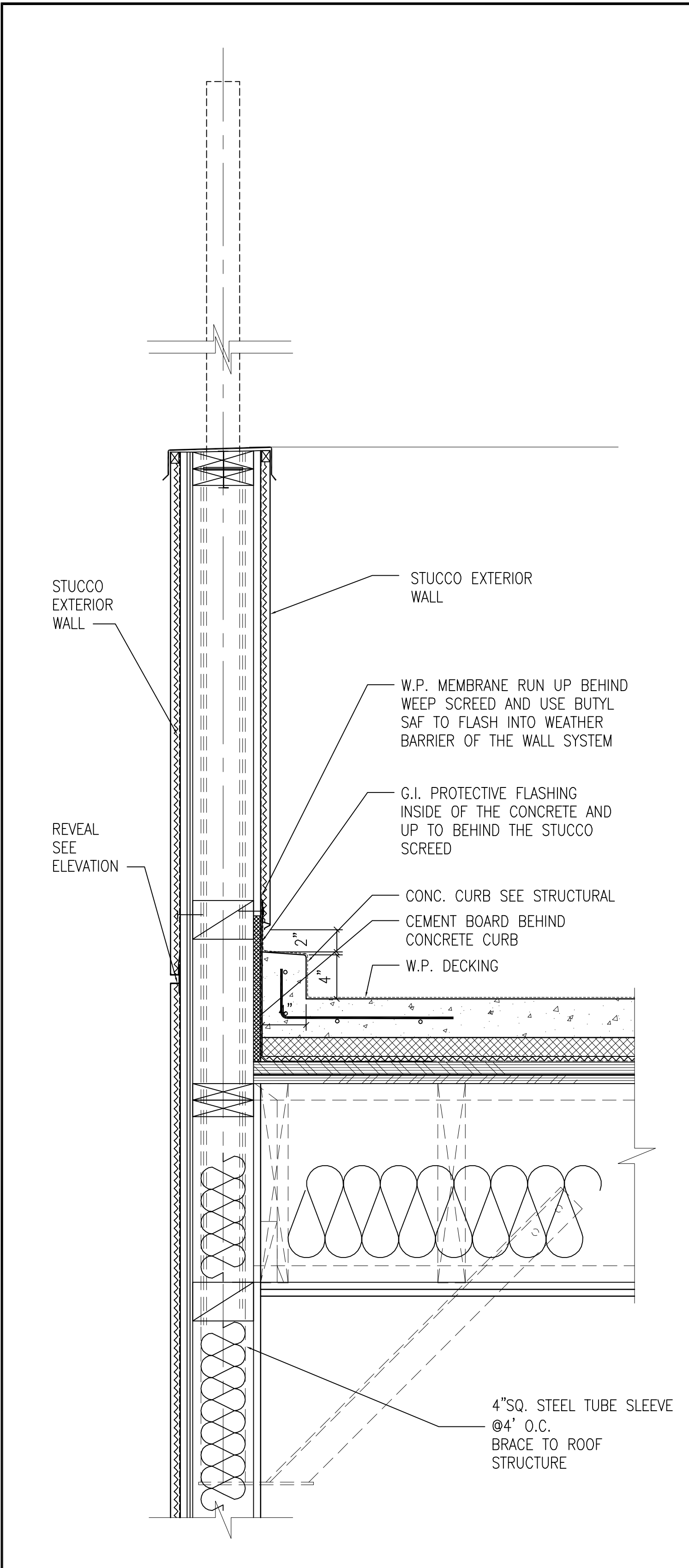


3 PARAPET AND ROOF DRAIN

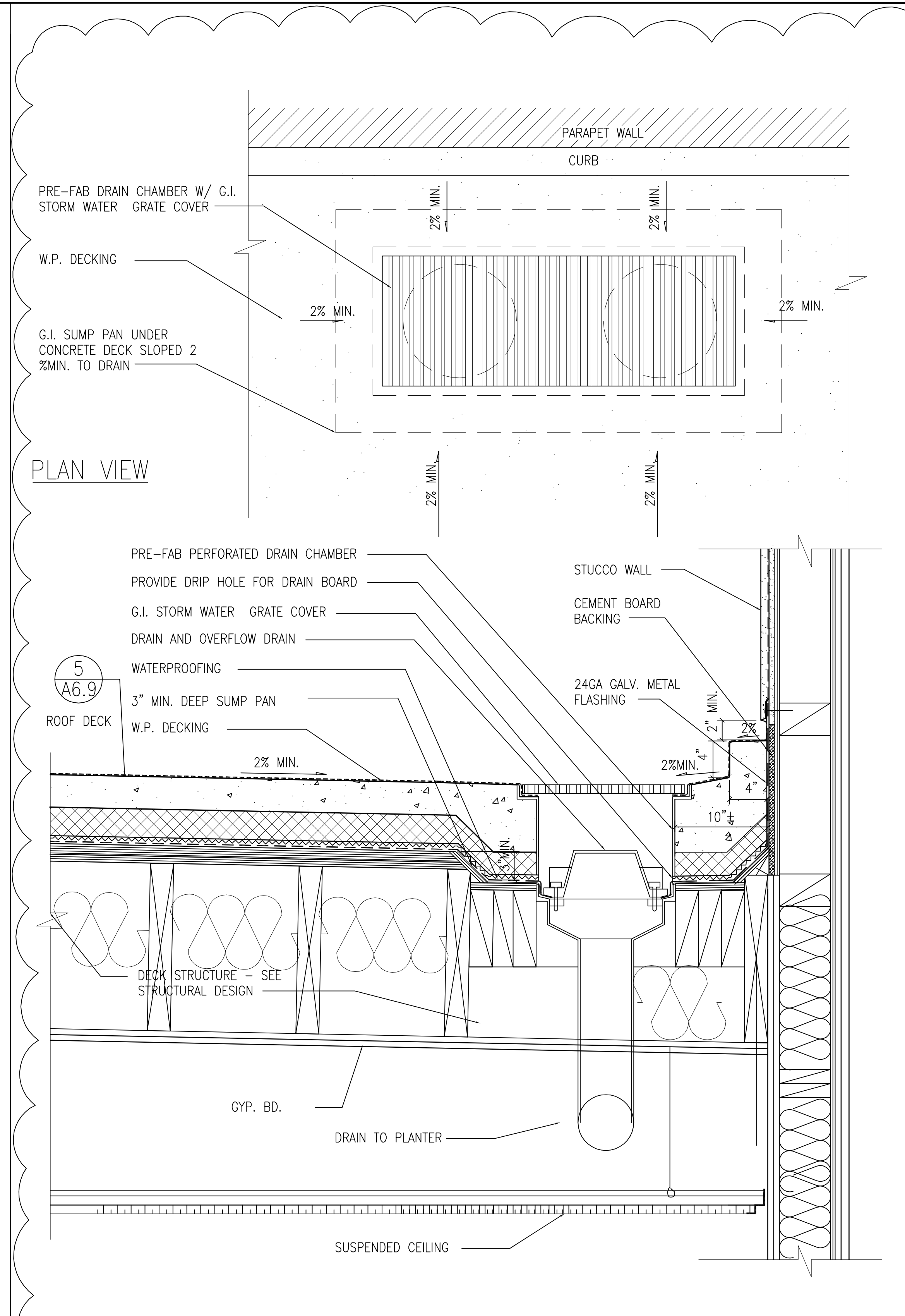
REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	FD PLAN CHECK	10/31/2017
3	FD PLAN CHECK	12/14/2017
4	COORDINATION	08/11/2018
5	CONSULTANT	08/02/2018
6	PERMITS	01/10/2019



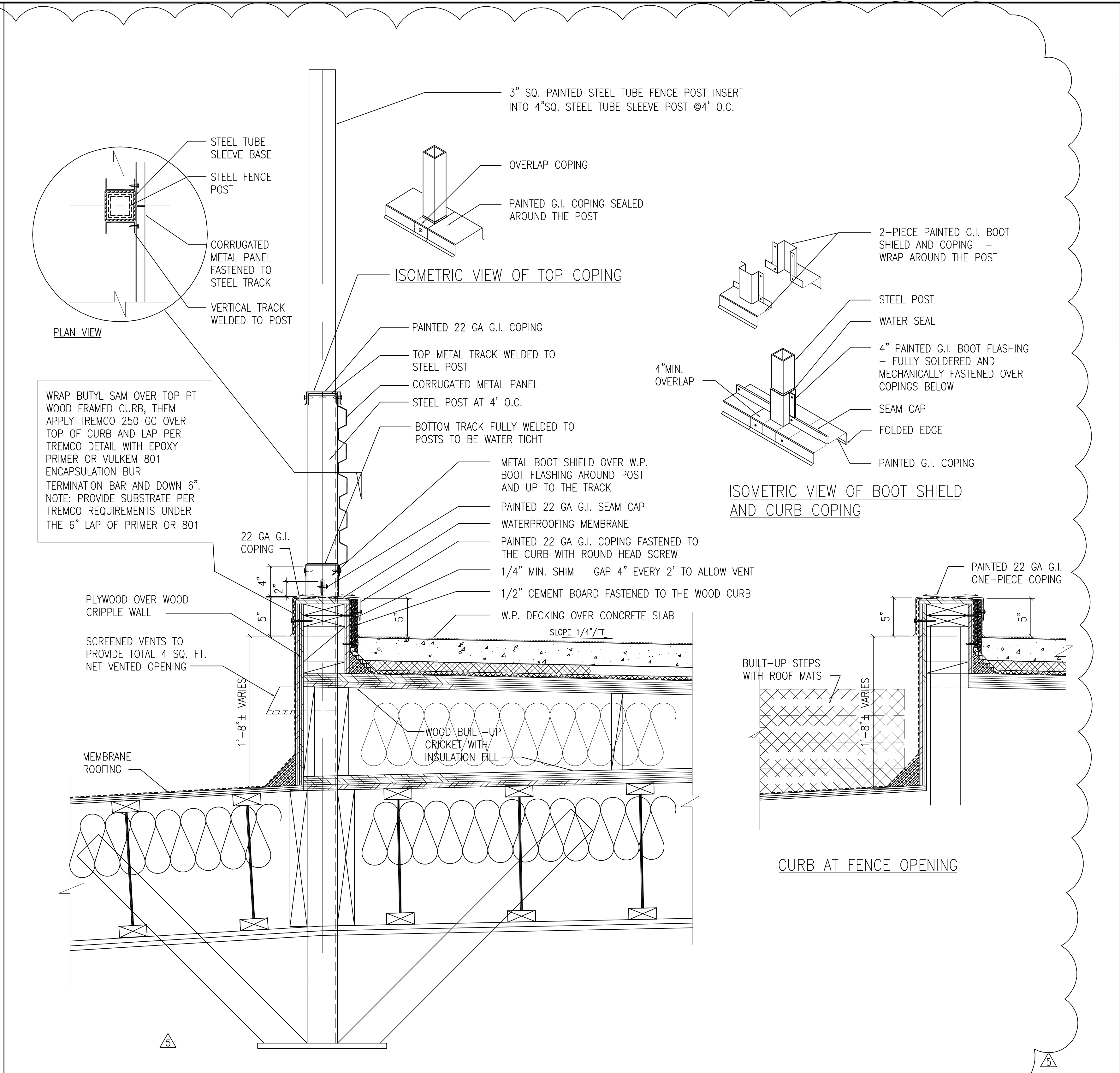
PROJECT	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	SECTIONS AND DETAILS
DRAWN BY	DATE: 01/10/2019
CHECKED BY	DRAWING SCALE: AS NOTED
APPROVED BY	
DRAWING NUMBER	



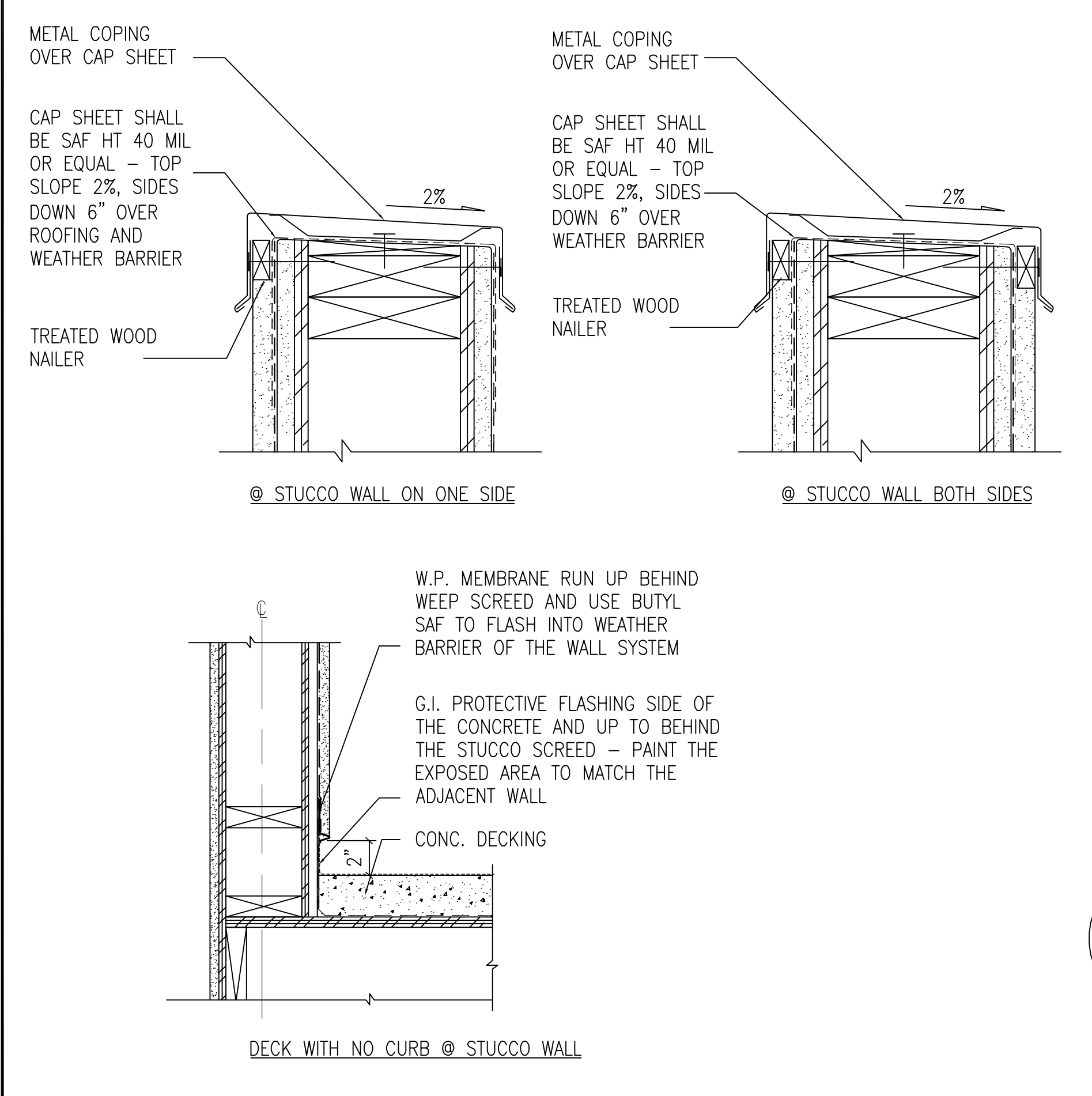
1 ROOF DECK AT PARAPET WALL



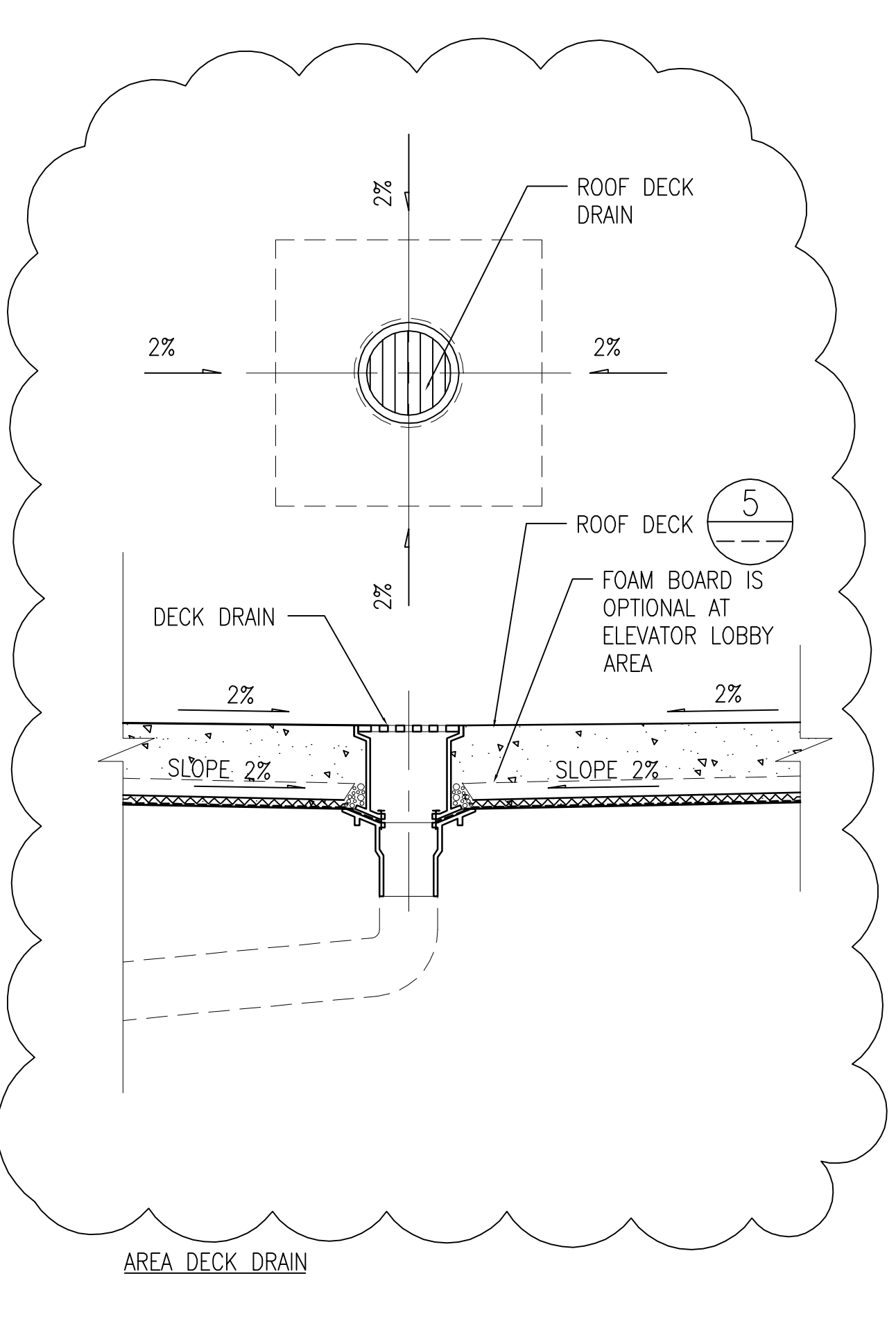
2 DECK DRAIN SIDE AT PARAPET WALL



3 CONC. ROOF DECK AT FENCE WALL



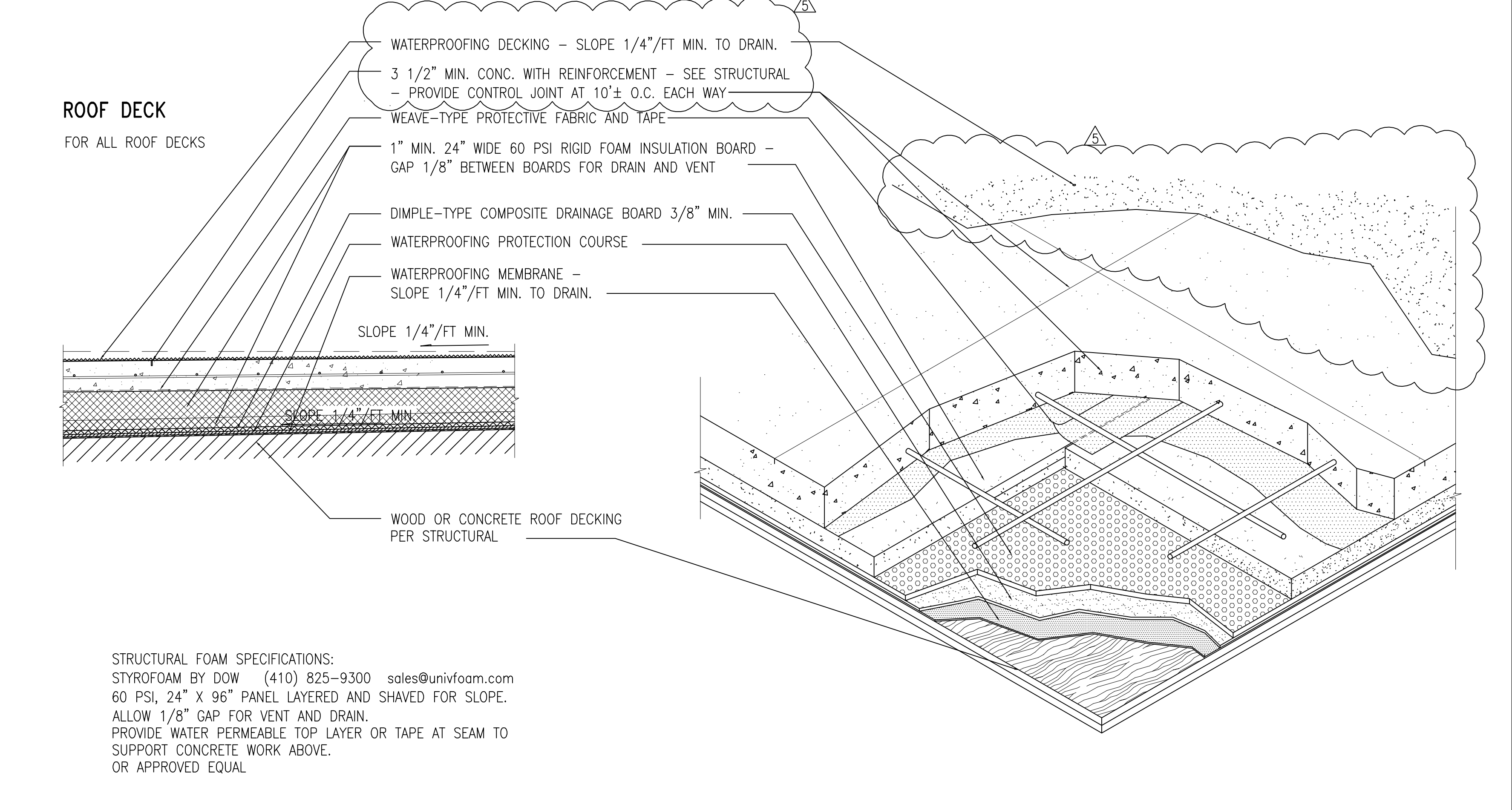
4 TYPICAL WALL AND DECK WATERPROOFING AND DRAIN DETAIL



5 CONCRETE ROOF DECK ASSEMBLY

ROOFING MEMBRANE AND DECK WATERPROOFING NOTES:

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 MANUFACTURER SHALL REVIEW, REVISE AND PROVIDE ALL ROOFING AND WATERPROOFING DETAILS AND SUBMIT ALL FINAL SOLUTIONS TO THE ARCHITECT FOR REVIEW.

