



Ad Hoc Committee Agenda Item #:	II A – Action Item
Date:	January 23, 2020
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

## I. Proposed Recommendation(s)

Staff recommends and moves that the Ad Hoc Committee approve change order requests 37 to 54 up to \$176,614.96 as presented by Oltmans Construction Co. (“**Oltmans**”) for the new construction project for the benefit of MSA-1 at 18220 Sherman Way (the “**Project**”) with the payment amount to be confirmed by MPS Staff based on a review of all change order requests and back-up.

## II. Background

### A. Authorization

At the November \_\_, 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 by Oltmans for the Project. Change order requests are referred to as “Potential Change Items” by Oltmans but shall be referred to as “Change Order Request(s)” or “COR(s)” herein. Oltmans was the general contractor for the Project. Oltmans has submitted CORs numbers 36 to 54 for approval. The total for all CORs is \$176,614.95. Each COR is summarized below. All CORs are attached as exhibits to this Report.

### B. Unforeseen Delays

The project team, consisting of MPS Staff, Oltmans and Franco Architects, originally forecast a substantial completion date of July \_\_, 2019 in time for the new building to open its doors to students at the beginning of the 2019-20 school year. A combination of a significant number of rain delays, delays by utilities, and obstacles raised by the inspectors from the Los Angeles Department of Building and Safety (“**LADBS**”) conspired to delay the completion and opening of the Project. Changes required from the LADBS inspectors caused changes in the scope of work that thus increased costs. resulted in Oltmans being required to work 6 and 7 day weeks. As the desired opening date fast approached and the inspectors from the Los Angeles Department of Building and Safety (“**LADBS**”) placed hurdles to the opening, Oltmans was instructed to “pull out all the stops” to get the Project completed on time. Oltmans and its subcontractors worked 6 to 7 day weeks and multiple shifts during a typical day.

Some of the hurdles put up by LADBS include but are not limited to the following:



- LADBS inspectors required changes to the plans that had already been reviewed and approved by LADBS (for example, COR 41).
- LADBS inspectors required a change in the scope of work on one visit only to add additional conditions or even do a 180 reversal on subsequent visits.
- LADBS inspectors on subsequent inspections would raise issues that they easily could have identified during prior inspections.

These CORs are the result of MPS Staff making decisions in the field in real time in the last month of construction in order to not delay the Project. Oltmans carried its own contingency for the Project out of which many increased Project costs were paid rather than presenting MPS with change orders. The CORs presented here exceed the contingency carried by Oltmans. Many CORs are the result of direct feedback from the LADBS inspectors. They were not optional and therefore had to be done. CORs 36, 39, 41, 46, 47, 48 and 53 are ones that fit into that category.

Overall the Project team found the LADBS inspectors to be difficult and uncooperative. For example, the LADBS inspectors would only allow an early move in of furniture when the building passed certain inspections that are typical of those required for occupancy. After the fire department signed off on the fire life safety system to allow for a temporary certificate of occupancy with a few items outstanding, the LADBS mechanical inspector required MPS to implement a “fire watch” until all corrections were completed (i.e., those detailed in CORs 41, 48 and 50). A fire watch is typically required by the Fire Department and entails having one or more persons designated to survey the property on a regular basis (for example, check every room once per hour) and maintaining a record of such activity. This was an unreasonable request because the fire department deemed the property safe enough for temporary occupancy while the additional scope of work was completed. All principal fire life safety mechanisms were operational. As a consequence, we were required to have 24/7 coverage which resulted in COR 50 at a cost of \$12,433.

Delays by the utilities – the Los Angeles Department of Water and Power and the Gas Company -- also negatively impacted the Project schedule. Delays by LADWP in installing the transformer and electric meter affected subcontractors from completing their work in a timely manner. MPS Staff reached out to Councilman Blumenfield’s office for help. They assisted by expressing their support for the Project and urged the utility to expedite their work. It may have helped a little. As further evidence of the delays endures, the Gas Company has yet to install its meter. It’s scheduled for

### III. Description of the CORs

COR/PCI	DESCRIPTION	COMMENTS / EXPLANATION	COST
36	Concrete Placement of City Sidewalk Replacement required by City Inspector	Paid from allowances and contingency	\$0
37	Paint Fire Sprinkler Lines	Prime and paint fire sprinkler lines at exposed ceiling structure areas in the atrium	\$1,193.00





COR/PCI	DESCRIPTION	COMMENTS / EXPLANATION	COST
38	Credit for Manufacturer Change for Toilet Partitions	Deductive change due to change in manufacturer	(\$4,703.67)
39	Sherman Way City Sidewalk Demo and Concrete Reconciliation	<p>Paid from allowances and contingency</p> <p>Costs to add additional curb and sidewalk at the requirement of the Public Works Inspector. This cost is over the original 2,000 SF previously reconciled in PCI 36. The demolition, removal of sub grade, recompaction, and base install of the City sidewalk to meet new City standards as required by the Public Works Inspector are included.</p>	\$0
40	Irrigation Plumbing POC at Street	<p>Paid from allowances and contingency</p> <p>Change order is a deduct reconciliation against the offsite fire water line. Contract scope stopped at property line and this was connecting from the irrigation stub to the meter box.</p>	\$0
41	City Required Fire Alarm/Mechanical Changes	<p>Change order request includes all costs associated with the added fire alarm and mechanical scope added in RFI 240 and per City Mechanical Inspector's correction notices and his office visits on 9/25 and 9/27. The Commencement of this Work in conjunction with a Fire Watch allowed the school to be occupied with a Temporary Certificate of Occupancy.</p> <p>Required the work of 4 different subcontractors</p>	\$ 42,630.67



COR/PCI	DESCRIPTION	COMMENTS / EXPLANATION	COST
42	Extended General Conditions Reconciliation	<p>Change order request includes costs associated with the extension of general conditions from the previously reconciled substantial completion date of July 2, 2019 to the actual substantial completion date of September 18, 2019. The project dates were impacted due to the delay in the release of power by DWP--the meter was energized on August 26, 2019--and the release of LADBS sign offs allowing for occupancy.</p> <p>Includes a credit for the non-installation of the Proto II wall. The City of LA would not issue a permit for its construction without a lot tie. A lot tie was only feasible following approval of the zone change.</p> <p>General conditions are the contractor's direct costs and overhead.</p>	\$60,364.82
43	Electrical Added Scope to existing school	<p>Electrical repairs and upgrades at the existing building that would also be necessary for the new construction project.</p> <p>Work was approved by former construction manager and was tracked on a time and material basis</p>	\$3,162.00
44	Parking Lot Conduit Stub at Future Pole Locations RFI 160	This work was authorized and performed to provide the infrastructure so that lighting could be provided at a future date.	\$4,735.00
45	PCI No. Not Used		
46	Added handrail at roof level stairwell	Handrails and other changes due to addition of additional step at roof level	\$2,542.00



COR/PCI	DESCRIPTION	COMMENTS / EXPLANATION	COST
47	Chem Lab Furred Walls For Drains & Window	<p>Furnish and install the added furring of the north walls at chemistry lab to accommodate for drains and window per RFI #176 response; the added scope includes framing and drywall. The drawings did not have a way for the chem lab sinks to have drains installed, so the architect directed the installation of the furred walls in front of the windows as noted on RFI 176.</p> <p>In effect the walls were made wider to accommodate for sinks, drain and vents.</p>	\$7,376.00
48	AHU-123 Added Duct Required to Reach Design CFM	<p>During the testing and air balance process, Air Handling Unit (AHU)-123 was recorded as not being able to pull the required CFM through the outside air duct causing it to only work at 42% of design load. To correct the low CFM for AHU-123, the mechanical engineer directed a duct be added from the boys restroom to the electric room to increase the CFM going across the coils to avoid freezing up and achieve higher design load.</p> <p>The level 1 restroom had a hard lid ceiling so the ceiling had to be cut open, an access panel installed, and the work proceeded above that ceiling and across the t-bar ceiling in the hallway.</p> <p>CFM stands for "cubic feet per minute" and is a measure of air flow, often used to describe the capabilities of heating, ventilation and air conditioning systems.</p> <p>It describes the rate at which a certain volume of air moves in a certain period of time. In the case of a blower or fan, it indicates how much air it can move per minute.</p>	\$9,983.75



COR/PCI	DESCRIPTION	COMMENTS / EXPLANATION	COST
49	Replace Broken Sherman Way Glass	Paid from allowances and contingency. The glass on the Sherman Way side of the building was vandalized and shattered. The subcontractor fixed it and it was paid from allowances and contingency.	\$0
50	Fire Watch and September Security Service	Required by LADBS Mechanical Inspector in order to obtain a Temporary Certificate of Occupancy (TCO). Entailed having a full time person for part of the day make hourly rounds and note observations in a notebook.	\$12,433.00
51	Framing and Drywall RFI Changes	This COR is inclusive of multiple scope changes that resulted from requests for information from the contractor to the architect regarding framing and drywall changes encountered in the field.	\$14,589.39
52	Structural Steel RFI Scope Changes	This COR is inclusive of multiple scope changes that resulted from requests for information from the contractor to the architect regarding structural steel matters encountered in the field, including having to do with the stairs and the light poles on the roof.	\$12,725.00
53	Removal of Solenoid and Addition of Manual Gas Shut Off	Previously installed automatic gas shut-off required by one LADBS inspector was required to then be removed by another LADBS inspector who also required installation of a manual shut off; this was necessary in order to get LADBS to release the gas meter	\$3,740.00



COR/PCI	DESCRIPTION	COMMENTS / EXPLANATION	COST
54	Building Coping-Flashing Between Buildings	<p>Addition of the flashing/gutter between the existing MSA building and new MSA building.</p> <p>This work was added in Bulletins 1 &amp; 2, but was on hold for most of the Project due to the lot tie not taking place and whether or not the work would occur. Originally the metal was going to be turned over to the School after final, however, during punch list due to concerns from the architect of water intrusion into the existing building (parapet cap missing) and the closing of the gaps between the buildings, the work was installed in September.</p> <p>The purpose of this COR was to prevent water infiltration from the new building into the existing building.</p>	\$5,844.00

#### IV. Budget Impacts

The total cost of CORs is \$176,614.96 which will be paid from the contingency carried for the Project. The present contingency budget balance is approximately \$422,714. Therefore, these change orders collectively would reduce the contingency to approximately \$246,099.04. The overall Project Budget has not been increased as a consequence of these CORs.

CATEGORIES	PROJECT BUDGET	
	22 NOVEMBER 2019	5 DECEMBER 2019
Acquisition Costs	\$3,832,260	\$3,832,260
Hard Costs	\$8,520,753	\$8,697,368
Soft Costs	\$1,011,823	\$1,011,823
Financing Costs	\$67,395	\$67,395
Management Costs	\$333,312	\$333,312
<b>Subtotal</b>	<b>\$13,765,543</b>	<b>\$13,942,158</b>
Contingencies	\$422,714	\$246,099
<b>Total</b>	<b>\$14,188,257</b>	<b>\$14,188,257</b>



Exhibits (attachments):

- A. CHANGE ORDERS





Exhibit A

Oltmans Change Order Requests

PCI 36



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

**POTENTIAL CHANGE ITEM**  
PCI036

**TITLE:** Concrete Placement of City Sidewalk Replacement

**DATE:** 08/19/2019

**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 allowance reconciliation is only for concrete placement of the City sidewalk in front of the MSA building. Deduct amount from Sherman Way Sidewalk Allowance. Demolition, grading, export, and base install were tracked on a time and material basis and will be submitted in a separate PCI.

Vendor	Description	Amount
S.J. Grigolla	Install concrete for sidewalk. See SJ Grigolla COR 1R1 for reference.	13,700.00
	<b>SUBTOTAL:</b>	<b>13,700.00</b>
	Deduct from Allowance	-13,700.00
	Bond	0.00
	Gross Tax	0.00
	GL	0.00
	SDI	0.00
	Fee	0.00
	<b>SUBTOTAL:</b>	<b>-13,700.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>0.00</b>

**APPROVAL:**

Oltmans Construction Co.

**BY:** Trevor Lawton

**DATE:**

**APPROVAL:**

Magnolia Educational and Research

**BY:** *Alfredo Prutalcano*

**DATE:** 08-27-19



## CHANGE ORDER REQUEST

2639 SIERRA WAY  
 LA VERNE, CA 91750  
 909.596.6406 (Office)  
 909.596.5031 (Fax)  
 License # 462356-A  
**PW Contractors Reg. ID #: 100003908**

<b>Project:</b>	Magnolia Science Academy	<b>To:</b>	Oltmans
<b>Address:</b>	18220 Sherman Way, Los Angeles, CA 91335	<b>Attn:</b>	Trevor
<b>Wages:</b>	Private	<b>CO#</b>	1 Rev_01
<b>Date:</b>	8/19/2019	<b>RFI</b>	-

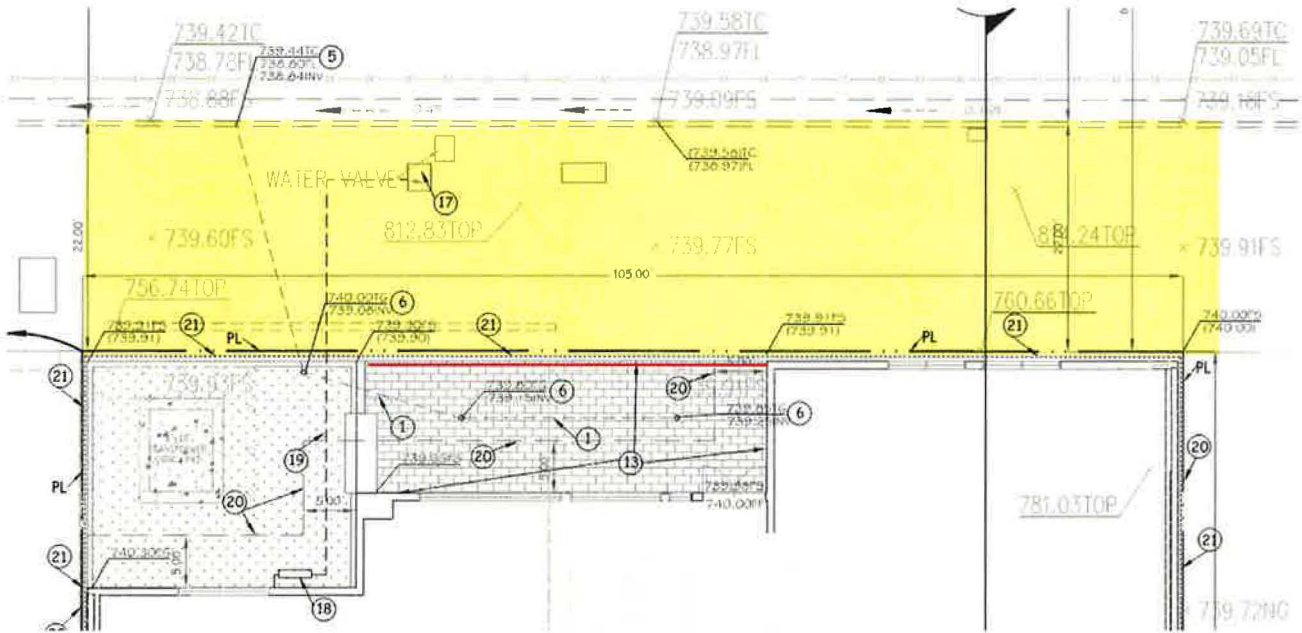
### Change Order Description

item description	detail	quantity	unit cost	total	
Construct Concrete Sidewalk In Front Of Building W/ 2' x 2' Control Joint Pattern. Total SF Will Be Field Verified, Final Amount Will Reflect That.		2000	sf	\$6.85	\$13,700.00
subtotal					\$13,700.00

<b>Lump Sum</b>	<b>\$13,700.00</b>
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### Notes:

Curb and Gutter Is To Remain. Sidewalk Is To be 4" Thick. Traffic Control By Others



PCI 37

**TITLE:** Paint Fire Sprinkler Lines  
**PROJECT:** Magnolia Science Academy

**DATE:** 09/18/2019  
**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 Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment as required to prime and paint fire sprinkler lines at exposed ceiling structure areas including: Atrium, stair #1 and stair #2. This change was due to item added to punch list and not clearly identified in contract documents.

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.

<b>Vendor</b>	<b>Description</b>	<b>Amount</b>
JFP Company	Paint & Wallcovering	1,100.00
	<b>SUBTOTAL:</b>	<b>1,100.00</b>
	Bond	9.00
	Gross Tax	2.00
	GL	11.00
	SDI	14.00
	Fee	57.00
	<b>SUBTOTAL:</b>	<b>93.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>1,193.00</b>

**APPROVAL:**  
Oltmans Construction Co.

**BY:**   
**DATE:** 10/22/19

**APPROVAL:**  
Magnolia Educational and Research

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



**Impacted Trades: ALL TRADES REVIEW**

Overall:

1. Finish all stair treads, floor and base.
2. Ease all sharp corners of all flashing, tile and metal frame.
3. Check all T-bar ceiling alignment and repair all damaged ceiling tiles.
4. Find blue tape markings in the field for repair locations.
5. **Paint all exposed piping to blend in with surroundings.**
6. Fix all chipped wood doors.
7. Fix all chipped paint on walls.
8. Adjust weight of doors that are too heavy.
9. Light fixtures are not working in some rooms.
10. AC is not working in some rooms.
11. Hand dryers are not working in some bathrooms.
12. All ADA restroom stalls need stoppers for the doors as to not damage tiles when opened.
13. All paint lines in hallway should be aligned with or slightly below door frame.

**OCCO NOTE:**

Fire sprinkler lines can't be painted until final sign off. Sprinkler heads can't be painted.



Per Chris P. this includes fire sprinkler lines at every floor of stair #1, #2 and atrium

TO: Oltmans Construction  
10005 Mission Mill Road  
Whittier, CA 90601

DATE: 9/17/2019

ATTN: Elizabeth Lara  
E-MAIL: [elizabethl@oltmans.com](mailto:elizabethl@oltmans.com)  
PH: (562) 948-4242 EXT 3432

PROJECT: Magnolia Science Academy  
18220 W. Sherman Way  
Reseda, CA 91335

Cal. State License No. 457639

**CHANGE ORDER REQUEST #3**

**Additional Items:**

- 1. Prime and paint fire sprinkler lines at exposed ceiling structure areas as requested.**

**TOTAL COR#3: \$1,100.00**

Submitted by: Chris Pennington

Approved by:

Date:

JFP will not proceed with this scope of work without written authorization, nor be responsible for any delay in the completion of the project resulting from the failure to timely authorize this scope of work in writing and on the approved form for billing.

The work set forth above shall be subject to all of the terms and conditions of the contract. This price submitted to perform the work described herein includes the direct cost of labor, material and equipment necessary to perform the work plus markup. The price does not include amounts for unforeseen and currently unexpected delays, interferences and disruptions to the original contract work caused by this additional work. JFP reserves the right to seek additional compensation for the costs of those delays, interferences and disruptions, if any, at a later date.

PCI 38



CONSTRUCTION CO.

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

**POTENTIAL CHANGE ITEM**

PCI038

**TITLE:** Credit for Manufacturer Change for Toilet Partitions

**DATE:** 10/03/2019

**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 credit back for the change of the manufacturer for the toilet partitions.

Vendor	Description	Amount
THOMAS PARTITIONS & SPECIALTIES	Credit for manufacturer change for toilet partitions. See Thomas CO dated 8/21 for reference.	-4,345.67
	<b>SUBTOTAL:</b>	<b>-4,345.67</b>
	Bond	-35.00
	Gross Tax	-5.00
	GL	-42.00
	SDI	-54.00
	Fee	-222.00
	<b>SUBTOTAL:</b>	<b>-358.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>-4,703.67</b>

**APPROVAL:**

Oltmans Construction Co.

**BY:**  Trevor Lawton

**DATE:** 10/3/19

**APPROVAL:**

Magnolia Educational and Research

**BY:**

**DATE:**

Company Address 2172 Yucca  
 Altadena, CA 91001  
 US  
 Contractor License # 613974  
 DIR # 1000008781

Change Order   
 Created Date 8/21/2019  
 Quote Number 00013556

Prepared By Candace Ondrejcka  
 Phone (323) 256-8666  
 Email estimating@thompart.com  
 Fax (323) 256-8737

Contact Name Trevor Lawton  
 Phone (562) 948-3330  
 Email trevorl@oltmans.com  
 Fax (562) 695-9267

Bill To Name Oltmans  
 Bill To 10005 Mission Mill Road  
 Whittier, Ca 90601  
 Payment Terms Credit Card w/ 50% Deposit

Job Number J008094  
 Opportunity Name Magnolia Science Academy  
 Ship To 18220 Sherman Way  
 Reseda, Ca

**Plan Scope**

Addendum Noted None Noted

**Job Scope**

Ship Via Install  
 Total Stalls 0  
 Total Screens 0  
 Total Accessories 0

**Notes**

Description Change of Material Credit from Bobrick Sierra Series to Scranton Solid Plastic

Product	Line Item Description	Quantity	Optional
C10164.Lot	Bobrick Sierra Series 1092G	-1.00	<input type="checkbox"/>
Lot P10164.lot	Solid Plastic StallsFloor Mounted Overhead Braced	1.00	<input type="checkbox"/>

Subtotal (\$4,345.67) Total Quote (\$4,345.67)  
 Total Options \$0.00 Tax \$0.00  
 Total Price (\$4,345.67) Grand Total (\$4,345.67)

**Terms and Conditions**

- Entire Agreement.** This Agreement constitutes the entire agreement between the parties and Thomas Partition shall not be bound by any other terms, absent a written modification or other agreement signed by the parties. Acceptance of this order/contract constitutes acceptance of all conditions herein stated.
- Scope.** This quotation is expressly limited to the model numbers, quantities, and terms stated throughout. This quote does not guarantee quantities or descriptions to agree with plans and specifications. It is purchaser's responsibility to compare with actual requirements to avoid error.
- Options.** Product line items noted as Optional are not discounted and are not part of the Grand Total of the quotation. If optional items are required, the quotation must be revised to reflect the proper material required.
- Acceptance.** All quotations are subject to acceptance of your purchase order by Thomas Partitions. All orders under \$50,000 must be place with a purchase order.
- Deposit and Payment.** Thomas Partitions requires a 50% deposit to place order and balance due upon delivery/installation, unless agreed

Opportunity Name Magnolia Science Academy Quote Name CO1 Credit  
 Account Name Oltmans

otherwise in writing.

6. **Submittals.** Submittals are provided at no cost, and will be delivered within 10 days after request.

7. **Prelien.** Cost for prelien is not included in quotation. Should Thomas Partitions prelien the property, an addition \$50.00 will be added to the final invoice.

8. **Tax.** Quotations do not include applicable taxes, unless stated otherwise.

9. **Shipping and Handling.** Shipping and handling cost are estimated and charged with no markup to the customer. Actual shipping and handling costs will be applied to the final invoice.

10. **Site Visits.** Only for the supply of partitions, is one site visit included in the base price of the quotation for the field measuring of the material. No other site visitas are included in the price of the quote. Requests by the customer for additional site visits will incur additional charges on final invoice as as discribed in Term 12 - Additional Charges.

11. **Changes.** Changes, modifications, waivers, additions or amendments to the terms and conditions of this Purchase Order shall be binding on Thomas Partitions only if such changes, modifications, waivers, additions, or amendments are in writing and signed by a duly authorized representative of Thomas Partitions.

12. **Additional Charges.** Basis for additional charges will be as such: Labor hours will be billed at \$105/hr for journeyman, \$75/hr for apprentice. Trip charges will be billed as a minimum of \$210 for trips in Los Angeles County. Material will be billed as standard prices. Should additional charges become material to the scope of work, a separate quote, or change order, for additional work will be submitted for approval.

13. **Insurance.** Quotations do not include additional insured endorsements or waiver of subrogation. OCIP credit will only be applied to OCIP issuance certificates received before start of work. \$2 million aggregate insurance is included in base price. If \$5 million aggregate is needed, additional cost of \$5,000.00 will be applied to the final invoice.

14. **Exclusions.** Price does not include delivery, installation, and all applicable taxes; except where noted otherwise. Price excludes frameless mirrors, work outside restrooms (unless otherwise noted), demolition, backing or the installation of backing, filler pieces, patching, caulking, installation of hand dryers/ ceiling beams/ and or plumbing of any kind.

15. **Availability:** Lead times are based on current estimated manufacturers' inventory forecasts. Manufacturer's actual inventory demands may vary.

16. **Time of Delivery.** Delivery is for standard business hours: 7am to 4pm Monday through Friday. Delivery schedules are contingent upon strikes, accidents delays of carriers, or construction delays out of our control.

17. **Off Hours.** This quote excludes Off Hours work, which is defined as hours not during the normal business hours referenced under Term 16 - Time of Delivery. Charges for off hours work will start at \$400.00 per day.

18. **Installation:** Installation requires authorization by customer to proceed with installation. Customer will guarantee that the job site has backing, recessed holes, tile and grout complete, painting complete, plumbing fixtures set, and that Thomas Partitions has unrestricted access to the Restrooms. If a guarantee is made and job conditions, out of our control, prevent, the start or completion of, scheduled work, trip charges and cost of additional labor will be applied to final invoice as noted in Term 12 - Additional Charges.

19. **Delivery.** Purchaser, or purchaser's agent, will take effective delivery of material and/or installation upon the sooner of: signing and acknowledging acceptance of delivery, 48 hours after installation, or reasonable inspection of the material.

20. **Returns.** Returns are subject to manufacturers' approval, restocking fee of 25%, and trip charges.

21. **Work of others.** Thomas Partitions is not responsible for damage caused by the work of others. Thomas Partitions is not responsible for damages cause to plumbing behind restroom walls.

Acceptance of Quotation and Terms

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name

\_\_\_\_\_  
PO#

\_\_\_\_\_  
Title



PCI 39 (REV)



CONSTRUCTION CO.

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

**POTENTIAL CHANGE ITEM**

PCI039

**TITLE:** Sherman Way City Sidewalk Demo and Concrete Reconciliation

**DATE:** 10/03/2019

**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:**

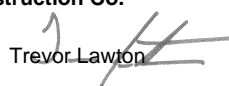
This change order requests includes costs to add additional curb and sidewalk at the requirement of the Public Works Inspector. This cost is over the original 2,000 SF previously reconciled in PCI 36. The demolition, removal of sub grade, recompaction, and base install of the City sidewalk to meet new City standards as required by the Public Works Inspector are included.

Deduct against allowances per conversation with P. Ontiveros on 10/9/19.

Vendor	Description	Amount
Garrett J. Gentry General Engineering	Demo and Earthwork Scope. See GJ Gentry CO dated 8/9/19 for reference.	12,130.00
S.J. Grigolla	Added curb and concrete. See SJ Grigolla CO#2 for reference.	4,230.00
	<b>SUBTOTAL:</b>	<b>16,360.00</b>
	Deduct against remaining Sherman Way Sidewalk Allowance.	-1,300.00
	Deduct Against Wet Soils Allowance	-7,195.36
	Deduct Against UG Fire Sprinkler Allowance	-7,864.64
	Bond	0.00
	Gross Tax	0.00
	GL	0.00
	SDI	0.00
	Fee	0.00
	<b>SUBTOTAL:</b>	<b>-16,360.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>0.00</b>

**APPROVAL:**

Oltmans Construction Co.

BY: Trevor Lawton 

DATE: 10/15/19

**APPROVAL:**

Magnolia Educational and Research

BY: \_\_\_\_\_

DATE: Alfredo Rubalcava, CEO & Superintendent  
10/17/2019



# 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> 8/9/2019

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
804-1	Mobilization Demo Equipment	1.00	LS	\$920.00	\$920.00
804-2	Demo City Side Walk In Front Of New Building (Approx 1,450 SF) Actuals	1.00	LS	\$6,067.97	\$6,067.97
804-3	City Sidewalk Compact & Finish Subgrade For Base; Base Purchase, Install & Finish (Approx 2,260 SF)	1.00	LS	\$5,142.37	\$5,142.37

**Total Bid Price:** \$12,130.34

<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>
--	---



# G.J. Gentry General Engineering, Inc.














1297 W 9th Street  
 Upland, CA 91786  
 909-693-3391  
 Lic. #A991354  
 DIR #1000045135

## Cost Detail

<b>Project Name:</b> Magnolia Science Academy RCO	<b>Customer:</b> Oltmans Construction
<b>Job Number:</b> 275 <b>Bid Number:</b> 20180267	<b>Billing Address:</b> 10005 Mission Mill Road
<b>Bid As:</b>	Whittier, CA 90601
<b>Estimator:</b> David Niederhauser	<b>Phone:</b>
<b>Project Address:</b>	<b>Contact:</b> Trevor Lawton
<b>Completion Date:</b>	

## Pay Items

Description	Quantity	UM	Unit Direct Cost	Total Direct Cost
<b>P</b> 804-1 - Mobilization Demo Equipment	1.00	LS	\$800.00	\$800.00
<b>D</b> 804-2 - Demo City Side Walk In Front Of New Building (Approx 1,450 SF) Actuals	1.00	LS	\$5,276.50	\$5,276.50
<b>D</b> 8.13.19	5.00	HR	\$257.50	\$1,287.50
Foreman (Grading)	5.00	HR	\$82.00	\$410.00
Foreman Pickup - 3/4 Ton	5.00	HR	\$22.00	\$110.00
Skip Loader	5.00	HR	\$49.00	\$245.00
Skidsteer w/ Attachment	5.00	HR	\$55.50	\$277.50
Labor/Driver	5.00	HR	\$49.00	\$245.00
<b>D</b> 8.14.19	6.00	HR	\$306.50	\$1,839.00
Foreman (Grading)	6.00	HR	\$82.00	\$492.00
Foreman Pickup - 3/4 Ton	6.00	HR	\$22.00	\$132.00
Skip Loader	6.00	HR	\$49.00	\$294.00
Skidsteer w/ Attachment	6.00	HR	\$55.50	\$333.00
Labor	6.00	HR	\$49.00	\$294.00
Labor	6.00	HR	\$49.00	\$294.00
<b>P</b> 8.14.19 Trucking Concrete Including Dump Fee	1.00	LOAD	\$550.00	\$550.00
<b>P</b> 8.14.19 Trucking Dirt	3.00	LOAD	\$350.00	\$1,050.00
<b>P</b> 8.16.19 Trucking Concrete Including Dump Fee	1.00	LOAD	\$550.00	\$550.00
<b>D</b> 804-3 - City Sidewalk Compact & Finish Subgrade For Base; Base Purchase, Install & Finish (Approx 2,260 SF)	1.00	LS	\$4,471.63	\$4,471.63
<b>D</b> 8.14.19	2.00	HR	\$306.50	\$613.00
Foreman (Grading)	2.00	HR	\$82.00	\$164.00
Foreman Pickup - 3/4 Ton	2.00	HR	\$22.00	\$44.00
Skip Loader	2.00	HR	\$49.00	\$98.00
Skidsteer w/ Attachment	2.00	HR	\$55.50	\$111.00
Labor	2.00	HR	\$49.00	\$98.00
Labor	2.00	HR	\$49.00	\$98.00
<b>D</b> 8.15.19	1.00	DY	\$2,452.00	\$2,452.00
Foreman (Grading)	8.00	HR	\$82.00	\$656.00

Description	Quantity	UM	Unit Direct Cost	Total Direct Cost
<i>(Item 804-3 - City Sidewalk Compact &amp; Finish Subgrade For Base; Base Purchase, Install &amp; Finish (Approx 2,260 SF) continued)</i>				
 Foreman Pickup - 3/4 Ton	8.00	HR	\$22.00	\$176.00
 Skip Loader	8.00	HR	\$49.00	\$392.00
 Skidsteer w/ Attachment	8.00	HR	\$55.50	\$444.00
 Labor	8.00	HR	\$49.00	\$392.00
 Labor	8.00	HR	\$49.00	\$392.00
 8.16.19	3.00	HR	\$306.50	\$919.50
 Foreman (Grading)	3.00	HR	\$82.00	\$246.00
 Foreman Pickup - 3/4 Ton	3.00	HR	\$22.00	\$66.00
 Skip Loader	3.00	HR	\$49.00	\$147.00
 Skidsteer w/ Attachment	3.00	HR	\$55.50	\$166.50
 Labor	3.00	HR	\$49.00	\$147.00
 Labor	3.00	HR	\$49.00	\$147.00
 Base	25.00	TON	\$19.49	\$487.13

## Direct Cost Totals

	Amount	Percent of Direct Cost
<b>Labor:</b>	\$4,075.00	38.63%
<b>Equipment Owned:</b>	\$3,036.00	28.78%
<b>Equipment Rented:</b>	\$0.00	0.00%
<b>Materials Owned:</b>	\$0.00	0.00%
<b>Materials Purchased:</b>	\$487.13	4.62%
<b>Subcontracted:</b>	\$0.00	0.00%
<b>Trucking Owned:</b>	\$0.00	0.00%
<b>Trucking Hired:</b>	\$0.00	0.00%
<b>Miscellaneous:</b>	\$0.00	0.00%
<b>Plug:</b>	\$2,950.00	27.97%
<b>Direct Cost:</b>	<u>\$10,548.13</u>	

## Pay Item Summary

	Amount	Percent of Takeoff Price
<b>Total Direct Cost:</b>	\$10,548.13	86.96%
<b>Total DC Adds/Cuts:</b>	\$0.00	0.00%
<b>Total Indirect Cost:</b>	\$0.00	0.00%
<b>Total Bond:</b>	\$0.00	0.00%
<b>Total Overall Cost:</b>	\$10,548.13	86.96%
<b>Total Overhead:</b>	\$0.00	0.00%
<b>Total Profit:</b>	\$1,582.22	13.04%
<b>Total Margin:</b>	\$1,582.22	13.04%
<b>Total Takeoff Price:</b>	<u>\$12,130.34</u>	





GJ Gentry Gen. Eng. Inc.  
 Lic#991354A  
 1297 W. 9th Street  
 Upland, CA 91786  
 Ph (909) 693-3391  
 Fx (909) 899-4108

**T&M/Change Order Ticket**

Date: Tues 8-13-19 Job# Magnolia Science  
 Job Location Reseda Foreman: Jeremy  
 Requested By: \_\_\_\_\_ Contractor Name: Altman

Description of work: demo concrete sidewalk in front of building

Employee Names	Trade	Hours Worked
1.) <u>Jeremy Taylor</u>	<u>Foreman</u>	<u>5</u>
2.) <u>Wesley Keller</u>	<u>Laborer</u>	<u>5</u>
3.)		
4.)		
5.)		
6.)		
7.)		
8.)		
9.)		
10.)		