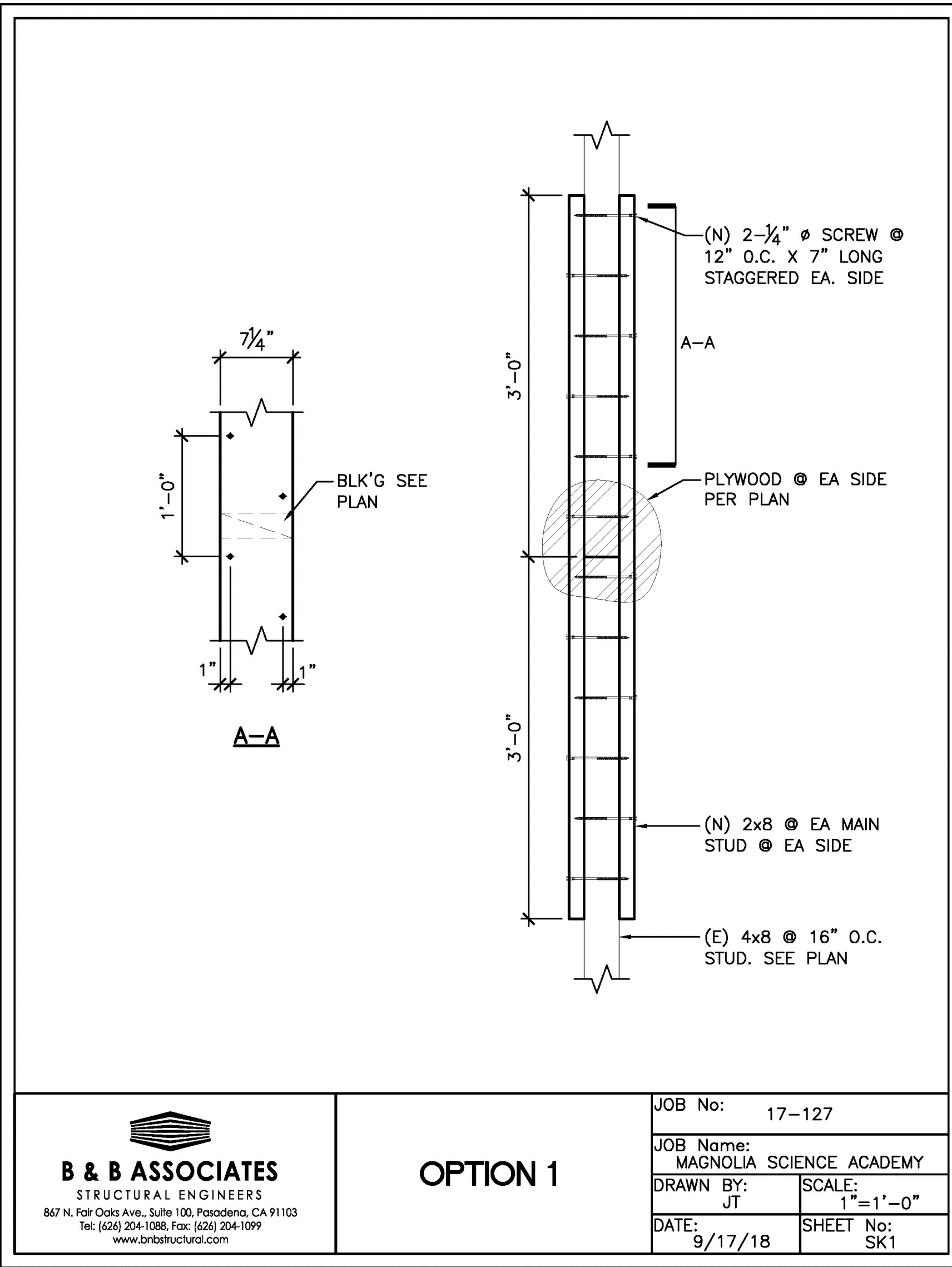


6 ROOF DECK FOR ALL ROOF DECKS

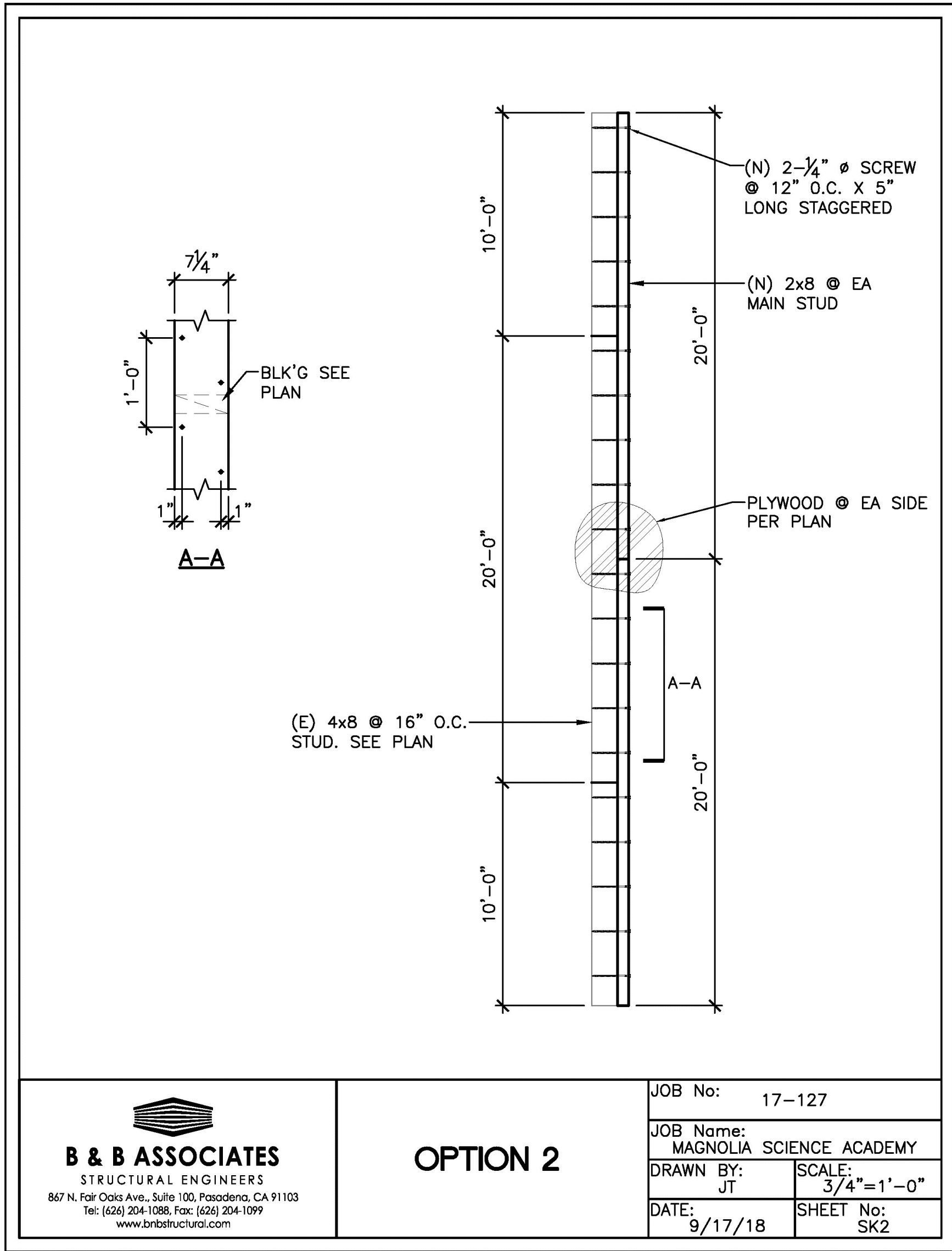
REV	DESCRIPTION	DATE
1	PLAN CHECK #1	6/14/2017
2	FD PLAN CHECK	10/31/2017
3	FD PLAN CHECK	12/14/2017
4	CONSULTANT	08/02/2018
5	COORDINATION	01/10/2019



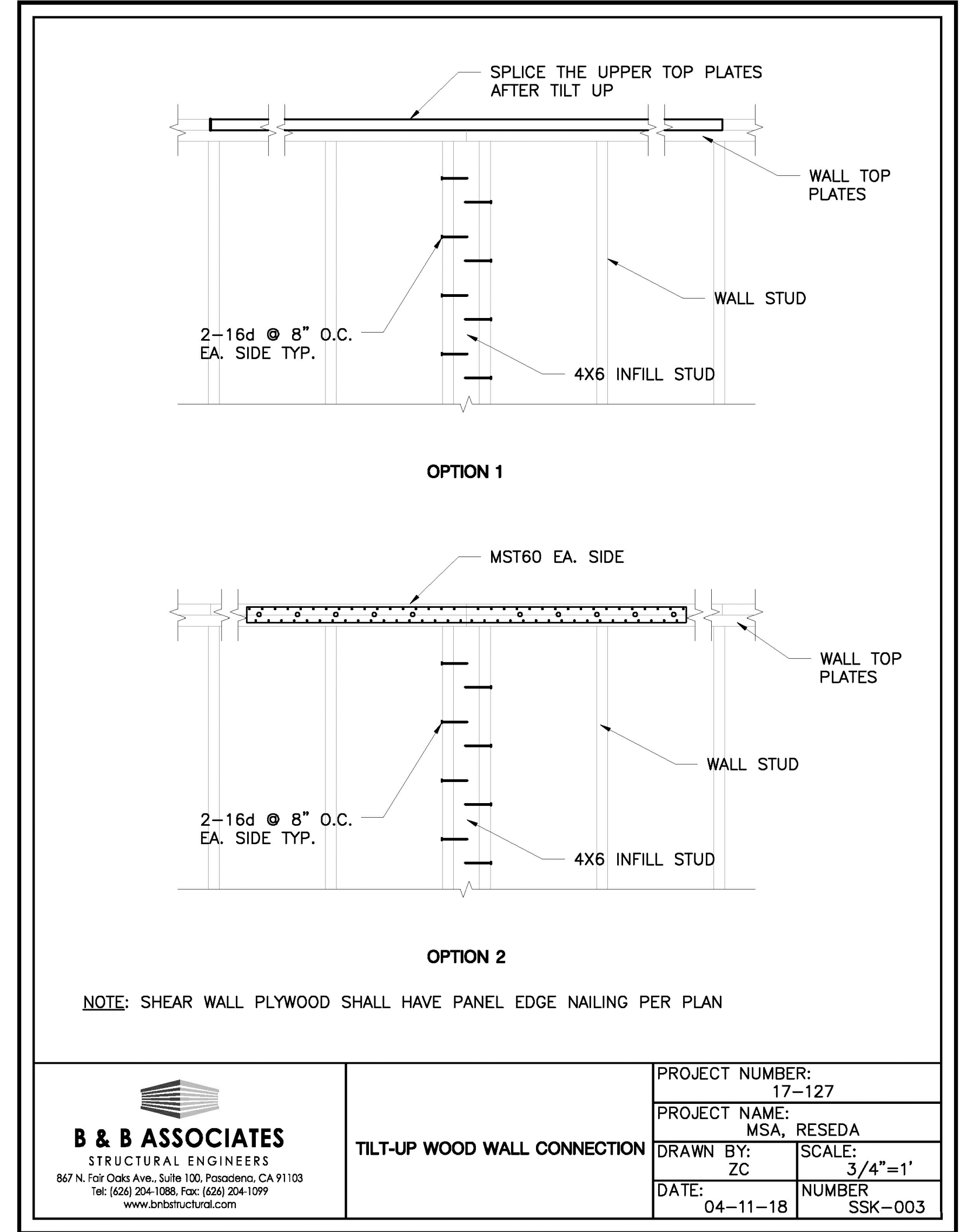
PROJECT NAME	MAGNOLIA SCIENCE ACADEMY
PROJECT ADDRESS	18220 SHERMAN WAY, RESEDA, CA 91335
DRAWING TITLE	SECTIONS AND DETAILS
DRAWN BY	AS NOTED
CHECKED BY	AS NOTED
DATE	01/10/2019



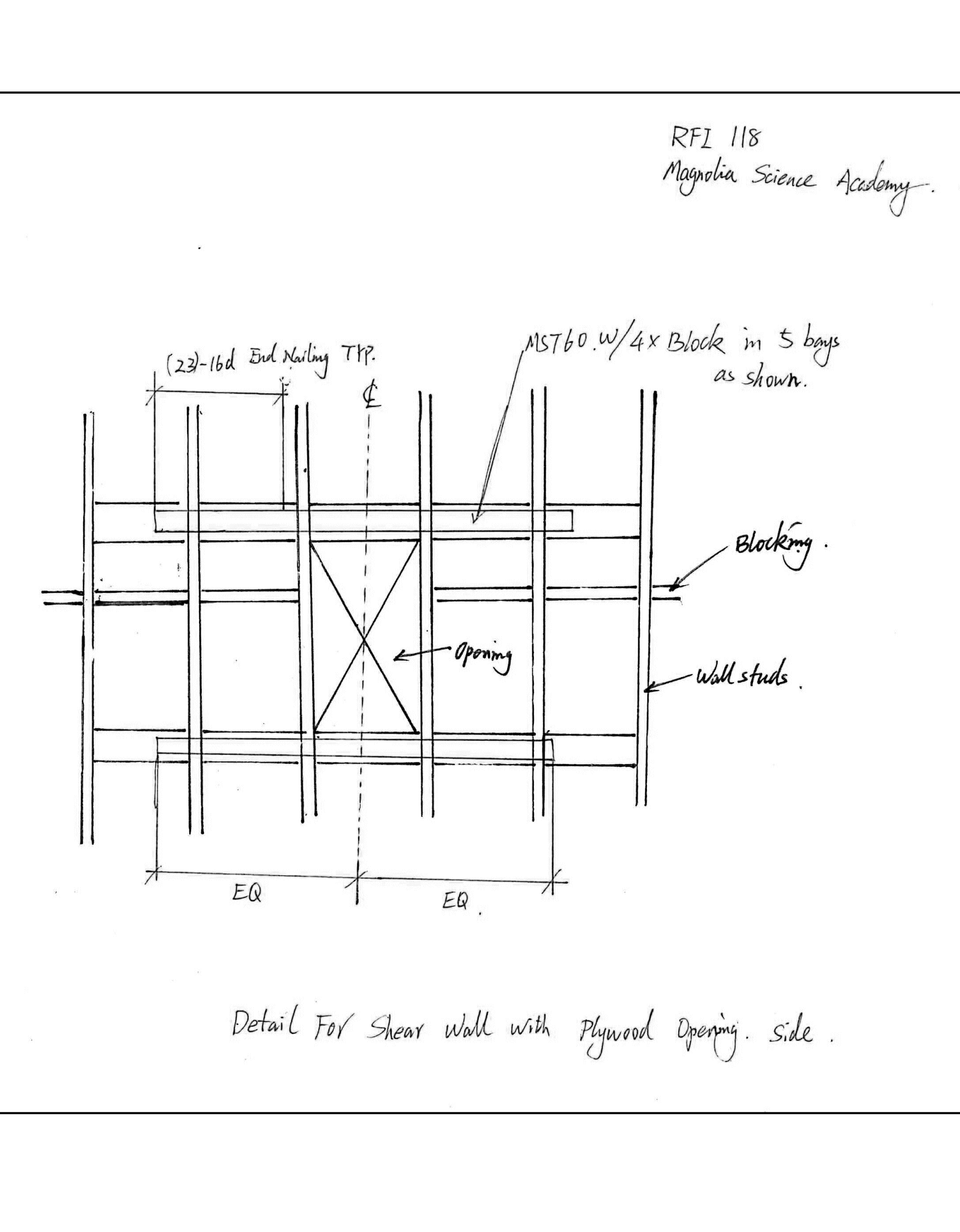
<b>B &amp; B ASSOCIATES</b> STRUCTURAL ENGINEERS 867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103 Tel: (626) 254-1088, Fax: (626) 254-1099 www.bnbstructural.com	OPTION 1	JOB No: 17-127
		JOB Name: MAGNOLIA SCIENCE ACADEMY
		DRAWN BY: JT SCALE: 1/2"=1'-0"
		DATE: 9/17/18 SHEET No: SK1



<b>B &amp; B ASSOCIATES</b> STRUCTURAL ENGINEERS 867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103 Tel: (626) 254-1088, Fax: (626) 254-1099 www.bnbstructural.com	OPTION 2	JOB No: 17-127
		JOB Name: MAGNOLIA SCIENCE ACADEMY
		DRAWN BY: JT SCALE: 3/4"=1'-0"
		DATE: 9/17/18 SHEET No: SK2



<b>B &amp; B ASSOCIATES</b> STRUCTURAL ENGINEERS 867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103 Tel: (626) 254-1088, Fax: (626) 254-1099 www.bnbstructural.com	TILT-UP WOOD WALL CONNECTION	PROJECT NUMBER: 17-127
		PROJECT NAME: MSA, RESEDA
		DRAWN BY: ZC SCALE: 3/4"=1'
		DATE: 04-11-18 NUMBER: SSK-003

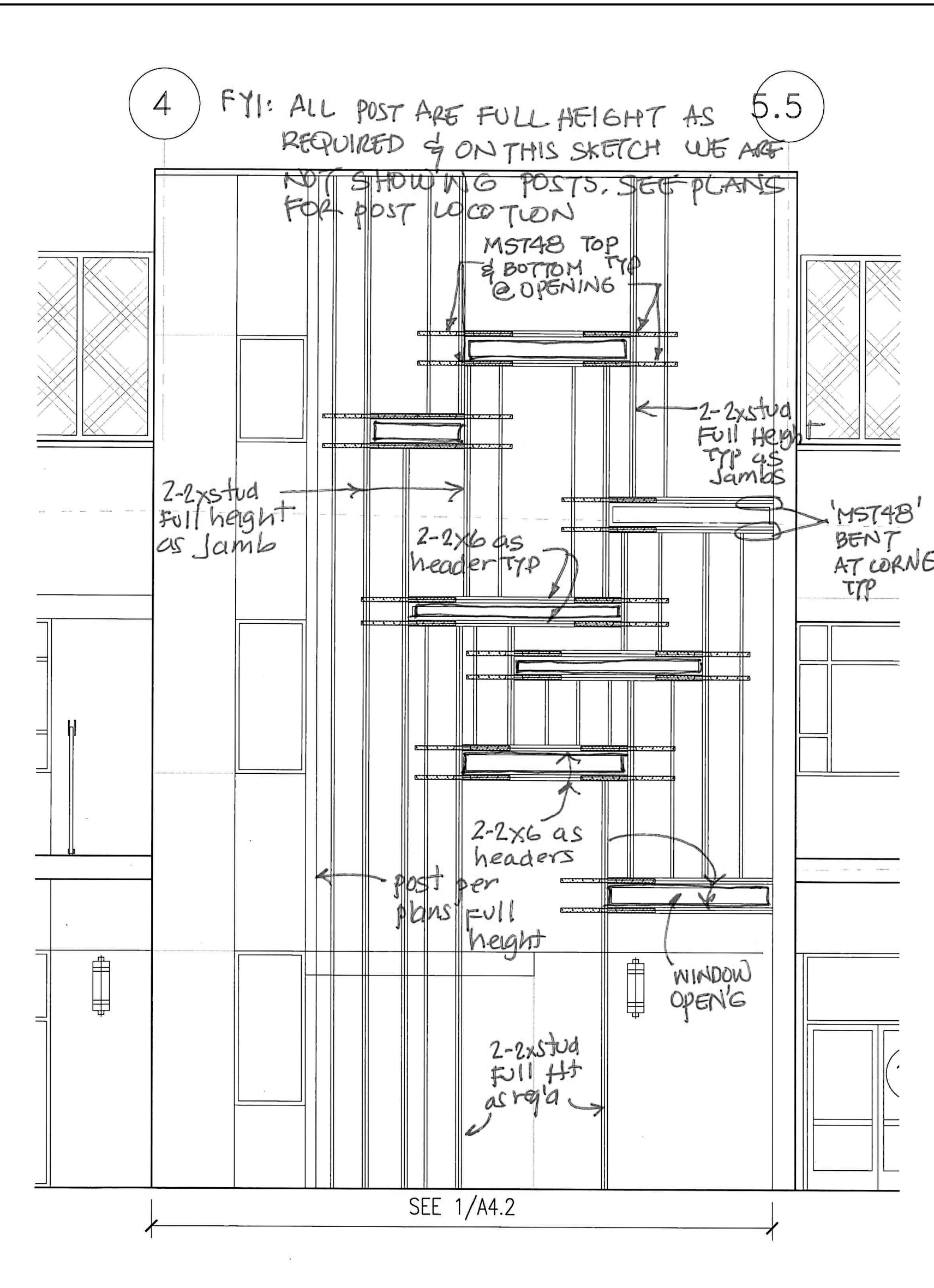


<b>B &amp; B ASSOCIATES</b> STRUCTURAL ENGINEERS 867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103 Tel: (626) 254-1088, Fax: (626) 254-1099 www.bnbstructural.com	DETAIL FOR SHEAR WALL WITH PLYWOOD OPENING. SIDE.	RE: RFI-118
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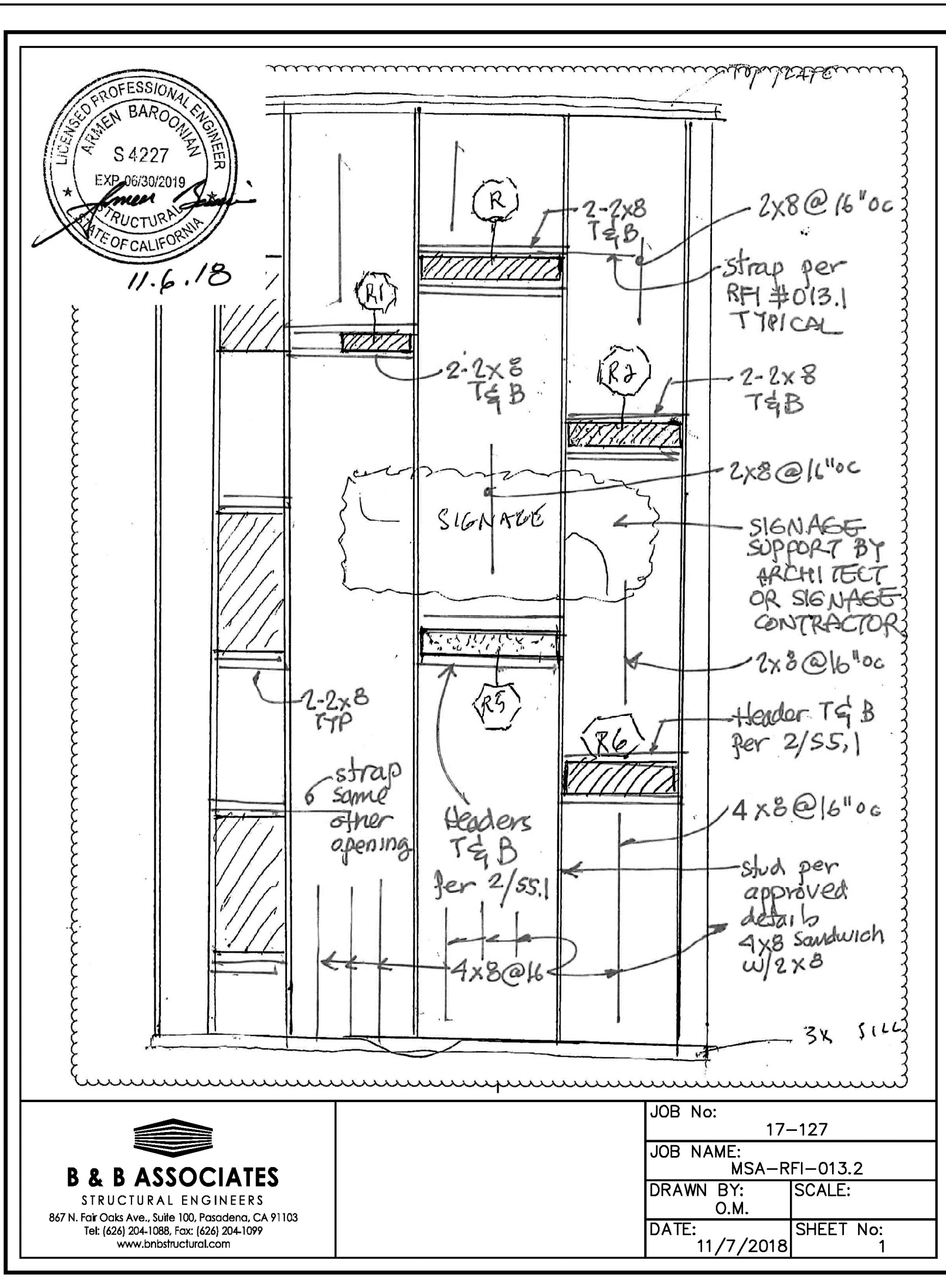
1 TYPICAL STUD SPICING DETAIL

2 WALL PANEL CONNECTION DETAIL

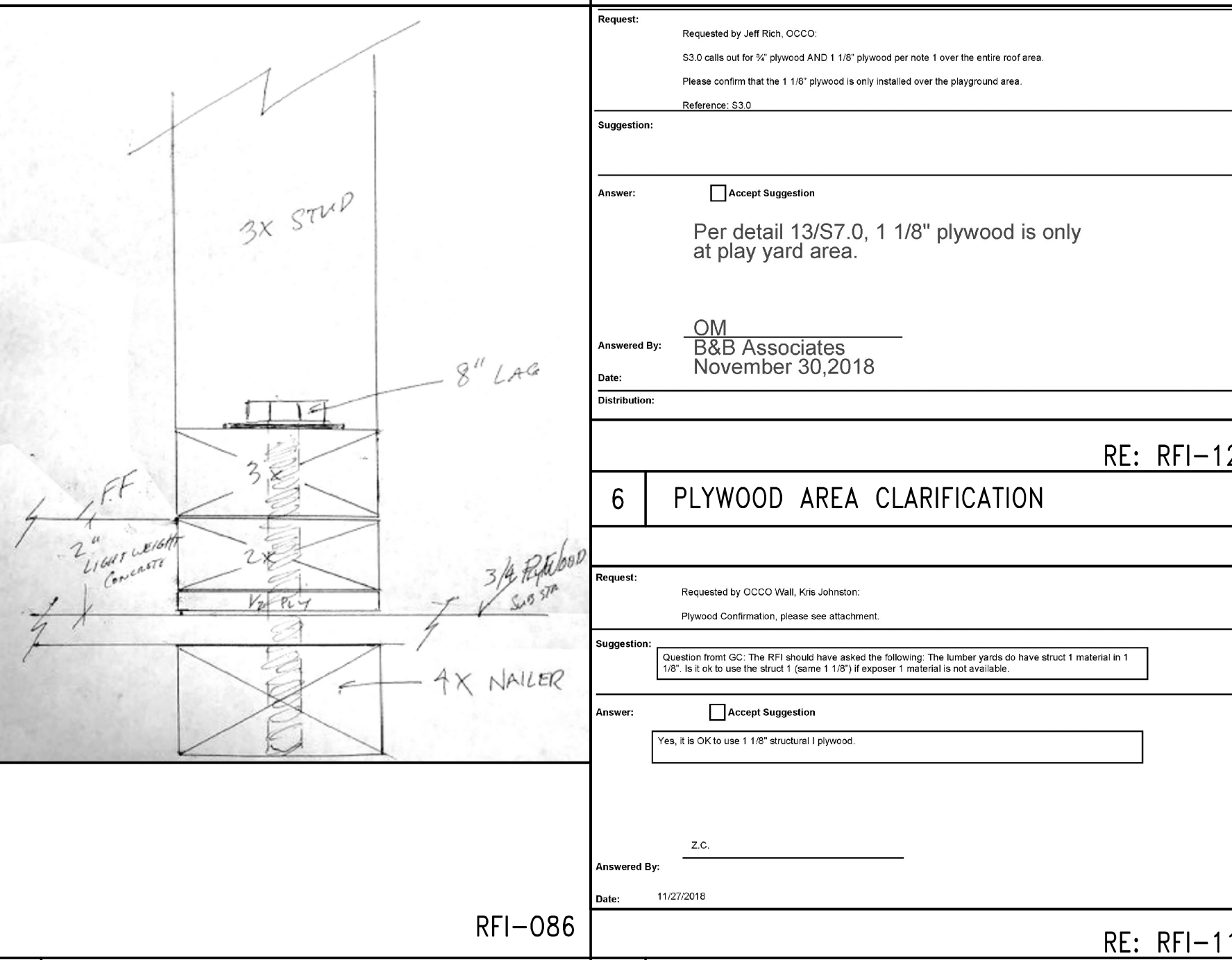
3 FIRE EXTINGUISHER OPENING ON SHEER WALL DETAIL



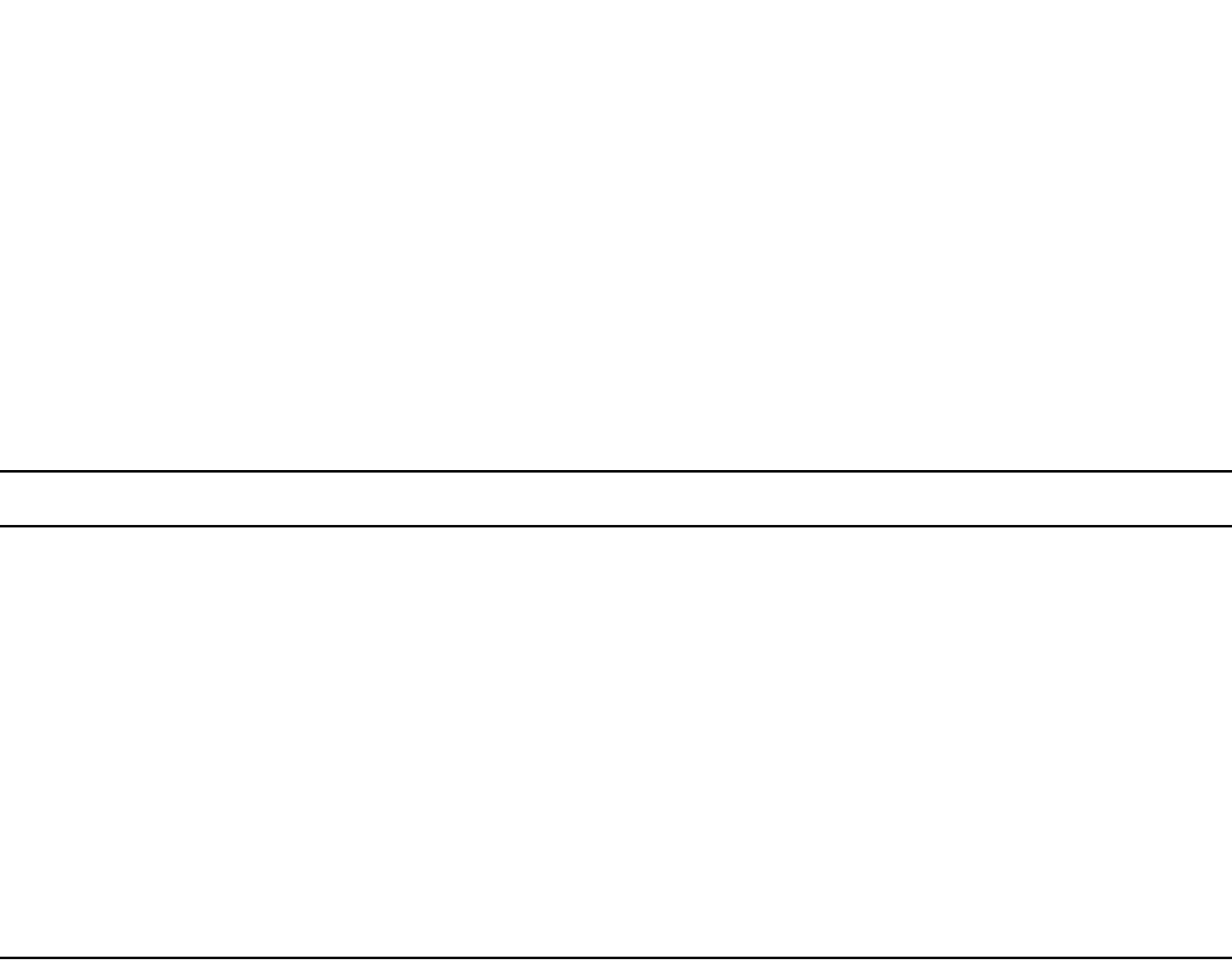
<b>B &amp; B ASSOCIATES</b> STRUCTURAL ENGINEERS 867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103 Tel: (626) 254-1088, Fax: (626) 254-1099 www.bnbstructural.com	STAIR-2 SOUTH WALL FRAMING DETAILS	JOB No: 17-127
		JOB Name: MSA-RFI-013.2
		DRAWN BY: O.M. SCALE:
		DATE: 11/7/2018 SHEET No: 1



<b>B &amp; B ASSOCIATES</b> STRUCTURAL ENGINEERS 867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103 Tel: (626) 254-1088, Fax: (626) 254-1099 www.bnbstructural.com	SILL PLATE SHIM DETAIL	JOB No: 17-127
		JOB Name: MSA-RFI-013.2
		DRAWN BY: O.M. SCALE:
		DATE: 11/7/2018 SHEET No: 1



<b>B &amp; B ASSOCIATES</b> STRUCTURAL ENGINEERS 867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103 Tel: (626) 254-1088, Fax: (626) 254-1099 www.bnbstructural.com	ALTERNATIVE PLYWOOD SPEC.	RE: RFI-122
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<b>B &amp; B ASSOCIATES</b> STRUCTURAL ENGINEERS 867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103 Tel: (626) 254-1088, Fax: (626) 254-1099 www.bnbstructural.com	PLYWOOD AREA CLARIFICATION	RE: RFI-115
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4 STAIR-2 SOUTH WALL FRAMING DETAILS

5 SILL PLATE SHIM DETAIL

6 PLYWOOD AREA CLARIFICATION

7 ALTERNATIVE PLYWOOD SPEC.

RE: RFI-018

RE: RFI-018

RE: RFI-118

REF: RFI-013.1 AND RFI-13.2

FRANCO ARCHITECTS INC.  
 18220 Sherman Way, Reseda, CA 91335  
 Tel: 818 744-0000  
 Fax: 818 744-0008

B & B ASSOCIATES  
 STRUCTURAL ENGINEERS  
 867 N. For Oaks Ave., Suite 100, Pasadena, CA 91103  
 Tel: (626) 254-1088, Fax: (626) 254-1099  
 www.bnbstructural.com

MAGNOLIA SCIENCE ACADEMY  
 18220 SHERMAN WAY, RESEDA, CA 91335

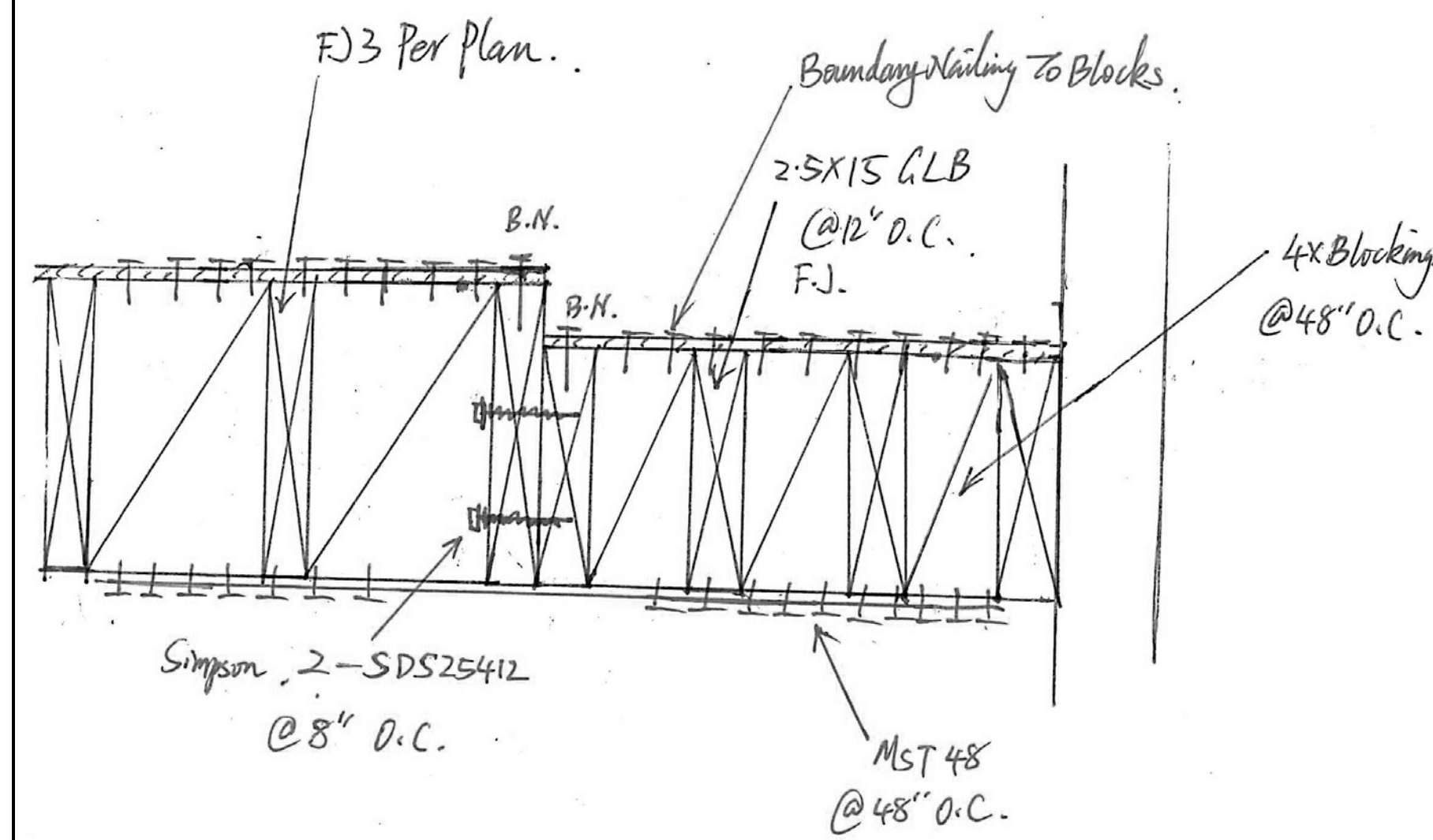
REV	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	01/02/2019
2	AS NOTED	

MAGNOLIA SCIENCE ACADEMY  
 18220 SHERMAN WAY, RESEDA, CA 91335

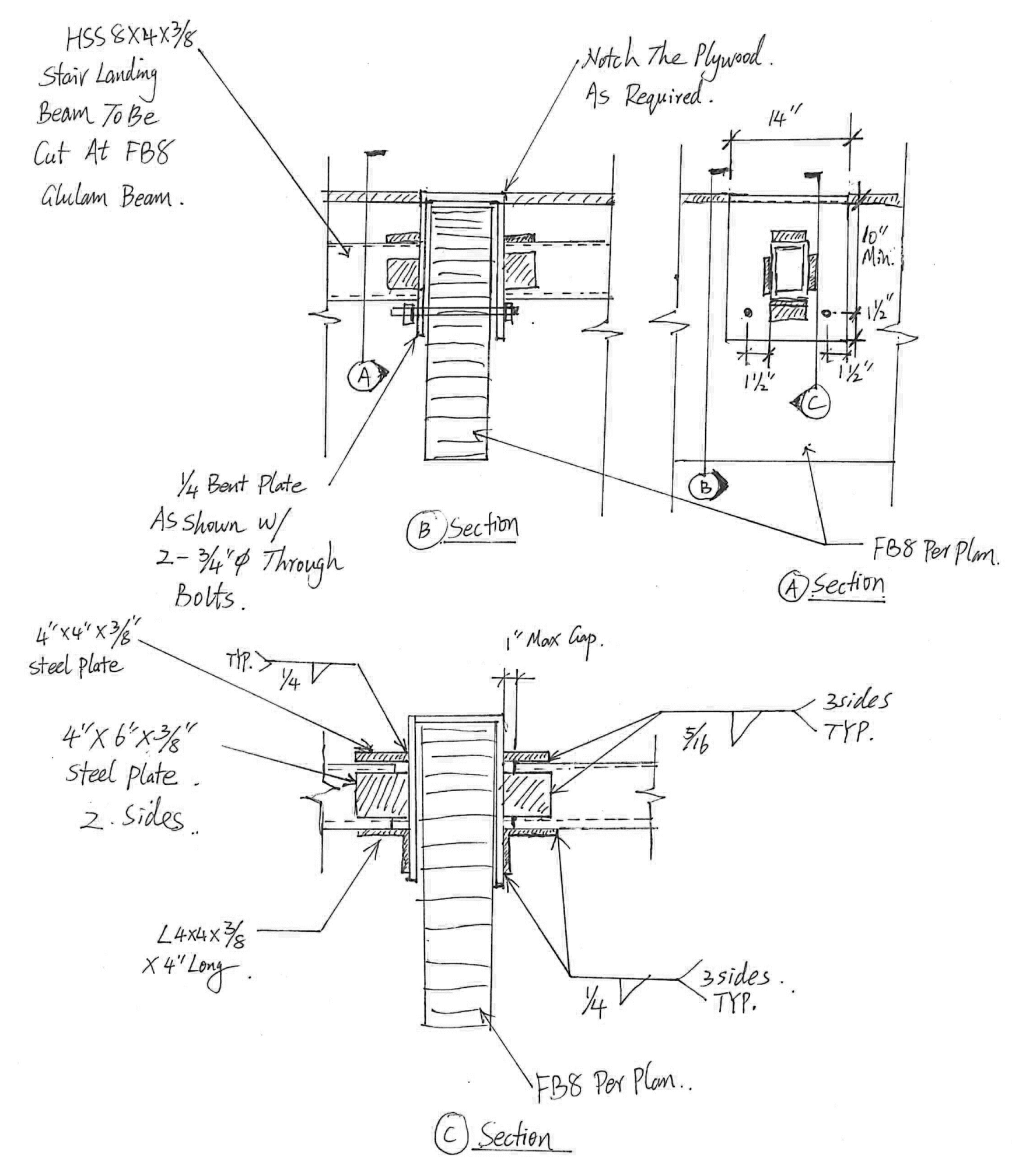
MISCELLANEOUS DETAILS  
 01/02/2019  
 AS NOTED

S9.0

MSA Roof Depress  
Along Grid 6.

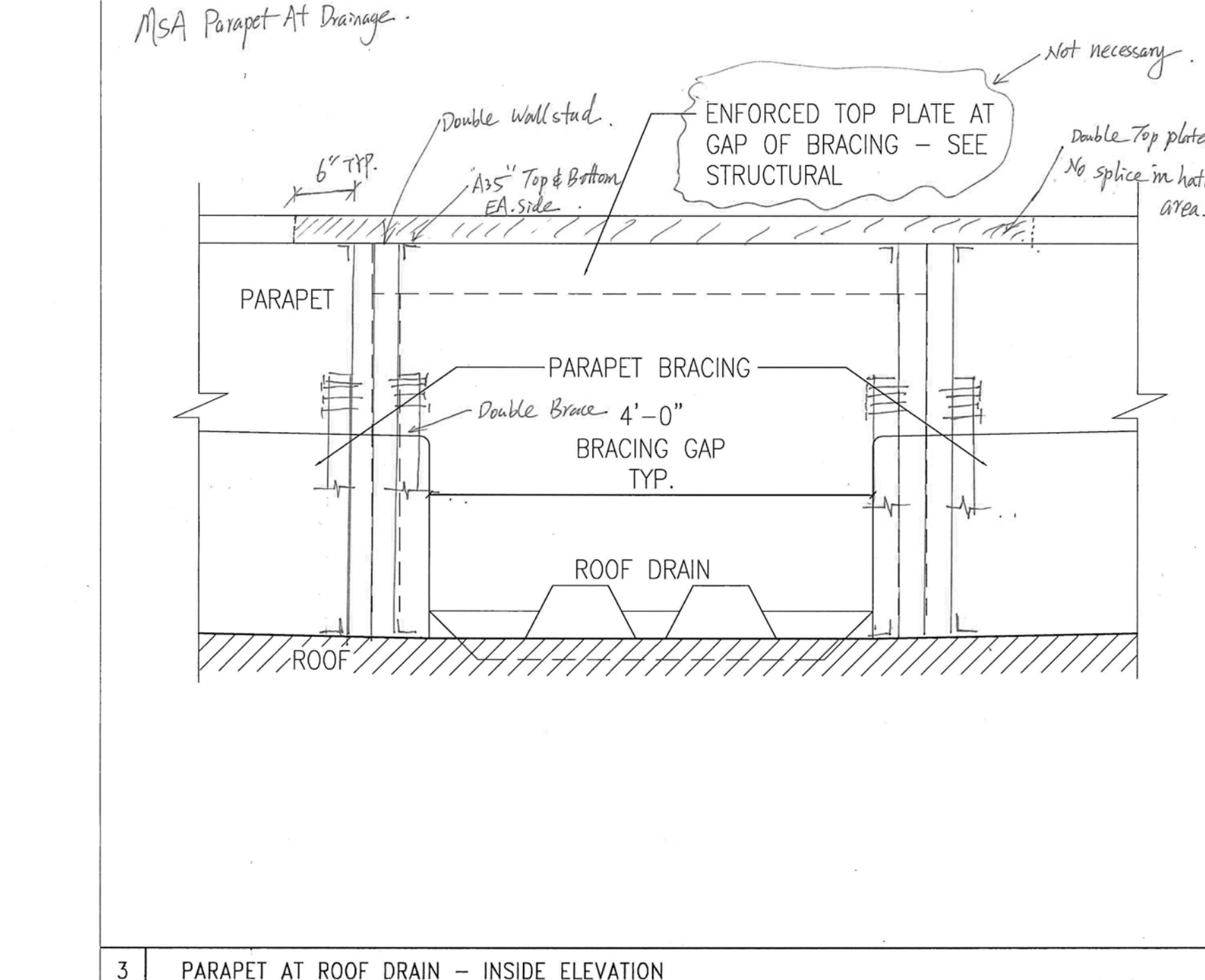
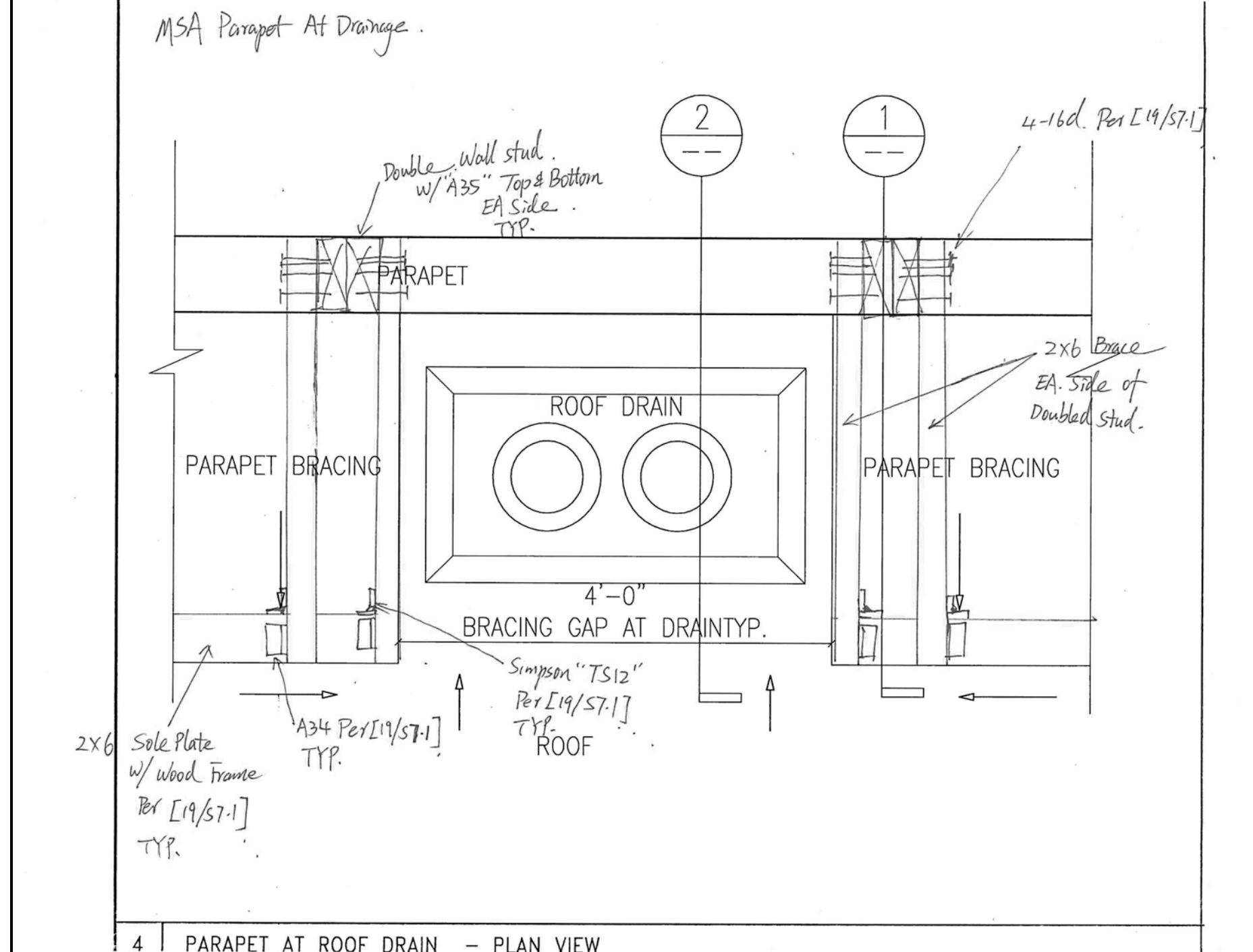