Equipment Used	Material Used	Qty	Fuel Qty Used
1.) <u>truck</u>	1.)	<u>5 hrs</u>	1.)
2.) <u>skip loader</u>	2.)	<u>5 hrs</u>	2.)
3.) <u>skid steer + breaker</u>	3.)	<u>5 hrs</u>	3.)
4.)	4.)		4.)
5.)	5.)		5.)
6.)	6.)		6.)
7.)	7.)		7.)
8.)	8.)		8.)
9.)	9.)		9.)
10.)	10.)		10.)

**\*\* ALL TIME AND MATERIAL COST TO BE DETERMINED BY GARRETT J. GENTRY GENERAL ENGINEERING, INC.'S MOST CURRENT T&M RATE SHEET PLUS 15% OVERHEAD/PROFIT. ALL T&M IS TO BE BILLED FOR IN THE MONTH THAT THE WORK WAS PERFORMED. PAYMENT FOR T&M SHALL BE RECEIVED NO LATER THAN 30 DAYS FROM THE INVOICE DATE. ALL WORK IS BASED ON A FOUR HOUR MINIMUM.**

G.J. Gentry General Engineering, Inc. [Signature]  
 Customer Authorized Approval: \_\_\_\_\_ Date: 8-16-19  
 Print Name: LUIS SANCHEZ



GJ Gentry Gen. Eng. Inc.  
 Lic#991354A  
 1297 W. 9th Street  
 Upland, CA 91786  
 Ph (909) 693-3391  
 Fx (909) 899-4108

**T&M/Change Order Ticket**

Date: wed 8-14-19 Job# Magnolia Science  
 Job Location Reseda Foreman: Jeremy  
 Requested By: \_\_\_\_\_ Contractor Name: Blmans

Description of work:  
Finish concrete demo. Grading down 4" sub grade  
for base.  
Also concrete haul off. 1-End dump  
Also dirt haul off. 3-super 10's

Employee Names	Trade	Hours Worked
1.) <u>Jeremy Taylor</u>	<u>Foreman</u>	<u>8</u>
2.) <u>Wesley Keller</u>	<u>laborer</u>	<u>8</u>
3.) <u>Merich</u>	<u>laborer</u>	<u>8</u>
4.)		
5.)		
6.)		
7.)		
8.)		
9.)		
10.)		

Equipment Used	Material Used	Qty	Fuel Qty Used
1.) <u>truck</u>	1.)	<u>8 hrs</u>	1.)
2.) <u>skid loader</u>	2.)	<u>8 hrs</u>	2.)
3.) <u>skid steer loader</u>	3.)	<u>8 hrs</u>	3.)
4.)	4.)		4.)
5.)	5.)		5.)
6.)	6.)		6.)
7.)	7.)		7.)
8.)	8.)		8.)
9.)	9.)		9.)
10.)	10.)		10.)

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G.J. Gentry General Engineering, Inc. [Signature]  
 Customer Authorized Approval: [Signature] Date: 8-16-19  
 Print Name: WISSANHEO



GJ Gentry Gen. Eng. Inc.  
 Lic#991354A  
 1297 W. 9th Street  
 Upland, CA 91786  
 Ph (909) 693-3391  
 Fx (909) 899-4108

**T&M/Change Order Ticket**

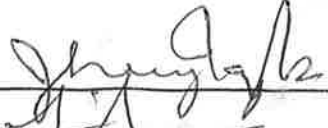
Date: Thur 8-15-19 Job# Magnolia Science  
 Job Location Reseda Foreman: Jeremy  
 Requested By: \_\_\_\_\_ Contractor Name: Ditmans

**Description of work:**  
Finish sub-grade in morning. Place base and start finishing for concrete. 98% done. City Inspector and 150sf. of sidewalk demo. Finished that.

Employee Names	Trade	Hours Worked
1.) <u>Jeremy Taylor</u>	<u>Foreman</u>	<u>8</u>
2.) <u>Wesley Keller</u>	<u>laborer</u>	<u>8</u>
3.) <u>Marich</u>	<u>laborer</u>	<u>8</u>
4.)		
5.)		
6.)		
7.)		
8.)		
9.)		
10.)		

Equipment Used	Material Used	Qty	Fuel Qty Used
1.) <u>truck</u>	1.)	<u>8 hrs</u>	1.)
2.) <u>skid loader</u>	2.) <u>mobilization</u>	<u>8 hrs</u>	2.)
3.) <u>skid steer + breaker</u>	3.) <u>mobilization</u>	<u>8 hrs</u>	3.)
4.) <u>roller</u>	4.) <u>mobilization</u>	<u>2 hrs</u>	4.)
5.)	5.)		5.)
6.)	6.)		6.)
7.)	7.)		7.)
8.)	8.)		8.)
9.)	9.)		9.)
10.)	10.)		10.)

**\*\* ALL TIME AND MATERIAL COST TO BE DETERMINED BY GARRETT J. GENTRY GENERAL ENGINEERING, INC.'S MOST CURRENT T&M RATE SHEET PLUS 10% OVERHEAD/PROFIT. ALL T&M IS TO BE BILLED FOR IN THE MONTH THAT THE WORK WAS PERFORMED. PAYMENT FOR T&M SHALL BE RECEIVED NO LATER THAN 30 DAYS FROM THE INVOICE DATE. ALL WORK IS BASED ON A FOUR HOUR MINIMUM.**

G.J. Gentry General Engineering, Inc.   
 Customer Authorized Approval: \_\_\_\_\_ Date: 8-16-19  
 Print Name: LUIS SANCHEZ



GJ Gentry Gen. Eng. Inc.  
 Lic#991354A  
 1297 W. 9th Street  
 Upland, CA 91786  
 Ph (909) 693-3391  
 Fx (909) 899-4108

**T&M/Change Order Ticket**

Date: Fri 8-16-19 Job# Magnolia Science  
 Job Location Reseda Foreman: Jeremy  
 Requested By: \_\_\_\_\_ Contractor Name: Ditmans

Description of work:  
Finish loose fine grade for concrete  
spin off lot next to bld. Spread rock in entrance.  
Haul off concrete 1- ENPDUMP LOAD

Employee Names	Trade	Hours Worked
1.) <u>Jeremy Taylor</u>	<u>Foreman</u>	<u>3</u>
2.) <u>Wesley Keller</u>	<u>laborer</u>	<u>3</u>
3.) <u>Merick</u>	<u>laborer</u>	<u>3</u>
4.)		
5.)		
6.)		
7.)		
8.)		
9.)		
10.)		

Equipment Used	Material Used	Qty	Fuel Qty Used
1.) <u>truck</u>	1.)	<u>3 hrs</u>	1.)
2.) <u>skiploader</u>	2.)	<u>3 hrs</u>	2.)
3.) <u>skid steer</u>	3.)	<u>3 hrs</u>	3.)
4.) <u>roller</u>	4.)	<u>3 hrs</u>	4.)
5.)	5.)		5.)
6.)	6.)		6.)
7.)	7.)		7.)
8.)	8.)		8.)
9.)	9.)		9.)
10.)	10.)		10.)

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G.J. Gentry General Engineering, Inc.

Customer Authorized Approval: \_\_\_\_\_ Date: 8-16-19  
 Print Name: LUIS SANCHEZ



# S.J. Grigolla Const. Co. Inc.

2639 Sierra Way  
La Verne, Ca. 91750  
Tel: (909) 596-6406  
Fax: (909) 596-5031  
License No. 462356-A  
8/28/19

## Request for Change Order No. 2

TO: Oltman's Construction  
10005 Mission Mill Rd.  
Whittier, CA 90601  
**Attn: Trevor**

**JOB: Magnolia Science Academy**

•Per field measurements actual footage of extra offsite sidewalks in front of building was 2,530 S.F. for an additional 530 S.F. (same price as previous change order) @	\$ 6.85	\$ 3,630.50
•Construt 30 L.F. curbs constructed not shown on plans @	\$20.00	\$ 600.00
<b>Total Amount Requested</b>		<b>\$4,230.00</b>

PCI 40



CONSTRUCTION CO.

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

**POTENTIAL CHANGE ITEM**

PCI040

**TITLE:** Irrigation Plumbing POC at Street

**DATE:** 10/16/2019

**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 is a deduct reconciliation against the offsite fire water line. Contract scope stopped at property line and this was connecting from the irrigation stub to the meter box.

<b>Vendor</b>	<b>Description</b>	<b>Amount</b>
P.V. & C. Plumbing	Plumbing installation of irrigation from PL to Meter. See PV&C COR 13 for reference.	1,419.63
	<b>SUBTOTAL:</b>	<b>1,419.63</b>
	Deduct Against Offsite Fire Sprinkler Allowance	-1,419.63
	Bond	0.00
	Gross Tax	0.00
	GL	0.00
	SDI	0.00
	Fee	0.00
	<b>SUBTOTAL:</b>	<b>-1,419.63</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>0.00</b>

**APPROVAL:**

Oltmans Construction Co.

**BY:** Trevor Lawton 

**DATE:** 10/16/19

**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: **9/20/2019**

CONTRACTOR: <b>Oltmans construction</b>	PROJECT: <b>Magnolia Science Academy</b>
ADDRESS: <b>10005 Mission Mill Road</b>	JOB NO: <b>2027</b> COR # <b>13</b>
CITY, STATE, ZIP: <b>Whitter Ca. 90601</b>	REF NO:      RFI:
ATTENTION TO: <b>Trevor Lawton</b>	

DESCRIPTION OF WORK:

**All labor and materials necessary including hand trenching and backfill to relocate 1 1/2" copper water line into near by planter for POC as needed for the landscape contractor.**

TYPE OF MATERIAL	QTY	UNIT	UNIT COST	AMOUNT	TRADE	HOUR	RATE	AMOUNT
See attached material back-up		1 FLAT	\$309.36	\$309.36	<b>STRAIGHT TIME</b>			
				\$0.00	PLM GF		108.63	\$0.00
				\$0.00	PLM FM		102.19	\$0.00
				\$0.00	PLM JM	10.0	92.51	\$925.10
				\$0.00	WELDER		124.92	\$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		169.71	\$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		213.41	\$0.00
TOTAL				\$309.36	WAGE BENEFITS			included
SALES TAX				included	TRAVEL			\$92.51
TOTAL MATERIAL COSTS				\$309.36	TOTAL LABOR COSTS			\$925.10

MISC. TOOLS & EQUIPMENT					SUMMARY			
ITEM	QTY	UNIT	UNIT COST	AMOUNT				
				\$0.00	TOTAL MATERIAL COST	\$309.36		
				\$0.00	TOTAL LABOR COST	\$925.10		
				\$0.00	TOTAL MISC. COST	\$0.00		
				\$0.00	TOTAL COST	\$1,234.46		
				\$0.00	OVERHEAD & PROFIT	15%	\$185.17	
				\$0.00	TOTAL	\$1,419.63		
				\$0.00	BOND			
TOTAL MISC. COSTS				\$0.00	<b>GRAND TOTAL</b>			<b>\$1,419.63</b>

1.25 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) Landscape repair or replacement
- 5) Repair or replacement of irrigation piping

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;

**Lee Stone**







**PLUMBING & PIPING INC.**

1620 S. Grove Ave., Unit B, Ontario, CA 91761  
(909) 595-9434

**PLUMBING  
EXTRA WORK AUTHORIZATION**

DATE: 8/6/19
JOB NO: 7027
PV&C NO: 7027
WORK ON GOING: Yes / No
WORK COMPLETE: Yes / No
START DATE: 8/5/19
END DATE: 8/5/19

JOB NAME: Magnolia Science Academy
CUSTOMER: Oltmans

CUSTOMER CHANGE ORDER NO. OR RFI NO.
DESCRIPTION OR WORK: - Relocate 1/2" copper water line into the planter, for the irrigation contractor, and backfill line

WORK DESCRIBED ABOVE AUTHORIZED BY	COMPLETION CERTIFICATION	PV&C PLUMBING
DATE: 8/5/19	DATE: 8/6/19	AUTHOR
COMPANY: Oltmans	COMPANY: Oltmans	<i>[Signature]</i>
SIGNED: <i>[Signature]</i>	SIGNED: <i>[Signature]</i>	

**MATERIAL**

TYPE/DESCRIPTION	QUANTITY	TYPE/DESCRIPTION	QUANTITY
1 1/2" type L copper	20'	Flux	1
1 1/2" copper 90's	4	Flux brush	1
1 1/2" copper coupling	1	/	
1 1/2 x 3/4 copper reducer	1		
3/4" copper st. MIP	1		
100lb. test gauge	1		
1 1/2 copper cap	1		
Roll 2" polysleeve	1		
Bottle of mapp gas	1		
Roll of solder	1		

**EQUIPMENT**

**LABOR**

EQUIPMENT	HOURS/DAYS
DELIVERY/TRUCK	/
PIPE MACHINE	
POWER GENERATOR	
MAN LIFT	
BOBCAT / BACKHOE	
COMPACTOR	
CAMERA / LOCATOR (1ST HOUR)	
CAMERA / LOCATOR (ADDITIONAL HOURS)	
DRAIN SHOOTER	
3/8" CABLE SNAKE	
1/2" CABLE SNAKE	
OTHER:	
TIERED SUBCONTRACTOR:	

NO. OF MEN	STRAIGHT TIME	OVERTIME TIME	DOUBLE TIME
	1	5 hrs	
1	5 hrs		
TOTAL HOURS	10 hrs total		
TRAVEL			
EQUIPMENT HOURS			
TIER SUB HOURS			

*Thank You*  
*[Signature]*

PCI 41



CONSTRUCTION CO.

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

POTENTIAL CHANGE ITEM

PCI041

**TITLE:** City Required Fire Alarm/Mechanical Changes

**DATE:** 10/29/2019

**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 include3s costs associated with the added fire alarm and mechanical scope added in RFI 240 and per City Mechanical Inspector's correction notices and his office visits on 9/25 and 9/27.

Vendor	Description	Amount
Christian Bros Mechanical Services	Furnish and Install 11 Duct Detectors per City Mechanical Inspector and Visit on 9/27/19. See Christian Brothers COR#4 for reference.	8,962.00
IE Alarm Systems	Connect 11 Duct Detectors per City Mechanical Inspector and Visit on 9/27/19. See IE Alarm COR#7763 for reference.	5,820.62
IE Alarm Systems	Afterhours and Saturday Inspections required by LADBS. See IE Alarm COR#7764 for reference.	3,420.00
IE Alarm Systems	Addition of Fire Alarm Devices per RFI 240. See IE Alarm CO#3 for reference.	16,353.05
Premier Acoustics, Inc.	Acoustical Ceilings rework due to going back above ceilings for fire alarm and mechanical work due to RFI 240 and to add duct detectors per Inspector and MEOR visit to City. See Premier Acoustics CO#3 for reference.	2,487.00
Safeway Building Systems Inc.	Add 300A transformer for duct detectors that were added by City and confirmed by MEOR. See Safeway RFC 38 for reference.	1,257.00
Safeway Building Systems Inc.	Electrical Controls and Panel Work Per RFI 240. See Safeway Electric RFC#36 for reference.	1,069.00
<b>SUBTOTAL:</b>		<b>39,368.67</b>
	Bond	322.00
	Gross Tax	52.00
	GL	382.00
	SDI	493.00
	Fee	2,013.00
<b>SUBTOTAL:</b>		<b>3,262.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>42,630.67</b>

**APPROVAL:**

Oltmans Construction Co.

BY: Trevor Lawton

DATE: 10/29/19

**APPROVAL:**

Magnolia Educational and Research

BY:

DATE:



**Christian Brothers Mechanical Svcs, Inc.**

11140 Thurston Lane  
Mira Loma CA 91752  
951 361-2247  
951 361-1581Fax

**Request For Change Order**

Date of Request: 10/09/2019  
CB RFCO#: 4-RFCO  
GC RFCO#  
Requested By: Ashley Strohmeyer  
**Respond By: 10/16/2019**

License: 499547

**TO:** OLTMANS CONSTRUCTION CO  
10005 MISSION MILL ROAD  
WHITTIER CA 90601

**JOB:** 302318  
Magnolia Science Academy  
18220 West Sherman Way  
Reseda CA 91335

**ATTN:** DAN WOZNIAK

---

**Reason For A Change Order....**

**REASON FOR CHANGE ORDER:**

Requested by City Inspector to install (11) duct smoke detectors that were not shown on drawings for the smoke fire dampers to pass inspection.

**DESCRIPTION OF WORK:**

Furnish and install (11) duct smoke detectors in duct about T-Bar.

Total Cost: \$8,962

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**RESPONSE :**      **Respond by :**      10/16/2019

---

I am hereby authorized to release the above work for modification and agree to the additional... charges in the Change Order Estimate...

**DATE** \_\_\_\_\_ **APPROVED BY** \_\_\_\_\_  
Signature... Printed Name...

Released for production by Christian Brothers Representative:

**DATE** \_\_\_\_\_ **APPROVED BY** \_\_\_\_\_  
Signature... Printed Name...



Rev 9.30.14

# Christian Brothers

**Mechanical Services, Inc.**  
**11140 Thurston Lane Mira Loma, CA. 91752**  
**(951) 361-2247 fax (951) 361-1581 Lic. 499547**

## RFCO REQUEST FOR CHANGE ORDER

JOB # **3023-18**  
 JOB NAME **Magnolia Science Academy**  
 CREATED BY **Johnny Contreras**  
 BILL TO **Oltmans Construction**  
 ATTENTION **Trevor Lawton**

DATE 10/9/2019  
 RFCO# 4  
 RFI ASSOC. \_\_\_\_\_

**REASON FOR CHANGE ORDER**

Requested by City Inspector to install (11) duct smoke detectors that were not shown on drawings for the smoke fire dampers to pass inspection

**DESCRIPTION OF WORK**

Furnish and install (11) duct smoke detectors in duct above t-bar.

Description:	Qty.	P/ SM	Quantity:				Totals				Subcontract	
			Material	Equipment	Labor		Material	Equipment	Labor		S/R	Values
					Shop	Field			Shop	Field		
Recap from detail sheets page 2						\$ 2,475.00	\$ -	-	33.00		-	
Discovery/ Review	1					\$ -	\$ -	0	0			
Coordination	1					\$ -	\$ -	0	0			
Layout/ Detail	1					\$ -	\$ -	0	0			
Engineering	1					\$ -	\$ -	0	0			
Delivery	1					\$ -	\$ -	0	0			
Zone Pay/Travel/Subsistence	1					\$ -	\$ -	0	0			
Truck Surcharge, Fuel	1					\$ -	\$ -	0	0			
Material Handling	1					\$ -	\$ -	0	0			
Crane	1					\$ -	\$ -	0	0			
Rentals Scissor Lift, Vermitties	1					\$ -	\$ -	0	0			
Special Tools	1					\$ -	\$ -	0	0			
Testing Duct, Water, Smoke, Fire, Life	1					\$ -	\$ -	0	0			
Controls - Sub - Name -	1					\$ -	\$ -	0	0			
Piping - Sub - Name -	1					\$ -	\$ -	0	0			
Insulator - Sub - Name -	1					\$ -	\$ -	0	0			
Air Balancing - Sub - Name -	1					\$ -	\$ -	0	0			
Permits/inspections	1					\$ -	\$ -	0	0			
Warranty	0.10					\$ 272.00	\$ -	0	0			
Shop Drawings/ As-Builts	1					\$ -	\$ -	0	0			
Start-Up	1					\$ -	\$ -	0	0			
Cal Green /LEEDS	1					\$ -	\$ -	0	0			
Job Site Costs	0.05					\$ 350.00	\$ -	0	0			
Foremen/Safety Meetings/Acceleration	1	SM			8.00	\$ -	\$ -	0	0		8	
Project Management	1	SM			16.00	\$ -	\$ -	0	0		16	
Sub Total						\$ 3,097.00	\$ -	-	57.00		\$ -	
Sales Tax & Labor Rates						10.00%	10.00%	\$ 65.00	\$ 75.00			
Sub Total With Tax & Labor Rates						\$ 3,406.70	\$ -	\$ -	\$ 4,275.00		\$ -	
10% Foreman			6.00		11.40				\$ 68.40			
15% General Foreman			9.00		4.75				\$ 42.75			
Sub Total						\$ 3,406.70	\$ -	\$ -	\$ 4,386.15		\$ -	
% Mark-up Labor, Materials & Equipment			15.0%			\$ 511.01	\$ -	\$ -	\$ 657.92		\$ -	
% Mark-up Sub Contractor			15.0%								\$ -	
Totals with Mark-up						\$ 3,917.71	\$ -	\$ -	\$ 5,044.07		\$ -	
Bond			0.00%								\$ 8,962	
Total with Bond											\$ -	
											\$ 8,962	
<b>Total All Sheets</b>											<b>\$ 8,962</b>	

Accepted By \_\_\_\_\_

Date \_\_\_\_\_

Agreed Amount \_\_\_\_\_





Estimate

7763

<b>Bill To:</b> Oltmans 10005 Mission Mill Rd Whittier, CA 90601	<b>Work Location:</b> Magnolia Science Academy 18220 Sherman Way Reseda, CA 91335
---	--

<b>Project:</b> Change Order: Fire Alarm System	<b>Estimate Date:</b> 10/17/19
---	--------------------------------

<b>Estimate #:</b> 7763	<b>Acct#:</b>
-------------------------	---------------

Qty	Part #	Manufacturer	Description	Price	Tax	Amount
11.00	FIRMMF301	Fire Lite Alarms	Mini Monitor Module	\$65.24	\$0.00	\$717.64
2.00	FIRCRF300	Firelite	Control Relay	\$101.49	\$0.00	\$202.98
4.00	FIRE1841K	Wire	18/4 Fire Wire 1000'	\$275.00	\$0.00	\$1,100.00
		Installation Labor	Labor to install	\$3,800.00	\$0.00	\$3,800.00

Subtotal:	\$5,820.62
Tax:	\$0.00
<b>Total:</b>	<b>\$5,820.62</b>

Revised Change Order

IE Alarm is going to connect 11 duct detectors to our system with monitor modules.

We are to run the cable so the electrician can give 24VDC power.

We are to connect a fire door in the front area of the building and we are to relocate 7 existing smokes to follow the fire dampers.

Note: We have to remove ceiling tiles to run all cables to all the 20 devices.

This is based on the conversation dating September 18th, 2019 with Will Espinoza and Oltmans Construction.

Clarifications:

1. Work to be performed during normal business hours
2. Pricing includes (01) year warranty on all part and labor
3. All high voltage power to be provided by others (if required)
4. Network connections or PC/Servers to be provided by others (if required)
5. Painting and patch work is excluded
6. Bid, Performance and Payment Bond Fees not included

Terms:

1. Pricing valid for 60 days
2. Equipment ordered may be subject to 20% restocking fee
3. All invoices are due and payable to IE Alarm Systems within thirty days of receipt. Final payment shall be made within thirty days of completion.

Accepted by: \_\_\_\_\_ Date / / Title: \_\_\_\_\_

To pay by Visa or Mastercard:

Name on Card \_\_\_\_\_ Card # \_\_\_\_\_ Exp \_\_\_\_\_

This quotation is based on our best assessment and understanding of the needs for this project. Additional items, devices, or controls that may be required should be considered an extra unless specifically agreed to in writing. This quotation includes only those devices listed and services listed above. Troubleshooting of existing problems and problems associated with the installation activities by others will be billed at the current rate of troubleshooting. This quotation is valid for 30 days.





**Estimate**

7764

<b>Bill To:</b> Oltmans 10005 Mission Mill Rd Whittier, CA 90601	<b>Work Location:</b> Magnolia Science Academy 18220 Sherman Way Reseda, CA 91335
---	--

<b>Project:</b> Change Order: Fire Alarm System	<b>Estimate Date:</b> 10/8/19
<b>Estimate #:</b> 7764	<b>Acct#:</b>

Qty	Part #	Manufacturer	Description	Price	Tax	Amount
		Installation Labor	Labor to install	\$3,420.00	\$0.00	\$3,420.00

Subtotal: \$3,420.00  
Tax: \$0.00  
**Total: \$3,420.00**

Change Order  
After hour inspections/ Saturdays required from electrical inspector.

Break Down of Fire Inspections and Mechanical Inspections:

- 9/12/2019: Tech on site 6 hours with Mechanical Inspector. Overlooked the Duct Detectors.
- 9/13/2019: 8 hours each tech: 16 hours total. Fire Inspection for full system with Inspector. Requested by Oltmans.
- 9/16/2019: 2 Hours 1 tech on site: After hour inspection with Inspector due to school already open.
- 10/11/19: 4 Hours each tech: 8 hours total. On site with Mechanical Inspector. Final
- 10/21/2019: 4 Hours 1 tech: Full Final Fire Inspection with Inspector.

Clarifications:

1. Work to be performed during normal business hours
2. Pricing includes (01) year warranty on all part and labor
3. All high voltage power to be provided by others (if required)
4. Network connections or PC/Servers to be provided by others (if required)
5. Painting and patch work is excluded
6. Bid, Performance and Payment Bond Fees not included

Terms:

1. Pricing valid for 60 days
2. Equipment ordered may be subject to 20% restocking fee
3. All invoices are due and payable to IE Alarm Systems within thirty days of receipt. Final payment shall be made within thirty days of completion.

Accepted by: \_\_\_\_\_ Date / / Title: \_\_\_\_\_

To pay by Visa or Mastercard:

Name on Card \_\_\_\_\_ Card # \_\_\_\_\_ Exp \_\_\_\_\_

This quotation is based on our best assessment and understanding of the needs for this project. Additional items, devices, or controls that may be required should be considered an extra unless specifically agreed to in writing. This quotation includes only those devices listed and services listed above. Troubleshooting of existing problems and problems associated with the installation activities by others will be billed at the current rate of troubleshooting. This quotation is valid for 30 days.



**Estimate**

7613

<b>Bill To:</b> Oltmans 10005 Mission Mill Rd Whittier, CA 90601	<b>Work Location:</b> Magnolia Science Academy 18220 Sherman Way Reseda, CA 91335
---	--

**Project:** Change Order 2: Add Devices **Estimate Date:** 8/22/19

**Estimate #:** 7613 **Acct#:**

Qty	Part #	Manufacturer	Description	Price	Tax	Amount
16.00	FIRCRF300	Firelite	Control Relay	\$101.49	\$0.00	\$1,623.84
13.00	FIRSD355	Fire Lite Alarms	Address P/E Smoke Detector	\$97.14	\$0.00	\$1,262.82
13.00	FIRB210LP	System Sensor	Base for Smoke detector	\$23.19	\$0.00	\$301.47
1.00	Misc Material	Misc Material	Misc Material	\$300.00	\$0.00	\$300.00
13.00	CAD512	Caddie	Hanger bar for dropped ceiling	\$17.40	\$0.00	\$226.20
8.00	GEN41071104	Genesis Cable	18/4 1000ft	\$207.34	\$0.00	\$1,658.72
4.00	ARLDR3	Arlington Industries	7/8" Drive Ring - 50PK	\$30.00	\$0.00	\$120.00
1.00	UL	UL Certificate	Fire Alarm System Certificate	\$450.00	\$0.00	\$450.00
		Installation Labor	Labor to install	\$5,985.00	\$0.00	\$5,985.00
1.00		Design and Engineering of Plans	Fire Alarm Plans	\$1,500.00	\$0.00	\$1,500.00
		Plan Check Fees	Permits/Inspections	\$1,500.00	\$0.00	\$1,500.00
		Installation Labor	Labor to install/ Overtime rate	\$1,425.00	\$0.00	\$1,425.00

Subtotal:	\$16,353.05
Tax:	\$0.00
<b>Total:</b>	<b>\$16,353.05</b>



**Estimate**

7613

**Bill To:**

Oltmans  
10005 Mission Mill Rd  
Whittier, CA 90601

**Work Location:**

Magnolia Science Academy  
18220 Sherman Way  
Reseda, CA 91335

IE Alarm Systems is to add devices per the mechanical inspector.

We are to add the following equipment:

- 16 Fire Lite Control Relays
- 13 Smoke Address Fire Lite
- 16 4s Boxes
- 200ft of conduit
- 13 T Bar Brackets
- 8 18/4 1000ft
- 200 drive rings 7/8

Electrician is to provide MR 101 Relays for shutdown of AC Units.

Added Overtime Hours for 3 techs for 10 hours total.

\*Scope may change pending mechanical inspector\*

**Clarifications:**

1. Work to be performed during normal business hours
2. Pricing includes (01) year warranty on all part and labor
3. All high voltage power to be provided by others (if required)
4. Network connections or PC/Servers to be provided by others (if required)
5. Painting and patch work is excluded
6. Bid, Performance and Payment Bond Fees not included

**Terms:**

1. Pricing valid for 60 days
2. Equipment ordered may be subject to 20% restocking fee
3. All invoices are due and payable to IE Alarm Systems within thirty days of receipt. Final payment shall be made within thirty days of completion.

Accepted by: \_\_\_\_\_ Date / / Title: \_\_\_\_\_

To pay by Visa or Mastercard:

Name on Card \_\_\_\_\_ Card # \_\_\_\_\_ Exp \_\_\_\_\_

This quotation is based on our best assessment and understanding of the needs for this project. Additional items, devices, or controls that may be required should be considered an extra unless specifically agreed to in writing. This quotation includes only those devices listed and services listed above. Troubleshooting of existing problems and problems associated with the installation activities by others will be billed at the current rate of troubleshooting. This quotation is valid for 30 days.

**PAC****PREMIER  
ACOUSTICS, Inc.****Lic # 949939****CO #003****Change Order Request****JOB SITE:** Magnolia Science Academy  
18220 West Sherman Way  
Reseda, CA 91335**TO:** Oltmans Construction Co.  
P.O. Box 985  
Whittier, CA 90608-0985**DATE:** September 19, 2019  
**PER:** Dino Molles  
**RE:****ATTN:****PROPOSED CHANGE:**

- EWO 5583 – Replace and re-seat ceiling tile damage and/or removed by other trades.

<b>ADD FOR LABOR AND MATERIAL</b>	<b>\$2,487.00</b>
<b>TOTAL</b>	<b>\$2,487.00</b>

**NOTE:****Accepted By:**  
Premier Acoustics, Inc.**Accepted By:**Kristina WalshSeptember 19, 2019

Date

Date





PREMIER  
ACOUSTICS, INC.

1709 Rimpau Ave. Suite 108  
Corona, CA 92881  
Office: (951) 277-3547  
Fax: (951) 277-3523  
Cell: (661) 857-3013  
Lic#949939

**EXTRA  
WORK  
ORDER**

No. 5583

JOB NAME: Magnolia Science Academy  
ADDRESS/FLOOR: 18220 Sherman way Reseda  
LOCATION/CITY: Reseda  
Contractor or Owner to bill: Altman's

JOB # 4-78-18(18-377)  
CUSTOMER JOB # 18049  
WORK ORDER/P.O. # 3

The undersigned representative authorizes the work described as follows:

Replace and resat ceiling Tile. Damage by other Trades

Workers Name	W/E	M	T	W	T	F	S	S	Total	S/T	1½	D/T	Amount
Jose Magna	9/15/19				8	7			15	102.00			1,530.00

MATERIALS USED: (Description)	Unit	Amount
11 Boxes of Tile HHF-497 HURC # 639650-	87.00	957.00

DATE: 9-13-19

REPRESENTATIVE Jose Magna  
AUTHORIZED REPRESENTATIVE OF CONTRACTOR/OWNER [Signature]

BILLING RECAP:	
MATERIAL TOTAL	\$ 957.00
LABOR TOTAL	\$ 1,530.00
TOTAL BILLING	\$ 2,487.00



*"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: 38

Date: 10/2/2019

Description: SCOPE:

Electrical Construction: This Change Order Request is for the Added SOW to Install (1) 300A Transformer for the Duct Detectors. 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



Since 1980

"Building a Safe & Secure Southern California"

**Change Order Request Form**

Customer Oltmans Construction

Project: Magnoila Science Academy

Job Number: E129718

Date: 10/18/19 COR 38

**This COR is for the Added SOW to Install (1) 300amp Transformer for the Duct Detector.**

**Labor Costs**

Position	Hours Worked	Hourly Rate	OT Hours	OT Rate	Total Cost
Journeyman		\$ 85.00		\$ 127.50	\$ -
Foreman	6	\$ 95.00		\$ 142.50	\$ 570.00
Superintendent	3	\$ 105.00		\$ 157.50	\$ 315.00
<b>Mark Up 10%</b>					<b>\$ 88.50</b>
<b>Total Labor Costs</b>					<b>\$ 973.50</b>

**Material Costs**

see material breakout report attached	\$ 238.94
<b>Subtotal</b>	<b>\$ 238.94</b>
<b>Sales Tax 8%</b>	<b>\$ 19.12</b>
<b>Mark Up 10%</b>	<b>\$ 25.81</b>
<b>Total</b>	<b>\$ 283.86</b>

**Equipment Costs**

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

**Subcontractors**

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

**Total Daily Change Order Due \$ 1,257.36**

**NOTES**

Item				Material
Size	Item Desc	Qty	UOM	Mat Ext
<b>Section : Section 001: BR PWR - INSTALL OF TRANSFORMER</b>				
	38AST MC CONNECTOR	2.00	EACH	2.54
	12X12X8 PULL CAN	1.00	EACH	37.80
	300V TRANSFORMER	1.00	EACH	198.60
Subtotals for Section : Section 001: BR PWR - INSTALL OF TRANSFORMER				238.94
Grand Totals				238.94



# Safeway ELECTRIC

a division of Safeway Building Systems, Inc.

T&M

Since 1980

## Additional Work Daily Report

Date: 10/7/19

Day of week: Monday

Project name:

MSA

Job#

E129716

Description of work:

Installed transformer ear duct detectors.

Safeway Electric Labor Name	Regular Hrs worked	OT Hrs worked	Safeway Electric Labor Name	Regular Hrs worked	OT Hrs Worked
Trevor Docub	4				
Drive Time	2				
Carlos Bedoy	3				

Qty materials used:

Description of materials:

1  
1  
2

12 x 12 x 8 Nema 1 pull can  
300 VA Transformer  
Single Breaker MC cable MC connector

Contractor Signature

Date: 10-7-19



*"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: 36 RFI 240

Date: 8/28/2019

Description: SCOPE:

Electrical Construction: This Change Order Request is for the Added SOW to Install Back Boxes and Wire for the Relays to Control the Fire Smoke Dampers. 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



Since 1980

"Building a Safe & Secure Southern California"

**Change Order Request Form**

Customer Oltmans Construction Project: Magnolia Science Academy  
 Job Number: E129718  
 Date: 8/28/19 COR 36 RFI 240

This COR is for the Added SOW Pursuant to RFI 240 Response.  
 The following SOW will be performed:

1. Installation of (3) back boxes and wire for (3) relays (Not provided by Safeway) to control the fire smoke dampers.  
 Safeway to make line voltage connection ONLY to the noted relays.

Units will be shut down by FRM-1 relay which does not use high voltage. This will be provided and installed by the Fire Alarm Contractor.

**\*\*\*Safeway Electric excludes any fire alarm cabling, any raceway's for fire alarm cabling, any controls for relays or provision for fire alarm connection.\*\*\***

**Labor Costs**

Position	Hours Worked	Hourly Rate	OT Hours	OT Rate	Total Cost
Journeyman	10	\$ 85.00		\$ 127.50	\$ 850.00
Foreman		\$ 95.00		\$ 142.50	\$ -
Superintendent		\$ 105.00		\$ 157.50	\$ -
<b>Mark Up 10%</b>					<b>\$ 85.00</b>
<b>Total Labor Costs</b>					<b>\$ 935.00</b>

**Material Costs**

Materials	\$ 113.00
<b>Subtotal</b>	<b>\$ 113.00</b>
<b>Sales Tax 8%</b>	<b>\$ 9.04</b>
<b>Mark Up 10%</b>	<b>\$ 12.20</b>
<b>Total</b>	<b>\$ 134.24</b>

**Equipment Costs**

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

**Subcontractors**

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

**Total Daily Change Order Due \$ 1,069.24**

## Trevor Lawton

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**From:** Trevor Lawton  
**Sent:** Tuesday, October 1, 2019 4:27 PM  
**To:** 'Patrick Ontiveros'; Luis Sanchez  
**Cc:** Ronald Hyle; Elizabeth Lara; Johann Wang; Etmny Cornejo  
**Subject:** RE: MSA Duct Detectors

Hey Patrick,

Luis and I were able to get him on the phone yesterday. He confirmed the below.

Thanks.

**Trevor Lawton**  
Project Manager

**Oltmans Construction Co.**

T 562.948.4242, Ext. 3459  
C 916.276.7666

**From:** Patrick Ontiveros <pontiveros@magnoliapublicschools.org>  
**Sent:** Tuesday, October 1, 2019 1:15 PM  
**To:** Luis Sanchez <LuisS@oltmans.com>  
**Cc:** Trevor Lawton <TrevorL@oltmans.com>; Ronald Hyle <rsh345@sbcglobal.net>; Elizabeth Lara <ElizabethL@oltmans.com>; Johann Wang <johann@francoarchitects.com>; Etmny Cornejo <etmny@francoarchitects.com>  
**Subject:** Re: MSA Duct Detectors

Was this confirmed? Is this issue still outstanding or closed?

On Mon, Sep 30, 2019 at 3:31 PM Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)> wrote:

Can anyone call him to confirm? I am proceeding with duct detectors on units in rooms 100, 101, 102, 103, 104, 109, 110, 112, 113, 114 and second floor corridor near kitchen unit #200.

Thank you,

Luis Sanchez

Superintendent

Oltmans Construction Co.

T 562.948.4242

C 909.782.3306

---

**From:** Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>

**Sent:** Monday, September 30, 2019 2:38 PM

**To:** Ronald Hyle <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>

**Cc:** Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)>; Elizabeth Lara <[ElizabethL@oltmans.com](mailto:ElizabethL@oltmans.com)>; Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>; Johann Wang <[johann@francoarchitects.com](mailto:johann@francoarchitects.com)>; Etmny Cornejo <[etmny@francoarchitects.com](mailto:etmny@francoarchitects.com)>

**Subject:** MSA Duct Detectors

**Importance:** High

Ron,

I know you are working on the revised design, but in the meantime can you confirm that the 11 units that get duct detectors are the units that were listed in question one of RFI 240.

Thanks,

**Trevor Lawton**

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)

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**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."*

***"Strength does not come from physical activity. It comes from an indomitable will."*** – Mahatma Gandhi

## Trevor Lawton

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**From:** Patrick Ontiveros <pontiveros@magnoliapublicschools.org>  
**Sent:** Saturday, September 21, 2019 11:40 AM  
**To:** Luis Sanchez  
**Cc:** Anjana Bhowmik; Ed Sorbel; Elizabeth Lara; Trevor Lawton  
**Subject:** Re: MSA Fire Alarm and Mechanical Inspection

Thanks for the update. Very disappointing. Ron couldn't even try to defend his design?

On Sat, Sep 21, 2019 at 6:20 AM Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)> wrote:

They also said we need sediment traps at all units. This is work for the plumbers.

Thank you,

**Luis Sanchez**

Superintendent

**Oltmans Construction Co.**

[10005 Mission Mill Rd](#)

[Whittier Ca. 90601](#)

T 562.948.4242

C 909.782.3306

---

**From:** Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>  
**Sent:** Saturday, September 21, 2019 5:58 AM  
**To:** Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>; Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)>; Elizabeth Lara <[ElizabethL@oltmans.com](mailto:ElizabethL@oltmans.com)>; Anjana Bhowmik <[AnjanaB@oltmans.com](mailto:AnjanaB@oltmans.com)>; Ed Sorbel <[EdS@oltmans.com](mailto:EdS@oltmans.com)>  
**Subject:** MSA Fire Alarm and Mechanical Inspection

Patrick,

I just spoke to Luis and he told me that the inspectors were there today and said they want duct detectors on the 11 units, global shut down, and add some smokes at the remaining dampers. This is NOT what was shown in RFI 240. Ron Hyle was there with them and basically just went in agreement with the inspectors. RFI 240 is very clear about which units shut down, where to place smokes, and that duct detectors are not required. It appears that the response from Hyle Engineering to RFI 240 was incorrect. The mechanical and fire alarm subs are going to price and start gathering the materials and try to do all of this work next week with a reinspection again next Saturday. The inspectors confirmed a resubmission of the plans was NOT needed. That is good. They also confirmed that they would not hold up TCO over this.

Thanks,

Trevor

Sent from my Verizon, Samsung Galaxy smartphone

--

**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)

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

***"Strength does not come from physical activity. It comes from an indomitable will."*** – Mahatma Gandhi



## Trevor Lawton

---

**From:** rsh345 <rsh345@sbcglobal.net>  
**Sent:** Wednesday, August 21, 2019 7:06 PM  
**To:** Trevor Lawton  
**Subject:** RE: Corrections Round 3/RFI 214

**Categories:** Archived

**NO duct detectors.** One detector in admin. and if smoke detector in the room is close to smoke fire damper then only that detector is required.

Sent from my Sprint Samsung Galaxy® Not

----- Original message -----

**From:** Trevor Lawton <TrevorL@oltmans.com>  
**Date:** 8/21/19 3:39 PM (GMT-08:00)  
**To:** Ronald Hyle <rsh345@sbcglobal.net>  
**Cc:** Luis Sanchez <LuisS@oltmans.com>, Johnny Contreras <johnny@cbhvac.com>, Carlos Bedoy <cbedoy@safewaybsi.com>, Elizabeth Lara <ElizabethL@oltmans.com>, Johann Wang <johann@francoarchitects.com>, John Flores <JohnF@oltmans.com>, William Espinoza <will@iealarm.com>, Patrick Ontiveros <pontiveros@magnoliapublicschools.org>  
**Subject:** RE: Corrections Round 3/RFI 214

Hey Ron,

We didn't get a sketch yesterday. Can you or Johann send that?

Just to be clear, area smoke detectors for the units you listed (AHUs 101,102,103,104,109,110,112,113 and 114) were all that was needed, not the duct detectors too and smokes within 5' of the SFD's.

Also, you were going to ask the mechanical inspector if one area detector in the middle of the admin room 109 for that area would suffice or if they were required in each of the admin offices too. What did he say about that?

Thank you,

**Trevor Lawton**

Project Manager

**Oltmans Construction Co.**

T 562.948.4242, Ext. 3459

C 916.276.7666

---

**From:** Ronald Hyle <rsh345@sbcglobal.net>  
**Sent:** Wednesday, August 21, 2019 2:24 PM  
**To:** Trevor Lawton <TrevorL@oltmans.com>  
**Cc:** Luis Sanchez <LuisS@oltmans.com>; Johnny Contreras <johnny@cbhvac.com>; Carlos Bedoy <cbedoy@safewaybsi.com>; Elizabeth Lara <ElizabethL@oltmans.com>; Johann Wang <johann@francoarchitects.com>; John Flores <JohnF@oltmans.com>; William Espinoza <will@iealarm.com>; Patrick Ontiveros <pontiveros@magnoliapublicschools.org>  
**Subject:** Re: Corrections Round 3/RFI 214

I met with the inspector this morning at 7. I sent a text to Johnny at 8+ he had no problem with installing area detectors and connecting them to the main panel and providing a global shutdown whenever one of the detectors senses smoke. See Electrical Engineers sketch sent yesterday.

He also said that the gas approval will not be given until the approval for the fume hood is made and the ceiling is closed.

He also said that the condensate pumps should have a disconnect switch and not a plug above the ceiling. Electrical inspector question not his. A switch should be installed for maintenance.

Please confirm receipt.

Ron

[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)

Hyle Engineering Co. Inc. Ronald S. Hyle, Owner, Environmental Engineer, LEED Green Associate, 818-996-5069, Cell: 818-674-1592.

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On Wednesday, August 21, 2019, 10:01:11 AM PDT, Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)> wrote:

Ron,

What's the update from counter visit this morning?

Thanks

Trevor

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>

Date: 8/20/19 5:58 PM (GMT-08:00)

To: Ronald Hyle <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>

Cc: Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)>, Johnny Contreras <[johnny@cbhvac.com](mailto:johnny@cbhvac.com)>, Carlos Bedoy <[cbedoy@safewaybsi.com](mailto:cbedoy@safewaybsi.com)>, Elizabeth Lara <[ElizabethL@oltmans.com](mailto:ElizabethL@oltmans.com)>, Johann Wang <[johann@francoarchitects.com](mailto:johann@francoarchitects.com)>, John Flores <[JohnF@oltmans.com](mailto:JohnF@oltmans.com)>, William Espinoza <[will@iealarm.com](mailto:will@iealarm.com)>, Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>

Subject: RE: Corrections Round 3/RFI 214

Ron,

Per our meeting yesterday, in addition to the inspector clarifications, you were going to send the write up to the EEOR for him to generate a sketch for the panel relays. Is that with the EEOR now for him to generate his information?

Thanks,

**Trevor Lawton**

Project Manager

**Oltmans Construction Co.**

T 562.948.4242, Ext. 3459

C 916.276.7666

---

**From:** Ronald Hyle <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>  
**Sent:** Tuesday, August 20, 2019 12:55 PM  
**To:** Johann Wang <[johann@francoarchitects.com](mailto:johann@francoarchitects.com)>; John Flores <[JohnF@oltmans.com](mailto:JohnF@oltmans.com)>; William Espinoza <[will@iealarm.com](mailto:will@iealarm.com)>; Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>; Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>  
**Cc:** Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)>; Johnny Contreras <[johnny@cbhvac.com](mailto:johnny@cbhvac.com)>; Carlos Bedoy <[cbedoy@safewaybsi.com](mailto:cbedoy@safewaybsi.com)>  
**Subject:** Re: Corrections Round 3/RFI 214

Thanks

Please confirm receipt.

Ron

[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)

Hyle Engineering Co. Inc. Ronald S. Hyle, Owner, Environmental Engineer, LEED Green Associate, 818-996-5069, Cell: 818-674-1592.

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On Tuesday, August 20, 2019, 12:37:37 PM PDT, Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)> wrote:

Between 7 and 8 am.

6262 Van Nuys Blvd

2nd Floor

Van Nuys, CA 91401

**Patrick Anton C. Ontiveros, Esq.**

Office: (213) 628-3634 ext. 103

Mobile: (323) 490-0701

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

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**From:** Ronald Hyle <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>

**Date:** Tuesday, August 20, 2019 at 11:48 AM

**To:** Johann Wang <[johann@francoarchitects.com](mailto:johann@francoarchitects.com)>, John Flores <[JohnF@oltmans.com](mailto:JohnF@oltmans.com)>, William Espinoza <[will@iealarm.com](mailto:will@iealarm.com)>, Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>, Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>

**Cc:** Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)>, Johnny Contreras <[johnny@cbhvac.com](mailto:johnny@cbhvac.com)>, Carlos Bedoy <[cbedoy@safewaybsi.com](mailto:cbedoy@safewaybsi.com)>

**Subject:** Re: Corrections Round 3/RFI 214

I'll go in the morning. What time are counter hours and where?

Please confirm receipt.

Ron

[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)

Hyle Engineering Co. Inc. Ronald S. Hyle, Owner, Environmental Engineer, LEED Green Associate, 818-996-5069, Cell: 818-674-1592.

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On Tuesday, August 20, 2019, 11:31:57 AM PDT, Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)> wrote:

Hello Ron,

Time is of the essence. Please go to the inspection office during counter hours to get a response.

**Patrick Anton C. Ontiveros, Esq.**

Office: (213) 628-3634 ext. 103

Mobile: (323) 490-0701  
[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)

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**From:** Ronald Hyle <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>  
**Date:** Tuesday, August 20, 2019 at 10:10 AM  
**To:** Johann Wang <[johann@francoarchitects.com](mailto:johann@francoarchitects.com)>, John Flores <[JohnF@oltmans.com](mailto:JohnF@oltmans.com)>, William Espinoza <[will@iealarm.com](mailto:will@iealarm.com)>, Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>  
**Cc:** Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>, Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)>, Johnny Contreras <[johnny@cbhvac.com](mailto:johnny@cbhvac.com)>, Carlos Bedoy <[cbedoy@safewaybsi.com](mailto:cbedoy@safewaybsi.com)>  
**Subject:** Re: Corrections Round 3/RFI 214

I called again this morning at 8AM. I was in my office at 7AM. He didn't answer nor did he call.

Please confirm receipt.

Ron

[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)

Hyle Engineering Co. Inc. Ronald S. Hyle, Owner, Environmental Engineer, LEED Green Associate, 818-996-5069, Cell: 818-674-1592.

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On Tuesday, August 20, 2019, 08:45:23 AM PDT, Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)> wrote:

Ron,

Did you talk to the inspector this morning and get the parameters clarified on what needs to happen? This is HOT.

Thank you,

**Trevor Lawton**

Project Manager

**Oltmans Construction Co.**

T 562.948.4242, Ext. 3459

C 916.276.7666

---

**From:** rsh345 <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>  
**Sent:** Monday, August 19, 2019 1:29 PM  
**To:** Johann Wang <[johann@francoarchitects.com](mailto:johann@francoarchitects.com)>; John Flores <[JohnF@oltmans.com](mailto:JohnF@oltmans.com)>; William Espinoza <[will@iealarm.com](mailto:will@iealarm.com)>  
**Cc:** Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>; Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>; Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)>; Johnny Contreras <[johnny@cbhvac.com](mailto:johnny@cbhvac.com)>; Carlos Bedoy <[cbedoy@safewaybsi.com](mailto:cbedoy@safewaybsi.com)>  
**Subject:** Re: Corrections Round 3/RFI 214

I called the inspector Kiven Brown, left a message to call me asap.



Sent from my Sprint Samsung Galaxy® Note 4.

----- Original message -----

From: Ronald Hyle <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>

Date: 8/16/19 9:52 AM (GMT-08:00)

To: Johann Wang <[johann@francoarchitects.com](mailto:johann@francoarchitects.com)>, John Flores <[JohnF@oltmans.com](mailto:JohnF@oltmans.com)>, William Espinoza <[will@icalarm.com](mailto:will@icalarm.com)>

Cc: Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>, Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>, Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)>, Johnny Contreras <[johnny@cbhvac.com](mailto:johnny@cbhvac.com)>, Carlos Bedoy <[cbedoy@safewaybsi.com](mailto:cbedoy@safewaybsi.com)>

Subject: Re: Corrections Round 3/RFI 214

I talked with the inspector this morning and indicated that if the space is not covered by area smoke detector's then the HVAC that has a common outside system is considered one system therefore that system will require a smoke detector in each unit.

Even though the building is sprinkled smoke detections are still required with-in 5 feet of smoke-fire dampers. Not required in ducts that pass through corridors because that duct only requires a fire damper.

It appears that AHU's 101,102,103,104,109,110,112,113 and 114 would require duct smoke detectors, unless there is an area smoke detector in each one of the spaces served by the unit.

Please confirm receipt.

Ron

[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)

Hyle Engineering Co. Inc. Ronald S. Hyle, Owner, Environmental Engineer, LEED Green Associate, 818-996-5069, Cell: 818-674-1592.

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On Thursday, August 15, 2019, 09:17:31 PM PDT, William Espinoza <[will@iealarm.com](mailto:will@iealarm.com)> wrote:

Good evening team.

The fire dept did not require area coverage with smokes due to the fact that it's a fully sprinkled bldg.

Thank you.

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: Ronald Hyle <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>

Date: 8/15/19 9:14 AM (GMT-08:00)

To: Johann Wang <[johann@francoarchitects.com](mailto:johann@francoarchitects.com)>, John Flores <[JohnF@oltmans.com](mailto:JohnF@oltmans.com)>

Cc: Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>, Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>, Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)>, Johnny Contreras <[johnny@cbhvac.com](mailto:johnny@cbhvac.com)>, William Espinoza <[will@iealarm.com](mailto:will@iealarm.com)>, Carlos Bedoy <[cbedoy@safewaybsi.com](mailto:cbedoy@safewaybsi.com)>

Subject: Re: Corrections Round 3/RFI 214

Have area smoke detectors been installed?

Please confirm receipt.

Ron

[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)

Hyle Engineering Co. Inc. Ronald S. Hyle, Owner, Environmental Engineer, LEED Green Associate, 818-996-5069, Cell: 818-674-1592.

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On Thursday, August 15, 2019, 06:48:15 AM PDT, John Flores <[JohnF@oltmans.com](mailto:JohnF@oltmans.com)> wrote:

Ron,

To be quite frank:

- 1) No I did not as I have been playing catchup for two months and this appears to be a note for rough in. The building was already dry walled and being painted when I started.
- 2) Why would a Superintendent without credentials facilitate anything to change approved LADBS documents except through the RFI process.
- 3) These are not Design Build documents
- 4) I'm positive LADBS does not have the time to "round table" approval of changes at the job site for any changes and/or potential changes. Trust me they barely have time for inspections.
- 5) I don't think that note pertains to the mechanical correction issue at hand.

I'm sure any and all changes for this project went through the RFI process. I'm not sure why you are quoting that note. It has nothing to do with the issue at hand nor the previously answered RFI. But If you wish to discuss this note and/or any other notes you can contact me anytime. Thanks for the heads up.

**Best Regards,**

**John V. Flores**

Superintendent

**Oltmans Construction Co.**

T 562.948.4242

C 951.282.8206

---

**From:** Ronald Hyle <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>  
**Sent:** Wednesday, August 14, 2019 2:21 PM  
**To:** Johann Wang <[johann@francoarchitects.com](mailto:johann@francoarchitects.com)>; John Flores <[JohnF@oltmans.com](mailto:JohnF@oltmans.com)>  
**Cc:** Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>; Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>; Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)>; Johnny Contreras <[johnny@cbhvac.com](mailto:johnny@cbhvac.com)>; William Espinoza <[will@iealarm.com](mailto:will@iealarm.com)>; Carlos Bedoy <[cbedoy@safewaybsi.com](mailto:cbedoy@safewaybsi.com)>  
**Subject:** Re: Corrections Round 3/RFI 214

John,

Have you seen sheet A3.2? A3.2 General Note #7

Please confirm receipt.

Ron

[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)

Hyle Engineering Co. Inc. Ronald S. Hyle, Owner, Environmental Engineer, LEED Green Associate, 818-996-5069, Cell: 818-674-1592.

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On Wednesday, August 14, 2019, 01:36:51 PM PDT, Ronald Hyle <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)> wrote:

If there are no area smoke detectors, corridors, classrooms, etc. then smoke are required within five feet of the smoke/fire dampers. Check with Architect and Sprinkler contractor, and Electrical Engineer.

Please confirm receipt.

Ron

[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)

Hyle Engineering Co. Inc. Ronald S. Hyle, Owner, Environmental Engineer, LEED Green Associate, 818-996-5069, Cell: 818-674-1592.

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On Wednesday, August 14, 2019, 07:37:57 AM PDT, John Flores <[JohnF@oltmans.com](mailto:JohnF@oltmans.com)> wrote:

Team,

Attached is the correction notice from yesterday. Please address

**Best Regards,**

**John V. Flores**

Superintendent

**[Oltmans Construction Co.](#)**

T 562.948.4242

C 951.282.8206

---

**From:** John Flores

**Sent:** Tuesday, August 13, 2019 11:39 AM

**To:** Johann Wang <[johann@francoarchitects.com](mailto:johann@francoarchitects.com)>; 'rsh345@sbcglobal.net' <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>

**Cc:** Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>; 'Patrick Ontiveros' <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>; Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)>; 'Johnny Contreras' <[johnny@cbhvac.com](mailto:johnny@cbhvac.com)>; William Espinoza <[will@iealarm.com](mailto:will@iealarm.com)>; Carlos Bedoy <[cbedoy@safewaybsi.com](mailto:cbedoy@safewaybsi.com)>

**Subject:** Corrections Round 3/RFI 214

**Importance:** High

Ron,

The LAMS Smoke/Fire Damper Smoke Detection (Red Arrow) issue came up again today during overhead mechanical T-bar inspection. Please review and respond as soon as possible. There is a new correction notice forthcoming. Thanks in advance.

**Best Regards,**

**John V. Flores**

Superintendent

**[Oltmans Construction Co.](#)**

T 562.948.4242

C 951.282.8206

## Trevor Lawton

---

**From:** Trevor Lawton  
**Sent:** Saturday, September 21, 2019 5:58 AM  
**To:** Patrick Ontiveros; Luis Sanchez; Elizabeth Lara; Anjana Bhowmik; Ed Sorbel  
**Subject:** MSA Fire Alarm and Mechanical Inspection

Patrick,

I just spoke to Luis and he told me that the inspectors were there today and said they want duct detectors on the 11 units, global shut down, and add some smokes at the remaining dampers. This is NOT what was shown in RFI 240. Ron Hyle was there with them and basically just went in agreement with the inspectors. RFI 240 is very clear about which units shut down, where to place smokes, and that duct detectors are not required. It appears that the response from Hyle Engineering to RFI 240 was incorrect. The mechanical and fire alarm subs are going to price and start gathering the materials and try to do all of this work next week with a reinspection again next Saturday. The inspectors confirmed a resubmission of the plans was NOT needed. That is good. They also confirmed that they would not hold up TCO over this.

Thanks,  
Trevor

Sent from my Verizon, Samsung Galaxy smartphone

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<b>SUBJECT:</b>	Mechanical Inspector Correction Notice	<b>DATE:</b>	08/22/2019
<b>PROJECT:</b>	Magnolia Science Academy	<b>PROJECT NO.:</b>	18049
		<b>REQUIRED:</b>	08/27/2019
<b>TO:</b>	Etmny Cornejo Franco Architects Inc.	<b>COST IMPACT:</b>	POTENTIALLY
		<b>DAYS IMPACT:</b>	POTENTIALLY
<b>FROM:</b>	Trevor Lawton Oltmans Construction Co.		

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<b>Co-Author:</b>	<b>Contact:</b>	<b>Co-Author RFI Number:</b>
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**Request:**

The City mechanical inspector issued the attached correction notice to the project. In order to close this item and provide the desired functions, please advise on each of the below items. Please note that time is of the essence on this RFI.