Note: This detail is only for roof depress.  
Please follow the approved structural drawing  
for other parts of construction



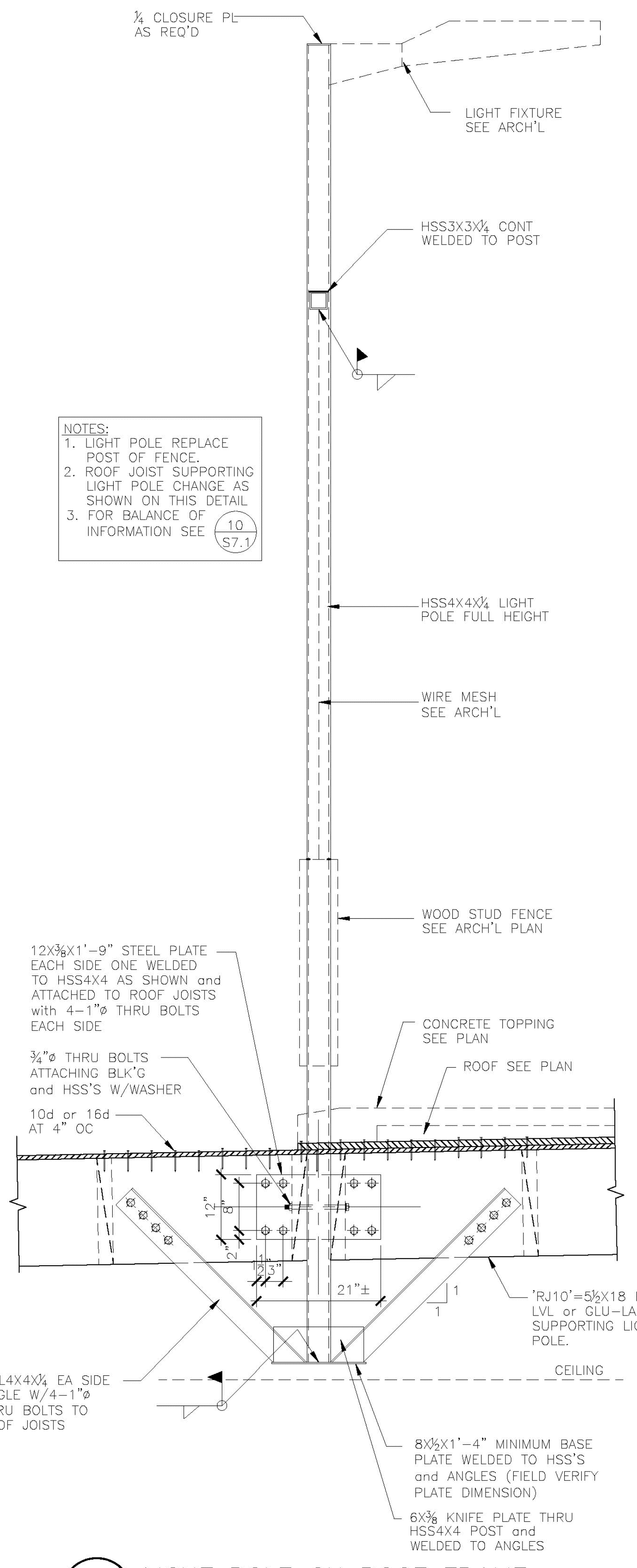
1 ROOF DEPRESS FRAMING DETAIL

2 STAIR-1 ROOF BEAMS CROSSING DETAIL

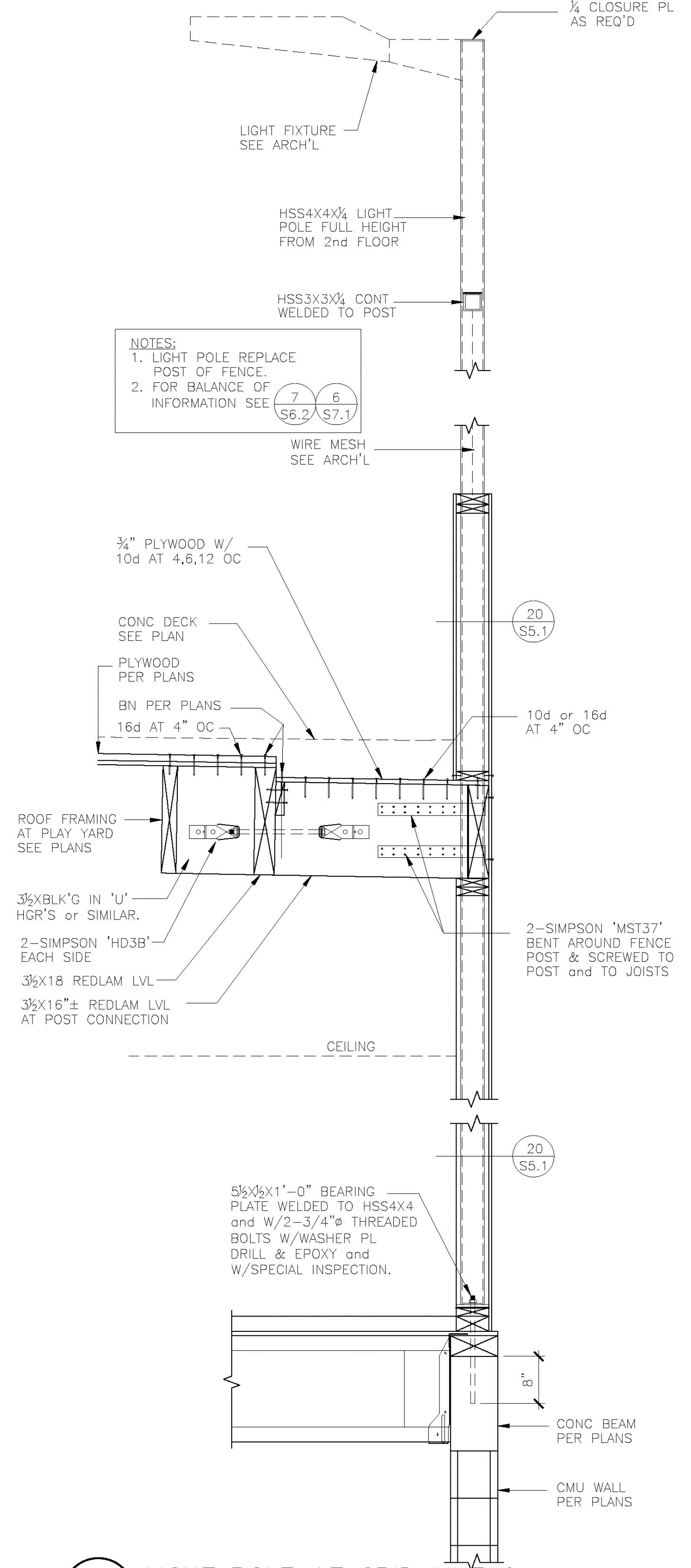


4 PARAPET BRACING GAP AT ROOF DRAIN

3 PARAPET AT ROOF DRAIN - INSIDE ELEVATION



A LIGHT POLE ON ROOF FRAME  
SCALE: 3/4"=1'-0"



B LIGHT POLE AT GRID LINE 6  
SCALE: 3/4"=1'-0"

SSK-004  
REF. RFI #73  
9/25/2018

REV	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	01/02/2019



MAGNOLIA SCIENCE ACADEMY

18220 SHERMAN WAY, RESEDA, CA 91335

MISCELLANEOUS  
DETAILS

DATE: 01/02/2019  
AS NOTED

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.



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 17<sup>th</sup>, 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



**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
			<b>Subtotal:</b>	\$2,220.00
			<b>Subtotal:</b>	<b>\$2,220.00</b>
		MATERIAL TAX	\$660.00	9.00%
		O H & p	\$2,279.40	10.00%
			<b>Total:</b>	<b>\$2,507.34</b>

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
			<b>Subtotal:</b>	<b>\$6,720.00</b>
			<b>Subtotal:</b>	<b>\$6,720.00</b>
	MATERIAL TAX		\$6,495.00 9.00%	\$584.55
	OH & P		\$7,304.55 10.00%	\$730.46
			<b>Total:</b>	<b>\$8,035.01</b>

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
			<b>Subtotal:</b>	<b>\$-1,410.00</b>
			<b>Subtotal:</b>	<b>\$-1,410.00</b>
	Tax	\$190.00	-9.00%	\$-17.10
			<b>Total:</b>	<b>\$-1,427.10</b>

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.**

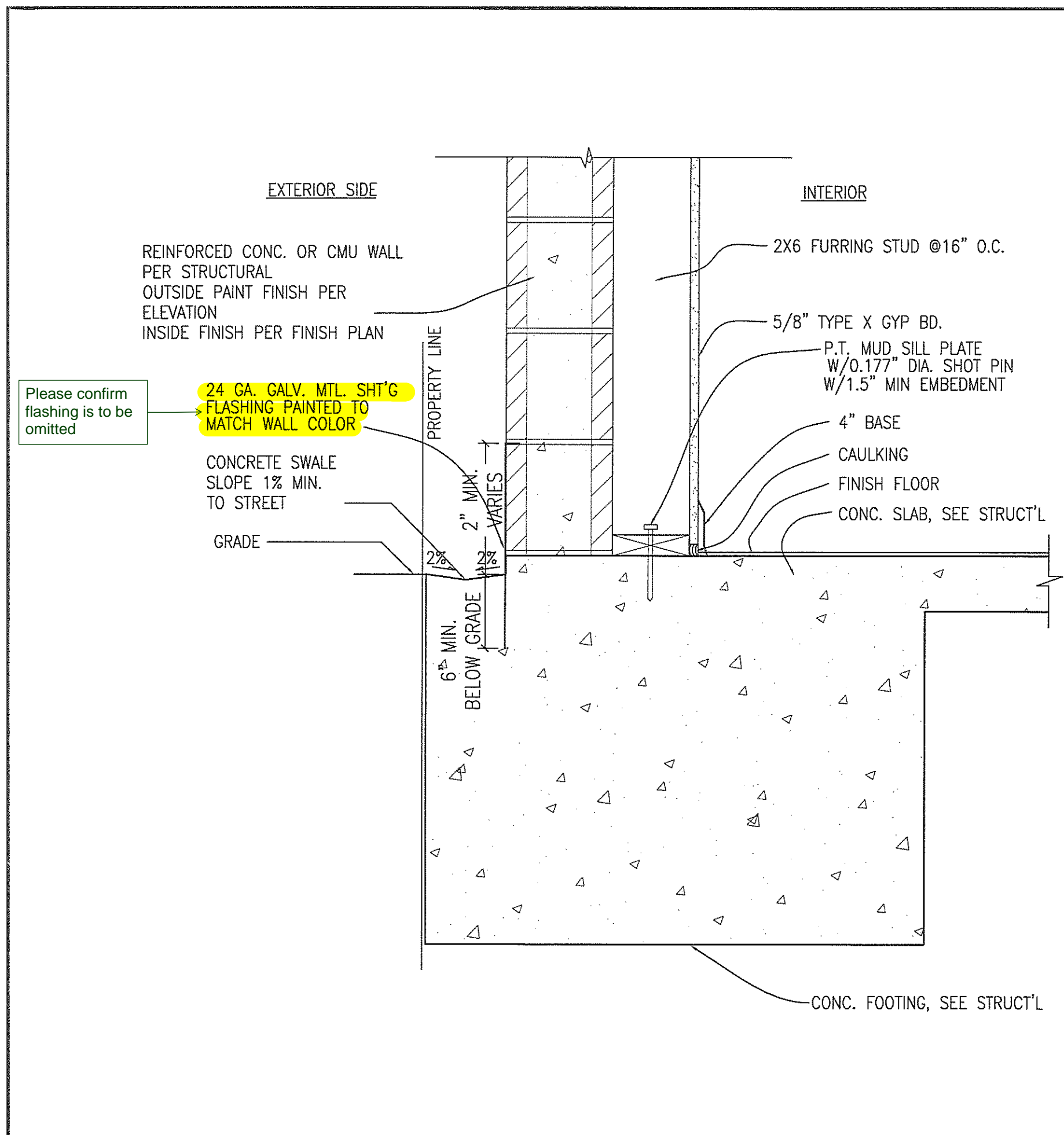
**Johann Wang**

**Answered By:**

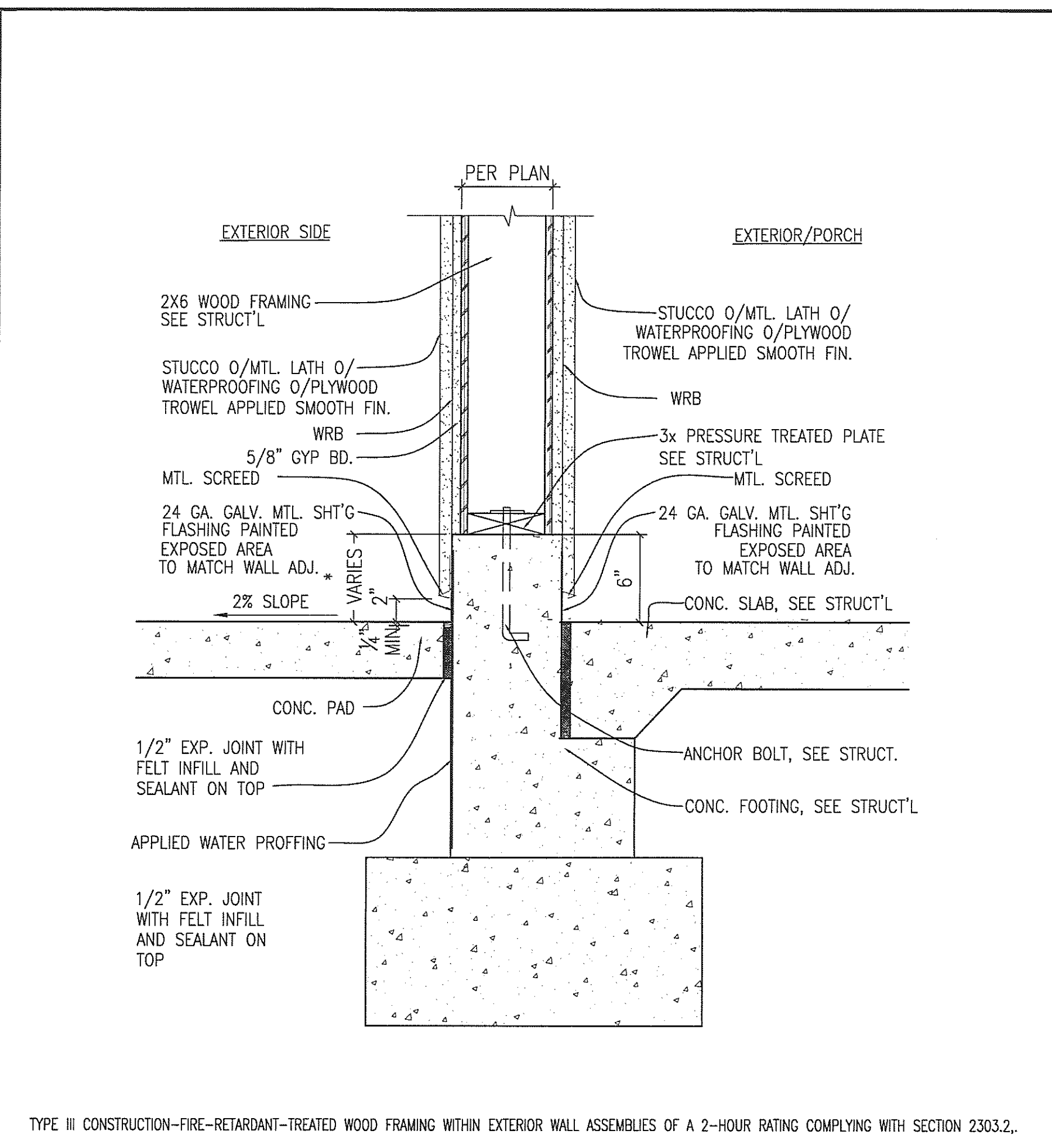
**Date:** 8/13/2018

**Distribution:**

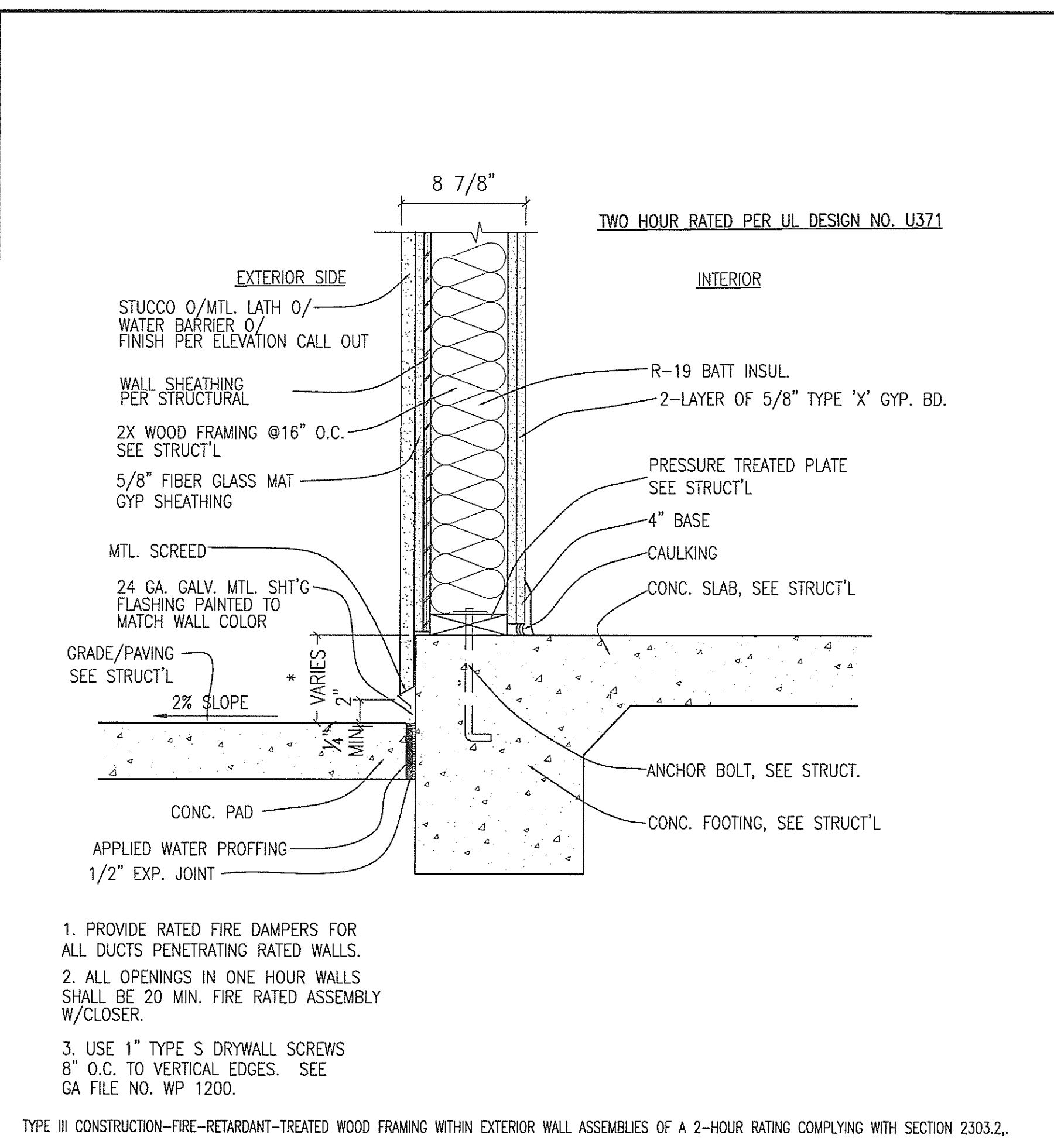
Contact	Company
Devin Ulibarri	Oltmans Construction Co.
Jeff Rich	Oltmans Construction Co.
Johann Wang	Franco Architects Inc.
Karen Montalvo	Franco Architects Inc.
Stephanie Liu	Franco Architects Inc.
Sarineh Minasian	Franco Architects Inc.
Tim Buresh	Magnolia Educational and Research Foundation



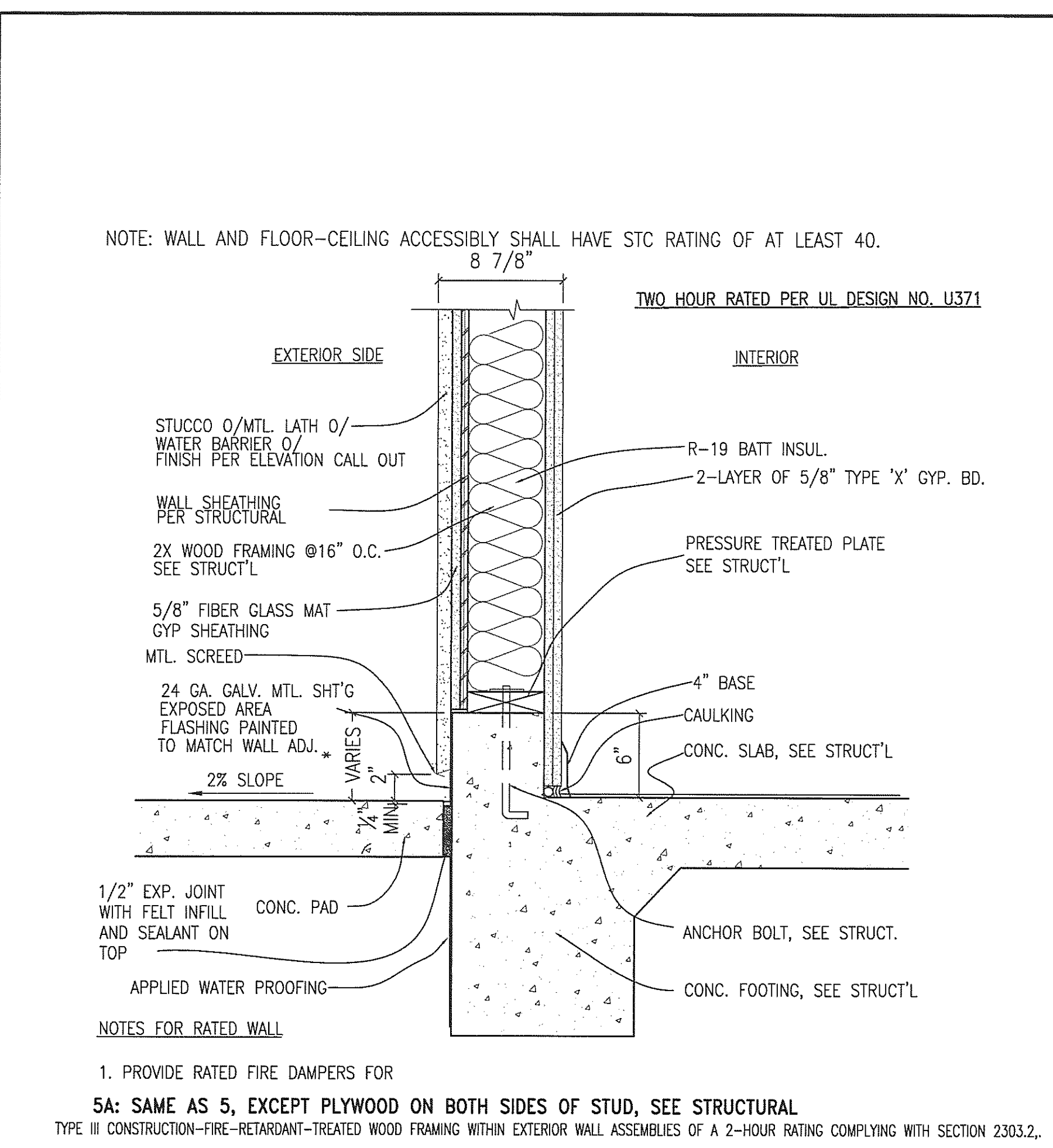
1 2-HR EXTERIOR CONC./CMU WALL W/FURRING STUD  
SCALE: 1 1/2"=1'-0"