1. Please provide a list of room numbers that require area detectors.
  2. Please advise which units are to shut down when the fire alarm is triggered.
  3. The intent is to install area smoke detectors at the rooms provided in the response to the above question. Please confirm duct detectors are not required.
  4. Please advise if smoke detectors are to be installed within 5 feet of all fire smoke dampers.
  5. If smoke detectors are not to be installed within 5 feet of fire smoke dampers, is the fire alarm contractor to intercept the line voltage of the fire smoke dampers to shut the dampers.
  6. Please advise if a single smoke detector in the middle of admin room 109 is sufficient, or if smoke detectors in each of the rooms (105, 106, 107, 108, 109, 110) are required.
  7. Please advise of any shut off/area detector requirements on the corridors or second floor due to the shared atrium area.
  8. Please confirm the attached electrical engineer sketch is to be used at the electrical panels to shut down the necessary units.
- 

**Suggestion:**

---

**Answer:**  **Accept Suggestion**

1. From shop drawing SD-2.0, rooms 100,101,102,103,104,110,1109,112,113,114. From shop drawing SD-3.0, 1 smoke detector is required within five feet of the smoke/fire damper shown on the plan I've attached and the s/fd clouded.
  2. Shut down all the units as indicated in 1.
  3. Duct detectors are not required.
  4. Yes, on the second floor SD-3.0, near kitchen, see clouded.
  5. Yes.
  6. Only in room 109. return air from any of the other room will reach rm. smoke  
**Answered By:** detector.
  7. Smoke detector in corridor, second near kitchen will suffice.
  - Date:** 8. Confirmed. Please verify with electrical.
- 

**Distribution:** SEE ATTACHED REVISED SHOP DRAWINGS.





# NOT APPROVED - CORRECTION NOTICE

City of Los Angeles  
Department of Building and Safety

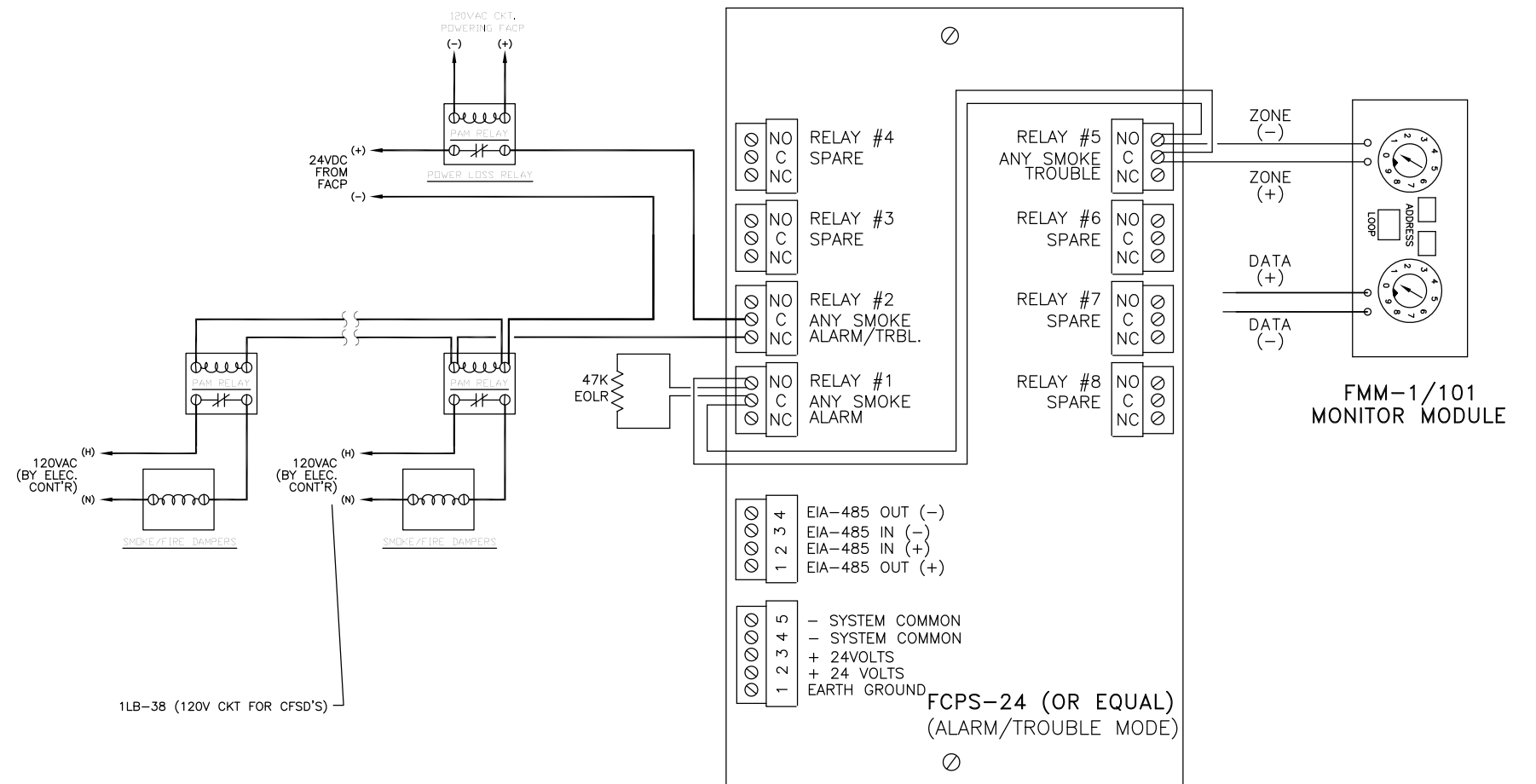
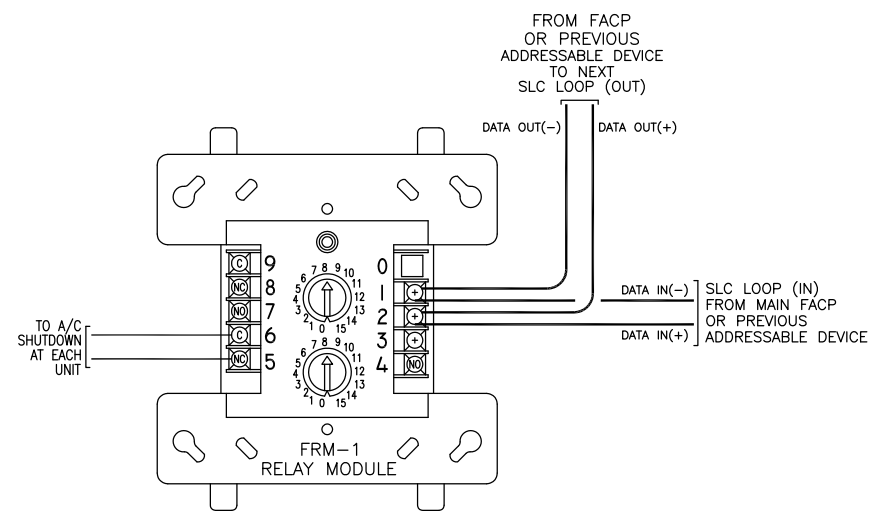
<b>JOB ADDRESS:</b> 18220 W SHERMAN WAY			<b>PERMIT #:</b> 17044-20000-07122	<b>CONFIRM #:</b> 25305989
<b>JOB DESCRIPTION:</b> HVAC			<b>FOR REINSPECTION CALL: (888)LA4-BUILD or 311</b>  <b>INSPECTOR: KEVIN BROWN</b>  <b>DISTRICT: HVACVN1</b>  <b>PHONE: (818) 374-1153</b>  <b>BUREAU: Inspection Bureau</b>  <b>DATE: 8/13/2019</b>	
<b>APPLICANT/AGENT:</b> CHRISTIAN BROTHERS MECHANICAL SERVICES INC				
<b>ADDRESS:</b> 11140 THURSTON LANE				
<b>CITY:</b> MIRA LOMA	<b>STATE:</b> CA	<b>ZIPCODE:</b> 91752		
<p>Before the work or installation authorized by this permit can be approved, concealed, energized, or used, the following deficiencies shall be corrected. Call for reinspection when all corrections have been made.</p>				
<p><b>PERMIT GROUP/TYPE/SUBTYPE: Mechanical/HVAC/Commercial</b> <b>INSPECTION TYPE: VENTILATION-Final</b></p>				
<p><b>VIOLATION NUMBER: 19-DMN-141-G-3346</b> <span style="float: right;">Date Issued: 8/14/2019</span> <span style="float: right;">Issued by</span>  <b>VIOLATION TYPE: LAMS Smoke/Fire Damper Smoke Detection</b>  <b>VIOLATION CODE SECTION: 95.606.1 LAMC</b>  <b>CODE LANGUAGE:</b> Provide duct detector within 5 feet of each smoke/fire damper in the airstream or provide full area coverage (716.3.2.1 CBC).  <b>VIOLATION NOTES:</b> Second</p>				
<p><b>VIOLATION NUMBER: 19-DMN-141-G-3410</b> <span style="float: right;">Date Issued: 8/14/2019</span> <span style="float: right;">Issued by</span>  <b>VIOLATION TYPE: Fan Shutdown</b>  <b>VIOLATION CODE SECTION: 95.609.0 LAMC</b>  <b>CODE LANGUAGE:</b> Provide duct detector in the main supply air plenum of all air moving systems in excess of 2000 CFM combined, such systems shall shutdown simultaneously without delay.  <b>VIOLATION NOTES:</b> Second</p>				

## DO NOT REMOVE THIS NOTICE

INSP/Form. 49e (1/11/2006)

<http://ladbs.org>

Information generated from mPower



1  
E-0.2

FRM-1 RELAY (OR EQUAL) MODULE WIRING (A/C SHUTDOWN)

2  
E-0.2

COMBINATION SMOKE FIRE DAMPER SUPERVISION WIRING DIAGRAM

**PROJECT:** Magnolia Science Academy**PROJECT NO.:** 18049**TO:** Franco Architects Inc.  
12345 Ventura Blvd.  
Suite H  
Studio City, CA 91604**DATE:** 03/19/2019**RE:** 15500-15 REVISED Shop Dwgs**ATTN:** Johann Wang

WE ARE SENDING:		SUBMITTED FOR:		ACTION TAKEN:	
<input checked="" type="checkbox"/>	Shop Drawings	<input checked="" type="checkbox"/>	Approval		Approved as Noted
	Letter		Your Use		Reviewed
	Prints		As Requested		Submit
	Change Order		Review and Comment		
	Plans				
	Samples				
	Specifications	<b>SENT VIA:</b>			
	Other:	<input checked="" type="checkbox"/>	Attached	<input type="checkbox"/>	Separate Cover
	Other:	Other: EMAIL			
<input checked="" type="checkbox"/>	Submittal:				

Line	Item	Package	Code	Rev.	Qty.	Date	Description	Status
1	Submittal	15500	15500-15	1	1	03/19/2019	REV SHOP DWGS S2.0, SD3.0, SD4.0	Received

**REMARKS:** Please find the attached revised shop drawings as discussed in field with Ronald Hyle and Johann Want.  
Revised drawing to reflect adjustments required to accommodate duct work throughout.

It includes 3 sheets S2.0, SD3.0, SD4.0 dated 3/4/19, received 3/19/19 by OCCO.

**CC:****FROM:** Elizabeth Lara**Revised**

08/22/2019 2:37:07 PM

**NO EXCEPTION TAKEN X**  
**MAKE CORRECTIONS NOTED \_\_\_\_\_**  
**REJECTED \_\_\_\_\_**  
**REVISE & RESUBMIT \_\_\_\_\_**  
**SUBMIT SPECIFIED ITEMS \_\_\_\_\_**

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Any action shown is subject to the requirements of the plans and specifications. Contractor is responsible for confirming and correlating all quantities and dimensions, fabrication processes and techniques of construction, coordination of his/her work with that of all other trades and the satisfactory performance of his/her work.

HYLE ENGINEERING CO. INC.

3-20-19

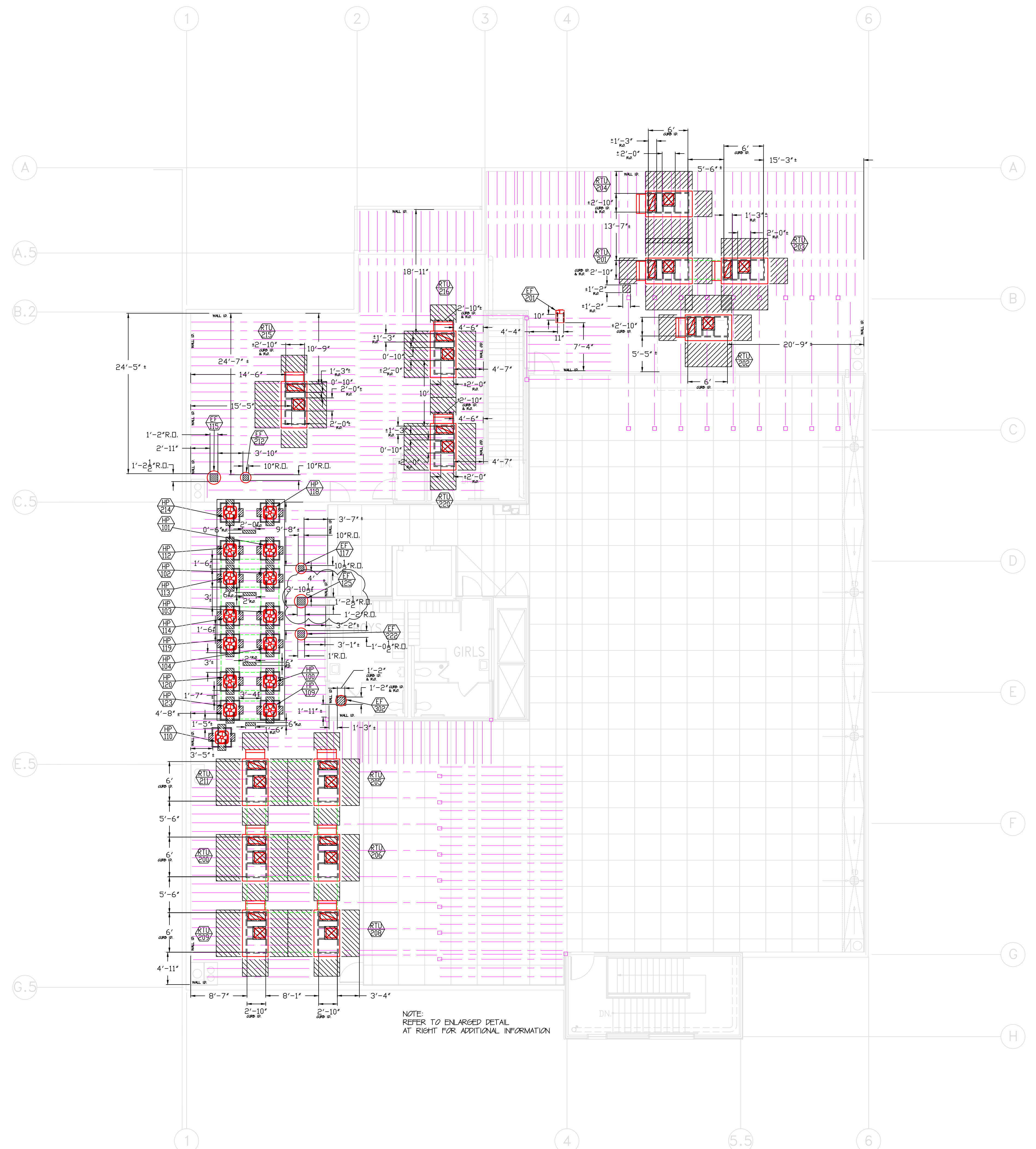
Date: \_\_\_\_\_ By: *Ronald S. Hyle*



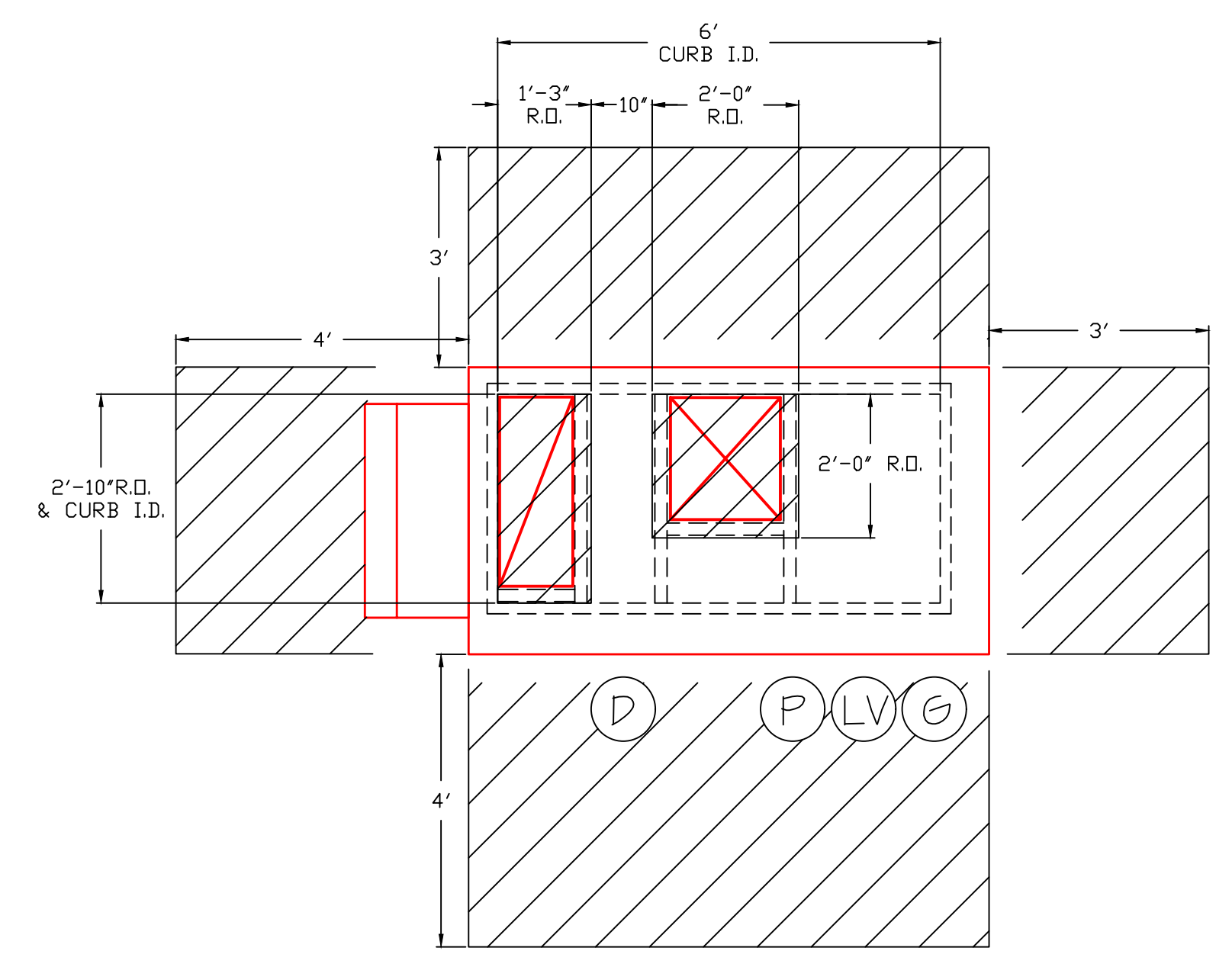
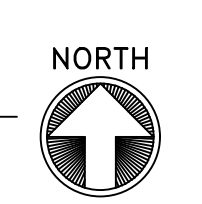




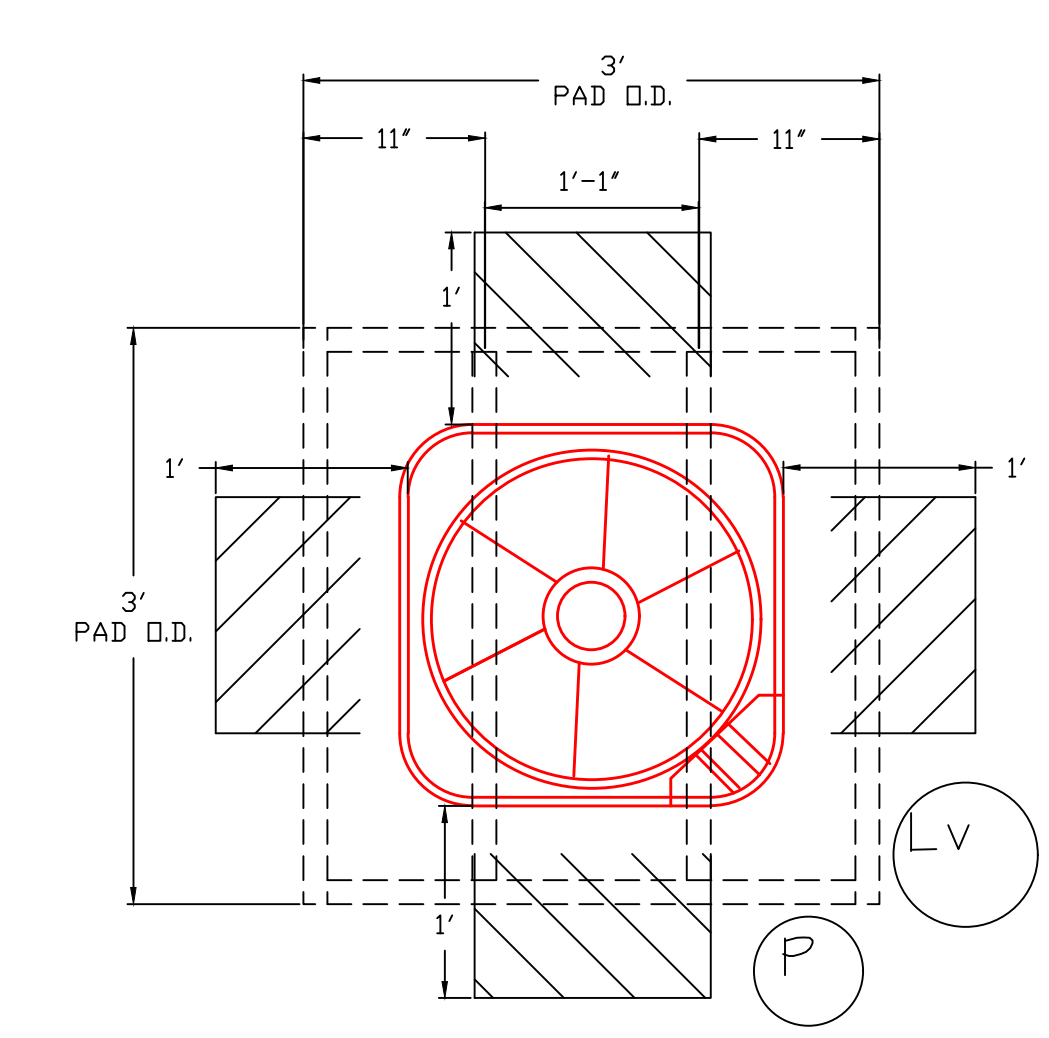




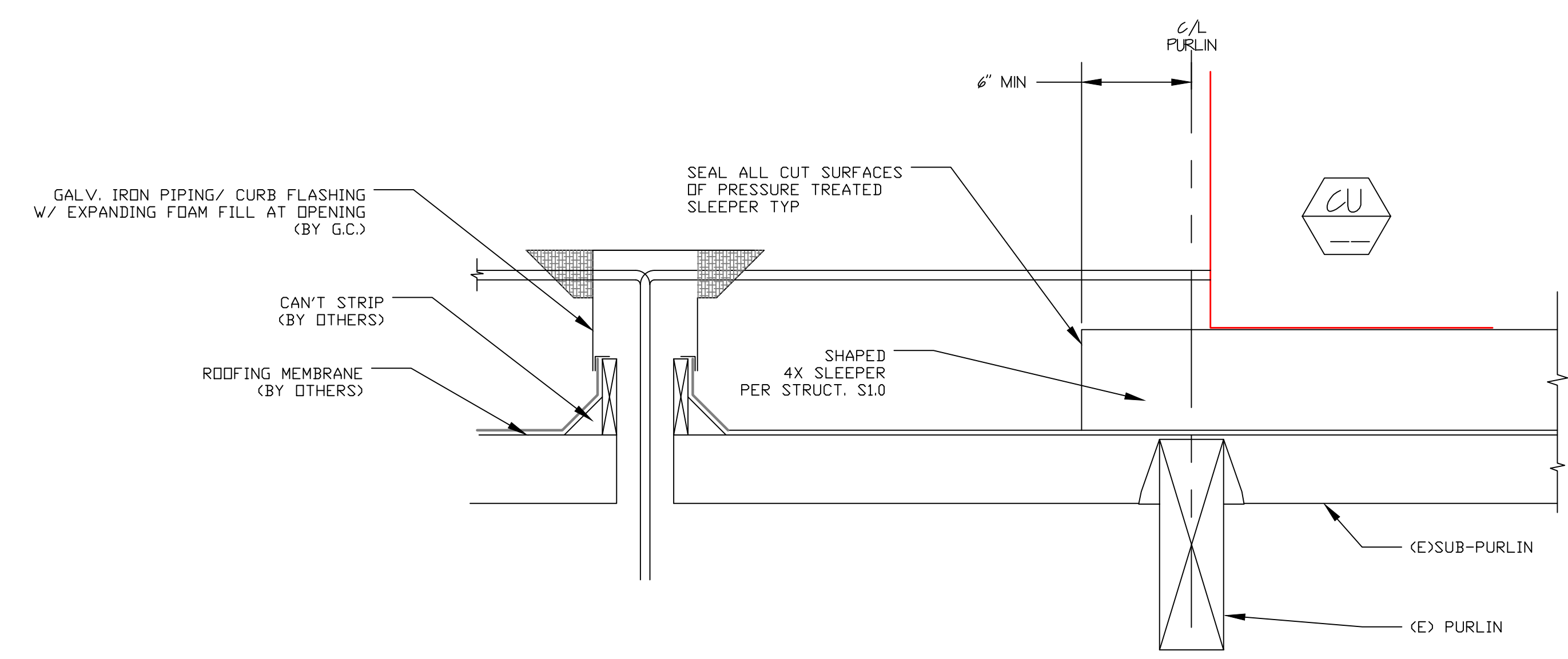
**ROOF H.V.A.C. PLAN**  
SCALE: 1/8" = 1'-0"



**RTU CURB DETAIL**  
SCALE: 1/2" = 1'-0"



**HEAT PUMP PLATFORM DETAIL**  
SCALE: 1" = 1'-0"



**CONDENSER PLATFORM DETAIL FOR HEAT PUMPS**  
SCALE: NONE

**Revised**  
08/22/2019 2:36:43 PM

Oltmans Construction Company  
Magnolia Science Academy  
SUBMITTAL NO: 15500-15  
SUBCONTRACTOR: Christian Brothers  
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: EL DATE: 3/19/19  
All Pages Reviewed

SHOP DRAWING FOR  
PLANS AND SPECS PROJECT

REVISIONS	DESCRIPTION	DATE



**Christian Brothers**  
Mechanical Services, Inc.  
11140 Thurston Lane, Mira Loma, CA 91752  
PH: (951) 361-2400 (2247) FAX: (951) 361-1881  
Lic. 499547

STAMP:

SHEET TITLE: **ROOF H.V.A.C. PLAN**  
PROJECT: **MAGNOLIA SCIENCE ACADEMY**  
1820 SHERMAN WAY RESEDA, CA 91335  
OWNER:

DATE:	03-04-19
SCALE:	AS NOTED
DRAWN BY:	--
CHECKED BY:	--
JOB NUMBER:	18-3023
SHEET NUMBER:	

**SD-4.0**

March 4, 2019

PCI 42



CONSTRUCTION CO.

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

POTENTIAL CHANGE ITEM

PCI042

**TITLE:** Extended General Conditions Reconciliation

**DATE:** 10/18/2019

**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 change order request includes costs associated with the extension of general conditions from the previously reconciled substantial completion date of July 2, 2019 to the actual substantial completion date of September 18, 2019. The project dates were impacted due to the delay in the release of power by DWP was energized on August 26, 2019 and the release of LADBS sign offs creating the substantial completion of September 18, 2019.

Vendor	Description	Amount
Built-Rite Fence Co.	Deduct of previously approved Proto II wall fence scope not done. See PCI 17 for reference.	-3,290.00
	<b>SUBTOTAL:</b>	<b>-3,290.00</b>
	Extended General Conditions from 7/2/19 - 9/18/19. See attached calculator for reference.	96,965.90
	Deduct of previously approved Proto II wall CMU scope not done. See PCI 17 for reference. Ross Concrete costs incurred for permit reconciled in PCI 43.	-37,928.08
	Bond	456.00
	Gross Tax	73.00
	GL	541.00
	SDI	697.00
	Fee	2,850.00
	<b>SUBTOTAL:</b>	<b>63,654.82</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>60,364.82</b>

**APPROVAL:**

Oltmans Construction Co.

**BY:** Trevor Lawton

**DATE:** 10/18/19

**APPROVAL:**

Magnolia Educational and Research

**BY:**

**DATE:**



## Oltmans General Conditions Calculator

Monthly General Conditions Per Bid: \$ 41,201.00 per month  
\$41,201/21.67 working days per month: \$ 1,901.29 per day

PCI 27 Revised Substantial Completion Date: July 2, 2019

Update of Substantial Completion: September 18, 2019

July 3, 2019 - September 18, 2019 (51) Total Days of General Conditions

\$1,901.29 x 51 days delay = \$ 96,965.90

Liability Insurance \$ -

OH&P \$ -

---

**Total \$ 96,965.90**

PCI 43



CONSTRUCTION CO.

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

POTENTIAL CHANGE ITEM

PCI043

**TITLE:** Added Electrical Scope at Existing Bldg (PCI LOG ITEM E)

**DATE:** 10/21/2019

**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 scope at the existing school building (not new construction project) as noted and logged on PCI Log item E and PCI 11 from running log for the project.

Added electrical added at the existing building as requested tracked on T&M to move conduit and repair the existing wall pack, SOW includes:

1. Provide and install (3) lamps into existing wall packs - T&M 10/8/18.
2. Provided material and labor to built rack and installed 2" conduit for low voltage on existing building - T&M 10/10/18, 10/17/18.
3. Removed existing 4" conduit and re-secured existing 1" conduit - T&M 11/2/18.
4. Installation of (1) 12x12x6 pull box to make complete connection from existing 4" conduit to new 2" conduit for telephone/data - T&M 10/24/18.

This PCI excludes any items not identified above.

Vendor	Description	Amount
Safeway Building Systems Inc.	Electrical to Existing Bldg: COR #8	2,918.00
	<b>SUBTOTAL:</b>	<b>2,918.00</b>
	Bond	24.00
	Gross Tax	4.00
	GL	29.00
	SDI	37.00
	Fee	150.00
	<b>SUBTOTAL:</b>	<b>244.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>3,162.00</b>

**APPROVAL:**

Oltmans Construction Co.

BY:   
Trevor Lawton

DATE: 10/29/19

**APPROVAL:**

Magnolia Educational and Research

BY:

DATE:

PCI Log item "E"  
Added scope to Existing Bldg.



*"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: 8

Date: 10/3/2018

Description: SCOPE:

Electrical Construction: This Change Order Request is for the Added SOW to move Conduit and Repair Existing Wall Pack. Please see breakdown attached.

**INCLUDES:**

This proposal includes all materials, tax, equipment, and labor as needed to provide a complete and operable system for work as described herein.

**EXCLUDES:**

Overtime

Shift work

Permits & Fees

Inclusions and Exclusions of the Original Executed Contract will apply to this cost estimate

Anything not expressly included above



*"Building a Safe & Secure Southern California"*

## Request For Change Order

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

Project: Oltmans Magnolia Science Cnt

---

The above work is subject to the same conditions as specified in the original contract unless otherwise stipulated.

Upon approval the sum of \$2,918.07 will be added to the contract price.

Original Contract	\$473,950.00
Other Approved Change Orders	\$10,847.53
Total Contract to Date	\$484,797.53
This Request	\$2,918.07
Other Pending Requests	\$80,431.99
Total Contract plus Pending RFCs	\$568,147.59

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Safeway Building Systems, Inc

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Oltmans Construction Co



JOB 2612 6169: MSA COR 8  
 ESTIMATE 1 4007:  
 DATA SET 11 CommTSC/EST/NECA 07/14...