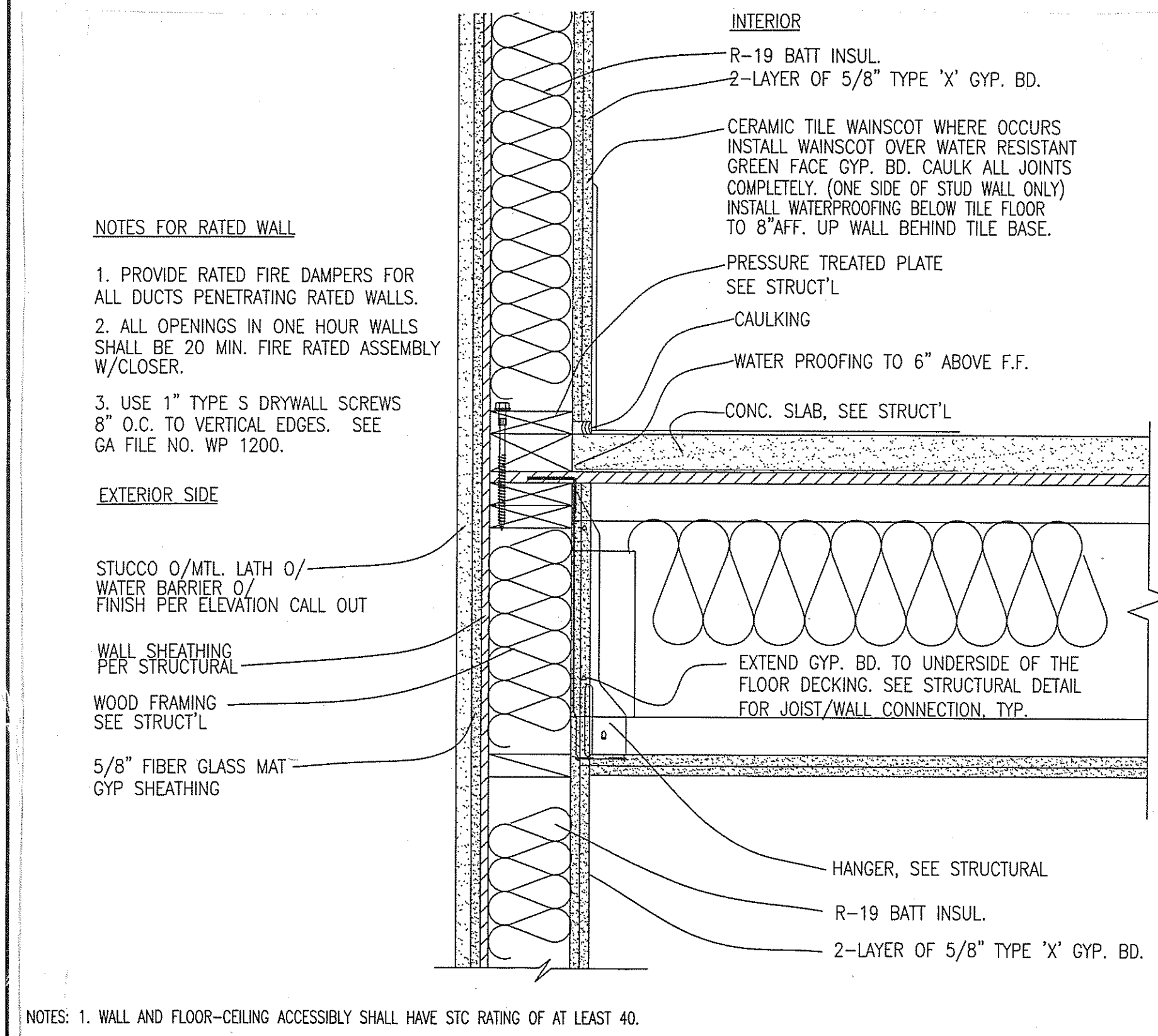
3 2-HR EXTERIOR STUD WALL @ NORTH CANOPY  
SCALE: 1 1/2"=1'-0"



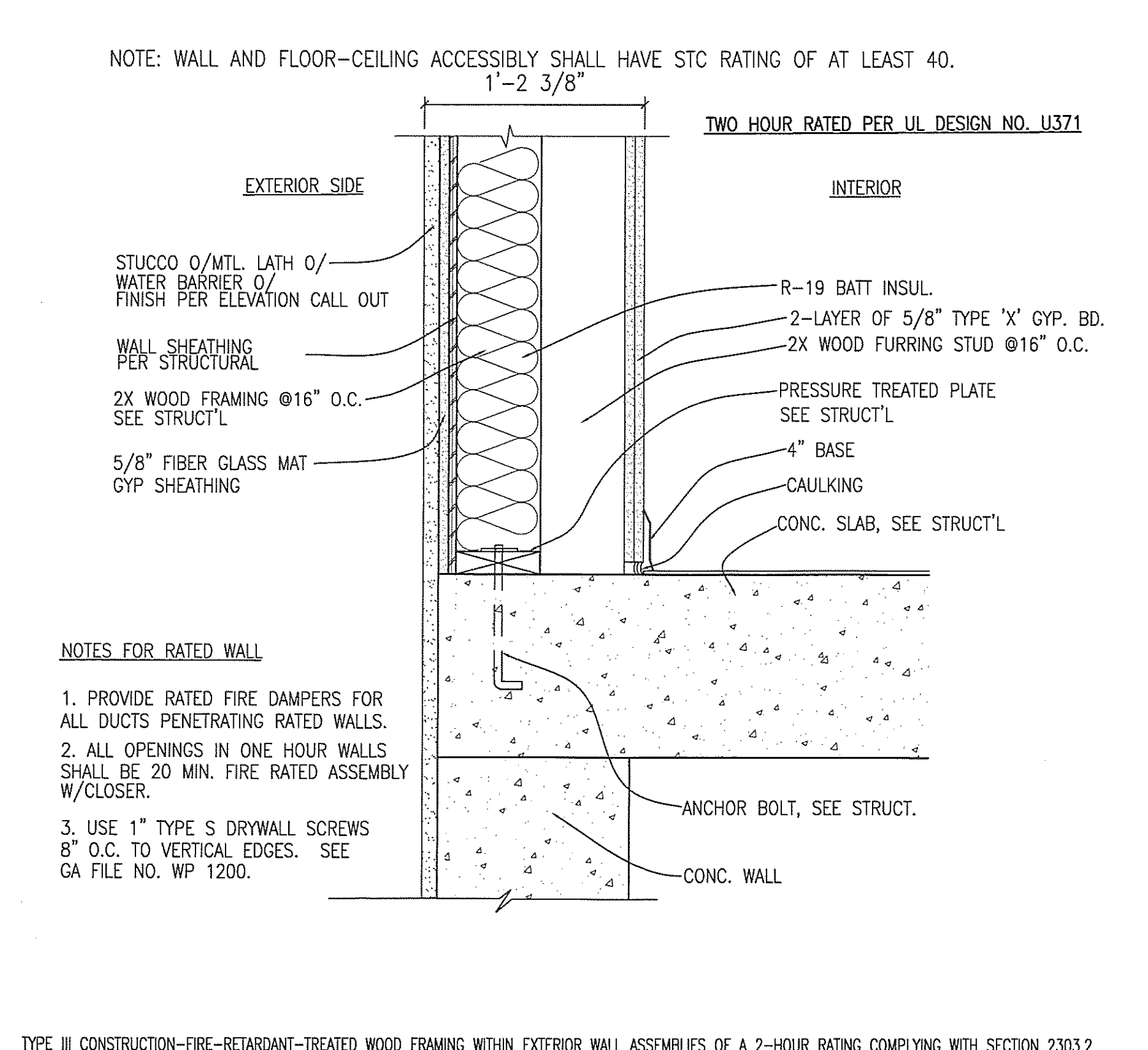
4 2-HR EXTERIOR STUD WALL  
SCALE: 1 1/2"=1'-0"



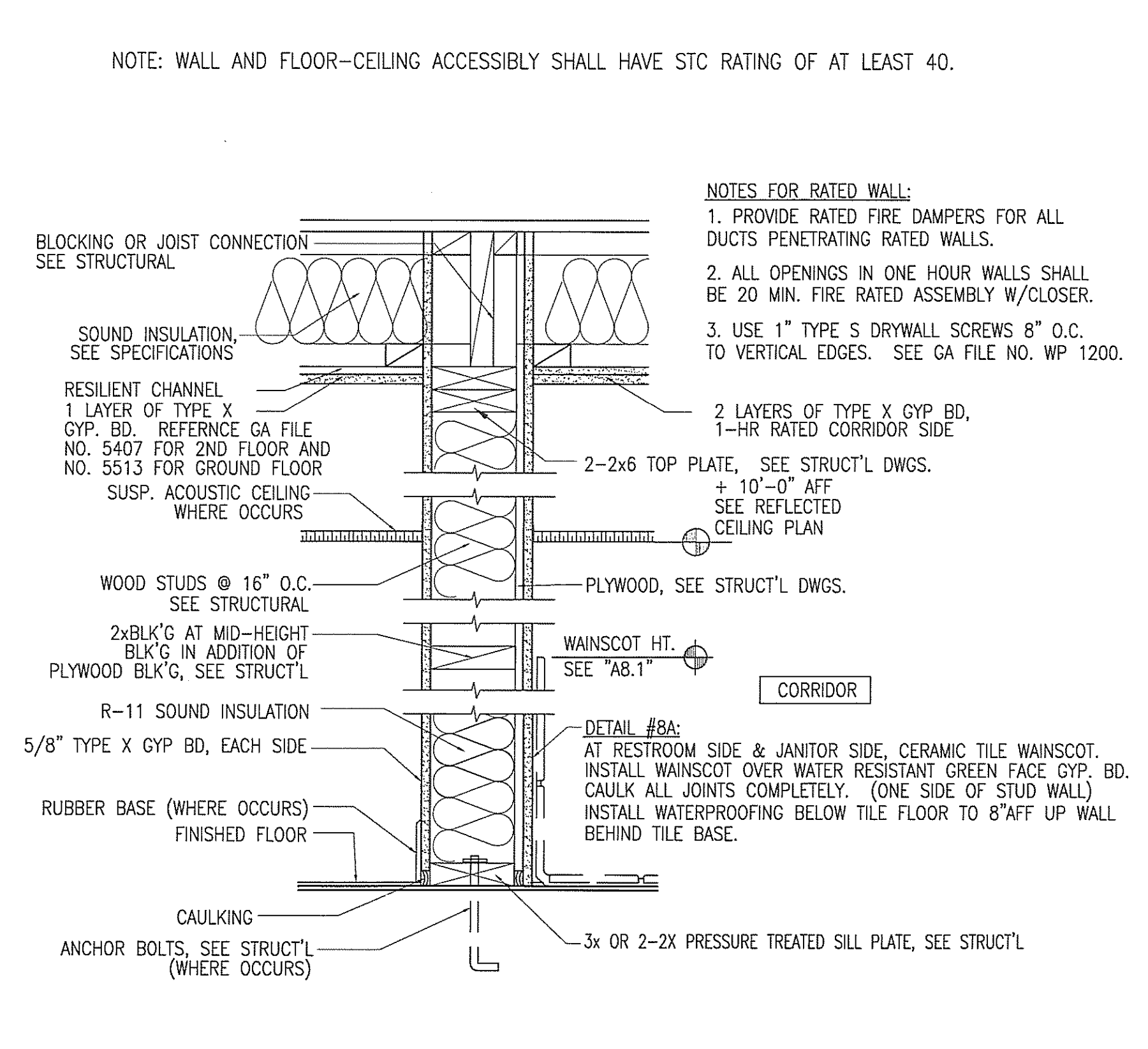
5 2-HR EXTERIOR STUD WALL @ ENTRANCE  
SCALE: 1 1/2"=1'-0"



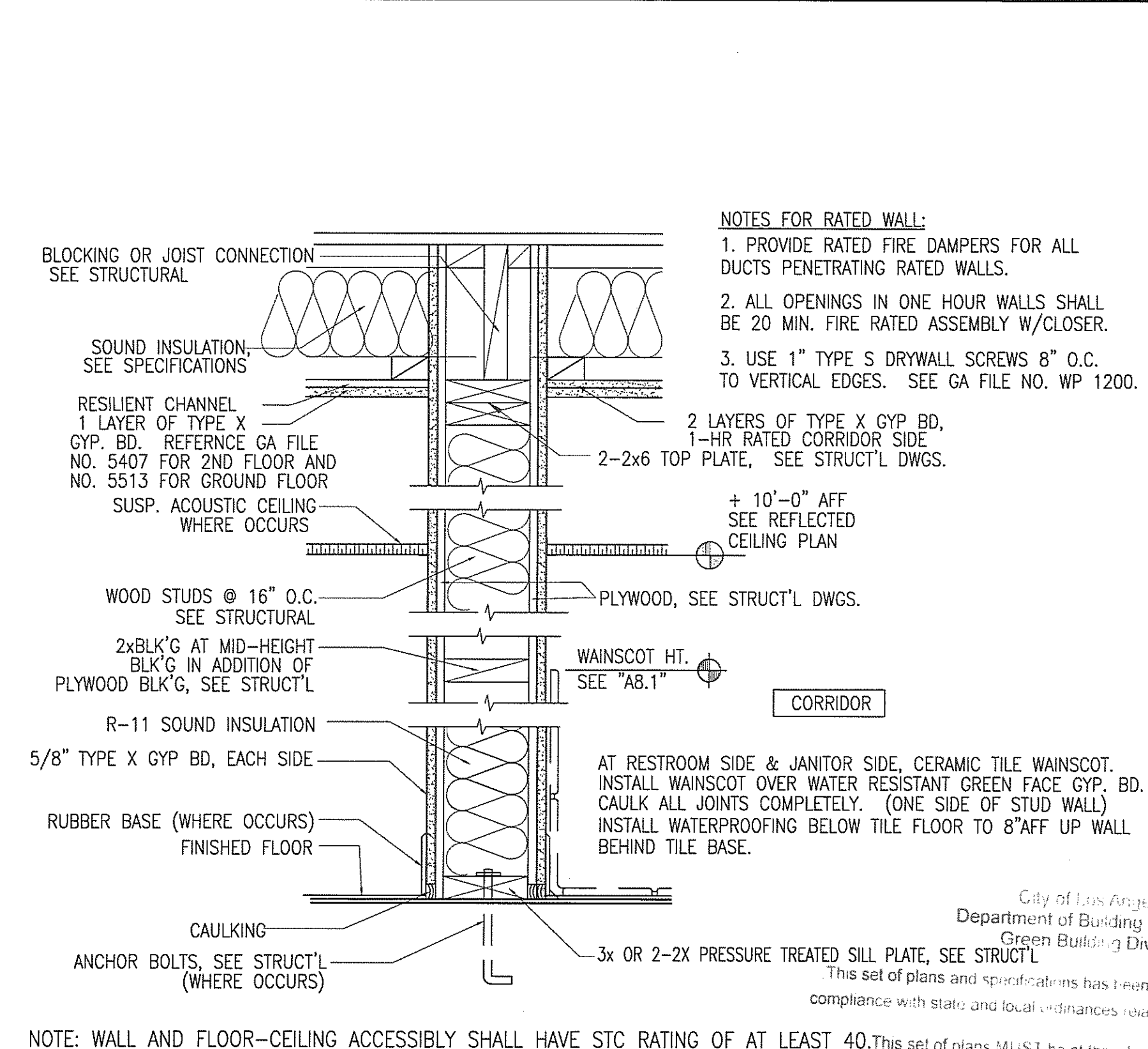
6 2-HR EXTERIOR STUD WALL @ INTERIOR WET AREA  
SCALE: 1 1/2"=1'-0"



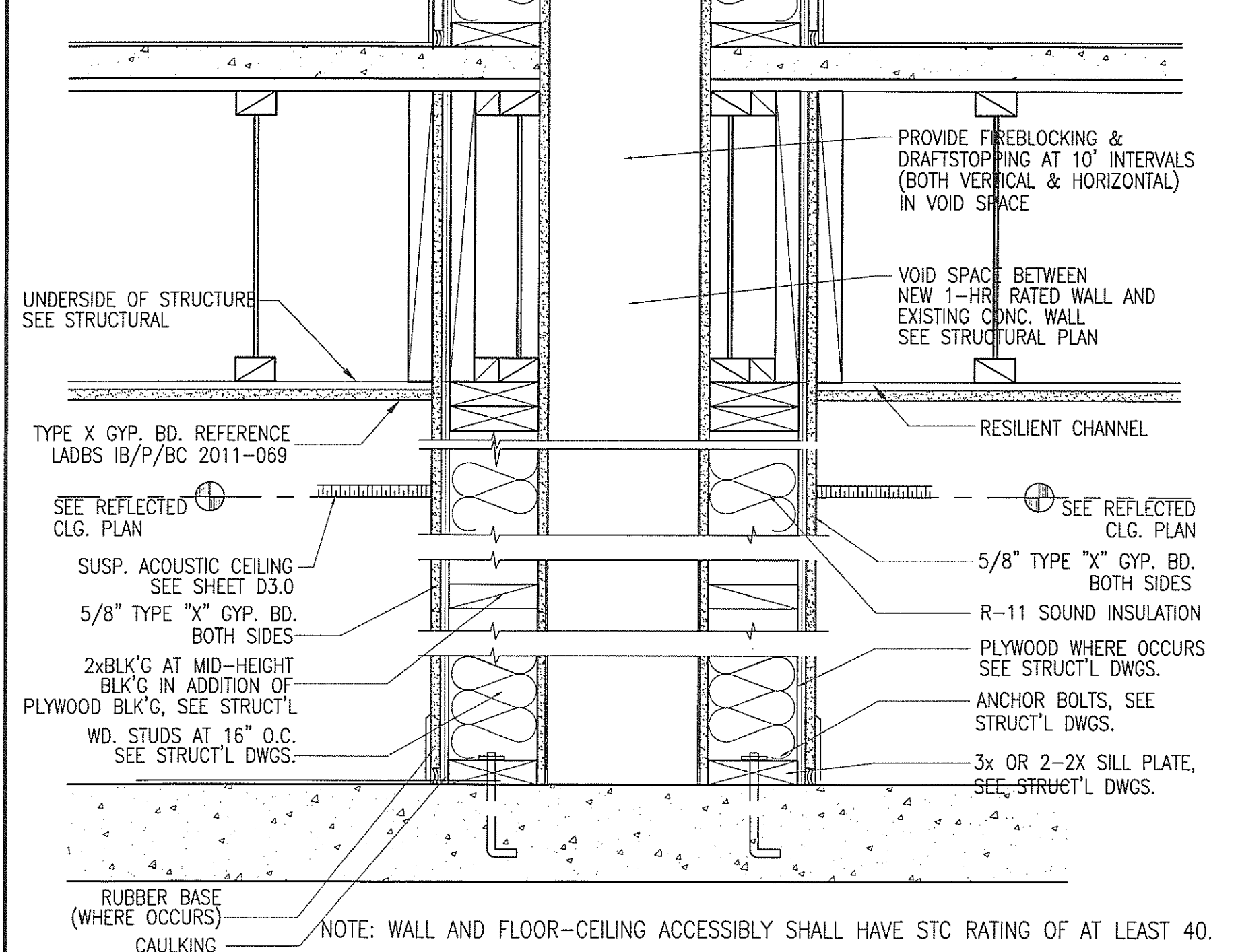
7 2-HR EXTERIOR STUD WALL W/ FURRING STUD  
SCALE: 1 1/2"=1'-0"



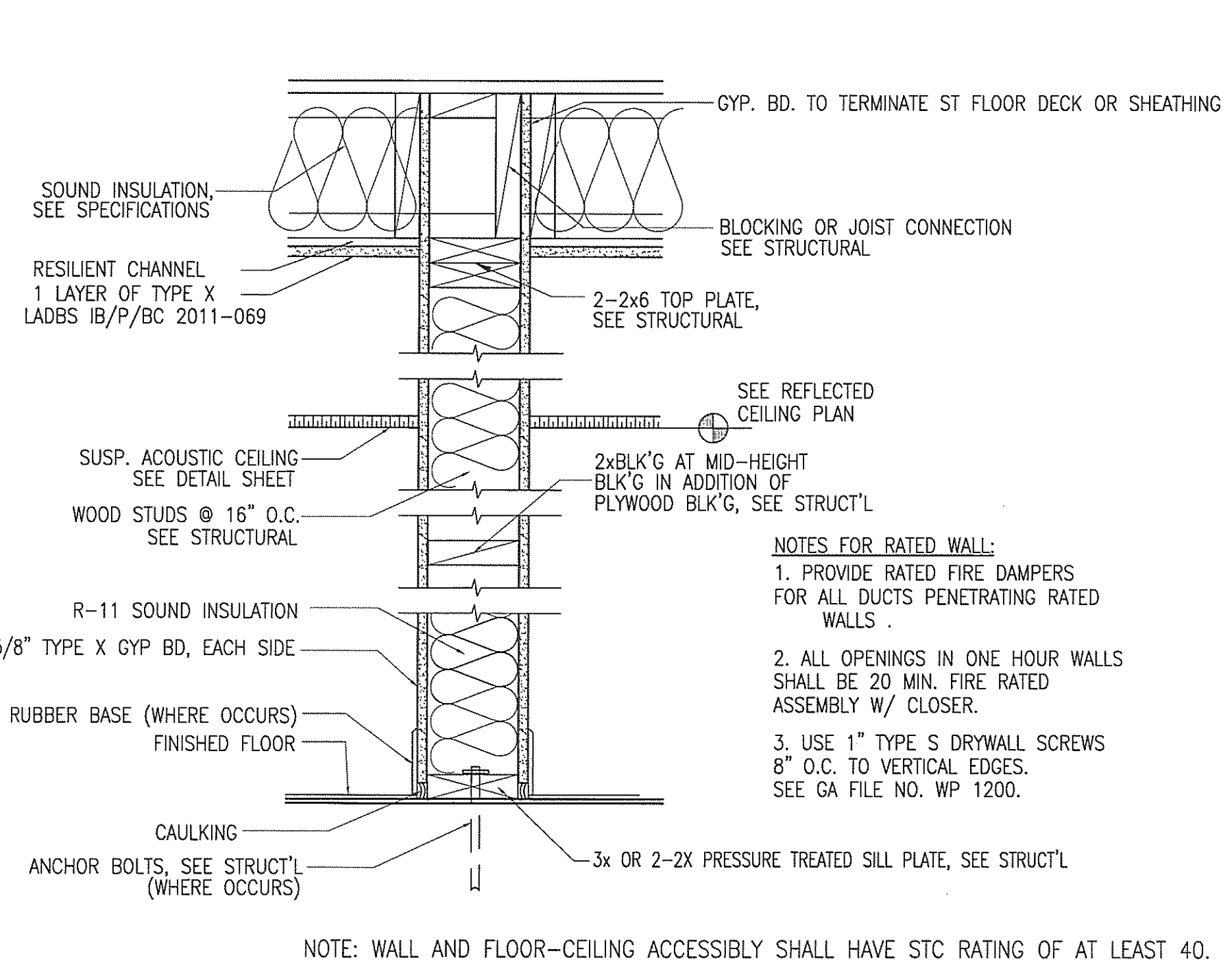
8 1-HR RATED INTERIOR WALL  
SCALE: 1 1/2"=1'-0"



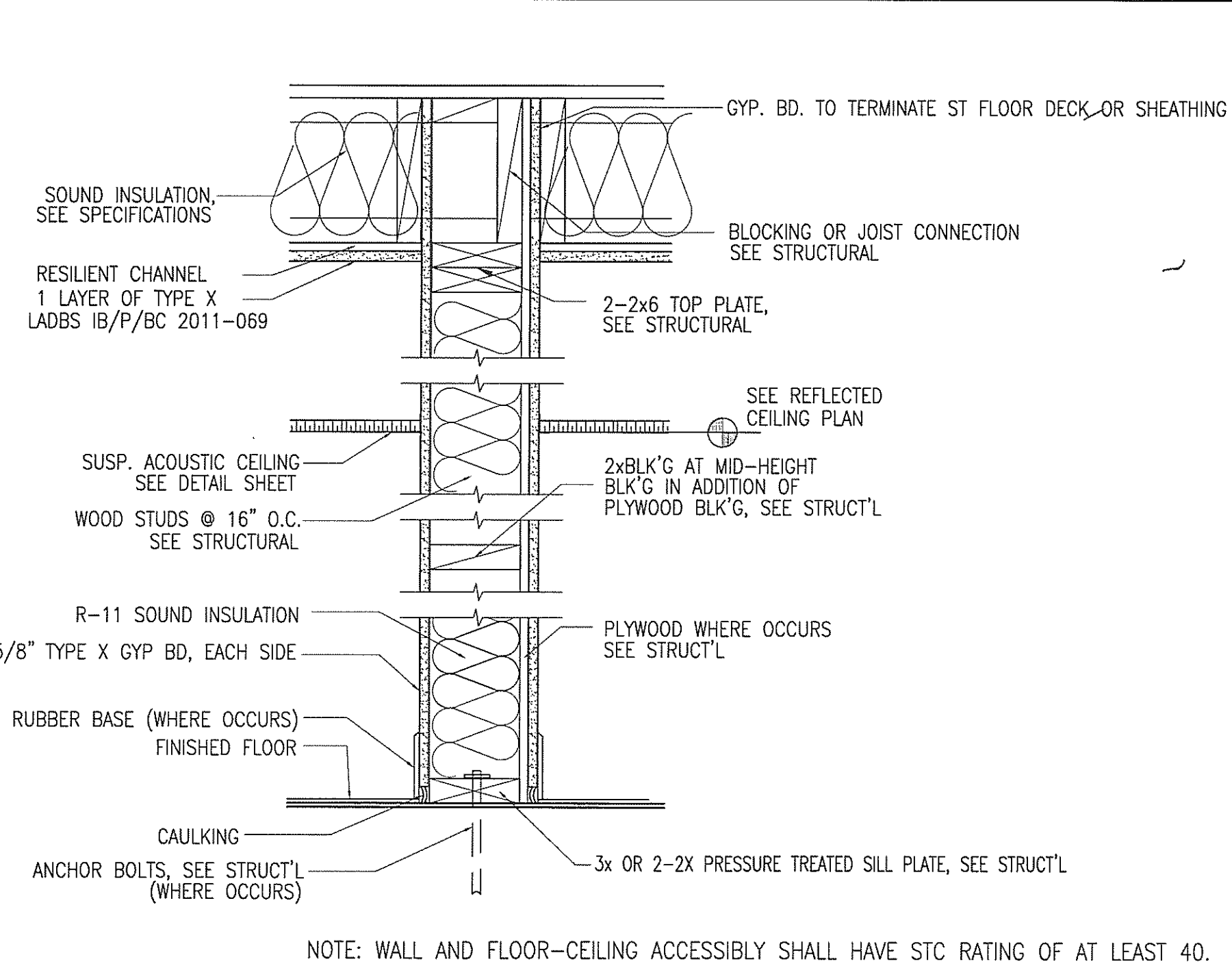
8B ONE HOUR RATED INTERIOR WALL  
SCALE: 1 1/2"=1'-0"



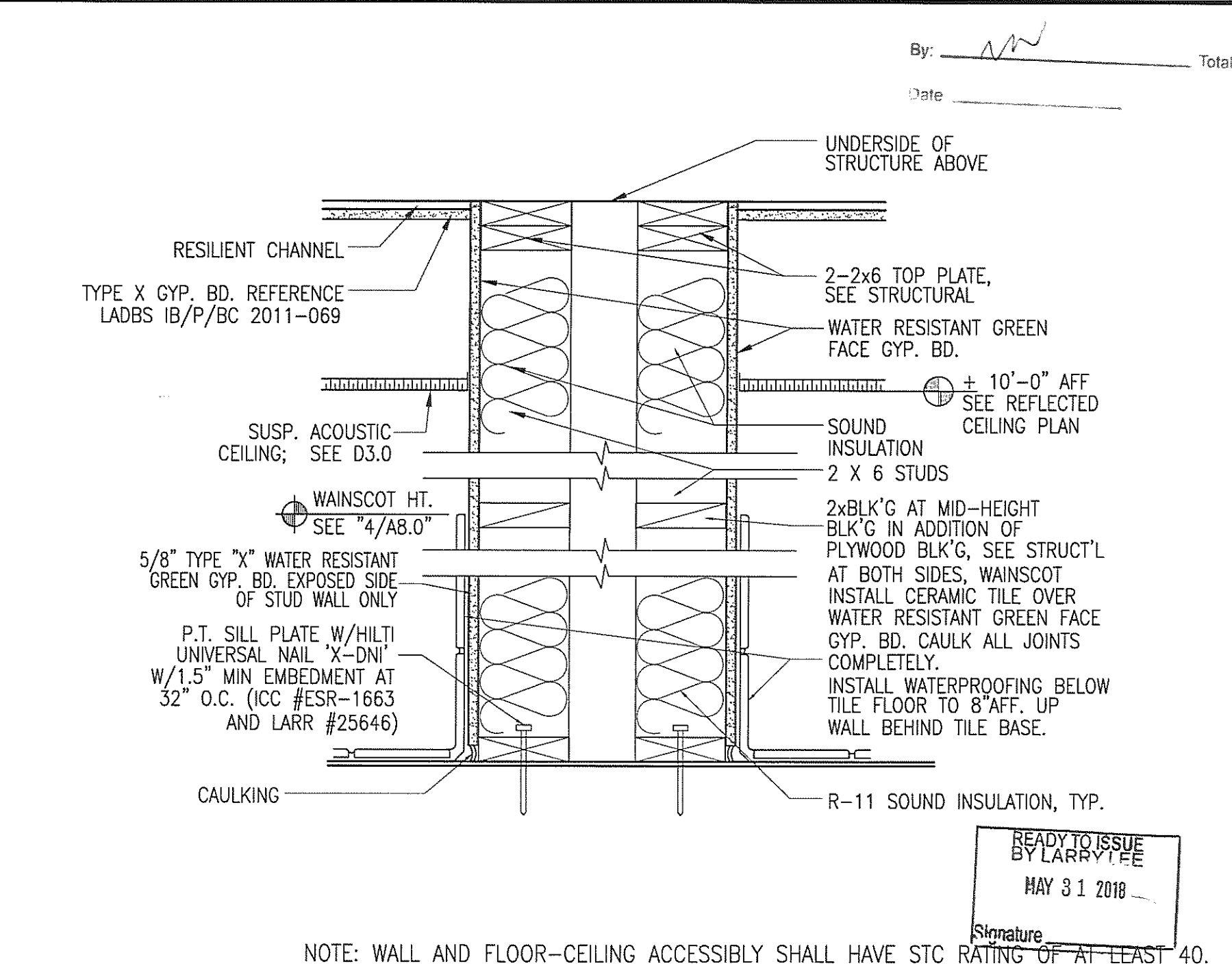
9 ONE HOUR RATED SHAFT WALL  
SCALE: 1 1/2"=1'-0"



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 818 754-2022  
Architecture and Planning

**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
			<b>Subtotal:</b>	<b>\$724.57</b>
			<b>Subtotal:</b>	<b>\$724.57</b>
		Tax	\$204.57	9.50%
		O H & P	\$744.00	10.00%
		Round		\$-0.40
			<b>Total:</b>	<b>\$818.00</b>

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)



## DAILY RECORD OF EXTRA WORK

**Armstrong & Aceves Company, Inc.**  
 3299 Horseless Carriage Lane, Norco, CA 92860  
 Main (951) 284-3456 Fax (888) 482-2124

**Work Performed For:** *magnolia scienc* —  
**Description of Work:** *3 lead install on water proofing sections & put water proofing liquid to seal lead and Roofer step that was added*

**Job #:** *1-477*  
**Name:** *Pablo Nasera*  
**Date:** *4-12-19*  
**Report No.**

LABOR (Employee Name)	Classification	Date	Total HRS	Rates	Extended Amount:
<i>Pablo Nasera</i>	<i>foreman</i>	<i>4-3-19</i>	<i>2 hr</i>	<i>\$65</i>	<i>\$130</i>
<i>Juan Gabriel</i>	<i>Roofer</i>	<i>4-3-19</i>	<i>2 hr</i>	<i>\$65</i>	<i>\$130</i>
<i>Chris Hernandez</i>	<i>Roofer</i>	<i>4-11-19</i>	<i>2 hr</i>	<i>\$65</i>	<i>\$130</i>
<i>Edgar Jimenez</i>	<i>Roofer</i>	<i>4-3-19</i>	<i>2</i>	<i>\$65</i>	<i>\$130</i>

**Total Labor** 0 \$ *\$520 =*

Equipment	Number	Total HRS	Rates	Extended Amount:

**Total Equipment:**

Materials	Unit	Quantity	Rates	Extended Amount:
<i>base</i>	<i>1 Roll</i>	<i>1</i>	<i>31.92</i>	<i>31.92</i>
<i>ply</i>	<i>1 Roll</i>	<i>1</i>	<i>55.25</i>	<i>55.25</i>
<i>cap</i>	<i>1 Roll</i>	<i>1</i>	<i>74.56</i>	<i>74.56</i>
<i>mastic</i>	<i>1 PAIL</i>	<i>1</i>	<i>42.84</i>	<i>42.84</i>
<i>Tax</i>				<i>19.43</i>

<b>Total Materials:</b>	<i>224.00</i>
<b>Sub-Totals</b>	\$ <i>744</i> -
<b>Overhead / Profit @ 10</b>	\$ <i>74</i> -40
<b>Total Cost:</b>	\$ <i>818</i> -00

Comments:

*OK TO proceed PER Jeff Rich.*

Acceptance:

Date:





*"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

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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

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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



**NOTES**

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
<b>Section : Section 001: BR PWR - EXTERIOR LIGHT POLE FIXTURES</b>					
	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
<b>Section : Section 002: CREDIT - CREDIT</b>					
	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

**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.

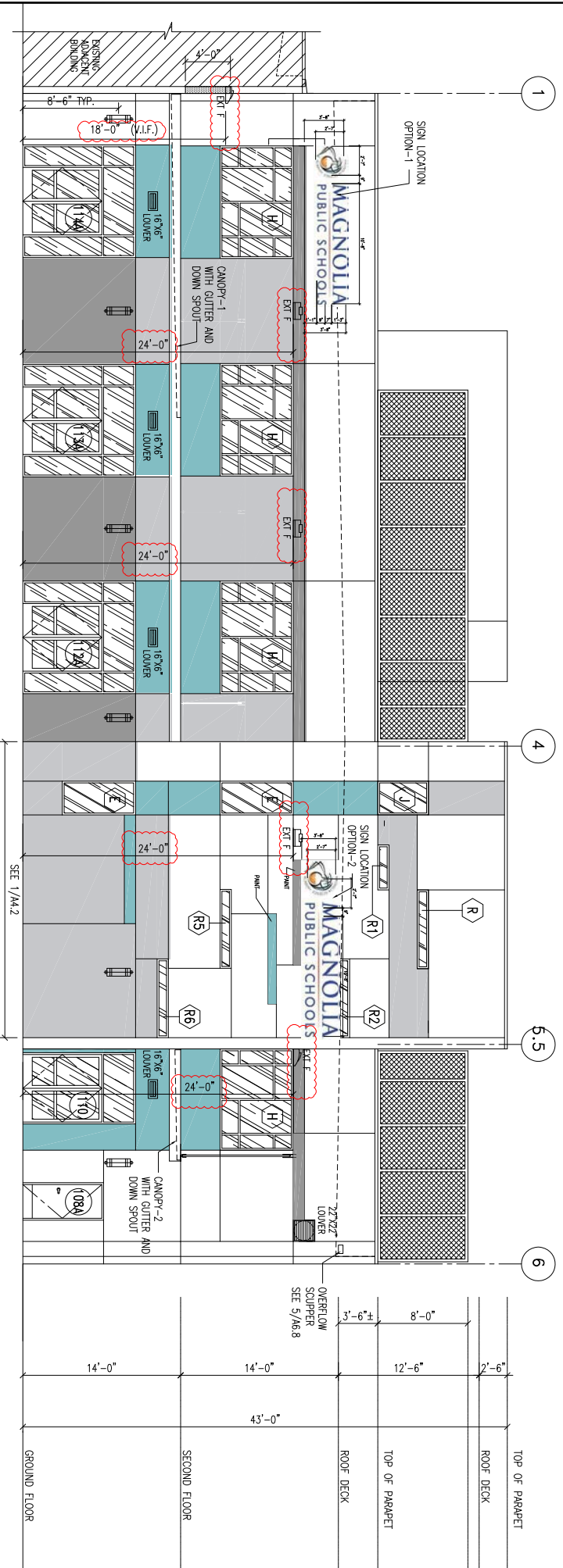
Sarineh Minasian

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)

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 \_\_\_\_\_

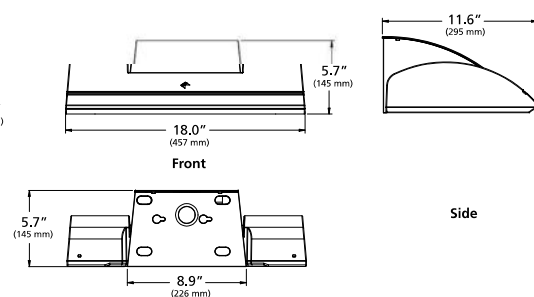
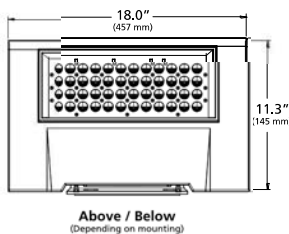
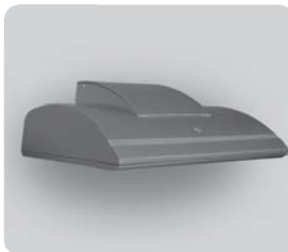
**FEATURES**

- -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**

<b>WDM</b>	<b>D</b>	<b>48L</b>	<b>105K</b>	<b>5K7</b>	<b>4W</b>	<b>UNI</b>	<b>PS</b>
<b>Fixture</b>	<b>Mounting</b>	<b>Source</b>	<b>Wattage</b>	<b>Light Engine</b>	<b>Distribution</b>	<b>Voltage</b>	<b>Fixture Finish</b>
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 <sup>2</sup> Wall Graze SP Spot/Column FTD <sup>2</sup> Forward Throw Diffuse WTD <sup>2</sup> 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
<b>PC</b>							
<b>Control Options</b>	<b>Options</b>	<b>Accessories</b>					
PC Button PhotoCell SCP-8F Programmable Occ. Sensor (<9' height) SCP-20F Programmable Occ. Sensor (<9' - 20' height) SWP <sup>3</sup> SiteSync Wireless Pre-Commission SWPM <sup>3</sup> SiteSync Wireless w/ Occupancy Sensor Pre-Commission NXSPW14F <sup>4</sup> NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14' NXSP14F <sup>4</sup> NX PIR Occupancy Sensor, Dimming Daylight Harvesting, 14' NXWE <sup>4</sup> NX Wireless Enabled	EM <sup>3</sup> 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.

<sup>1</sup> Not available with EM option or with SCP & SWPM sensor options.  
<sup>2</sup> WG, FTD, and WTD come with a diffused lens.  
<sup>3</sup> Universal voltage only (120-277), not available with PC option.  
<sup>4</sup> 120-347V only





**PLUMBING & PIPING INC.**

1620 S. Grove Ave., Ste. B, Ontario, CA 91761

(909) 595-9434

**CHANGE ORDER PROPOSAL**

DATE: <b>1/15/2019</b>	G.C. PROJECT MANAGER / SENT TO: <b>Trevor Lawton</b>
CONTRACTOR: <b>Oltman's Construction</b>	PROJECT: <b>Magnolia Science Academy</b>
ADDRESS: <b>10005 Nission Mill Road</b>	JOB NO: <b>2027</b> COR # <b>6</b>
CITY, STATE, ZIP: <b>Whittier, Ca 90601</b>	REF NO: <b>Delta 3</b> 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	<b>STRAIGHT TIME</b>			
				\$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	<b>PREMIUM TIME</b>			
				\$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	<b>DOUBLE TIME</b>			
				\$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	<b>WAGE BENEFITS</b>			included
SALES TAX				included	TRAVEL	2	\$92.51	\$185.02
TOTAL MATERIAL COSTS				\$1,682.65	<b>TOTAL LABOR COSTS</b>			\$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	
					<b>GRAND TOTAL</b>	<b>\$5,011.37</b>

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

<b><u>Quantity</u></b>	<b><u>Description</u></b>	<b><u>Cost</u></b>	<b><u>Total</u></b>
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

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**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](http://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.

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**From:** Elizabeth Lara [<mailto:ElizabethL@oltmans.com>]  
**Sent:** Tuesday, January 15, 2019 11:53 AM  
**To:** [chris@ceramictileart.us](mailto:chris@ceramictileart.us); Raymond Elias; [steve@gjgentry.com](mailto:steve@gjgentry.com); [cindy@starhardwareinc.com](mailto:cindy@starhardwareinc.com); Steve Brandriff; Carlos Bedoy; [frank.fang@schindler.com](mailto:frank.fang@schindler.com); [will@iealarm.com](mailto:will@iealarm.com); [eric@iealarm.com](mailto:eric@iealarm.com); [tclark@adfiresprinklers.com](mailto:tclark@adfiresprinklers.com); [newimageinterior@mail.com](mailto:newimageinterior@mail.com); [newimageflooring1@contractor.net](mailto:newimageflooring1@contractor.net); Kristopher Johnston; [mark@continentalglazing.com](mailto:mark@continentalglazing.com); [skorica@cbhvac.com](mailto:skorica@cbhvac.com); [kyle@calcominsulation.com](mailto:kyle@calcominsulation.com); [rona@advancedlandscape2000.com](mailto:rona@advancedlandscape2000.com); [RyanH@perliteplastering.com](mailto:RyanH@perliteplastering.com);

[robertgallal@gmail.com](mailto:robertgallal@gmail.com); [rghansen@shcabinets.com](mailto:rghansen@shcabinets.com); [eesquivel@hufcor.com](mailto:eesquivel@hufcor.com); [jaguilar@lawrencedoors.com](mailto:jaguilar@lawrencedoors.com); [chris@jfpco.com](mailto:chris@jfpco.com); [lauren@beesonpervious.com](mailto:lauren@beesonpervious.com); [tim@pvcplumbing.com](mailto:tim@pvcplumbing.com); [tom@pvcplumbing.com](mailto:tom@pvcplumbing.com); [Kris@pvcplumbing.com](mailto:Kris@pvcplumbing.com); [mlamarche@johaseerebar.com](mailto:mlamarche@johaseerebar.com); [T.Galan@AARoofingCorp.com](mailto:T.Galan@AARoofingCorp.com); [J.Arzaga@AARoofingCorp.com](mailto:J.Arzaga@AARoofingCorp.com); [Reginald.Huner@Intertek.com](mailto:Reginald.Huner@Intertek.com); Kristopher Johnston; [T.Galan@AARoofingCorp.com](mailto:T.Galan@AARoofingCorp.com); [stephen@sjgrigolla.com](mailto:stephen@sjgrigolla.com); [steve@gjgentry.com](mailto:steve@gjgentry.com); [cathy.garcia@sgcal.com](mailto:cathy.garcia@sgcal.com); [mike.butler@sgcal.com](mailto:mike.butler@sgcal.com); [david.howell@smokeguard.com](mailto:david.howell@smokeguard.com); [Jrmartinez@kdrsteel.com](mailto:Jrmartinez@kdrsteel.com); [rfrei@peica.com](mailto:rfrei@peica.com); [gravelo@powerplus.com](mailto:gravelo@powerplus.com); [estimating@thompart.com](mailto:estimating@thompart.com); [james@systemswp.com](mailto: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](mailto:TrevorL@oltmans.com)>; Elizabeth Lara <[ElizabethL@oltmans.com](mailto:ElizabethL@oltmans.com)>; Jeff Rich <[JeffR@oltmans.com](mailto: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.

<b>TOTAL COST INCLUDING TAX</b>	<b>\$321.00</b>
<b>LABOR</b>	<b>INCLUDED</b>
<b>TOTAL CHANGE ORDER REQUEST</b>	<b>\$321.00</b>

**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.**



# 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

- |  |  |
|--|--|
| <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™ |

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: <input type="checkbox"/> Black <input type="checkbox"/> 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 <input type="checkbox"/> Mill Alum <input type="checkbox"/> Red <input type="checkbox"/> 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: <input type="checkbox"/> Red <input type="checkbox"/> Black <input type="checkbox"/> 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 <input type="checkbox"/> AMS Beige <input type="checkbox"/> SC Flat Beige                                    | <input type="checkbox"/> White Horizontal FE Letters LDCHWFE | <input type="checkbox"/> White Horizontal Decal LDHWFE |   |   |
| <input type="checkbox"/> Gray Primer <input type="checkbox"/> Bronze <input type="checkbox"/> Silver                                       |  |  |   |   |

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.

**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.

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**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

- |  |  |
|--|--|
| <input checked="" 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™ |

BIM Objects for REVIT® Platform

**STEP 3: SELECT DOOR GLAZING**

(Check one box below)

- |   |  |   |
|---|--|---|
| <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: <input type="checkbox"/> Black <input type="checkbox"/> 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 <input type="checkbox"/> Mill Alum <input type="checkbox"/> Red <input type="checkbox"/> 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: <input type="checkbox"/> Red <input type="checkbox"/> Black <input type="checkbox"/> 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 <input type="checkbox"/> AMS Beige <input type="checkbox"/> SC Flat Beige                                    | <input type="checkbox"/> White Horizontal FE Letters LDCHWFE        | <input type="checkbox"/> White Horizontal Decal LDHWFE |   |   |
| <input type="checkbox"/> Gray Primer <input type="checkbox"/> Bronze <input type="checkbox"/> Silver                                       |   |  |   |   |

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



**STAR HARDWARE, INC.**

201 N. PONDEROSA AVE.  
 ONTARIO, CA 91761  
 (909) 481-7331 \* (909) 481-7241 Fax

To: <u>Oltmans</u> <u>10005 Mission Mill Rd</u> <u>Whittier, CA 90601</u>	Date: <u>January 29, 2019</u>
Phone: <u>562-948-4242</u>	Project: <u>Magnolia Science Academy</u>
Fax: <u>562-699-3128</u>	STAR Job No.: <u>5556</u>
ATTN: <u>Trevor Lawton</u>	COR No.: <u>02</u>
	Subject: <u>RFI #147</u>

**DESCRIPTION:**  
*Credit for overhead stops at openings # 124 and 221 per RFI # 147*

LABOR:	Hours		\$/Hour	UM	=	Total
Installation	0	X	\$ 60.00			\$ -
<b>LABOR TOTAL</b>						<b>\$ -</b>

MATERIAL: Deleted	Units		\$/Unit	UM	=	Total
<b>Openings 124 &amp; 221</b>						
Concealed Overhead Stop, 4010, 626, ABH	2	X	\$ (52.17)			\$ (104.34)

MATERIAL: Added	Units		\$/Unit	UM	=	Total
<b>MATERIAL TOTAL</b>						<b>\$ (104.34)</b>

Sub Total \$ (104.34)

**TOTAL      - \$104.34**

**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 #02041-03 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
<del>American Bicycle Security Co.</del>	<del>Bicycle Racks</del>	<del>4,382.00</del>
S & H CABINETS & MFG.	Finish Carpentry: COR 8339-01	1,840.00
	<b>SUBTOTAL:</b>	<b>6,222.00</b>
	Bond	51.00
	Gross Tax	9.00
	GL	61.00
	SDI	78.00
	Fee	319.00
	<b>SUBTOTAL:</b>	<b>518.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>6,740.00</b>

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	<b>Model #301</b> 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.**



**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	<b>SENT VIA:</b>					
<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: 2014.01  
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: 3/12/14  
All Pages Reviewed



Oltmans Construction

Magnolia Science Academy



# Bike-Shell™ Model 301

NEW design, one piece FRP Composite bike locker  
NO ASSEMBLY required



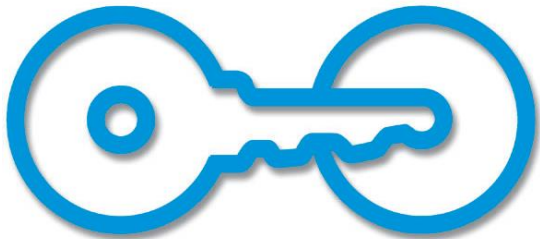
Lockers are pictured with Part No. 074 – Perforated Steel Safety View Windows

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](http://www.ameribike.com)

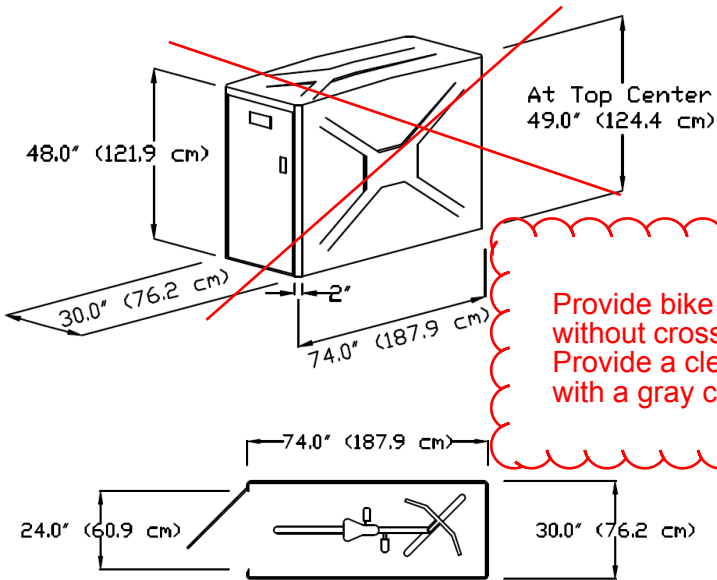
Email: [turtle@ameribike.com](mailto:turtle@ameribike.com)



# 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



1 door/1 bike

**Included optional hardware: PN#030 - Louvered Vents - Stainless Steel Construction. 1 per door.**



T-Handle

Padlock/U-Lock Handle

**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.

**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.

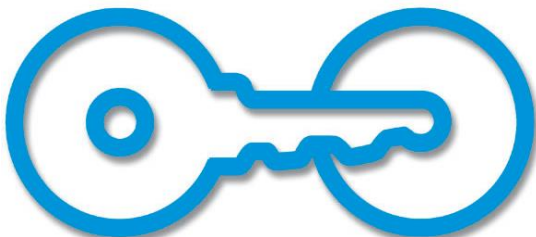
●Heavy duty stainless steel Padlock/U-Lock handle will accommodate high security Padlocks and U-Locks. For U-Locks from 1/2" to 3/4" Diameter. Padlocks and U-Locks not included.