PRINTED 11/5/2018 9:16:25 AM  
 MATERIAL Primary  
 LABOR Primary

NOTES

Item				Material
Size	Item Desc	Qty	UOM	Mat Ext
<b>Section : Section 001: BR PWR - MOVE CONDUIT/REPAIR WALL PACK</b>				
	TUBE OF SILICONE	1.00	EACH	7.33
	MH400U LAMPS	3.00	EACH	107.64
	2" RAIN TIGHT COUPLING	6.00	EACH	8.14
	2" EMT ELBOW	2.00	EACH	42.94
	2" STRUT STRAP	4.00	EACH	14.93
2"	EMT	40.00	FEET	132.48
4"	EMT STL RT INS CONN	1.00	EACH	65.82
5/8.	ALL THREAD ROD	10.00	FEET	14.40
	12X12X6 SCR-CVR BOX	1.00	EACH	30.20
Subtotals for Section : Section 001: BR PWR - MOVE CONDUIT/REPAIR WALL PACK				423.88
Grand Totals				423.88







TEM

Since 1951

# Safeway ELECTRIC

a division of Safeway Building Systems, Inc.

## Additional Work Daily Report

Date: 10/10/18  
 Day of week: Wednesday  
 Job#: E129718.C008.16908

Project name:

MSA

Description of work:

Built rack and installed 2" EMT for low voltage on existing building.

Safeway Electric Labor Name	Regular Hrs worked	OT Hrs worked	Safeway Electric Labor Name	Regular Hrs worked	OT Hrs Worked
Trevor Docir	1				
Howard Bell	4				
Chris Dillon	4				

Qty materials used:

Description of materials:

40'  
4  
10'  
4

2" EMT  
2" Push tight couplings  
1-5/8" Deep strut.  
2" strut straps.

Contractor Signature

Date:

10/10/2018

















a division of Safeway Building Systems, Inc.

T&M  
Existing Building  
Low voltage Conduit

Complete

Additional Work Daily Report

Date: 11/2/18

Day of week: Friday

Project name:

MSA

Job#

E129718.0005.16905

Description of work:

Removed existing 4" conduit. Re secured existing 1" conduit.

Safeway Electric Labor Name	Regular Hrs worked	OT Hrs worked	Safeway Electric Labor Name	Regular Hrs worked	OT Hrs Worked
Trevor Doci3	1				
Howard Bell	1				

Qty materials used:

Description of materials:

Contractor Signature 

Date: 11/2/2018

PCI 44

**TITLE:** Conduit Stubs at Future Pole Locations at Parking Lot

**DATE:** 10/21/2019

**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 furnish and install the electrical conduit stubs as follows:

Added scope conduit stubs to future pole locations at parking lot as discussed at OAC meeting dated 2/6/19 confirmed on RFI #160. No cost to relocation of pump power (RFI #160 question).

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

Vendor	Description	Amount
Safeway Building Systems Inc.	Electrical: COR 22	4,371.00
	<b>SUBTOTAL:</b>	<b>4,371.00</b>
	Bond	36.00
	Gross Tax	6.00
	GL	43.00
	SDI	55.00
	Fee	224.00
	<b>SUBTOTAL:</b>	<b>364.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>4,735.00</b>

**APPROVAL:**  
Oltmans Construction Co.

**BY:**   
**DATE:** 10/29/19

**APPROVAL:**  
Magnolia Educational and Research

**BY:**  
**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

---

RFC No: 22

Date: 5/31/2019

Description: SCOPE:

Electrical Construction: This Change Order Request is for the Added SOW Pursuant to RFI 160 Response. Please see breakdown attached.

**INCLUDES:**

This proposal includes all materials, tax, equipment, and labor as needed to provide a complete and operable system for work as described herein.

**EXCLUDES:**

Overtime

Shift work

Permits & Fees

Inclusions and Exclusions of the Original Executed Contract will apply to this cost estimate

Anything not expressly included above





*“Building a Safe & Secure Southern California”*

## Request For Change Order

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

Project: Oltmans Magnolia Science Cnt

---

The above work is subject to the same conditions as specified in the original contract unless otherwise stipulated.

Upon approval the sum of \$4,371.35 will be added to the contract price.

Original Contract	\$473,950.00
Other Approved Change Orders	\$16,300.53
Total Contract to Date	\$490,250.53
This Request	\$4,371.35
Other Pending Requests	\$69,476.77
Total Contract plus Pending RFCs	\$564,098.65

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: Magnolia Science Academy

Job Number: E129718

Date: 6/3/19 COR 22 RFI 160

This COR is for the Added SOW Pursuant to RFI 160 Response.  
 The following SOW will be performed:

1. Provide conduit stubs to future pole locations
2. Relocation of pump power, no added cost

\*\*\*Safeway excludes any structural concrete, surveying, and anchor bolt template.\*\*\*

**Labor Costs**

Position	Hours Worked	Hourly Rate	OT Hours	OT Rate	Total Cost
Journeyman	33	\$ 85.00		\$ 127.50	\$ 2,805.00
Foreman	3	\$ 95.00		\$ 142.50	\$ 285.00
Superintendent		\$ 105.00		\$ 157.50	\$ -
<b>Mark Up 10%</b>					<b>\$ 309.00</b>
<b>Total Labor Costs</b>					<b>\$ 3,399.00</b>

**Material Costs**

See Material Breakout Report Attached	\$ 818.48
<b>Subtotal</b>	<b>\$ 818.48</b>
<b>Sales Tax 8%</b>	<b>\$ 65.48</b>
<b>Mark Up 10%</b>	<b>\$ 88.40</b>
<b>Total</b>	<b>\$ 972.35</b>

**Equipment Costs**

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

**Subcontractors**

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

**Total Daily Change Order Due \$ 4,371.35**

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
<b>Section : Section 001: BR PWR - ADDED SOW PURSUANT TO RFI 160</b>					
	ROLL OF DUCT TAPE	1.00	EACH	7.80	0.0000
	GALLON OF CLEAR PVC GLUE	1.00	EACH	79.56	0.0000
	BUCKET OF JETLINE	1.00	LOT	28.64	0.0000
	QUART OF PVC PRIMER	1.00	EACH	16.49	0.0000
	UNDERGROUND ELETRICAL ENCLOSURES	3.00	EACH	270.00	4.5000
1"	PVC SCH 40	300.00	FEET	115.20	13.5000
1"	PVC SCH 40 90 ELBOW	11.00	EACH	8.58	1.6500
1"	PVC COUPLING	15.00	EACH	3.06	1.3500
10	THHN SOL CU	1,500.00	FEET	288.00	11.2500
	WIRE NUT- RED	12.00	EACH	1.15	0.3240
Subtotals for Section : Section 001: BR PWR - ADDED SOW PURSUANT TO RFI 160				818.48	32.5740
Grand Totals				818.48	32.5740

**SUBJECT:** Parking Lot Pump Location and Future Light Standards**DATE:** 02/12/2019**PROJECT:** Magnolia Science Academy**PROJECT NO.:** 18049**TO:** Etmny Cornejo  
Franco Architects Inc.**REQUIRED:** 02/15/2019**COST IMPACT:** POTENTIALLY**DAYS IMPACT:** POTENTIALLY**FROM:** Elizabeth Lara  
Oltmans Construction Co.**Co-Author:** Oltmans Construction Co.**Contact:** Trevor Lawton**Co-Author RFI Number:** Parking Lot Pump**Request:**

Requested by Trevor Lawton, OCCO:

Per OAC Meeting on 2/6/19, it was discussed that relocating the pump and pipe in the parking lot may be recommended due to possible conflicts in proposed future developments. Please advise if the pump and pipe is to be relocated per the attached and if the pump and discharge pipe are to be upsized to account for additional flow from the parking lot to the west and possible future tie in of that lot's retention basin. See attached sketch.

Additionally, please advise if stubbing for future light standards in the parking lot is required. Please provide conduit size and locations.

**Suggestion:****Answer:** Accept Suggestion

We are ok with the relocation of the pump.  
John Wang, Tritech Engineering Associates

Please find electrical plans attached  
Sarineh Minasian 3/14/2019

**Answered By:** \_\_\_\_\_**Date:****Distribution:**

*NOTE BY OCCO: Attachments provided by Franco Architect in response to RFI #160 include original sketch sent by OCCO part of G-2, and electrical drawings as referenced above include sheet E0.2, E.2.2.*

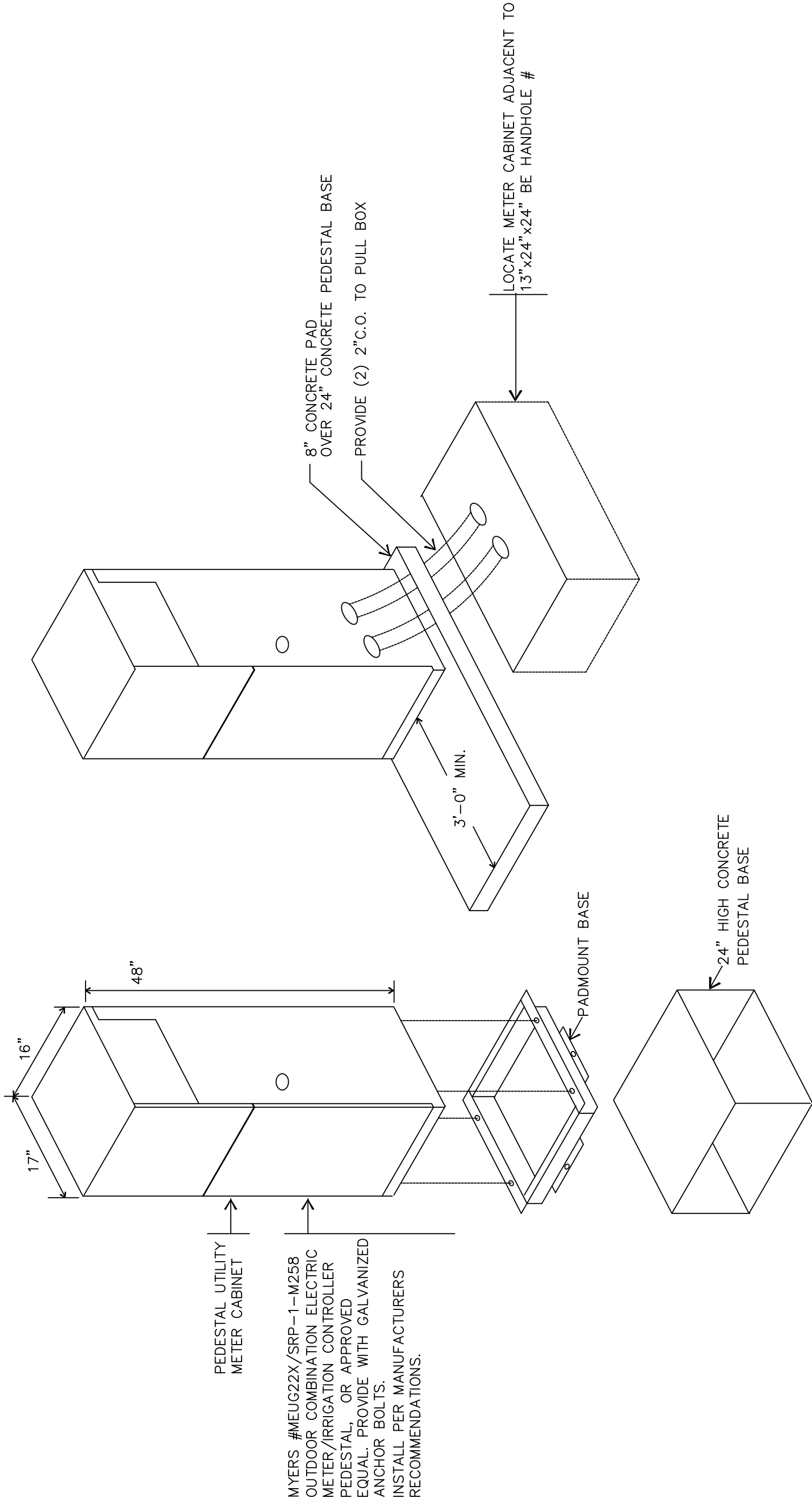
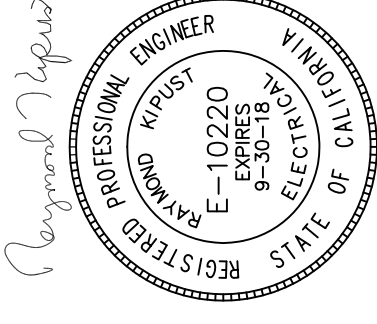
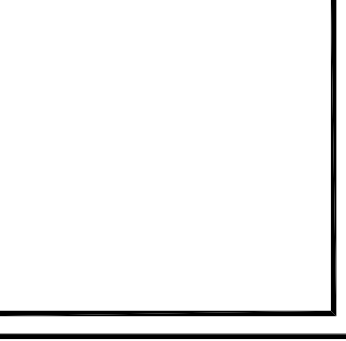






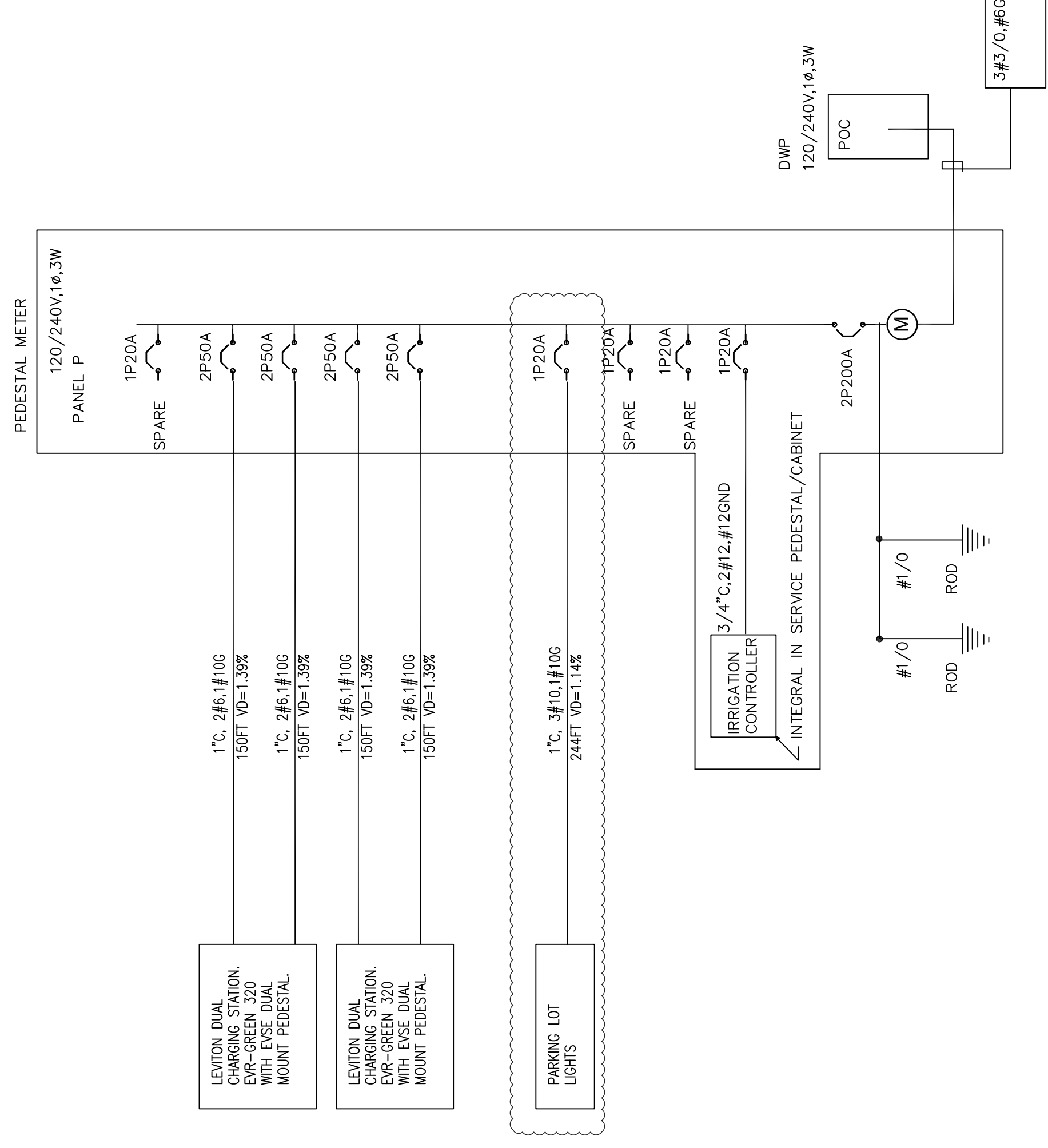


REV	DESCRIPTION	DATE



METER CABINET — PEDESTAL MOUNTED

NOT TO SCALE



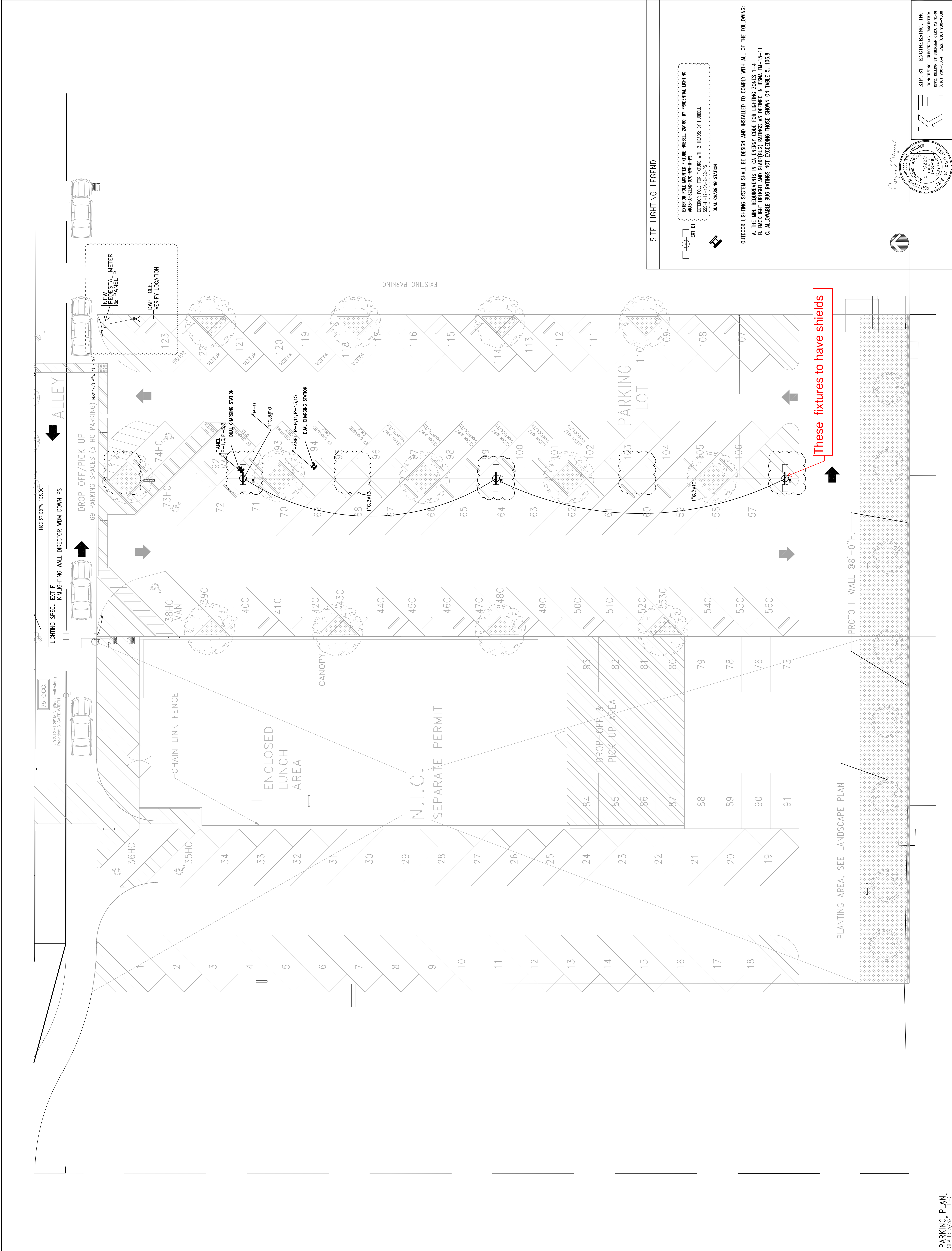
SINGLE LINE DIAGRAM

PANEL #	LOCATION	WATTAGE	WATTAGE		WATTAGE		REMARKS
			VA	W	VA	W	
CHARGING STATION #B2	↓	3840	3840	3840	20	2	IRRIGATION CONTROLLER
CHARGING STATION #B3	↓	3840	3840	3840	20	4	PARKING LOT LIGHTS
CHARGING STATION #B4	↓	3840	3840	3840	6	8	
CHARGING STATION #B5	↓	3840	3840	3840	11	12	
					14	14	
					16	16	
					17	17	
					19	20	
					22	24	
					23	24	
		15,360	15,360	100	879		
				15,360	15,360		
				15,360	15,360		

CONN: 31,599 VA  
1.01A

DESIGN:





SITE LIGHTING LEGEND

- EXT E1
- EXT E2
- EXT E3
- EXT E4
- EXT E5
- EXT E6
- EXT E7
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- EXT E199
- EXT E200

OUTDOOR LIGHTING SYSTEM SHALL BE DESIGN AND INSTALLED TO COMPLY WITH ALL OF THE FOLLOWING:  
 A. THE MIN. REQUIREMENTS IN CA ENERGY CODE FOR LIGHTING ZONES 1-4  
 B. BACKLIGHT UPLIGHT AND GLARE(BIG) RATINGS AS DEFINED IN IESNA TM-15-11  
 C. ALLOWABLE BUG RATINGS NOT EXCEEDING THOSE SHOWN ON TABLE 5. 106.8

PROFESSIONAL ENGINEER  
 E-10220  
 P-25114  
 REGISTERED ELECTRICAL ENGINEER  
 STATE OF CALIFORNIA  
 KIPFUST ENGINEERING, INC.  
 CONSULTING ELECTRICAL ENGINEERS  
 18220 SHERMAN WAY, RESEDA, CA 91335  
 (818) 790-0564 FAX (818) 790-7098

PCI 46



**TITLE:** Added Wall Handrail Per RFI 205

**DATE:** 10/21/2019

**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:**

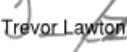
This Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment required to furnish and install Added handrail and signage per RFI #205 at roof top level.

- \_Added Handrail
- \_Added Signage
- \_Paint - No charge

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

Vendor	Description	Amount
KDR Steel Co.	Structural Steel : COR 7	2,270.00
	<b>SUBTOTAL:</b>	<b>2,270.00</b>
	Signage	75.00
	Bond	20.00
	Gross Tax	4.00
	GL	23.00
	SDI	30.00
	Fee	120.00
	<b>SUBTOTAL:</b>	<b>272.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>2,542.00</b>

**APPROVAL:**  
Oltmans Construction Co.

**BY:**   
**DATE:** 10/29/19

**APPROVAL:**  
Magnolia Educational and Research

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

# KDR STEEL

## STRUCTURAL STEEL & MISC. METALS

8225 GOLDMINE AVE. FONTANA, CA. 92335 PHONE: (909) 822-1155 FAX: (909) 822-1166 SITE: [WWW.KDRSTEEL.COM](http://WWW.KDRSTEEL.COM)

### CHANGE ORDER 7

THURSDAY, AUGUST 22<sup>ND</sup>, 2019

*BID DOCS:* RFI 205  
*SUBMITTED TO*  
*ATTN:* ESTIMATING DEPT.

*PROJECT / ADDRESS*  
MAGNOLIA SCIENCE ACADEMY  
RESEDA, CALIFORNIA

### SCOPE: CHANGE ORDER

- Additional Wall Rail per RFI 205
- Redo the Guardrail and Added Handrail Per RFI,

**MATERIALS PRICE: \$800.00**

**SHOP LABOR – 12 HR @ 55\$ PRICE: \$660.00**

**FIELD LABOR – 6 HR @ 85 PRICE: \$510.00**

**DELIVERY PRICE: \$300.00**

**LUMP SUM PRICE: \$2,270.00**

### SPECIFIC EXCLUSIONS:

- FINISH PAINT
- ANY WORK NOT SPECIFIED

### EXCLUSIONS

BOLTS EXCEPT TO ERECT STEEL  
METAL 12 GA AND LESS  
CATCH BASINS AND TRENCH DRAINS  
TESTS AND INSPECTIONS

CUTTING OR DRILLING OF CONCRETE  
PIPE SLEEVES FOR OTHER TRADES  
STD MFG'D. METAL CONNECTIONS  
NON FERROUS METAL

### OTHER EXCLUSIONS

ALL ITEMS OTHER THAN THOSE NOTED ABOVE EXCLUSIONS SECTION, & ANY STAINLESS STEEL ITEMS

THIS PROPOSAL INCLUDES THE TERMS AND CONDITIONS ON THE REVERSE SIDE, AND IS SUBJECT TO YOUR WRITTEN ACCEPTANCE WITHIN 30 DAYS FROM BID DATE. WHEN ACCEPTED BY YOU WITHIN SUCH TIME, THIS PROPOSAL WILL CONSTITUTE A CONTRACT OF SALE BETWEEN OURSELVES AS SELLER AND YOU AS PURCHASER.

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

DATE \_\_\_\_\_

*KDR STEEL IS A CALIFORNIA STATE CONTRACTOR LICENSED COMPANY & CITY OF LOS ANGELES FABRICATOR LICENSED COMPANY*

**SUBJECT:** Stair #2 at Roof Top - Added Railing and Landing Step (Color Strip)**DATE:** 05/08/2019**PROJECT:** Magnolia Science Academy**PROJECT NO.:** 18049**TO:** Johann Wang**REQUIRED:** 05/13/2019

Franco Architects Inc.

**COST IMPACT:** POTENTIALLY**DAYS IMPACT:** POTENTIALLY**FROM:** Elizabeth Lara

Oltmans Construction Co.

**Co-Author:****Contact:****Co-Author RFI Number:** Stair #2**Request:**

Per our job walk today after OAC please confirm:

1. OCCO is to provide a color change at landing (stair #2, roof top only) due to added step. Such as warning tape or tread cover in safety yellow or contrasting color.

2. Add a small railing (on the wall side) by landing step, due to added step (stair #2, roof top only) .

3. Adjust hand railing at the landing due to added step (stair #2, roof top only) on the previously approved shop drawing 051200-03 Stairs Shop Drawings FAC 071018.

See photos.

**Suggestion:****Answer:** **Accept Suggestion**

See attached SK-040.

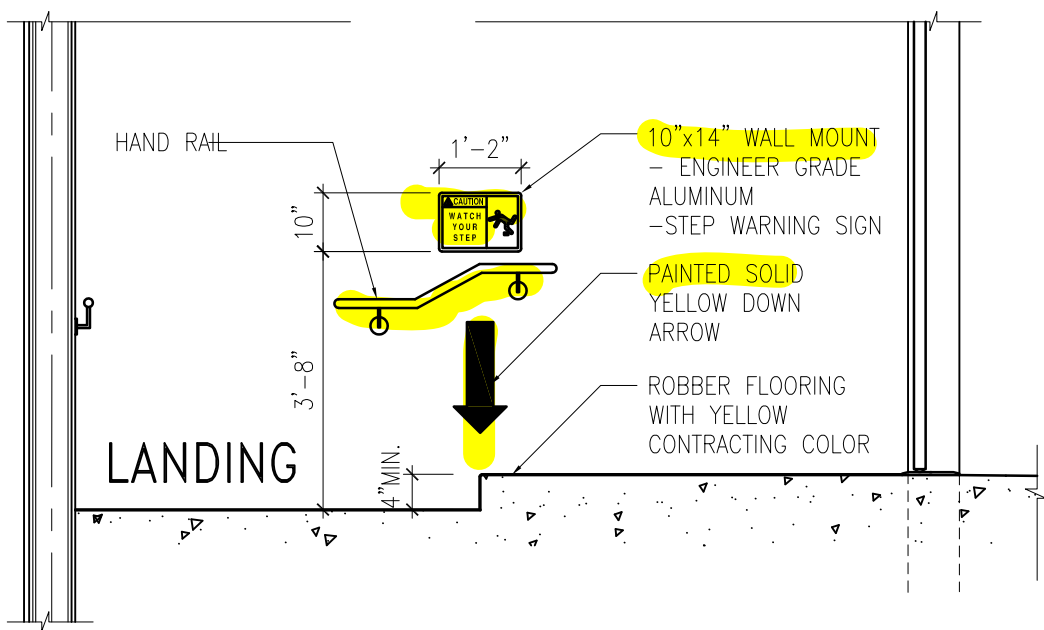
Johann Wang, Architect**Answered By:****Date:** 5/14/2019**Distribution:**



Add hand rail & backing per jobsite walk after OAC 5/8/19.

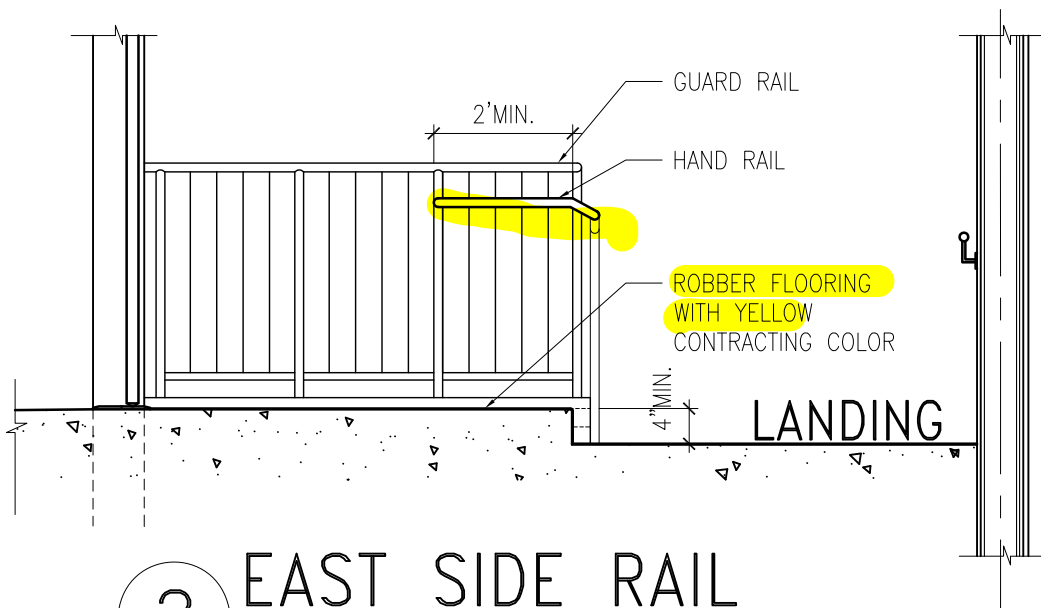
Provide color change strip at landing step such as thread cover or safety step tape per jobsite walk after OAC 5/8/19.

Change hand rail & backing per jobsite walk after OAC 5/8/19.