**Colors**

2 Standard Color Options (No charge)



Please call for custom color, or color match information



**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](http://www.ameribike.com)

Email: [turtle@ameribike.com](mailto: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

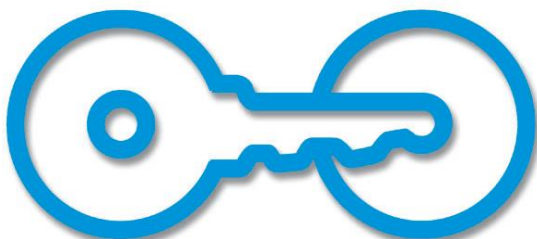
- 3/8" electric drill (anchoring & installing diagonal divider wall)
- 3/8" electric rotary hammer drill (anchoring)
- 1/4" drill bit (anchoring & installing diagonal divider wall)
- 1/4" hammer drill bit (anchoring)
- hammer (anchoring)
- Tape measure - minimum 10' (anchoring & installing diagonal divider 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: 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: 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](http://www.ameribike.com)

Email: [turtle@ameribike.com](mailto:turtle@ameribike.com)

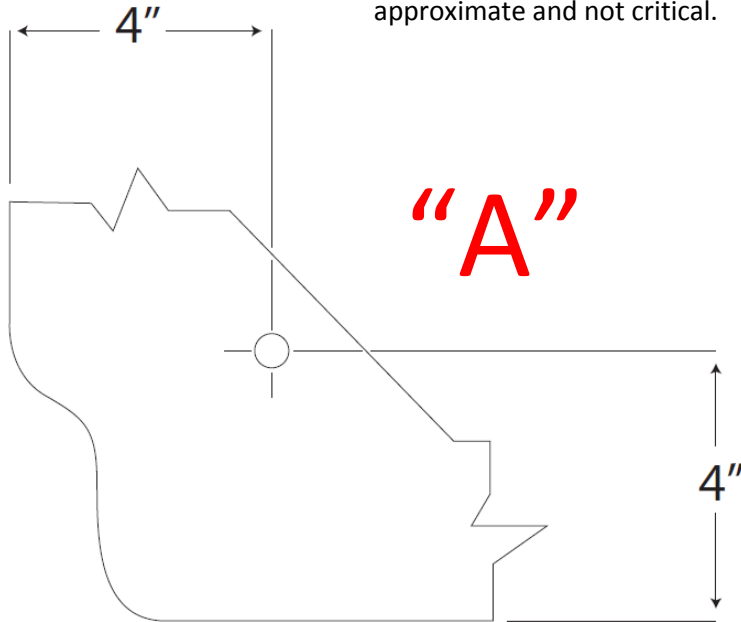
# Bike-Shell™ Model 301



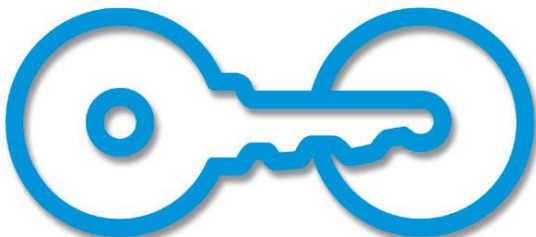
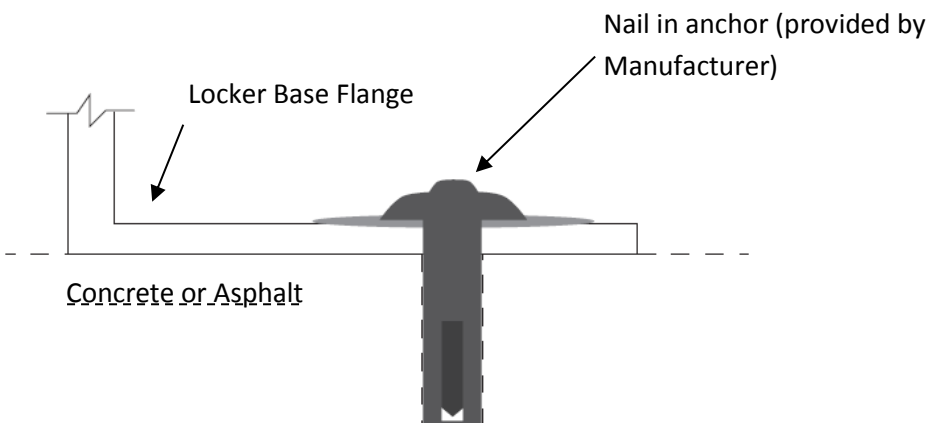
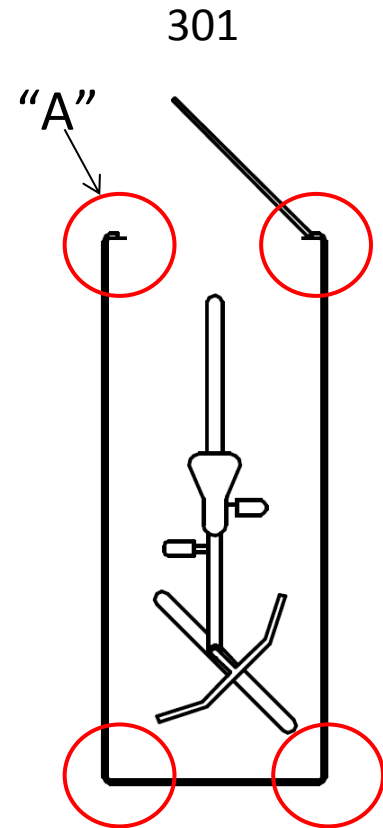
## Anchoring Information

Oltmans Construction Company  
Magnolia Science Academy  
SUBMITTAL NO: 2014-01  
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

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[www.ameribike.com](http://www.ameribike.com)

Email: [turtle@ameribike.com](mailto: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	<b>DBL1 Bike Locker - Metal (assembly required); includes all installation hardware. Includes Leveling feet, floor panel &amp; ventilating window on doors.</b> - 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	<b>LA Hoop - Inverted "U" style bicycle rack specified by Los Angeles, CA. "U" style lock compatible. Includes all hardware to build and install.</b> - 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...	<b>Discount - Bicycle Locker</b>	Retail	-390.00	-390.00
1	<b>FREIGHT</b>	<b>Freight - Customer is responsible for unloading truck unless otherwise noted. NO LIFT GATE IS INCLUDED. If lift gate is needed, additional fees may apply.</b>	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:	
<b>Contract Amount:</b>	\$23,690.00
<i>Model 301 &amp; LA Hoop</i>	
<b>Revised Cost:</b>	\$28,072.00
<i>Revised Model - DBL1</i>	
<i>Price Increase on LA Hoop</i>	
<i>Price increase on Freight</i>	
<b>Added Cost:</b>	<b>\$ 4,382.00</b>



10860 Mulberry 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**

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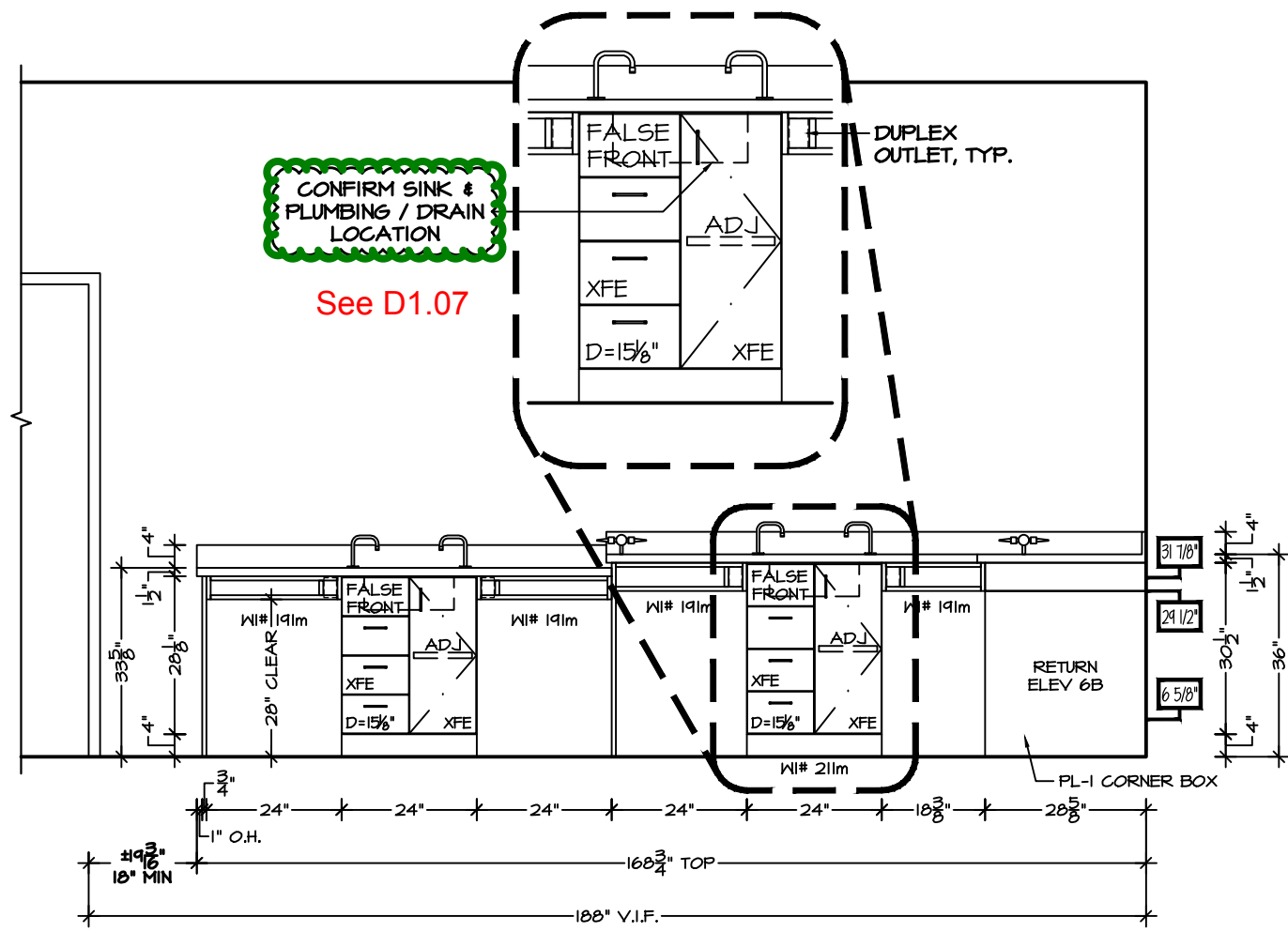
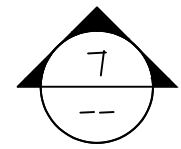
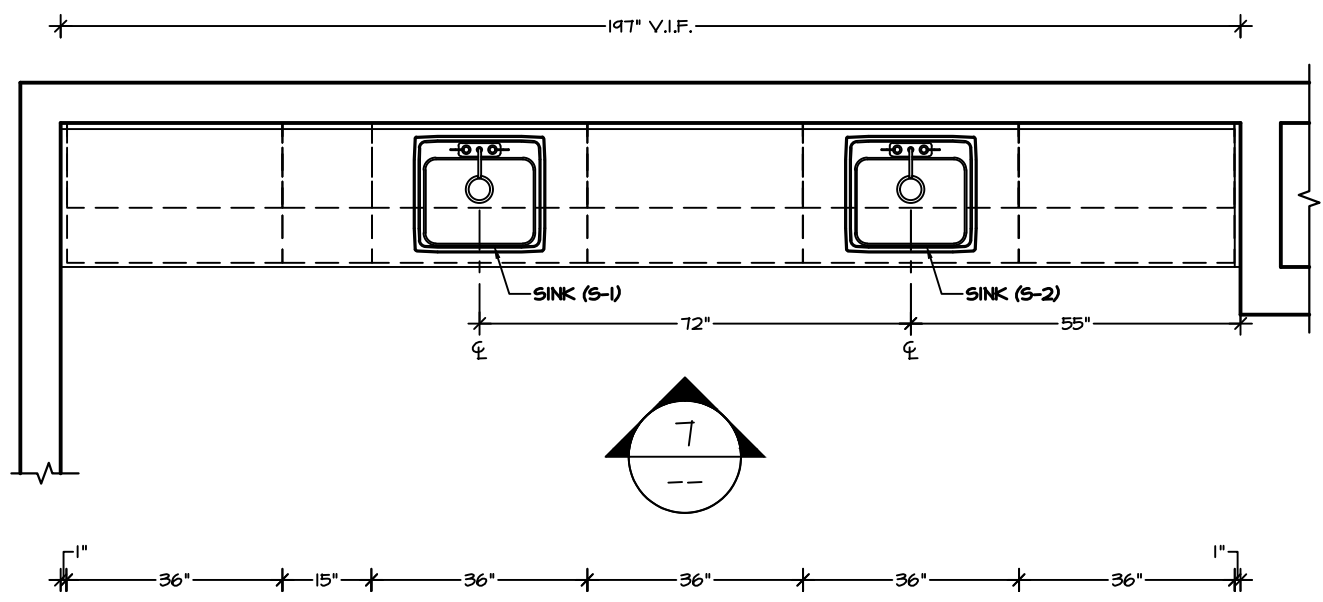
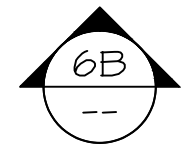
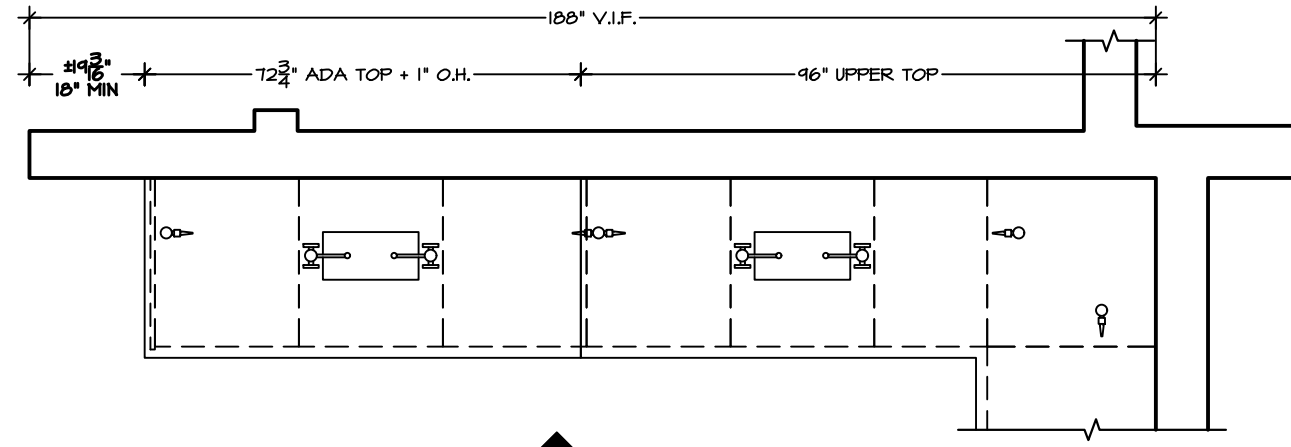
Acceptance of this bid includes by reference, acceptance of our "Standard Terms and Conditions" which are an integral part of this bid and include but are not limited to the following: Payment net 30 days. Price valid for 60 days. Excludes "pay when and if paid" or similar contract clauses. Excludes 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

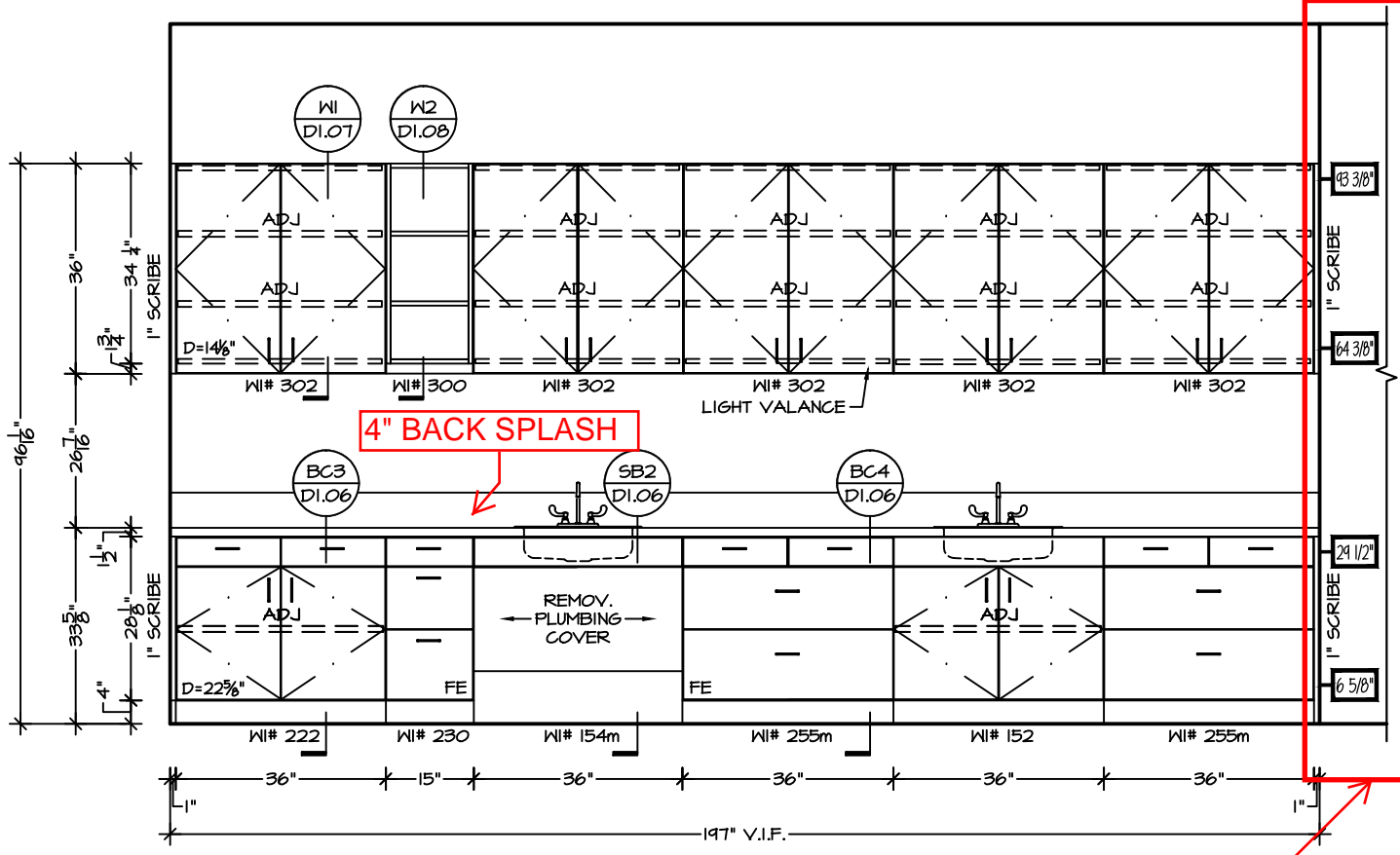
ACCEPTED BY \_\_\_\_\_



PART OF 064000-02 REVIEWED SUBMITTAL



CONFIRM SINK & PLUMBING / DRAIN LOCATION  
See D1.07



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

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

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

A/E Please verify all clouded items

PROJECT NAME  
Magnolia  
Science Academy



10860 Mulberry Ave.  
Fontana, CA 92337  
909.357.0551  
Est. 1954  
www.shcabinets.com



JOB #  
8239AD

SHEET  
1.07

**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
	<b>SUBTOTAL:</b>	<b>10,471.00</b>
	Bond	86.00
	Gross Tax	14.00
	GL	102.00
	SDI	131.00
	Fee	536.00
	<b>SUBTOTAL:</b>	<b>869.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>11,340.00</b>

**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: <b>4/22/2019</b>	G.C. PROJECT MANAGER / SENT TO: <b>Trevor Lawton</b>
CONTRACTOR: <b>Oltman's Construction</b>	PROJECT: <b>Magnolia Science Academy</b>
ADDRESS: <b>10005 Nission Mill Road</b>	JOB NO: <b>2027</b> COR # <b>7</b>
CITY, STATE, ZIP: <b>Whittier, Ca 90601</b>	REF NO: <b>RFI: 191</b>

**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	<b>STRAIGHT TIME</b>			
					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
					<b>PREMIUM TIME</b>			
					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
					<b>DOUBLE TIME</b>			
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
<b>TOTAL</b>				\$5,407.66	<b>WAGE BENEFITS</b>			included
<b>SALES TAX</b>				included	TRAVEL	2.25	\$92.51	\$208.15
<b>TOTAL MATERIAL COSTS</b>				\$5,407.66	<b>TOTAL LABOR COSTS</b>			\$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)						
<b>TOTAL MISC. COSTS</b>				\$742.50	<b>BOND</b>	
					<b>GRAND TOTAL</b>	
					<b>\$9,697.08</b>	

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;

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**SUBJECT:** Emergency Gas Shut Off Valve  
**PROJECT:** Magnolia Science Academy  
**TO:** Etmny Cornejo  
Franco Architects Inc.  
**FROM:** Elizabeth Lara  
Oltmans Construction Co.

**DATE:** 04/08/2019  
**PROJECT NO.:** 18049  
**REQUIRED:** 04/11/2019  
**COST IMPACT:** POTENTIALLY  
**DAYS IMPACT:** POTENTIALLY

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**Co-Author:** P.V. & C. PLUMBING      **Contact:** Kris Gerke      **Co-Author RFI Number:** PV&C 2027-01

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**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

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**Distribution:**



**PLUMBING & PIPING INC.**

1620 S. Grove Ave Unit B, Ontario, Ca 91761

(909)595-9434 Fax (909)595-8754

**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.

A handwritten signature in black ink that reads 'Jeremy Lyka'.