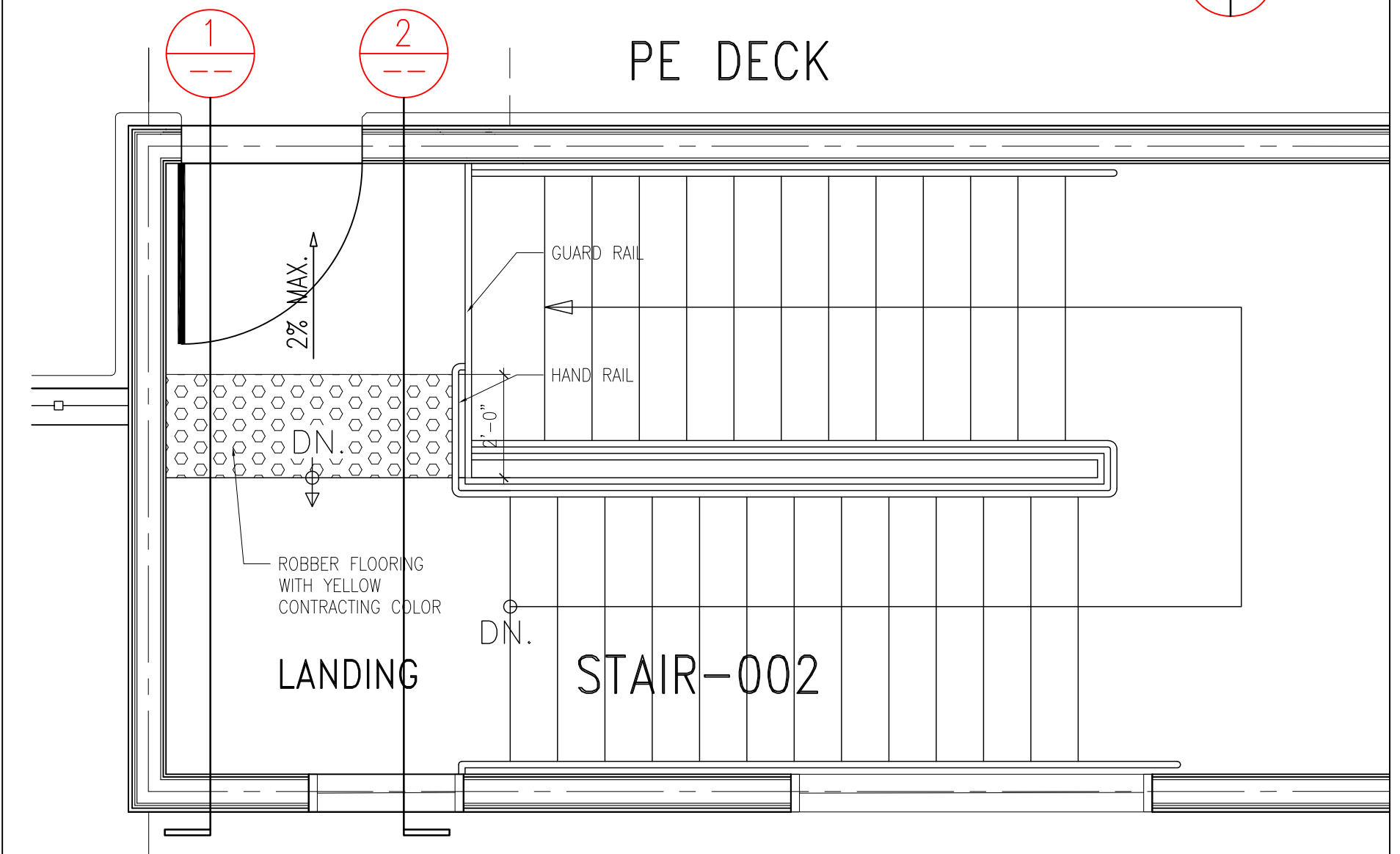
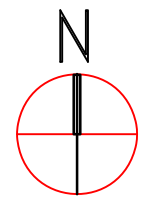


**1 WEST WALL**

Watch-your-Step-Sign AVAILABLE AT:  
[www.mysafetysign.com/Trip-Fall-Signs/Watch-your-Step-Sign/SAF-SKU-S4430.aspx](http://www.mysafetysign.com/Trip-Fall-Signs/Watch-your-Step-Sign/SAF-SKU-S4430.aspx)  
 OR APPROVED EQUAL



**2 EAST SIDE RAIL**



PCI 47



CONSTRUCTION CO.

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

POTENTIAL CHANGE ITEM

PCI047

**TITLE:** Chem Lab #201 Furred North Wall For Drains

**DATE:** 10/22/2019

**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 furnish and install the added furring of the north walls at chemistry lab to accommodate for drains and window per RFI #176 response; the added scope includes framing and drywall. The drawings did not have a way for the chem lab sinks to have drains installed, so the AOR directed the installation of the furred walls in front of the windows as noted on RFI 176, photos included.

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

Vendor	Description	Amount
Oltmans Drywall/Door	Rough Carpentry(EWO 47 - Frame)	2,125.00
Oltmans Drywall/Door	Drywall (EWO 42 - Drywall)	4,684.00
	<b>SUBTOTAL:</b>	<b>6,809.00</b>
	Bond	56.00
	Gross Tax	9.00
	GL	67.00
	SDI	86.00
	Fee	349.00
	<b>SUBTOTAL:</b>	<b>567.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>7,376.00</b>

**APPROVAL:**

Oltmans Construction Co.

**BY:** Trevor Lawton

**DATE:** 10/29/19

**APPROVAL:**

Magnolia Educational and Research

**BY:**

**DATE:**

**SUBJECT:** Chemistry Lab - Waste & Vent Issue**PROJECT:** Magnolia Science Academy**TO:** Johann Wang  
Franco Architects Inc.**FROM:** Elizabeth Lara  
Oltmans Construction Co.**DATE:** 03/19/2019**PROJECT NO.:** 18049**REQUIRED:** 03/22/2019**COST IMPACT:** POTENTIALLY**DAYS IMPACT:** POTENTIALLY**Co-Author:** Oltmans Construction Co.**Contact:** Jeff Rich**Co-Author RFI Number:** Room 201**Request:**

Requested by Jeff Rich, OCCO:

The Chemistry Lab room #201 has full height windows facing North above the lower cabinets. See A9.3 detail 8. The windows are type "A" found on A10.1. The plumbers have no way to run their waste and vents. We have large structural beams above and below. The 18" cavity between the windows are full of structural posts etc. There is no room to run a vent or waste up or down this 18" cavity.

Possible solution is to build a 6" low wall at the height of the lower cabinets. This would keep the windows as is, and give room for power, water, waste, venting and gas. The 18" between the windows would also have the 6" wall up to the t-bar. This would allow the sinks to be vented. However, the cabinets are in production, almost complete; submittals were reviewed 10/22/19; please advise.

Reference: 8/ A9.3 , A10.1, P5.0

**Suggestion:****Answer:** **Accept Suggestion**

Provide about 4" full-height furring on north wall to accommodate the plumbing work.

Adjust the cabinet work at the north-west corner.

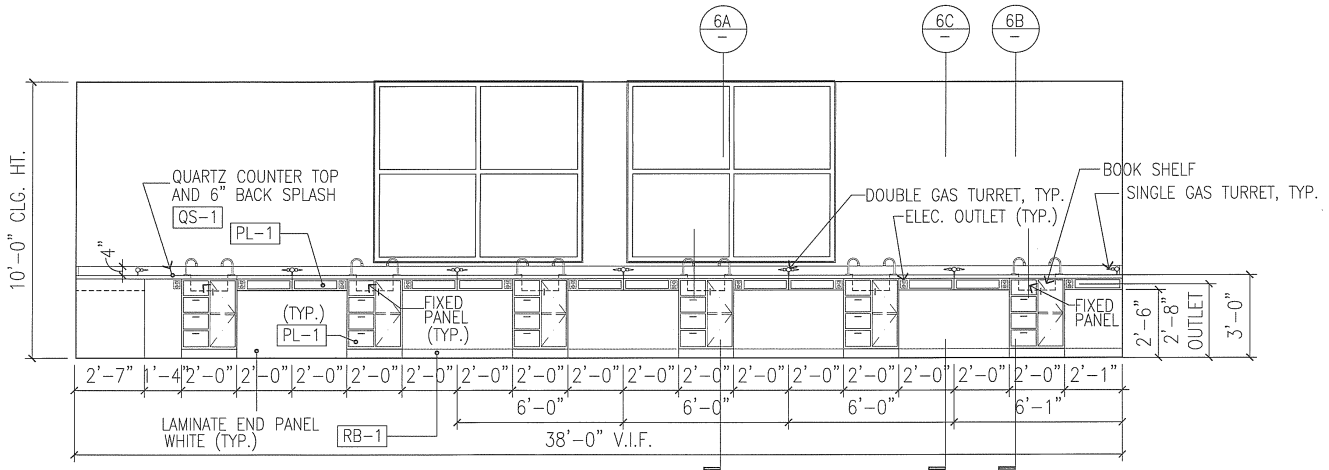
Johann Wang Architect

**Answered By:****Date:** 03/20/2019**Distribution:**



176

8/A9.3 - RFI 173 Chem Lab #201

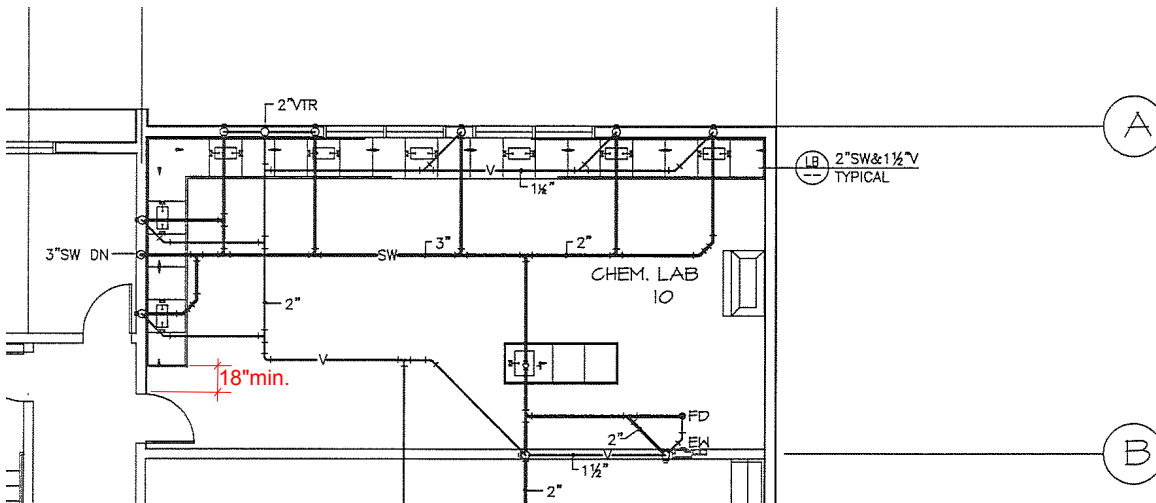


\*NOTE: NO ITEMS ARE TO BE PLACED ON THE WALL, NOR RETRIEVED FROM THE WALL AT ADA COUNTER. (FIG.11B-5C)

8 CHEM LAB DESKS ELEVATION  
SCALE: 3/8"=1'-0"

176

P5.0 - RFI 173 Chem Lab #201





# Oltmans Wall

**Date:** **5/9/2019**

**Project:** **Magnolia Academy - 18161**

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

**Extra Work Order No. 47**

**Description of work performed as a change to the contract:** **Material, Equipment, and Labor to frame new fur wall in 2nd floor chemistry lab as directed by Oltmans Superintendent.**

**Rough Carpentry - Framing**

**\*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	10	\$76.00		\$116.00		\$40.20	\$ 760.00
Carpenter	10	\$74.00		\$114.00		\$37.85	\$ 740.00
<b>Labor Total</b>	<b>20</b>	<b>\$1,500.00</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
DensGlass	SQFT		0.699	\$ -
Perma Base	BOX		0.875	\$ -
2x4	LF	560	0.475	\$ 266.00
1/2" Plywood FT	LF		0.000	\$ -
3-1/4" Nails	BOX	1	54.970	\$ 54.97
2-5/8" Nails	BOX		35.000	\$ -
Simpson HU26 Hangers	EA		4.500	\$ -
5/8" WR Board	SQFT		0.590	\$ -
5/8" X58	SQFT		0.280	\$ -
Tape	ROLL		7.850	\$ -
Taping Mud	BOX		13.500	\$ -
<b>Material Total</b>				<b>\$ 320.97</b>

<b>Subcontractor Total</b>	<b>\$0.00</b>	<b>Material Total</b>	<b>\$ 320.97</b>
<b>OH&amp;P on Subcontractor</b>	<b>\$0.00</b>	<b>Tax 9.75%</b>	<b>\$ 31.29</b>
<b>Labor Total</b>	<b>\$1,500.00</b>	<b>OH&amp;P 15%</b>	<b>\$ 273.15</b>

**Grand Total \$2,125.41**

**\*\*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: 5/09 - 5/10  
Project: MSA - 18161

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:

PEN ITRF. (SUPER) BUILD A 4 1/2 FIN WALL  
IN CHAM LAB RM FOR PLUMBING. LENGTH OF N.  
WALL (40 LFT)

\*Oltmans Superintendant's Authorization to proceed:

LABOR RATES	Straight Hours	Saturday Hours	Sunday Hours	Premium time
Superintendant				
Foreman	10 HRS			
Carpenter	10 HRS			

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

Material	Piece count	Amount used
40) 2x4 X 14 DR L.		
1) DR 3/4 X 140 NAILS		

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

Oltmans Wall Representative:

\_\_\_\_\_

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



# Oltmans Wall

**Date:** 5/24/2019  
**Project:** Magnolia Academy - 18161  
**Attn:**  
**Oltmans Construction Co.**  
 10005 Mission Mill Road  
 Whittier, CA 90601

**Extra Work Order No. 42**

**Description of work performed as a change to the contract:** Material, Equipment, and Labor to hang and tape new fur wall in 2nd floor chemistry lab for added plumbing as directed by Oltmans Superintendent.

Drywall

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

LABOR RATES	Straight Hours	Base Rate*	OT Hours	Overtime	Premium Hrs	Premium time	Total
Superintendent	2	\$107.00		\$160.00		\$55.25	\$ 214.00
Foreman		\$76.00		\$116.00		\$40.20	\$ -
Carpenter	48	\$74.00		\$114.00		\$37.85	\$ 3,552.00
<b>Labor Total</b>	<b>\$3,766.00</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
DensGlass	SQFT		0.699	\$ -
Perma Base	BOX		0.875	\$ -
2x6 FT	LF		0.588	\$ -
1/2" Plywood FT	LF		0.000	\$ -
3-1/4" Nails	BOX		54.970	\$ -
2-5/8" Nails	BOX		35.000	\$ -
Simpson HU26 Hangers	EA		4.500	\$ -
5/8" WR Board	SQFT	192	0.590	\$ 113.28
5/8" X58	SQFT	384	0.280	\$ 107.52
Tape	ROLL	1	7.850	\$ 7.85
Taping Mud	BOX	4	13.500	\$ 54.00
<b>Material Total</b>				<b>\$ 282.65</b>

<b>Subcontractor Total</b>	<b>\$0.00</b>	<b>Material Total</b>	<b>\$ 282.65</b>
<b>OH&amp;P on Subcontractor</b>	<b>\$0.00</b>	<b>Tax</b> 9.75%	<b>\$ 27.56</b>
<b>Labor Total</b>	<b>\$3,766.00</b>	<b>OH&amp;P</b> 15%	<b>\$ 607.30</b>

**Grand Total \$4,683.51**

**\*\*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.















PCI 48

**TITLE:** AHU-123 Added Duct Required to Reach Design CFM

**DATE:** 10/31/2019

**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 addition of duct for AHU-123 from the level 1 boy's restroom (room no. 123) across the hallway into room 115. During the testing and air balance process, AHU-123 was recorded as not being able to pull the required CFM through the outside air duct causing it to only work at 42% of design load. At an onsite meeting held on 9/5/19 with Oltmans (Trevor Lawton, Luis Sanchez), Magnolia Schools (Patrick Ontiveros), Hyle Engineering (Ron Hyle), Franco Architects (Johann Wang), and Christian Brothers (Anthony Baca, Johnny Contreras and Colton MacGregor), the issues from the TAB report were reviewed and to correct the low CFM for AHU-123, the MEOR directed a duct be added from the boys restroom to the electric room to increase the CFM going across the coils to avoid freezing up and achieve higher design load. The level 1 restroom had a hard lid ceiling so the ceiling had to be cut open, an access panel installed, and the work proceeded above that ceiling and across the t-bar ceiling in the hallway. Please see attached for additional information.

<b>Vendor</b>	<b>Description</b>	<b>Amount</b>
Christian Bros Mechanical Services	Installation of duct from room 123 to room 115. See Christian Brothers RFCO#3 for reference.	7,732.00
Oltmans Drywall/Door	Opening of Ceiling and Installation of Access Panel. See JWO 22 for reference.	1,485.75
	<b>SUBTOTAL:</b>	<b>9,217.75</b>
	Bond	76.00
	Gross Tax	12.00
	GL	90.00
	SDI	116.00
	Fee	472.00
	<b>SUBTOTAL:</b>	<b>766.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>9,983.75</b>

**APPROVAL:**

Oltmans Construction Co.

**BY:**  Trevor Lawton

**DATE:** 10/31/19

**APPROVAL:**

Magnolia Educational and Research

**BY:**

**DATE:**



**Christian Brothers Mechanical Svcs, Inc.**

11140 Thurston Lane  
Mira Loma CA 91752  
951 361-2247  
951 361-1581Fax

**Request For Change Order**

Date of Request: 10/09/2019  
CB RFCO#: 3-RFCO  
GC RFCO#  
Requested By: Ashley Strohmeyer  
**Respond By: 10/16/2019**

License: 499547

**TO:** OLTMANS CONSTRUCTION CO  
10005 MISSION MILL ROAD  
WHITTIER CA 90601

**JOB:** 302318  
Magnolia Science Academy  
18220 West Sherman Way  
Reseda CA 91335

**ATTN:** DAN WOZNIAK

---

**Reason For A Change Order....**

**REASON FOR CHANGE ORDER:**

Per Mechanical Engineer he added a 10" outside air into return air duct to AHU-123 due to not enough return to unit from original drawing.

**DESCRIPTION OF WORK:**

Install 40' of 10" spiral duct, (10) elbow fittings and extra trip to re-balance unit per the Mechanical Engineer and Oltmans. All ductwork had to be installed through T-Bar and hard lid and around all other objects in the way to get it done.

Total Cost: \$7,732

---

**RESPONSE :**      **Respond by :**      10/16/2019

---

I am hereby authorized to release the above work for modification and agree to the additional... charges in the Change Order Estimate...

**DATE** \_\_\_\_\_ **APPROVED BY** \_\_\_\_\_  
Signature... Printed Name...

Released for production by Christian Brothers Representative:

**DATE** \_\_\_\_\_ **APPROVED BY** \_\_\_\_\_  
Signature... Printed Name...





**Christian Brothers**  
**Mechanical Services, Inc.**  
**11140 Thurston Lane Mira Loma, CA. 91752**  
**(951) 361-2247 fax (951) 361-1581** **Lic. 499547**

Rev 9.30.14

**RFCO**  
**REQUEST FOR CHANGE ORDER**

JOB # **3023-18**  
 JOB NAME **Magnolia Science Academy**  
 CREATED BY Johnny Contreras  
 BILL TO Oltmans Construction  
 ATTENTION Trevor Lawton

DATE 10/9/2019  
 RFCO# 3  
 RFI ASSOC. \_\_\_\_\_

**REASON FOR CHANGE ORDER**

Per mechanical engineer he added a 10" outside air into return air duct to AHU-123 due to not enough return to unit from original drawing

**DESCRIPTION OF WORK**

Install 40' of 10" spiral duct, (10) elbows fittings, and extra trip to rebalance unit, per the mechanical engineer and Oltmans.

All duct work had to be installed through t-bar and hard lid, and around all other objects in the way to get job done.

Description:	Qty.	P/ SM	Quantity:				Totals				Subcontract	
			Material	Equipment	Labor		Material	Equipment	Labor		S/R	Values
					Shop	Field			Shop	Field		
Recap from detail sheets page 2						\$ 865.00	\$ -	-	24.00		-	
Discovery/ Review	1					\$ -	\$ -	0	0			
Coordination	1	SM			8.00	\$ -	\$ -	0	8			
Layout/ Detail	1	SM			4.00	\$ -	\$ -	0	4			
Engineering	1					\$ -	\$ -	0	0			
Delivery	1	SM			8.00	\$ -	\$ -	0	8			
Zone Pay/Travel/Subsistence	1					\$ -	\$ -	0	0			
Truck Surcharge, Fuel	1					\$ -	\$ -	0	0			
Material Handling	1					\$ -	\$ -	0	0			
Crane	1					\$ -	\$ -	0	0			
Rentals Scissor Lift, Vermitties	1					\$ -	\$ -	0	0			
Special Tools	1					\$ -	\$ -	0	0			
Testing Duct, Water, Smoke, Fire, Life	1					\$ -	\$ -	0	0			
Controls - Sub - Name -	1					\$ -	\$ -	0	0			
Piping - Sub - Name -	1					\$ -	\$ -	0	0			
Insulator - Sub - Name -	1					\$ -	\$ -	0	0			
Air Balancing - Sub - Name -	1					\$ -	\$ -	0	0		\$ 750.00	
Permits/inspections	1					\$ -	\$ -	0	0			
Warranty	0.10					\$ 95.00	\$ -	0	0			
Shop Drawings/ As-Builts	1					\$ -	\$ -	0	0			
Start-Up	1					\$ -	\$ -	0	0			
Cal Green /LEEDS	1					\$ -	\$ -	0	0			
Job Site Costs	0.05					\$ 273.00	\$ -	0	0			
Foremen/Safety Meetings/Acceleration	1	SM			8.00	\$ -	\$ -	0	8			
Project Management	1	SM			8.00	\$ -	\$ -	0	8			
Sub Total						\$ 1,233.00	\$ -	-	60.00		\$ 750	
Sales Tax & Labor Rates						10.00%	10.00%	\$ 65.00	\$ 75.00			
Sub Total With Tax & Labor Rates						\$ 1,356.30	\$ -	\$ -	\$ 4,500.00		\$ 750	
10% Foreman			6.00		12.00				\$ 72.00			
15% General Foreman			9.00		5.00				\$ 45.00			
Sub Total						\$ 1,356.30	\$ -	\$ -	\$ 4,617.00		\$ 750	
% Mark-up Labor, Materials & Equipment			15.0%			\$ 203.45	\$ -	\$ -	\$ 692.55		\$ 112.50	
% Mark-up Sub Contractor			15.0%								\$ 863	
Totals with Mark-up						\$ 1,559.75	\$ -	\$ -	\$ 5,309.55		\$ 7,732	
Bond			0.00%								\$ -	
Total with Bond											\$ 7,732	
<b>Total All Sheets</b>											<b>\$ 7,732</b>	

Accepted By \_\_\_\_\_

Date \_\_\_\_\_

Agreed Amount \_\_\_\_\_



# Oltmans

CONSTRUCTION CO.

Project: **Magnolia Science Academy**  
 Job #: **18049**  
 JWO #: **22**  
 JWO Date: **9/9/2019**  
 Description: **Open Ceiling and Install Access Panel for Level 1 Duct**

By: **Luis Sanchez** PM: **Trevor Lawton**  
 Date Entered:

Description	Qty.	Labor Rate	Equip/ Mat'l. Rate	Labor	Equip/ Mat'l.
<b>Classifications</b>					
1	Foreman	8.0 hrs	\$ 76.00		\$608.00
2	Taper	8.0 hrs	\$ 74.00		\$592.00
3		0.0 hrs			\$0.00
4		0.0 hrs			\$0.00
5		0.0 hrs			\$0.00
6		0.0 hrs			\$0.00
7		0.0 hrs			\$0.00
8		8.0 hrs			\$0.00
9		0.0 hrs			\$0.00
10		0.0 hrs			\$0.00
TOTAL		24.0 hr			

<b>Equipment / Materials</b>					
1	Access Panel	1.0 EA		48.94	\$48.94
2	Tape	1.0 Roll		7.85	\$7.85
3	Taping Mud	2.0 Box		13.50	\$27.00
4					
5					

<i>Subtotals</i>				\$1,200.00	\$83.79
<i>Labor Subtotal</i>				\$1,200.00	
Material Tax		9.75%		\$8.17	
Material & Equipment				\$83.79	
<i>Subtotal</i>				\$1,291.96	
Self-Performed OH&P		15.00%		\$193.79	
<b>TOTAL</b>				<b>\$1,485.75</b>	

**EXCLUDES:**  
 a) All subcontractor work (if any).



# Inland Air Balance, Inc.

482 W. Arrow Hwy. St. C  
San Dimas, CA. 91773  
(909) 305-4881  
LIC # 837772

## Air Balance Project Summary

PROJECT: MAGNOLIA SCIENCE ACADEMY

JOB # 1004-47

TECHNICIAN: Colton W.

DATE 8/29/19

CONTRACTOR: CHRISTIAN & ROS

AHU-109: UNIT NOT PULLING ENOUGH OSA THROUGH GRAVITY FED INLET.

AHU-101

AHU-119: ~~UNIT NOT PULLING ENOUGH OSA THROUGH GRAVITY FED INLET~~, ATTEMPTS WERE MADE TO CUT RETURN BACK, ONLY ENDED UP CHOKING DOWN SUPPLY TOTAL, LEFT RETURN DAMPERS OPEN TO SATISFY SUPPLY TOTAL.

AHU-120: LOW OSA POSSIBLY DUE TO RESTRICTION CAUSED BY LOUVER ON SIDE OF BUILDING HAVING TOO SMALL OF OPENING OF 14"X2" NOT BIG ENOUGH TO PULL 400 CFM THROUGH OPENING,  $SPE @ -0.10"$  @ OSA TRAVERSE POINT NEAR RETURN PLENUM.

AHU-123: 100% OSA UNIT WITH A 10" ROUND DUCT TO OUTSIDE OF BUILDING, NOT ABE TO PULL 2182 FPM THROUGH THIS SIZE OF DUCT, UNIT PERFORMING @ 42% OF DESIGN WITH A SUCTION STATIC OF  $-1.08"$  @ RA PLENUM.

FCU-118/FCU-214: DUCTLESS MINISPLITS NOT RUNNING, NO POWER

RTU-209: RETURN FLEX IN ROOM 210, SMASHED/PINCHED CAUSING RESTRICTION.

~~UNIT NOT PULLING ENOUGH OSA THROUGH GRAVITY FED INLET. ATTEMPTS WERE MADE TO CUT RETURN BACK, ONLY ENDED UP CHOKING DOWN SUPPLY TOTAL, LEFT RETURN DAMPERS OPEN TO SATISFY SUPPLY TOTAL.~~

~~UNIT NOT PULLING ENOUGH OSA THROUGH GRAVITY FED INLET. ATTEMPTS WERE MADE TO CUT RETURN BACK, ONLY ENDED UP CHOKING DOWN SUPPLY TOTAL, LEFT RETURN DAMPERS OPEN TO SATISFY SUPPLY TOTAL.~~

AHU-100: UNIT NOT PULLING ENOUGH OSA THROUGH GRAVITY FED INLET.

# Inland Air Balance, Inc.

482 W. Arrow Hwy. SL C  
San Dimas, CA. 91773  
(909) 305-4881  
LIC # 837772

## Air Balance Project Summary

PROJECT: MARINIA SCIENCE ACADEMY  
JOB # ~~000000~~ 1804-47 TECHNICIAN: Coltson DATE 8/29/19  
CONTRACTOR: CHRISTIANBROS

EF:115: RUNNING @ 54% OF DESIGN, DIRECT DRIVE FAN, SINGLE SPEED MOTOR, CORRECT ROTATION.

EF 222: ~~000000~~ INLETS ADD TO 770 CFM, RUNNING @ 81% OF DESIGN. DIRECT DRIVE MOTOR ON HIGH SPEED.

EF 125: INLETS ADD TO 770 CFM, RUNNING @ 70% OF DESIGN, DIRECT DRIVE MOTOR ON HIGH SPEED.

EF 302: RUNNING @ 81% OF DESIGN, DIRECT DRIVE MOTOR ON HIGH SPEED.

EF-201: FUME HOOD FAN NOT RUNNING, NO POWER @ TIME OF TESTING.

ARRAB:

## Trevor Lawton

---

**From:** Trevor Lawton  
**Sent:** Friday, September 6, 2019 7:41 AM  
**To:** 'Johnny Contreras'; Patrick Ontiveros; Anthony Baca; Johann Wang; Luis Sanchez; John Flores; Dino Conforti; Elizabeth Lara; Ronald Hyle  
**Subject:** FW: Revised punchlist MAGNOLIA SCIENCE  
**Categories:** Archived

All,

Per below last night email from Ron, please plan on doing the work tomorrow. Christian Brothers, hopefully you can still get the materials in time.

Thank you,

**Trevor Lawton**  
Project Manager

**Oltmans Construction Co.**

T 562.948.4242, Ext. 3459  
C 916.276.7666

---

**From:** rsh345 <rsh345@sbcglobal.net>  
**Sent:** Thursday, September 5, 2019 9:12 PM  
**To:** Trevor Lawton <TrevorL@oltmans.com>  
**Subject:** RE: Revised punchlist MAGNOLIA SCIENCE

**Ok. Do it Sat.**

Sent from my Sprint Samsung Galaxy® Note 4.

----- Original message -----

From: Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>  
Date: 9/5/19 2:14 PM (GMT-08:00)  
To: Johnny Contreras <[johnny@cbhvac.com](mailto:johnny@cbhvac.com)>  
Cc: Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>, Anthony Baca <[abaca@cbhvac.com](mailto:abaca@cbhvac.com)>, Johann Wang <[johann@francoarchitects.com](mailto:johann@francoarchitects.com)>, Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)>, John Flores <[JohnF@oltmans.com](mailto:JohnF@oltmans.com)>, Dino Conforti <[DinoC@oltmans.com](mailto:DinoC@oltmans.com)>, Elizabeth Lara <[ElizabethL@oltmans.com](mailto:ElizabethL@oltmans.com)>, Ronald Hyle <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>  
Subject: RE: Revised punchlist MAGNOLIA SCIENCE

Ron, please review the below and advise. If we have to do this duct, then we were trying to do it this Saturday, but that means we need to know today to get materials here by then.



Thanks,

**Trevor Lawton**

Project Manager

**Oltmans Construction Co.**

T 562.948.4242, Ext. 3459

C 916.276.7666

---

**From:** Johnny Contreras <[johnny@cbhvac.com](mailto:johnny@cbhvac.com)>

**Sent:** Thursday, September 5, 2019 1:51 PM

**To:** Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>

**Cc:** Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>; Anthony Baca <[abaca@cbhvac.com](mailto:abaca@cbhvac.com)>; Johann Wang <[johann@francoarchitects.com](mailto:johann@francoarchitects.com)>; Luis Sanchez <[LuisS@oltmans.com](mailto:LuisS@oltmans.com)>; John Flores <[JohnF@oltmans.com](mailto:JohnF@oltmans.com)>; Dino Conforti <[DinoC@oltmans.com](mailto:DinoC@oltmans.com)>; Elizabeth Lara <[ElizabethL@oltmans.com](mailto:ElizabethL@oltmans.com)>; Ronald Hyle <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>

**Subject:** Re: Revised punchlist MAGNOLIA SCIENCE

This will not work after a discussion with the manufacturer and our service department this unit needs more than 400 CFM pulling through the coil or it will ice up and ruin the compressor it needs a minimal 1200 CFM for this unit to work properly

Sent from my iPhone

On Sep 5, 2019, at 12:20 PM, Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)> wrote:

All,

Please see below from Ron.

Ron, so we do NOT need to do any additional duct out of the first floor restroom?

Thanks,

**Trevor Lawton**

Project Manager

**Oltmans Construction Co.**

T 562.948.4242, Ext. 3459

C 916.276.7666

---

**From:** rsh345 <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>  
**Sent:** Thursday, September 5, 2019 12:03 PM  
**To:** Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>  
**Subject:** RE: Revised punchlist MAGNOLIA SCIENCE

Forget the 10" duct to the restroom ac, the exhaust system removes the majority of air. Only a small amount of osa is required.

Sent from my Sprint Samsung Galaxy® Note 4.

----- Original message -----

**From:** Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>  
**Date:** 9/4/19 11:44 AM (GMT-08:00)  
**To:** Ronald Hyle <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>  
**Cc:** John Flores <[JohnF@oltmans.com](mailto:JohnF@oltmans.com)>, Johann Wang <[johann@francoarchitects.com](mailto:johann@francoarchitects.com)>, Patrick Ontiveros <[pontiveros@magnoliapublicschools.org](mailto:pontiveros@magnoliapublicschools.org)>, Johnny Contreras <[johnny@cbhvac.com](mailto:johnny@cbhvac.com)>, Anthony Baca <[abaca@cbhvac.com](mailto:abaca@cbhvac.com)>  
**Subject:** RE: Revised punchlist MAGNOLIA SCIENCE

Ron,

I just hung up with the PM from Christian Brothers and we can meet at 11. They will have their air balance and startup guys there for this as well.

Thanks,

**Trevor Lawton**

Project Manager

**Oltmans Construction Co.**

T 562.948.4242, Ext. 3459

C 916.276.7666

---

**From:** Ronald Hyle <[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)>  
**Sent:** Wednesday, September 4, 2019 10:35 AM  
**To:** Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>  
**Subject:** Re: Revised punchlist MAGNOLIA SCIENCE

11AM would be better.

Please confirm receipt.

Ron

[rsh345@sbcglobal.net](mailto:rsh345@sbcglobal.net)

Hyle Engineering Co. Inc. Ronald S. Hyle, Owner, Environmental Engineer, LEED Green Associate, 818-996-5069, Cell: 818-674-1592.

NOTICE: This communication does not reflect an intention by the sender to conduct a transaction or make any agreement by electronic means. Nothing contained in this message or in any attachment shall satisfy the requirements for the formation of a contract or for a writing, and nothing contained herein shall constitute a contract or electronic signature under the Electronic Signatures in the Global and National Commerce Act, any version of the Uniform Electronic Transactions Act, or any other statute governing electronic transactions. This e-mail message is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure, or distribution is



prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. The unauthorized access, use, disclosure, or distribution of this e-mail may constitute a violation of the Federal Electronic Communications Privacy Act of 1986 and similar state laws.

On Wednesday, September 4, 2019, 08:15:56 AM PDT, Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)> wrote:

Ron,

Can you please meet the mechanical sub and myself tomorrow at 8am onsite to review the air balance comments. This is a hot item.

Thank you,

**Trevor Lawton**

Project Manager

**Oltmans Construction Co.**

T 562.948.4242, Ext. 3459

C 916.276.7666

---

**From:** Johnny Contreras <[johnny@cbhvac.com](mailto:johnny@cbhvac.com)>  
**Sent:** Wednesday, September 4, 2019 7:34 AM  
**To:** Trevor Lawton <[TrevorL@oltmans.com](mailto:TrevorL@oltmans.com)>  
**Cc:** Anthony Baca <[abaca@cbhvac.com](mailto:abaca@cbhvac.com)>; [albertg@inlandairbalance.com](mailto:albertg@inlandairbalance.com)  
**Subject:** FW: Revised punchlist MAGNOLIA SCIENCE

Trevor can you please have the mechanical engineer meet with me tomorrow morning around 8am to discuss these issues from the air balance report very urgent matter please let me know thank you.

---

**From:** [albertg@inlandairbalance.com](mailto:albertg@inlandairbalance.com) <[albertg@inlandairbalance.com](mailto:albertg@inlandairbalance.com)>  
**Sent:** Saturday, August 31, 2019 10:50 AM  
**To:** Johnny Contreras <[johnny@cbhvac.com](mailto:johnny@cbhvac.com)>  
**Subject:** Fwd: Revised punchlist MAGNOLIA SCIENCE

----- Forwarded message -----

From: "Colton MacGregor" <[cmacgregor105@gmail.com](mailto:cmacgregor105@gmail.com)>  
To: "Albert G (IAB)" <[albertG@inlandairbalance.com](mailto:albertG@inlandairbalance.com)>  
Sent: August 30, 2019 9:41 PM  
Subject: Revised punchlist MAGNOLIA SCIENCE

This is the one that has all the issues. I missed something on the last email.

Albert Granillo Jr.  
cell: (760)403-2509  
office: 909-305-4881  
<image001.png>

PCI 49





CONSTRUCTION CO.

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

POTENTIAL CHANGE ITEM

PCI049

**TITLE:** Replace Broken Glass  
**PROJECT:** Magnolia Science Academy

**DATE:** 11/04/2019  
**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 is to replace the broken glass on Sherman Way by a passer-by at the School's request.

Vendor	Description	Amount
Continental Glazing Inc.	Repair Sherman Way Glass Broken By Passer-By. See attached Continental COR #3 for reference.	396.39
	<b>SUBTOTAL:</b>	<b>396.39</b>
	Deduct From Door Hardware Allowance	-396.39
	Bond	0.00
	Gross Tax	0.00
	GL	0.00
	SDI	0.00
	Fee	0.00
	<b>SUBTOTAL:</b>	<b>-396.39</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>0.00</b>

**APPROVAL:**  
Oltmans Construction Co.

**BY:**   
**DATE:** 11/4/19

**APPROVAL:**  
Magnolia Educational and Research

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

# CONTINENTAL GLAZING, INC.

25050 Ave Kearny, Suite 204  
Valencia, CA 91355  
Ph. (661)295-8100  
Fax (661)295-8299  
mark@continentalglazing.com  
CA Lic #481342

## **CHANGE ORDER**

**Date: November 4, 2019**

**To: Oltmans**

**Attn: Trevor**

**Job: Magnolia Science**

**Description of Change Order: Replace Broken Glass**

**Replace 1 pc of broken 1" glass**

<b>Glass:</b>	<b>\$362.00</b>
<b>Tax:</b>	<b>\$ 34.39</b>

**Total for this Change Order: \$396.39**

*Respectfully submitted,*

*Mark Casselman*

Mark Casselman  
Continental Glazing  
818-679-9213











PCI 50



CONSTRUCTION CO.

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

**POTENTIAL CHANGE ITEM**

PCI050

**TITLE:** Fire Watch and September Security Service

**DATE:** 11/12/2019

**PROJECT:** Magnolia Science Academy

**PROJECT NO.:** 18049

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

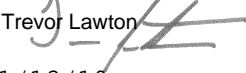
We respectfully request your approval of the following change to the original scope of work:

**DESCRIPTION:**

This change order request includes the costs associated with fire watch at the City's requirement to open with TCO and for security for the remainder of September. Security was initially to be removed after labor day, but due to City inspectors not releasing power and wanting fire alarm changes, security was kept on to keep vandalism from happening until building turn over.

Vendor	Description	Amount
	September Fire Watch and Security Service.	7,962.00
	October Fire Watch.	3,519.00
	Bond	94.00
	Gross Tax	15.00
	GL	112.00
	SDI	144.00
	Fee	587.00
<b>SUBTOTAL:</b>		<b>12,433.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>12,433.00</b>

**APPROVAL:**  
Oltmans Construction Co.

**BY:** Trevor Lawton   
**DATE:** 11/12/19

**APPROVAL:**  
Magnolia Educational and Research

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





WM Security Solutions  
 18341 Sherman Way # 206A  
 Reseda, CA 91335

# Invoice

Date	Invoice #
11/2/2019	2019-10166

<b>Bill To</b>
Oltmans Construction Co Accounts Payable 10005 Mission Mill Road Whittier, CA 90608

Due Date	Terms	Project
11/17/2019	Net 15	18049 Reseda

Quantity	Description	Rate	Amount
15	One Unarmed Security Guard From 1500-0600 On October 1 2019	17.00	255.00
15	One Unarmed Security Guard From 1500-0600 On October 2 2019	17.00	255.00
15	One Unarmed Security Guard From 1500-0600 On October 3 2019	17.00	255.00
15	One Unarmed Security Guard From 1500-0600 On October 4 2019	17.00	255.00
24	One Unarmed Security Guard From 0600-0600 On October 5 2019	17.00	408.00
24	One Unarmed Security Guard From 0600-0600 On October 6 2019	17.00	408.00
15	One Unarmed Security Guard From 1500-0600 On October 7 2019	17.00	255.00
15	One Unarmed Security Guard From 1500-0600 On October 8 2019	17.00	255.00
15	One Unarmed Security Guard From 1500-0600 On October 9 2019	17.00	255.00
15	One Unarmed Security Guard From 1500-0600 On October 10 2019	17.00	255.00
15	One Unarmed Security Guard From 1500-0600 On October 11 2019	17.00	255.00
24	One Unarmed Security Guard From 0600-1800 On October 12 2019	17.00	408.00
	Final Invoice		

			<b>Total</b>	\$3,519.00
Phone #	Fax #	E-mail	Web Site	
(818) 343-1642	(818) 975-5251	Info@WMSecuritySolutions.com	www.WMSecuritySolutions.com	



WM Security Solutions  
 18341 Sherman Way # 206A  
 Reseda, CA 91335

# Invoice

Date	Invoice #
10/1/2019	2019-90104

<b>Bill To</b>
Oltmans Construction Co Accounts Payable 10005 Mission Mill Road Whittier, CA 90608

Due Date	Terms	Project
10/16/2019	Net 15	<u>18049</u> Reseda

Quantity	Description	Rate	Amount
		<b>02001.00</b>	
24	One Unarmed Security Guard From 0600-0600 On September 1 2019	14.00	336.00
24	One Unarmed Security Guard From 0600-0600 On September 2 2019	21.00	504.00
15	One Unarmed Security Guard From 1500-0600 On September 3 2019	14.00	210.00
15	One Unarmed Security Guard From 1500-0600 On September 4 2019	14.00	210.00
15	One Unarmed Security Guard From 1500-0600 On September 5 2019	14.00	210.00
15	One Unarmed Security Guard From 1500-0600 On September 6 2019	14.00	210.00
24	One Unarmed Security Guard From 0600-0600 On September 7 2019	14.00	336.00
24	One Unarmed Security Guard From 0600-0600 On September 8 2019	14.00	336.00
15	One Unarmed Security Guard From 1500-0600 On September 9 2019	14.00	210.00
15	One Unarmed Security Guard From 1500-0600 On September 10 2019	14.00	210.00
15	One Unarmed Security Guard From 1500-0600 On September 11 2019	14.00	210.00
15	One Unarmed Security Guard From 1500-0600 On September 12 2019	14.00	210.00
15	One Unarmed Security Guard From 1500-0600 On September 13 2019	14.00	210.00
24	One Unarmed Security Guard From 0600-0600 On September 14 2019	14.00	336.00
24	One Unarmed Security Guard From 0600-0600 On September 15 2019	14.00	336.00
15	One Unarmed Security Guard From 1500-0600 On September 16 2019	14.00	210.00
15	One Unarmed Security Guard From 1500-0600 On September 17 2019	14.00	210.00
15	One Unarmed Security Guard From 1500-0600 On September 18 2019	14.00	210.00
15	One Unarmed Security Guard From 1500-0600 On September 19 2019	14.00	210.00
15	One Unarmed Security Guard From 1500-0600 On September 20 2019	14.00	210.00
24	One Unarmed Security Guard From 0600-0600 On September 21 2019	14.00	336.00
24	One Unarmed Security Guard From 0600-0600 On September 22 2019	14.00	336.00
15	One Unarmed Security Guard From 1500-0600 On September 23 2019	14.00	210.00
15	One Unarmed Security Guard From 1500-0600 On September 24 2019	14.00	210.00
15	One Unarmed Security Guard From 1500-0600 On September 25 2019	14.00	210.00
15	One Unarmed Security Guard From 1500-0600 On September 26 2019	14.00	210.00
	Fire Watch Started		
15	One Unarmed Security Guard From 1500-0600 On September 27 2019	17.00	255.00
24	One Unarmed Security Guard From 0600-0600 On September 28 2019	17.00	408.00
24	One Unarmed Security Guard From 0600-0600 On September 29 2019	17.00	408.00
15	One Unarmed Security Guard From 1500-0600 On September 30 2019	17.00	255.00

			<b>Total</b>	\$7,962.00
<b>Phone #</b>	<b>Fax #</b>	<b>E-mail</b>	<b>Web Site</b>	
(818) 343-1642	(818) 975-5251	Info@WMSecuritySolutions.com	www.WMSecuritySolutions.com	

PCI 51



**TITLE:** Framing and Drywall RFI Scope Changes

**DATE:** 11/12/2019

**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 multiple framing and drywall impacts outlined below:

- EWO 68: RFI 220 enlarged the chase in the level 2 break room to accommodate the condensate lines. The chase designed on the drawings did not allow enough room for all of the lines to fit.
- EWO 34: The level 2 mezzanine handrail was installed per RFI 129 which adjusted the soffit transition on level 1 and would not line up with walls. RFI 181 instructed to add another furred wall/soffit to the one installed for ceiling and wall transitions to align on level 1 of the atrium.
- EWO 35: MEPs and smoke guards would not be concealed if installed per architectural drawings at the roof in front of elevator and stair 1. The elevations on the architectural drawings did not show a drop ceiling, just gyp board against the TGI which MEPs could not go through.
- EWO 36: RFI 187 added chase at roof restrooms for plumbing sink vents to go into as there was a window above the sinks and no way for the vents to be routed.
- EWO 37: RFI 188 level 2 atrium soffit change adjusted the level 2 soffit location and changed scope from a dropped hardlid to wrapping the TJI beams with drywall. The drawings showed hardlid and on a walk followed by confirming RFI 188, the AOR requested that instead of installing a hardlid ceiling, to wrap the beams around the level 2 TJIs. This required additional framing to allow for drywall to be installed over metal framing hardware.
- EWO 56: RFI 199 and 209 are the result of furring and beam boxing in the stairwells in order to provide electrical wire path to the light fixture locations. Drawings did not account for how to get the wire to the fixtures, thus a furring option was selected. This was done out of metal studs to expedite install time.
- EWO 66: AOR directed construction team to add one layer of permabase on the roof to protect the exposed waterproofing.

Vendor	Description	Amount
Oltmans Drywall/Door	RFI 220 Enlarging of Break room Chase to Accommodate Condensate Lines. See OCCO Wall EWO 68.	3,324.00
Oltmans Drywall/Door	RFI 181 Level 2 Curtain Wall Ceiling Transition Adjustment. OCCO Wall EWO 34.	2,305.00
Oltmans Drywall/Door	Add Drop Ceiling At Roof In Front Of Elevator. No Chase Shown for any MEPs and Smoke guard on drawings. This was needed to accomplish that. OCCO Wall EWO 35.	1,341.00
Oltmans Drywall/Door	RFI 187 Added Chase at Roof Restrooms for Plumbing Vents. OCCO Wall EWO 36.	1,370.00
Oltmans Drywall/Door	RFI 188 Level 2 Atrium Soffit Change. OCCO Wall EWO 37.	4,991.00
Oltmans Drywall/Door	RFI 199& 209 Added Furring and Beam Boxing in Stairs for Electrical Wiring to Lights. See OCCO Wall EWO 56.	5,925.00
Oltmans Drywall/Door	Add Permabase on Roof at AOR Direction on Walk. See OCCO Wall EWO 66.	1,099.00
	<b>SUBTOTAL:</b>	<b>20,355.00</b>
	Deduct From Wet Soil Allowance	-480.00
	Deduct From Drs 100 & 110 Allowance	-3,103.61
	Deduct From Elevator Floor Allowance	-500.00
	Deduct From Plumbing Fixture Allowance	-2,800.00
	Bond	111.00



**CONSTRUCTION CO.**

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

**POTENTIAL CHANGE ITEM**

PCI051

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Gross Tax	18.00
GL	131.00
SDI	169.00
Fee	689.00
<b>SUBTOTAL:</b>	<b>-5,765.61</b>

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**TOTAL COST FOR THIS CHANGE ORDER REQUEST: 14,589.39**

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**APPROVAL:**

Oltmans Construction Co.

BY:  Trevor Lawton

DATE: 11/12/19

**APPROVAL:**

Magnolia Educational and Research

BY:

DATE:



# Oltmans Wall

**Date:** 7/22/2019  
**Project:** Magnolia Academy - 18161  
**Attn:**  
**Oltmans Construction Co.**  
 10005 Mission Mill Road  
 Whittier, CA 90601

**Extra Work Order No. 68**

**Description of work performed as a change to the contract:** Material, Equipment, and Labor to frame, hang, and tape additional chase for piping and duct work 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	3	\$107.00		\$160.00		\$55.25	\$ 321.00
Foreman	8	\$76.00		\$116.00		\$40.20	\$ 608.00
Carpenter	24	\$74.00		\$114.00		\$37.85	\$ 1,776.00
<b>Labor Total</b>	<b>\$2,705.00</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
Wood 2x6	LF		0.588	\$ -
3-1/4" Nails	BOX		54.970	\$ -
Welding Wire	ROLL		38.500	\$ -
1-5/8" 20ga Studs	LF	96	0.550	\$ 52.80
1-5/8" 20ga Track	LF	48	0.500	\$ 24.00
Cornerbead	LF		0.125	\$ -
Permabase	LF		0.000	\$ -
5/8" WR Board	SQFT		0.590	\$ -
5/8" X58	SQFT	288	0.280	\$ 80.64
Tape	ROLL		7.850	\$ -
Taping Mud	BOX	1	13.500	\$ 13.50
<b>Material Total</b>				<b>\$ 170.94</b>

<b>Subcontractor Total</b>	<b>\$0.00</b>	<b>Material Total</b>	<b>\$</b>	<b>170.94</b>
<b>OH&amp;P on Subcontractor</b>	<b>\$0.00</b>	<b>Tax</b>	<b>9.75%</b>	<b>\$ 16.67</b>
<b>Labor Total</b>	<b>\$2,705.00</b>	<b>OH&amp;P</b>	<b>15%</b>	<b>\$ 431.39</b>

**Grand Total \$3,324.00**

**\*\*Oltmans Superintendent's Labor and Material Verification:** \_\_\_\_\_

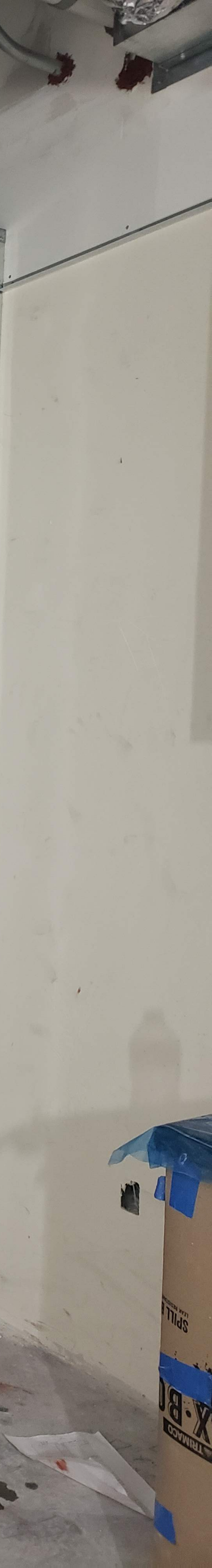
**Oltmans Wall Representative:** \_\_\_\_\_

\*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.





















CONSTRUCTION CO.

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

REQUEST FOR INFORMATION

RFI-220

**SUBJECT:** 2nd Floor Breakroom #211: Condensate & T Stack Conflict

**PROJECT:** Magnolia Science Academy

**TO:** Etmny Cornejo  
Franco Architects Inc.

**FROM:** Elizabeth Lara  
Oltmans Construction Co.

**DATE:** 06/21/2019

**PROJECT NO.:** 18049

**REQUIRED:** 06/26/2019

**COST IMPACT:** POTENTIALLY

**DAYS IMPACT:** POTENTIALLY

**Co-Author:** Oltmans Construction Co.

**Contact:** Trevor Lawton

**Co-Author RFI Number:** Breakroom #211

**Request:**

Requested by Trevor Lawton, OCCO:

As discussed yesterday at the job walk after the OAC meeting; the second floor break room #211; the condensate and T-stack had to be moved in order to accommodate approximately 26 lines of heavy duty copper. The millwork had to be shifted slightly to accommodate for this space. Please see photos and confirm acceptable.

**Suggestion:**

**Answer:**

**Accept Suggestion**

~~Mechanical plans call out condensate pumps by the plumbing contractor, Sheet M1.0, Note #16.~~

**Confirmed.**

**Johann Wang Architect**

**Answered By:**

**Date:** 6/24/2019

**Distribution:**



## A2.1 - Location as referenced on RFI 220



New Location for  
Most of the  
Condensate & T-Sack

Current Location For Condensate  
& T-Stack at Breakroom #211:



Relocation:



New Location for  
Most of the  
Condensate & T-Sack





# Oltmans Wall

**Date:** 3/27/2019  
**Project:** Magnolia Academy - 18161  
**Attn:**  
**Oltmans Construction Co.**  
 10005 Mission Mill Road  
 Whittier, CA 90601

**Extra Work Order No. 34**

**Description of work performed as a change to the contract:** Material, Equipment, and Labor to frame a 6" furred-out curtain wall to match existing beam per RFI 181, Detail 11 on S6.3, and 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		\$116.00		\$40.20	\$ 608.00
Carpenter	16	\$74.00		\$114.00		\$37.85	\$ 1,184.00
<b>Labor Total</b>	<b>\$1,792.00</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
DensGlass	SQFT		0.699	\$ -
Perma Base	BOX		0.875	\$ -
2x6 FT	LF	240	0.588	\$ 141.12
1/2" Plywood FT	LF		0.000	\$ -
3-1/4" Nails	BOX	1	54.970	\$ 54.97
2-5/8" Nails	BOX		35.000	\$ -
	LF		0.000	\$ -
	SQFT		0.000	\$ -
	BOX		0.000	\$ -
	LF		0.000	\$ -
	LF		0.000	\$ -
<b>Material Total</b>				<b>\$ 196.09</b>

<b>Subcontractor Total</b>	<b>\$0.00</b>	<b>Material Total</b>	<b>\$</b>	<b>196.09</b>
<b>OH&amp;P on Subcontractor</b>	<b>\$0.00</b>	<b>Tax</b>	<b>9.75%</b>	<b>\$ 19.12</b>
<b>Labor Total</b>	<b>\$1,792.00</b>	<b>OH&amp;P</b>	<b>15%</b>	<b>\$ 298.21</b>

**Grand Total \$2,305.42**

**\*\*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.

4th Floor Atrium 39 sq. ft. day



# Oltmans Wall

Date: 03-27-2019

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: Refer to RFI-181  
Per Job Walk architect (Sohann Wang) instructed us to use detail S 6.3 detail # 22. Detail shows curtain wall bolted to the side of the beam. T-bar needed to terminate at the beam so we needed to build a 6" fired out curtain wall to match beam.  
3 guys 2 day. ok. jin 3/29/19

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

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

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

Material	Piece count	Amount used
2x6x16	15	15
3/4 x 148 gun nails	1 box	1 box

\*\*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.





CONSTRUCTION CO.

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

REQUEST FOR INFORMATION

RFI-181

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**SUBJECT:** 2nd Floor Curtain Wall  
**PROJECT:** Magnolia Science Academy  
**TO:** Johann Wang  
Franco Architects Inc.  
**FROM:** Elizabeth Lara  
Oltmans Construction Co.

**DATE:** 03/21/2019  
**PROJECT NO.:** 18049  
**REQUIRED:** 03/26/2019  
**COST IMPACT:** POTENTIALLY  
**DAYS IMPACT:** POTENTIALLY

---

**Co-Author:** Oltmans Construction Co.      **Contact:** Jeff Rich      **Co-Author RFI Number:** Curtain Wall

**Request:**

Requested by Jeff Rich, OCCO, 3/21/19:

As discussed with Johann at job walk 3/20/19: At 2nd floor 2/ A6.2 shows the low wall on top of the beam; this is the incorrect detail. Sheet S6.3 detail 11 shows the low wall / curtain wall bolting to the beam; this is the correct detail we followed. The bottom of the curtain wall needs to be widened by 6". Please confirm.

**Suggestion:**

---

**Answer:**       **Accept Suggestion**

Follow SK-034 which was submitted with RFI #129. This is confirmed.

Johann Wang Architect

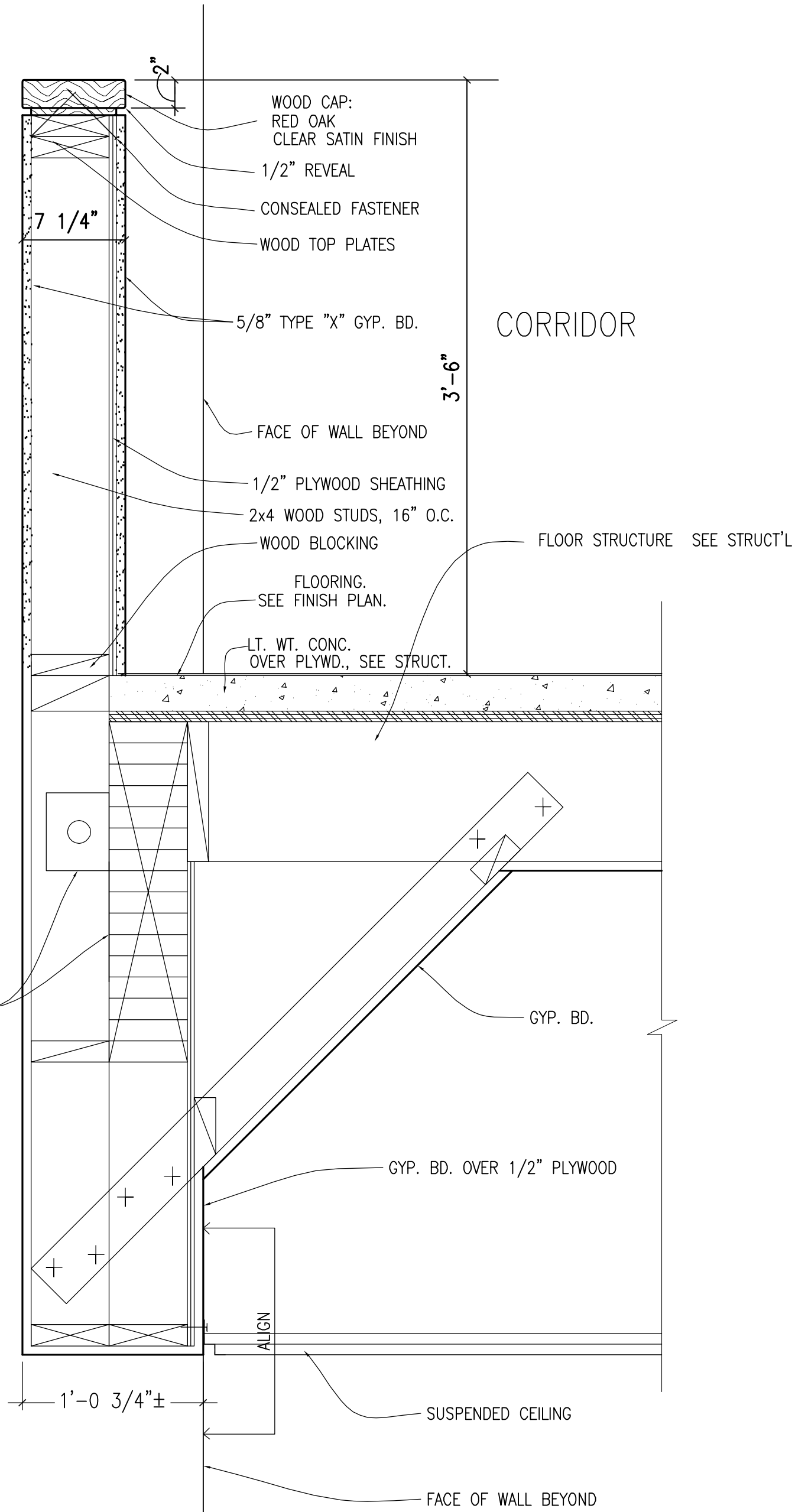
**Answered By:**

**Date:** 03/21/19

**Distribution:**

FLOOR OPENING

CORRIDOR



SUPERSEDE DET. 2/A6.2

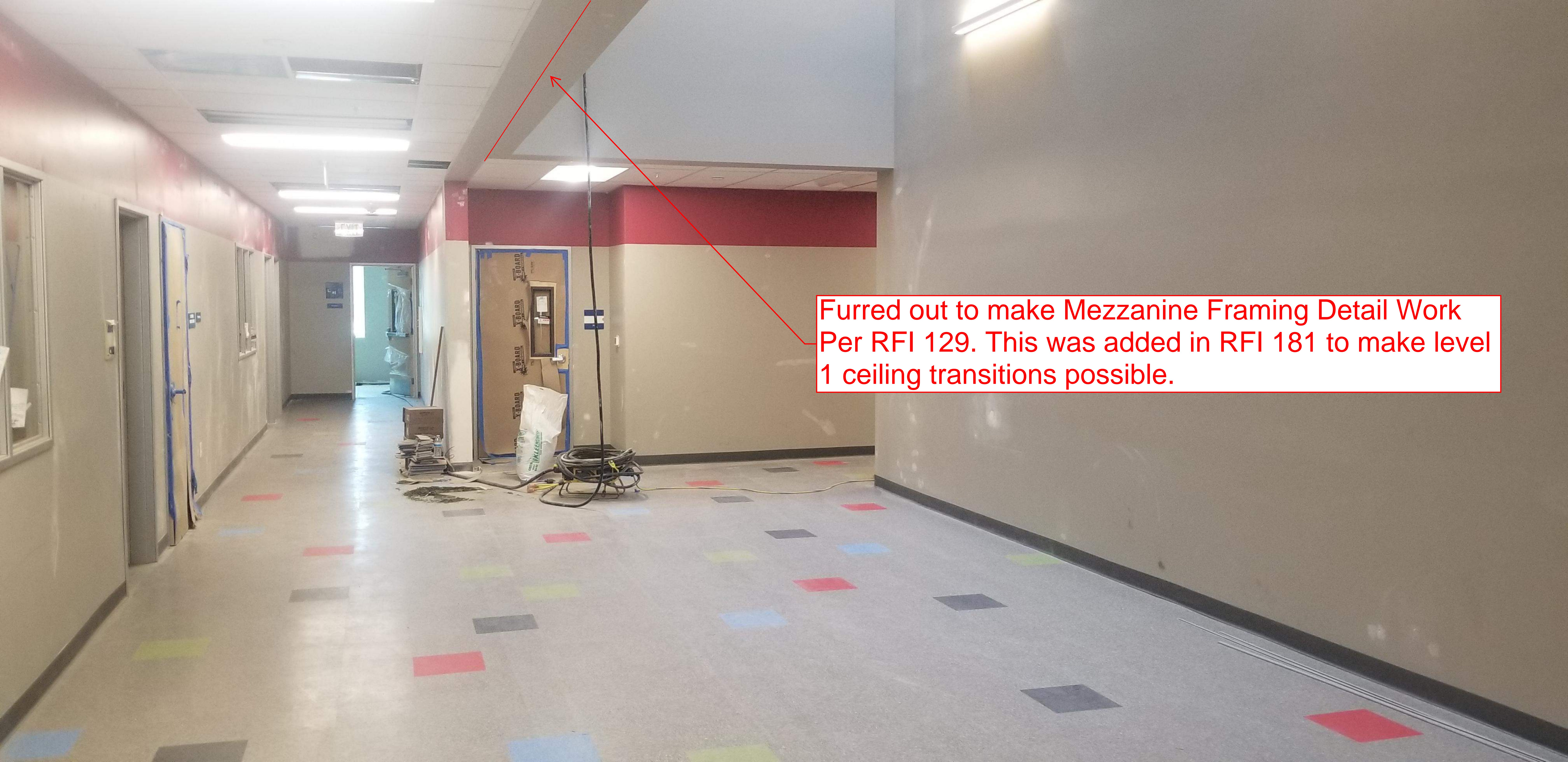
Architect:  
**FRANCO ARCHITECTS**  
 12345 Ventura Blvd. Studio City, CA 91604  
 (818) 754-2030 (818) 754-2032 (FAX)

RE. RFI-129

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

Project No.:	Date: 12/15/2018	Sheet No. 1 OF 1
Drawing Title: <b>LOW WALL AT MEZZANINE</b>	Sketch No. SK-034	





Furred out to make Mezzanine Framing Detail Work Per RFI 129. This was added in RFI 181 to make level 1 ceiling transitions possible.