4/3/2019

Signature

Date



**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:**

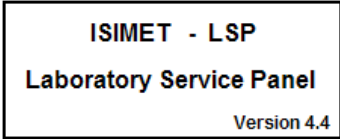
**NOTES: Setting Circuit Function = 2 & Circuit Timing = 3 results in no timing operation.**

**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

**MODEL NUMBER DESCRIPTION**



LSP 1 2 1 1 - 2 -

**ENCLOSURE SERIES**

- 1 - White Powder Coat Door
- 2 - Brushed Stainless Steel
- 4 - Gray Powder Coat W/ Stainless Door & Trim

**ENCLOSURE MOUNTING**

- 1 - Surface Mount
- 2 - Flush Mount

**ENCLOSURE STYLE**

- 1 - Fuel Gas Systems
- 2 - Domestic Water
- 3 - Compressed Air
- 4 - Other (Specify)
- 5 - 4 pole contactor
- 6 - 8 pole contactor
- 7 - 30 amp contacts
- 8 - 40 amp contacts
- 9 - 50 amp contacts

**OPTIONAL FEATURES**

- F - In-Line Strainer
- U - Added Union
- LS - RF Module
- L - Door Louver
- EP - Explosion Proof Coil
- AT - Air Tight Bulkhead Fittings
- ATV - Air Tight Vented Bulkhead (Natural Gas & LP Applications Only)
- T - Panel Mount Tee-Handle Valve Operator
- D - 12 VDC added Output
- B - Battery Backup

**SOLENOID VALVE SIZE**

- 1 - 1/2" IPS
- 2 - 3/4" IPS
- 3 - 1" IPS
- X - Indicates Electrical Enclosure W/ Contacts

**OUTPUT CIRCUIT**

- 1 - Single Output Circuit (Standard)
- 2 - Dual Output Circuits \*

All output circuits are 24-VAC

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

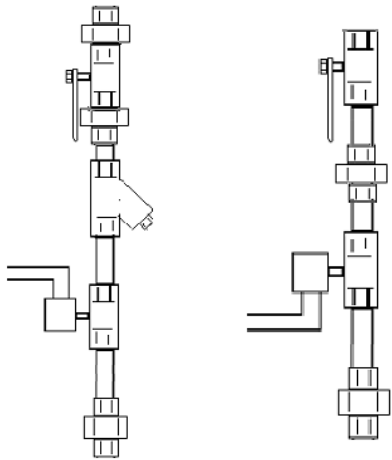
Project Owner: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Address: \_\_\_\_\_

Room # for Installation: \_\_\_\_\_

(or # of Units if Room # unknown) \_\_\_\_\_



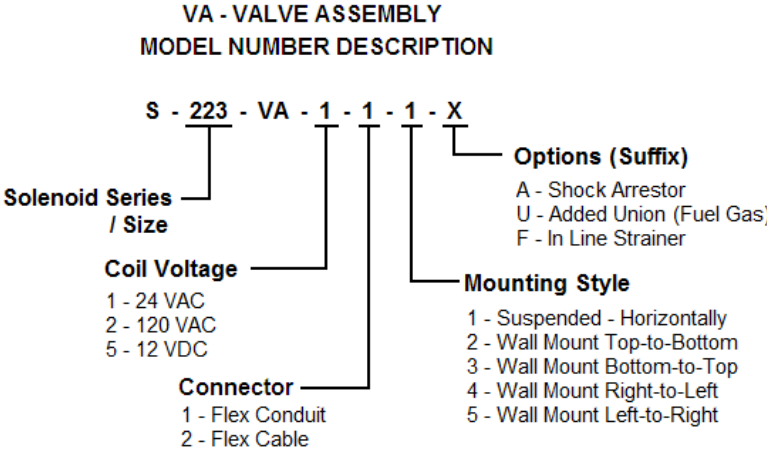
ISIMET Job #: \_\_\_\_\_

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**

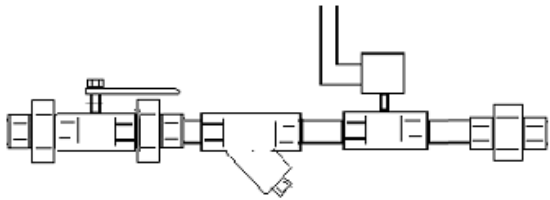
**Coil Voltage:**  
 24 VAC                      120 VAC "XXXXXXXXXXXX"34"XFE  
 Flexible Conduit                      Flexible Cable

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.

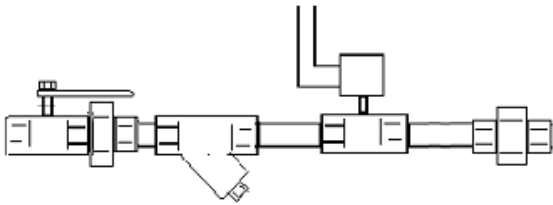


**The operation of emergency devices including emergency showers and eyewashes should not be integrated with this system for either activation or deactivation.**

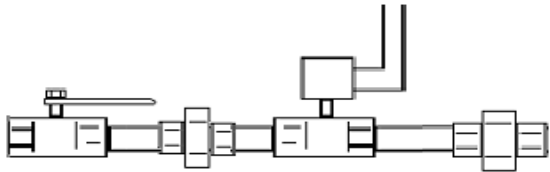
# Valve Assembly Configurations



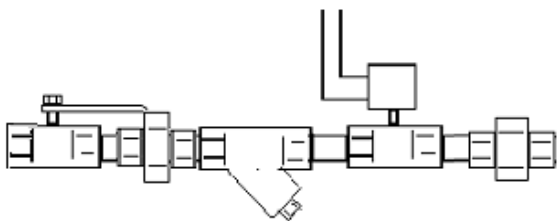
Assembly # \_\_\_\_\_ Model \_\_\_\_\_  
 Quantity \_\_\_\_\_ Sizes \_\_\_\_\_  
 Mounting \_\_\_\_\_



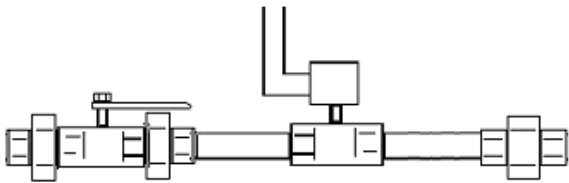
Assembly # \_\_\_\_\_ Model \_\_\_\_\_  
 Quantity \_\_\_\_\_ Sizes \_\_\_\_\_  
 Mounting \_\_\_\_\_



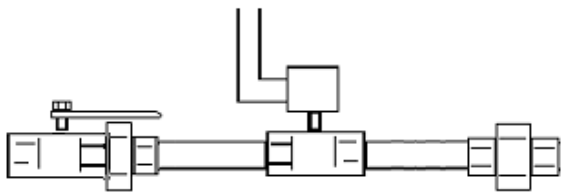
Assembly # \_\_\_\_\_ Model \_\_\_\_\_  
 Quantity \_\_\_\_\_ Sizes \_\_\_\_\_  
 Mounting \_\_\_\_\_



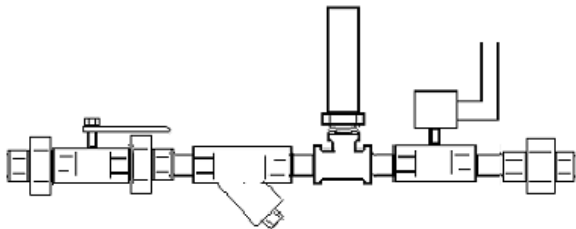
Assembly # \_\_\_\_\_ Model \_\_\_\_\_  
 Quantity \_\_\_\_\_ Sizes \_\_\_\_\_  
 Mounting \_\_\_\_\_



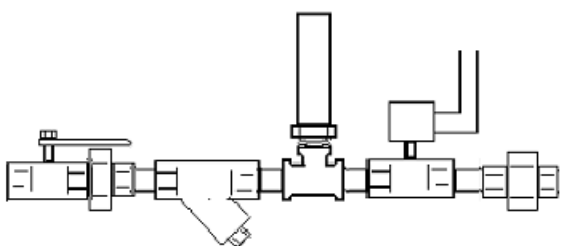
Assembly # \_\_\_\_\_ Model \_\_\_\_\_  
 Quantity \_\_\_\_\_ Sizes \_\_\_\_\_  
 Mounting \_\_\_\_\_



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 1/2 & 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

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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
<b>This Request</b>	<b>\$774.00</b>
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



Since 1980

"Building a Safe & Secure Southern California"

Change Order Request Form

Customer Oltmans Construction Project: Magnoila 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

Table with columns: Position, Hours Worked, Hourly Rate, OT Hours, OT Rate, Total Cost. Rows include Journeyman, Foreman, Superintendent, Mark Up 10%, and Total Labor Costs.

Material Costs

Table for Material Costs with a single row for 'See Material Breakout Report Attached' and a subtotal of \$91.33, plus sales tax and mark-up totaling \$108.50.

Equipment Costs

Table for Equipment Costs with columns: Description, Day, Rate, Total. Shows a Mark-Up of 10% on zero equipment costs.

Subcontractors

Table for Subcontractor Costs showing Subcontractor Costs and Mark-up @ 10% both at zero.

Total Daily Change Order Due \$ 774.00



NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
<b>Section : Section 001: BR PWR - ADDED SOW PURSUANT TO RFI 191</b>					
	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 recategorized 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 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 Lifedeck coatings. These coatings are multi-coat systems that reduce moisture vapor emissions, allows 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 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  
**PROJECT:** Magnolia Science Academy

**DATE:** 01/07/2019  
**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
	<b>SUBTOTAL:</b>	<b>84,285.00</b>
	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
	<b>SUBTOTAL:</b>	<b>-36,856.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>47,429.00</b>

**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](http://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.)

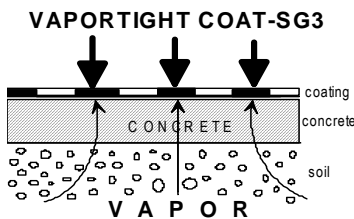
### Product Description

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 ft<sup>2</sup> 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 ft<sup>2</sup> (grams/hr\*m<sup>2</sup>). 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 carried out by independent laboratory (Wet method)	Test Results: MACTEC No.6136-03-0302		
	BEFORE: Untreated Control	AFTER: VAPORTIGHT COAT®-SG3	REDUCTION %
<b>Water Vapor Transmission:</b>		Sample A, No.1	
♦ lbs / 24 hours * 1000 ft <sup>2</sup>	<b>24.08</b>	<b>0.18</b>	<b>99</b>
♦ grams / hour * m <sup>2</sup>	4.89	0.04	
♦ grains / hour * ft <sup>2</sup>	7.02	0.05	
Permeance: ♦ perms	16.95	0.13	
♦ grams / Pa*s*m <sup>2</sup>	9.69 x 10 <sup>-07</sup>	7.34 x 10 <sup>-09</sup>	

## "SG3" Application Rates as per ASTM F-1869 (CaCl)

Moisture vapor emission rate lb/24 h • 1000 ft <sup>2</sup>	g/h/m <sup>2</sup>	No. of coats	Application rate		Appx. thickness		~Yield: 2.4 gal (9.2 L)		~Yield: 7.3 gal (27.5 L)	
			ft <sup>2</sup> /gal	kg/m <sup>2</sup>	mils	mm	ft <sup>2</sup>	m <sup>2</sup>	ft <sup>2</sup>	m <sup>2</sup>
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 <sup>2</sup> /gal (0.29 kg/m <sup>2</sup> )
85 - 90% RH = 130 ft <sup>2</sup> /gal (0.35 kg/m <sup>2</sup> )
90 - 95% RH = 105 ft <sup>2</sup> /gal (0.43 kg/m <sup>2</sup> )
95 - 100% RH = 80 ft <sup>2</sup> /gal (0.57 kg/m <sup>2</sup> )

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 <sup>2</sup> - Passed = non-flammable (ASTM E 648-03)	
Methane Permeability (ISO 15105-2)	2.20 [cm <sup>3</sup> / (m <sup>2</sup> *d*bar)] at 36 mils (0.90 mm) thickness	
Indoor Air Quality Control (DIN EN ISO 16000)	Passed: VOC (0 mg/m <sup>3</sup> ) & 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.



**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

inches. Deflection should be less than L/480. OSB is not a suitable substrate.

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

#### 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.

#### 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.

#### 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.

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.

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## 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.

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## 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.

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## 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.

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## 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-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/Mixing:

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



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



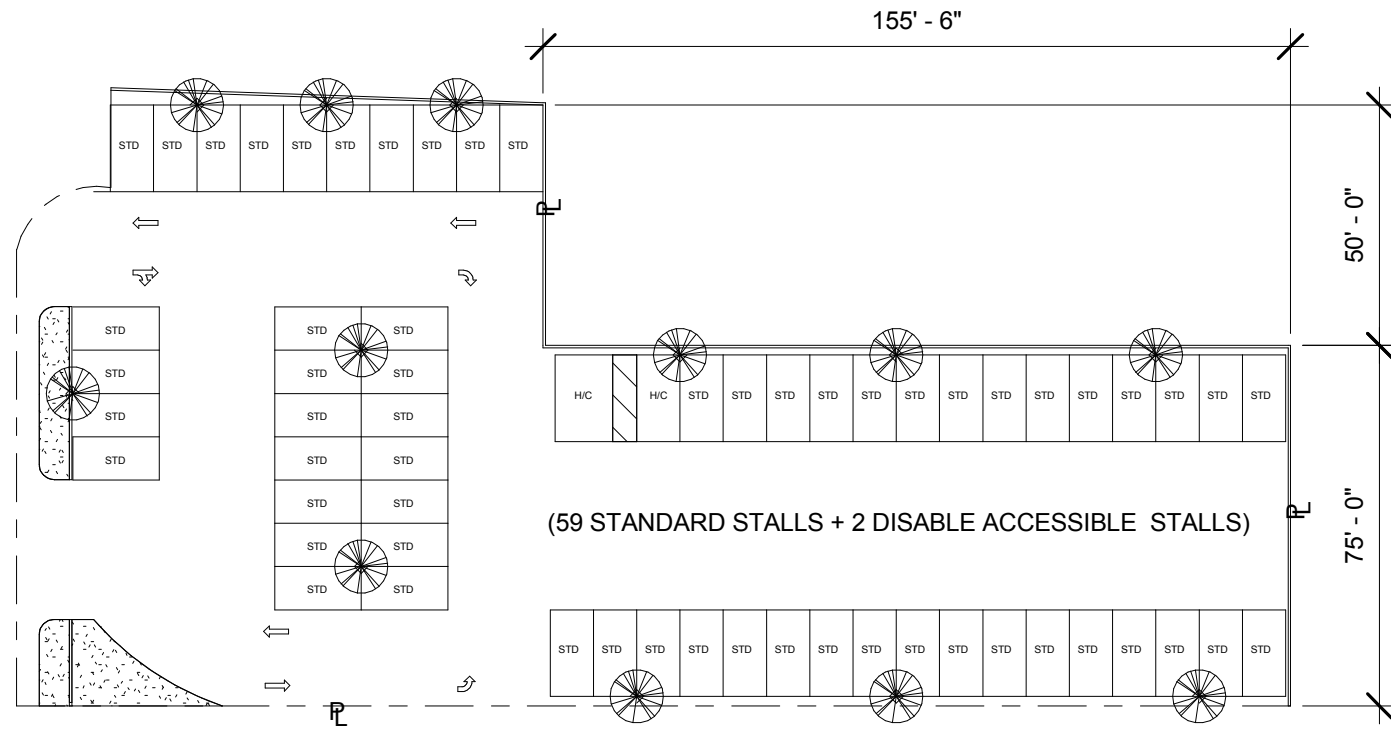


Exhibit C

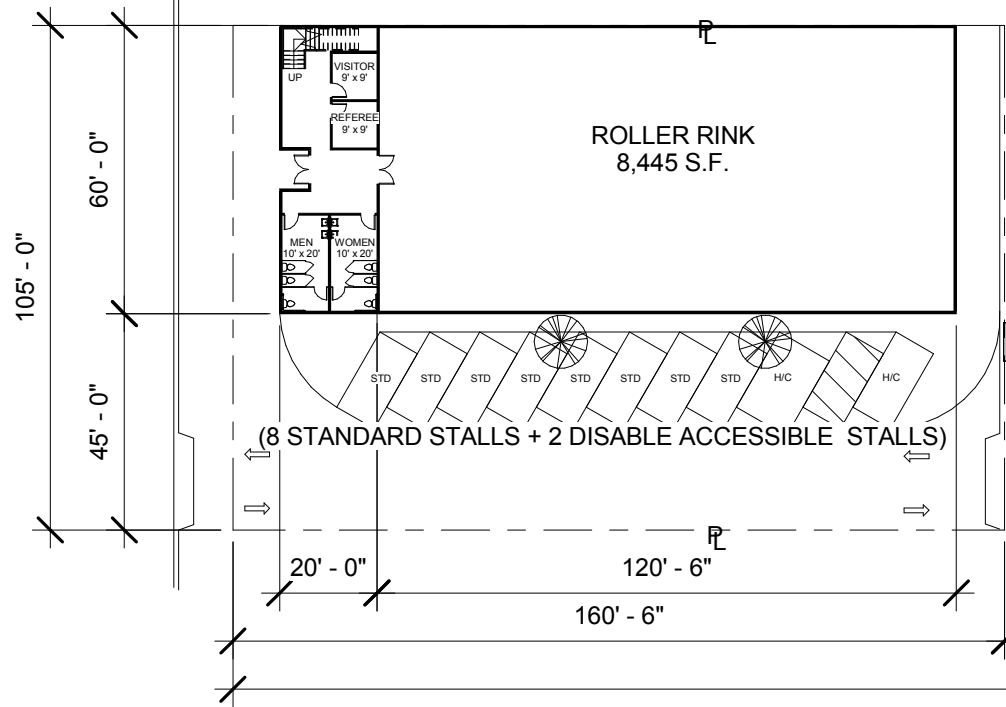
City Conceptual Plan for Ice Skating Rink

(see following page)

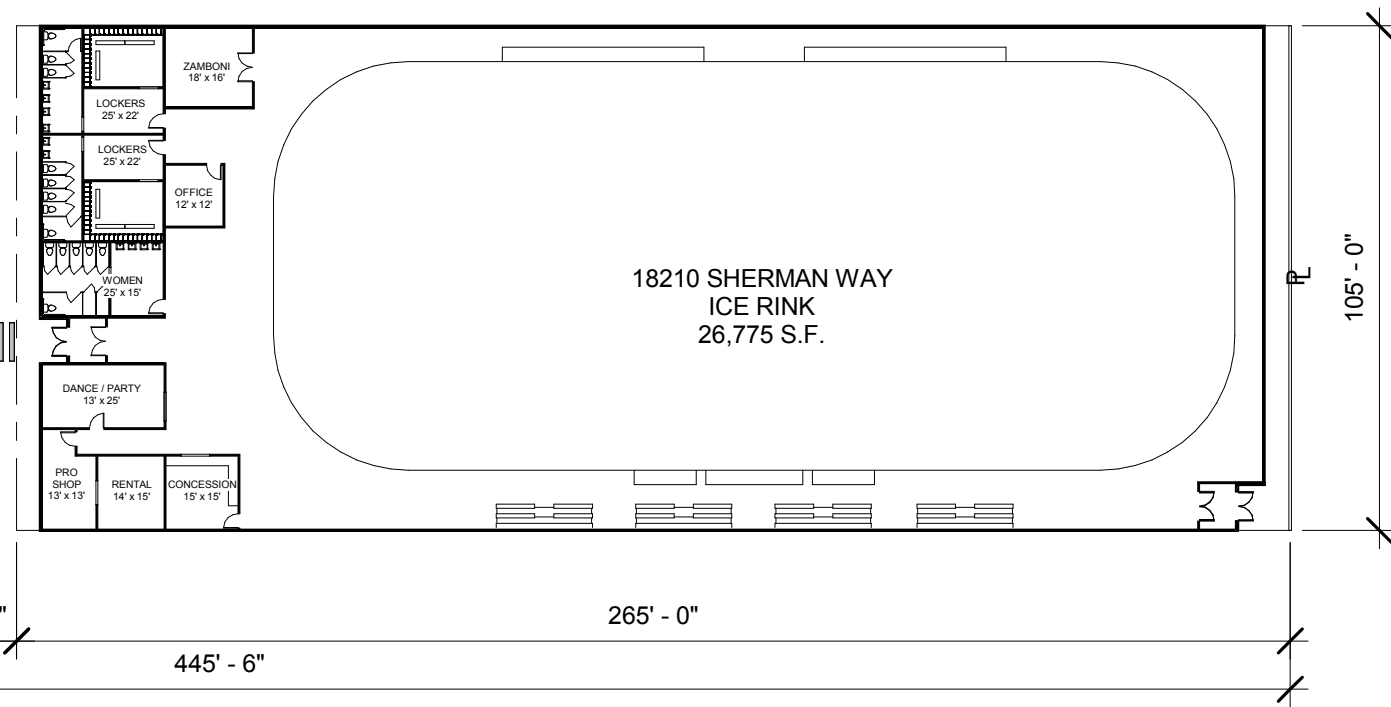
SHERMAN WAY



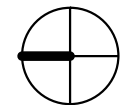
SHERMAN WAY



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)

**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.

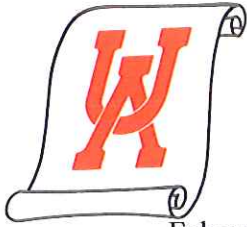
Vendor	Description	Amount
	Credit: For Damage Caused by OCCO	-12,000.00
	Credit: Seal & Slurry	-16,464.00
	Add: Asphalt Paving	118,000.00
	Bond	733.00
	Gross Tax	117.00
	GL	869.00
	SDI	1,120.00
	Fee	4,577.00
	<b>SUBTOTAL:</b>	<b>96,952.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>96,952.00</b>

**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](mailto: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](mailto:ElizabethL@oltmans.com)>

Sent: Friday, February 8, 2019 10:38 AM

To: Curt Fauntleroy <[curt@universalasphalt.com](mailto: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

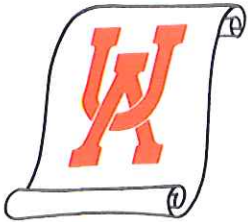
Standard Exclusions:

**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



# 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

January 22, 2019

Oltmans Construction Company  
10005 Mission Mill Road  
Whittier, Calif. 90608

Attn. Erika Peel  
RE: **Magnolia Science Academy**  
**18220 Sherman Way**  
**Reseda, Calif.**

**WILL NOT GUARANTEE GRIND  
AND OVERLAY WORK DUE TO  
EXISTING CONDITIONS.**

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

<b>To:</b> Oltmans Construction	<b>Contact:</b> Trevor Lawton
<b>Address:</b> 10005 Mission Mill Road Whittier, CA 90601	<b>Phone:</b>
	<b>Fax:</b>
<b>Project Name:</b> Magnolia Science Academy RCO	<b>Bid Number:</b> 20180267
<b>Project Location:</b>	<b>Bid Date:</b> 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:

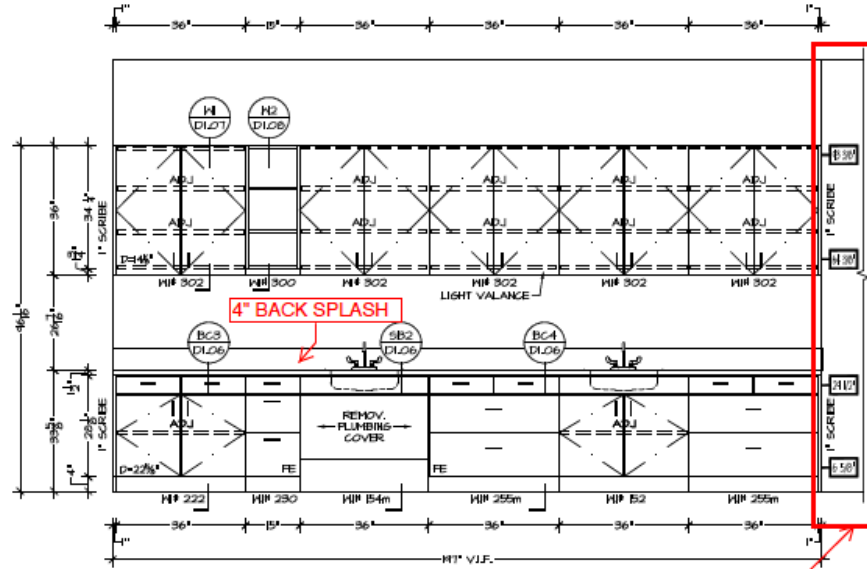
- Overexcavation in the parking area is not included.

*OCCO NOTE:  
 2/12 not cost effective. Will propose paver  
 to do all, less expensive.*

<p><b>ACCEPTED:</b>          The above prices, specifications and conditions are satisfactory and hereby accepted.</p> <p><b>Buyer:</b> _____</p> <p><b>Signature:</b> _____</p> <p><b>Date of Acceptance:</b> _____</p>	<p><b>CONFIRMED:</b>  <b>G.J. Gentry Engineering Inc</b></p> <p><b>Authorized Signature:</b> _____</p> <p><b>Estimator:</b> 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