# Oltmans Wall

**Date:** 3/27/2019  
**Project:** Magnolia Academy - 18161  
**Attn:**  
**Oltmans Construction Co.**  
 10005 Mission Mill Road  
 Whittier, CA 90601

**Extra Work Order No. 35**

**Description of work performed as a change to the contract:** Material, Equipment, and Labor to frame a drop ceiling between stairwell 1 and Girls washroom/Elevator 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	4	\$76.00		\$116.00		\$40.20	\$ 304.00
Carpenter	8	\$74.00		\$114.00		\$37.85	\$ 592.00
<b>Labor Total</b>	<b>\$896.00</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
DensGlass	SQFT		0.699	\$ -
Perma Base	BOX		0.875	\$ -
2x6 FT	LF	240	0.588	\$ 141.12
1/2" Plywood FT	LF		0.000	\$ -
3-1/4" Nails	BOX		54.970	\$ -
2-5/8" Nails	BOX		35.000	\$ -
Simpson HU26 Hangers	EA	24	4.500	\$ 108.00
	SQFT		0.000	\$ -
	BOX		0.000	\$ -
	LF		0.000	\$ -
	LF		0.000	\$ -
<b>Material Total</b>				<b>\$ 249.12</b>

<b>Subcontractor Total</b>	<b>\$0.00</b>	<b>Material Total</b>	<b>\$</b>	<b>249.12</b>
<b>OH&amp;P on Subcontractor</b>	<b>\$0.00</b>	<b>Tax</b>	<b>9.75%</b>	<b>\$ 24.29</b>
<b>Labor Total</b>	<b>\$896.00</b>	<b>OH&amp;P</b>	<b>15%</b>	<b>\$ 171.77</b>

**Grand Total \$1,341.18**

**\*\*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.



high roof ceiling 11x 3 guys 4 hours



# Oltmans Wall

Date: 03 25-2019

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: Refer to A.S.1 Detail 3  
Per Jeff (Superintendent) a drop ceiling ~~roof~~ was added on the high roof. Drop ceiling was added in between stairwell #1 and girls restroom/elevator. Drop ceiling is not shown on elevation drawings.

3 guys = 4 hours

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

LABOR RATES	Straight Hours	Saturday Hours	Sunday Hours	Premium time
Superintendent				
Foreman	4			
Carpenter	8			

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

Material	Piece count	Amount used
2X6X16 Fire-treated	15	15
2X6 hangers	24	24

See S 7.2 detail 6. No drop shown. Drywall to bottom of T&T 2x4.

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

 4/2/19

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:** 3/27/2019  
**Project:** Magnolia Academy - 18161  
**Attn:**  
**Oltmans Construction Co.**  
 10005 Mission Mill Road  
 Whittier, CA 90601

**Extra Work Order No. 36**

**Description of work performed as a change to the contract:** Material, Equipment, and Labor to frame a chase on the roof for sink venting from the washrooms per RFI 187 and 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	6	\$76.00		\$116.00		\$40.20	\$ 456.00
Carpenter	9	\$74.00		\$114.00		\$37.85	\$ 666.00
<b>Labor Total</b>	<b>\$1,122.00</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
DensGlass	SQFT		0.699	\$ -
Perma Base	BOX		0.875	\$ -
2x6 FT	LF	72	0.588	\$ 42.34
1/2" Plywood FT	LF		0.000	\$ -
3-1/4" Nails	BOX		54.970	\$ -
2-5/8" Nails	BOX		35.000	\$ -
Simpson HU26 Hangers	EA		4.500	\$ -
1/2" Plywood CDX	SQFT	32	0.680	\$ 21.76
			0.000	\$ -
			0.000	\$ -
			0.000	\$ -
<b>Material Total</b>				<b>\$ 64.10</b>

<b>Subcontractor Total</b>	<b>\$0.00</b>	<b>Material Total</b>	<b>\$</b>	<b>64.10</b>
<b>OH&amp;P on Subcontractor</b>	<b>\$0.00</b>	<b>Tax</b>	<b>9.75%</b>	<b>\$ 6.25</b>
<b>Labor Total</b>	<b>\$1,122.00</b>	<b>OH&amp;P</b>	<b>15%</b>	<b>\$ 177.91</b>

**Grand Total \$1,370.26**

**\*\*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: April 2, 2019

Project: MST 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: Refer to RFI #187  
We built a chase in the rooftop bathroom to give the plumbers a place to vent the sinks.

2 guys - 6 hours  
1 man - 3 hours ~~labor~~ ~~material~~ ~~used~~

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

LABOR RATES	Straight Hours	Saturday Hours	Sunday Hours	Premium time
Superintendent				
Foreman	6			
Carpenter	6			
Laborer	3			

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

Material	Piece count	Amount used
2x6 x 12	6	6
4x8 x 1/2 CDX PLY	1	1

\*\*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.



CONSTRUCTION CO.

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

REQUEST FOR INFORMATION

RFI-187

**SUBJECT:** Chase for Rooftop Bathrooms

**DATE:** 03/28/2019

**PROJECT:** Magnolia Science Academy

**PROJECT NO.:** 18049

**TO:** Etmny Cornejo  
Franco Architects Inc.

**REQUIRED:** 04/02/2019

**COST IMPACT:** POTENTIALLY

**DAYS IMPACT:** POTENTIALLY

**FROM:** Elizabeth Lara  
Oltmans Construction Co.

**Co-Author:** **Contact:** **Co-Author RFI Number:** Chase Rooftop Ba

**Request:**

Requested by Jeff Rich, OCCO:

We need to provide and install a chase in both roof top bathrooms. The chase is for the plumbers to have someplace to vent the sinks. The chase will be provided and built by OCCO wood framers. This issue was reviewed and a solution directed by Johann yesterday during our job walk.

Please confirm a solution was given in field at job walk 3/27/19.

Reference: A3.1, S3.0

**Suggestion:**

**Answer:**  **Accept Suggestion**

**FUR WALL AND REDUCE WINDOW SIZE AS NECESSARY TO ACOMODATE THE VENT.  
SEE MARKINGS BELOW.**

**JOHANN WANG**

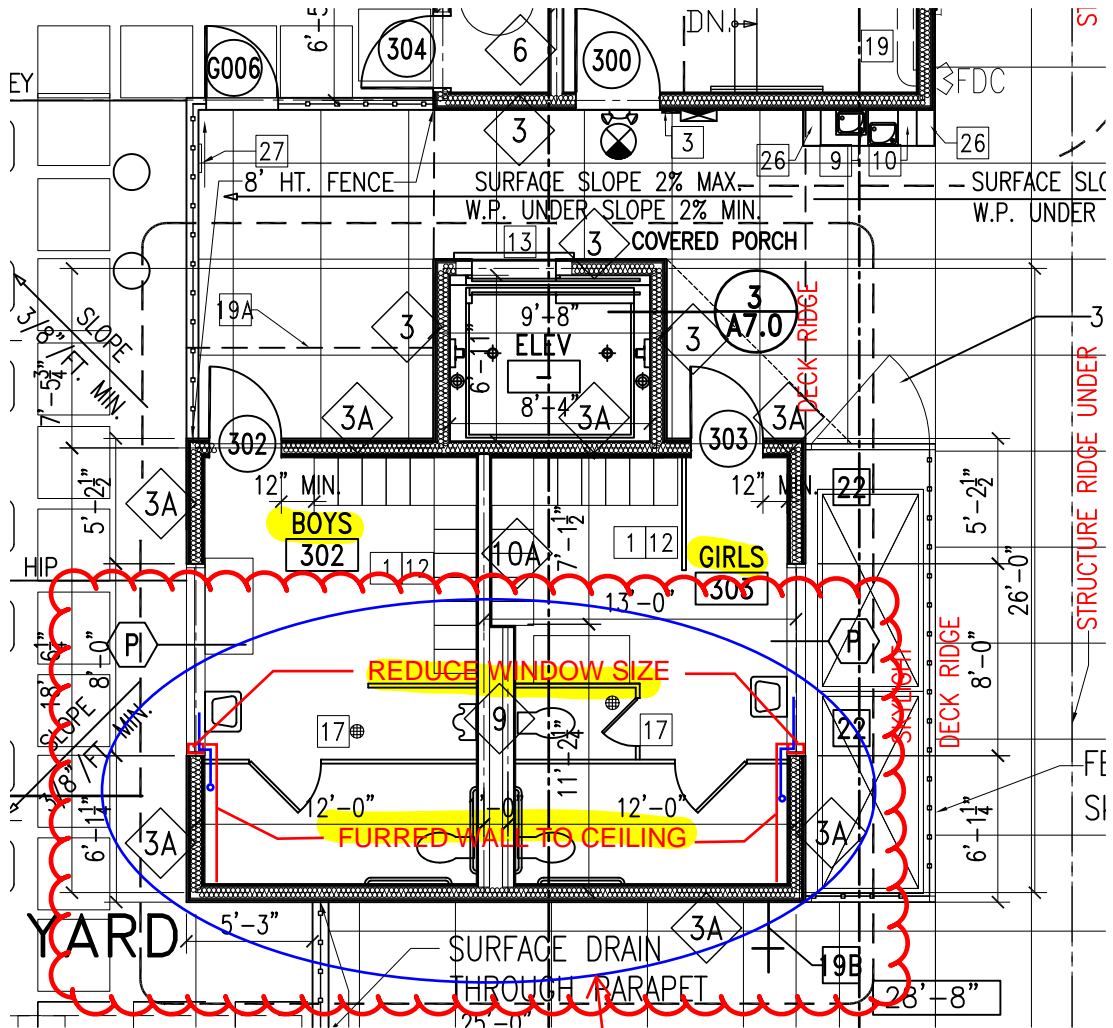
**Answered By:**

**Date:** 03/29/2019

**Distribution:**



# RFI #187 - From Sheet A3.1



RFI #187 Response  
From Johann Wang  
inside blue oblong  
shape: reduce  
window size and  
furred wall to ceiling.



# Oltmans Wall

**Date:** 3/27/2019  
**Project:** Magnolia Academy - 18161  
**Attn:**  
**Oltmans Construction Co.**  
 10005 Mission Mill Road  
 Whittier, CA 90601

**Extra Work Order No. 37**

**Description of work performed as a change to the contract:** Material, Equipment, and Labor to frame a new curtain wall at 2nd floor atrium inline with washrooms, and not skylights per plan, 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	24	\$76.00		\$116.00		\$40.20	\$ 1,824.00
Carpenter	34	\$74.00		\$114.00		\$37.85	\$ 2,516.00
<b>Labor Total</b>	<b>\$4,340.00</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
DensGlass	SQFT		0.699	\$ -
Perma Base	BOX		0.875	\$ -
<del>2X6 F1</del>	<del>LF</del>	<del>400</del>	<del>0.588</del>	<del>\$ 235.20</del>
1/2" Plywood FT	LF		0.000	\$ -
3-1/4" Nails	BOX		54.970	\$ -
2-5/8" Nails	BOX		35.000	\$ -
Simpson HU26 Hangers	EA		4.500	\$ -
	SQFT		0.000	\$ -
	BOX		0.000	\$ -
	LF		0.000	\$ -
	LF		0.000	\$ -
<b>Material Total</b>				<b>\$ 235.20</b>

<del>Subcontractor Total</del>	<del>\$0.00</del>	<del>Material Total</del>	<del>\$</del>	<del>235.20</del>
<del>OH&amp;P on Subcontractor</del>	<del>\$0.00</del>	<del>Tax</del>	<del>9.75%</del>	<del>\$ 22.93</del>
<del>Labor Total</del>	<del>\$4,340.00</del>	<del>OH&amp;P</del>	<del>15%</del>	<del>\$ 686.28</del>

**Grand Total** **\$5,284.41** **\$4,991**

**\*\*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.



25) 2x6x16 2nd floor Atrium  
3 guys 3 days



# Oltmans Wall

Date: 03-27-2019  
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: Refer to A.S.3 Detail 2  
2nd floor atrium per Jeff (superintendent) needed a curtain wall to be built at the wall line of the restrooms and for t-bar to terminate into it. Elevations of the 2nd floor atrium show the curtain wall to be built ~~against~~ against the skylight, not in-line with the bathroom wall line. A credit of 14 hours is credited for the original curtain wall around the skylight.  
3 guys ~~58~~ 58 hours total

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

LABOR RATES	Straight Hours	Saturday Hours	Sunday Hours	Premium time
Superintendent				
Foreman	24			
Carpenter	48 34			

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

Material	Piece count	Amount used
2x6x16	25	25

Hours to be awarded by office.

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

\_\_\_\_\_  
4/2/19

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.

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<b>SUBJECT:</b>	2nd Floor Soffits at Atrium	<b>DATE:</b>	03/28/2019
<b>PROJECT:</b>	Magnolia Science Academy	<b>PROJECT NO.:</b>	18049
		<b>REQUIRED:</b>	04/02/2019
<b>TO:</b>	Johann Wang	<b>COST IMPACT:</b>	POTENTIALLY
	Franco Architects Inc.	<b>DAYS IMPACT:</b>	POTENTIALLY
<b>FROM:</b>	Elizabeth Lara		
	Oltmans Construction Co.		

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<b>Co-Author:</b>	Oltmans Drywall/Door	<b>Contact:</b>	KrisJ@oltmans.com Johnston	<b>Co-Author RFI Number:</b>	OCCO Wall#40
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**Request:**

Requested by Jeff Rich, OCCO & Kris Johnston, OCCO Wall (RFI #40):

We were asked by Johann on our job walk Wednesday 3/20/19 to provide a change at the ceiling line on the 2nd floor. The atrium area has a 'hard lid'. The 2nd floor corridor is t-bar. This is shown on A 2.2 RCP. The hanging curtain wall which divides the t-bar from the hard lid is in question. Sheet A 2.2 shows the curtain wall dividing the t-bar from the hard lid area. However, A5.1 shows the hanging curtain walls located around the skylights. There is a discrepancy on where the curtain walls are to be located. We were told by Johann to follow the A2.2 RCP plan.

We then dropped hard lid area under the skylights. This is shown on A2.2 RCP. Johann has directed Oltmans to hang the drywall directly to the bottom of the TJI's, beams etc as shown on detail 2/A5.1. The dropped hard lid in this area will no longer be installed. While the hanging hard lid will be omitted, the wood framers will need to do some furring to hide some bolts etc, and drywall will need to be finished taped.

Reference: A2.2, 2/A5.1

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**Suggestion:**

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**Answer:**  **Accept Suggestion**

**Confirmed. Furnish as described above.**

**Johann Wang Architect**

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**Answered By:**

**Date:** 04/04/2019

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**Distribution:**



# RFI #40 – SOFFIT 2ND FLOOR ATRIUM

**Due**  
No due date

**Sent on**

**Sent by**  
Adam Fairbrother

## Assigned to

»**Tim Heck**      timh@oltmans.com  
»**Kris Johnston**      krisj@oltmans.com

---

## Question

JEFF(SUPERINTENDENT) DIRECTED US TO BUILD A SOFFIT AT THE ROOF LEVEL JOIST INLINE WITH THE WALL.by Johann on our job walk Wednesday to provide a change at the ceiling line on the 2nd floor. The atrium area has a 'hard lid". The 2nd floor corridor is t-bar. This is shown on A 2.2 RCP. The hanging curtain wall which divides the t-bar from the hard lid is in question. Sheet A 2.2 clearly shows the curtain wall dividing the t-bar from the hard lid area. However, A5.1 shows the hanging curtain walls located around the skylights. There is a discrepancy on where the curtain walls are to be located. I was told by Johann to follow the A2.2 RCP plan.

We then have a dropped hard lid area under the skylights. This is shown on A2.2 RCP. Johann has directed Oltmans to hang the drywall directly to the bottom of the TJI's, beams etc as shown on A5.1 detail 2. The dropped hard lid in this area will no longer be installed. While the hanging hard lid will be omitted, the wood framers will need to do some furring to hide some bolts etc, and drywall will need to finished taped.

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## Answer

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## References (2)

»Photo titled "rcp2"  
»Photo titled "2NDFLOORATRIUM"

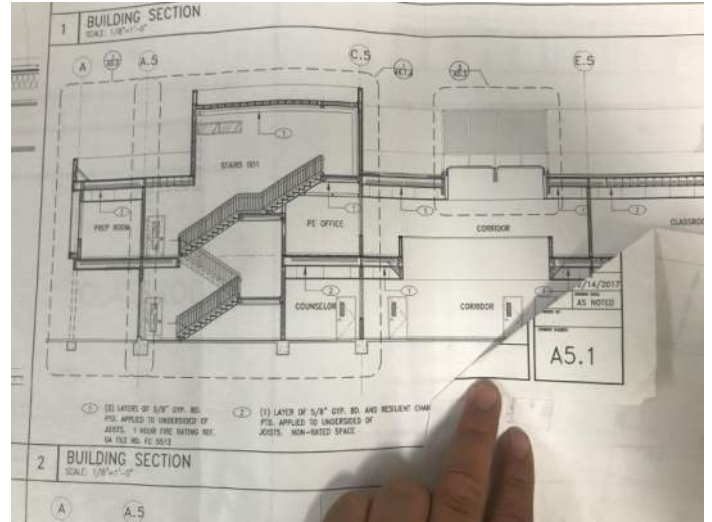
rcp2

Adam Fairbrother | March 22, 2019



2NDFLOOR ATRIUM

Adam Fairbrother | March 21, 2019







# Oltmans Wall

**Date:** 6/10/2019  
**Project:** Magnolia Academy - 18161  
**Attn:**  
**Oltmans Construction Co.**  
 10005 Mission Mill Road  
 Whittier, CA 90601

**Extra Work Order No. 56**

**Description of work performed as a change to the contract:** Material, Equipment, and Labor to frame additional wall to enclose cables for lighting per RFI 199 & 209 and 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	1	\$76.00		\$116.00		\$40.20	\$ 76.00
Carpenter	64	\$74.00		\$114.00		\$37.85	\$ 4,736.00
<b>Labor Total</b>		<b>\$4,812.00</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
6" 16ga Studs	LF		1.450	\$ -
6" 16ga Track	LF		1.389	\$ -
Welding Wire	ROLL		38.500	\$ -
3-5/8" 20ga Studs	LF	160	0.901	\$ 144.16
3-5/8" 20ga Track	LF	80	0.891	\$ 71.28
Cornerbead	LF	100	0.125	\$ 12.50
Simpson HU26 Hangers	EA		4.500	\$ -
5/8" WR Board	SQFT		0.590	\$ -
5/8" X58	SQFT		0.280	\$ -
Tape	ROLL	4	7.850	\$ 31.40
Taping Mud	BOX	4	13.500	\$ 54.00
<b>Material Total</b>				<b>\$ 313.34</b>

<b>Subcontractor Total</b>	<b>\$0.00</b>	<b>Material Total</b>	<b>\$</b>	<b>313.34</b>
<b>OH&amp;P on Subcontractor</b>	<b>\$0.00</b>	<b>Tax</b>	<b>9.75%</b>	<b>\$ 30.55</b>
<b>Labor Total</b>	<b>\$4,812.00</b>	<b>OH&amp;P</b>	<b>15%</b>	<b>\$ 768.80</b>

**Grand Total \$5,924.69**

**\*\*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.



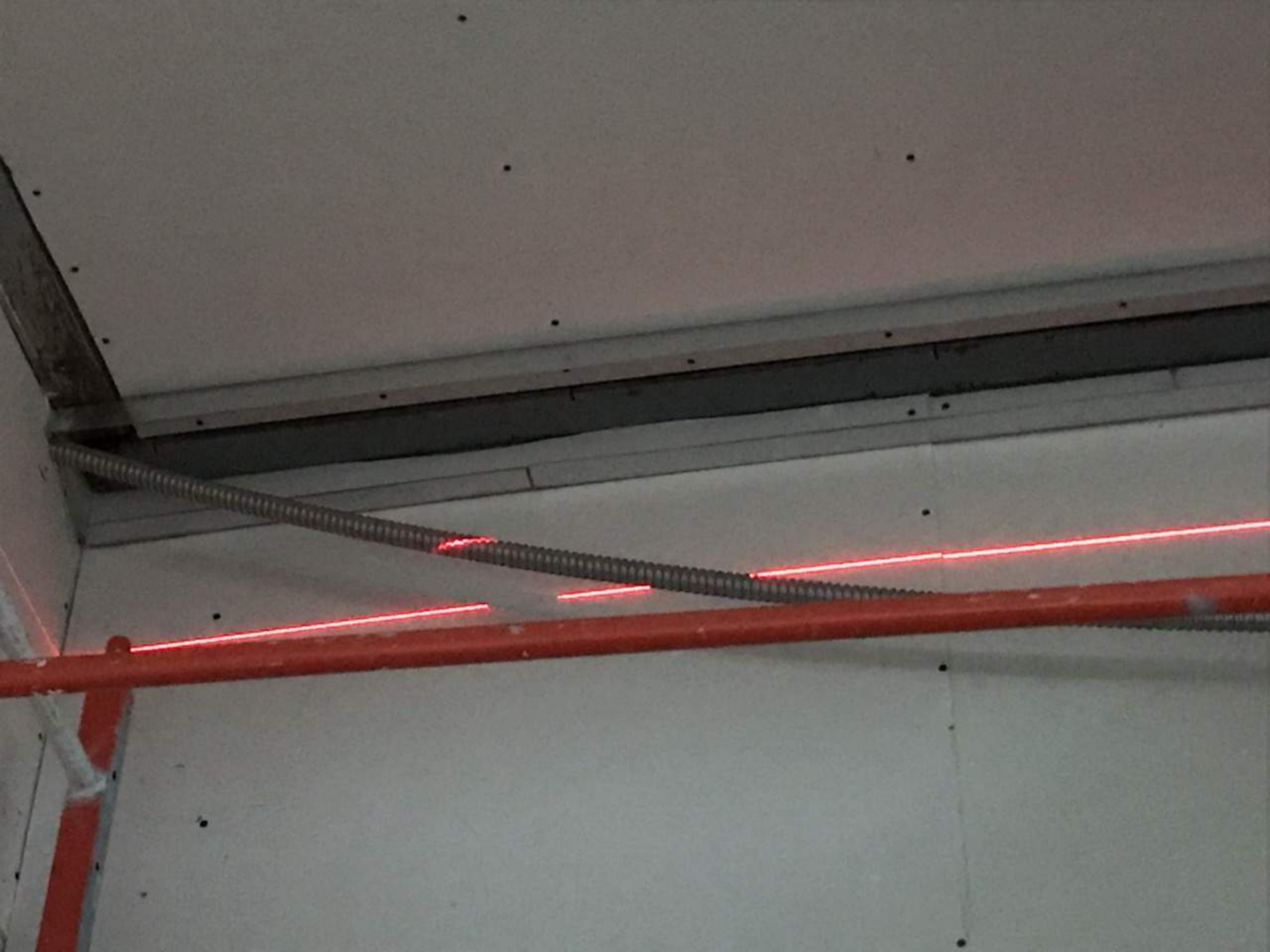
















**SUBJECT:** Type E4 Fixtures at Stairwells**DATE:** 05/01/2019**PROJECT:** Magnolia Science Academy**PROJECT NO.:** 18049**TO:** Etmny Cornejo  
Franco Architects Inc.**REQUIRED:** 05/06/2019**COST IMPACT:** POTENTIALLY**DAYS IMPACT:** POTENTIALLY**FROM:** Elizabeth Lara  
Oltmans Construction Co.**Co-Author:** Safeway Bldg. Systems Inc.  
dba Safeway Electric**Contact:** Carlos Bedoy**Co-Author RFI Number:** 129718-32**Request:**

Requested by Safeway Electric:

Please provide mounting clarification for the E4 fixtures in the stairwells (sheets E3.1 & E3.2). The prints show the fixtures to be mounted on the underside of the steel stairs. Attached is a photo showing the field conditions that are typical for both stairwells. In the photo you can see the all Steel Stairs are surrounded by Beams and Gluelams.

We suggest furring out past any steel cross beam to gluelam to run our wiring for fixture control otherwise we need Engineered details on penetrating the steel cross members and Gluelams.

See attachment including photo.

Reference: E3.1 & E3.2

**Suggestion:****Answer:** **Accept Suggestion**

Accept the furring suggested.

Johann Wang, Architect

**Answered By:****Date:** 05/03/19**Distribution:**



1474 Miller Drive | Colton, CA 92324  
Phone (909) 824-6075 Fax (909) 824-0571  
www.safewaybsi.com  
CA Contractor's License # 387886  
C-7 | C-10 | C-46 Since 1980

## Request For Information

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E129718 — E129718 Oltmans-Magnolia Science Center RFI Subject : Type E4 Fixtures in Stairwells

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**To** Trevor Lawton  
Oltmans Construction  
10005 Mission Mill Road  
Whittier  
Whittier, ca 90601  
Mobile: 916-276-7666  
TrevorL@oltmans.com

RFI Number : E129718-32  
RFI Revision Number : 0  
RFI Date : 4/30/2019  
Type : Original RFI

---

**Return To** April Paramo  
Safeway Electric  
Phone No: (909) 219-9894  
Mobile: (909) 653-6409  
Fax No: (909) 824-0571  
projectsupport@safewaybsi.com

### Clarification Requested

Please provide mounting clarification for the E4 fixtures in the stairwells (sheets E3.1 & E3.2). The prints show the fixtures to be mounted on the underside of the steel stairs. Attached is a photo showing the field conditions that are typical for both stairwells. In the photo you can see the all Steel Stairs are surrounded by Beams and Gluelams.

We suggest furring out past any steel cross beam to gluelam to run our wiring for fixture control otherwise we need Engineered details on penetrating the steel cross members and Gluelams.

---

### Schedule / Cost Impact

To mitigate schedule delay, return by the following date **5/3/2019**.

This problem is impacting our progress

This problem is possibly impacting our costs (other than schedule costs)

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*Please provide a written directive on how to proceed. Descriptions of materials and methods should be accompanied by drawings, sketches and specifications if not covered by applicable contract documents. Please re-review relevant submittals referenced above.*

---

**Signed By:**

**April Paramo**  
Project Administrator

**Dated:** 4/30/2019







**SUBJECT:** Light Discrepancies Clarification - E sheets vs. A sheets**DATE:** 05/28/2019**PROJECT:** Magnolia Science Academy**PROJECT NO.:** 18049**TO:** Johann Wang**REQUIRED:** 05/30/2019

Franco Architects Inc.

**COST IMPACT:** POTENTIALLY**DAYS IMPACT:** POTENTIALLY**FROM:** Elizabeth Lara

Oltmans Construction Co.

**Co-Author:** Safeway Bldg. Systems Inc.  
dba Safeway Electric**Contact:** Carlos Bedoy**Co-Author RFI Number:** E129718-33**Request:**

Requested by April Paramo, Safeway,

Per job walk through/meeting Wed. (5/8/19) with Safeway Foreman Chris Baskett, Jeff Rich and the Engineer-Regarding the light fixture discrepancies in the E vs. A sheets. See the attached PDF sheets showing the relocating of certain fixtures to address the field and print issues with using what we have purchased already.

The only added cost will be the addition of (2) E4EM fixtures. We have the required number of E4 fixtures now. I suggest ordering the Emergency battery back up and rewiring it into our existing E4. Or ordering the correct fixtures.

Please advise.

See attachments.

**Suggestion:****Answer:** **Accept Suggestion**

[Accept suggestion. Order emergency battery back up.](#)

[Johann Wang, Architect](#)

**Answered By:****Date:** 05/28/19**Distribution:**





1474 Miller Drive | Colton, CA 92324  
Phone (909) 824-6075 Fax (909) 824-0571  
www.safewaybsi.com  
CA Contractor's License # 387886  
C-7 | C-10 | C-46 Since 1980

## Request For Information

E129718 — E129718 Oltmans-Magnolia  
Science Center

RFI Subject : **Light Discrepancies Clarification - E sheets  
vs. A sheets**

**To** Trevor Lawton  
Oltmans Construction  
10005 Mission Mill Road  
Whittier  
Whittier, ca 90601  
Mobile: 916-276-7666  
TrevorL@oltmans.com

RFI Number : **E129718-33**  
RFI Revision Number : **0**  
RFI Date : 5/14/2019  
Type : Original RFI

**Return To** April Paramo  
Safeway Building Systems, Inc  
Phone No: 9518189607  
Mobile: 9096536409  
aparamo@safewaybsi.com

### Clarification Requested

Per job walk through/meeting Wed. (5/8) with Safeway Foreman Chris Baskett, Jeff Rich and the Engineer- Regarding the light fixture discrepancies in the E vs. A sheets.

See the attached PDF sheets showing the relocating of certain fixtures to address the field and print issues with using what we have purchased already.

The only added cost will be the addition of (2) E4EM fixtures. We have the required number of E4 fixtures now. I suggest ordering the Emergency battery back up and rewiring it into our existing E4. Or ordering the correct fixtures.

Please advise. In the meantime, we have requested lead-time from our vendors.

### Schedule / Cost Impact

To mitigate schedule delay, return by the following date **5/17/2019**.

This problem is impacting our progress

This problem is possibly impacting our costs (other than schedule costs)

*Please provide a written directive on how to proceed. Descriptions of materials and methods should be accompanied by drawings, sketches and specifications if not covered by applicable contract documents. Please re-review relevant submittals referenced above.*

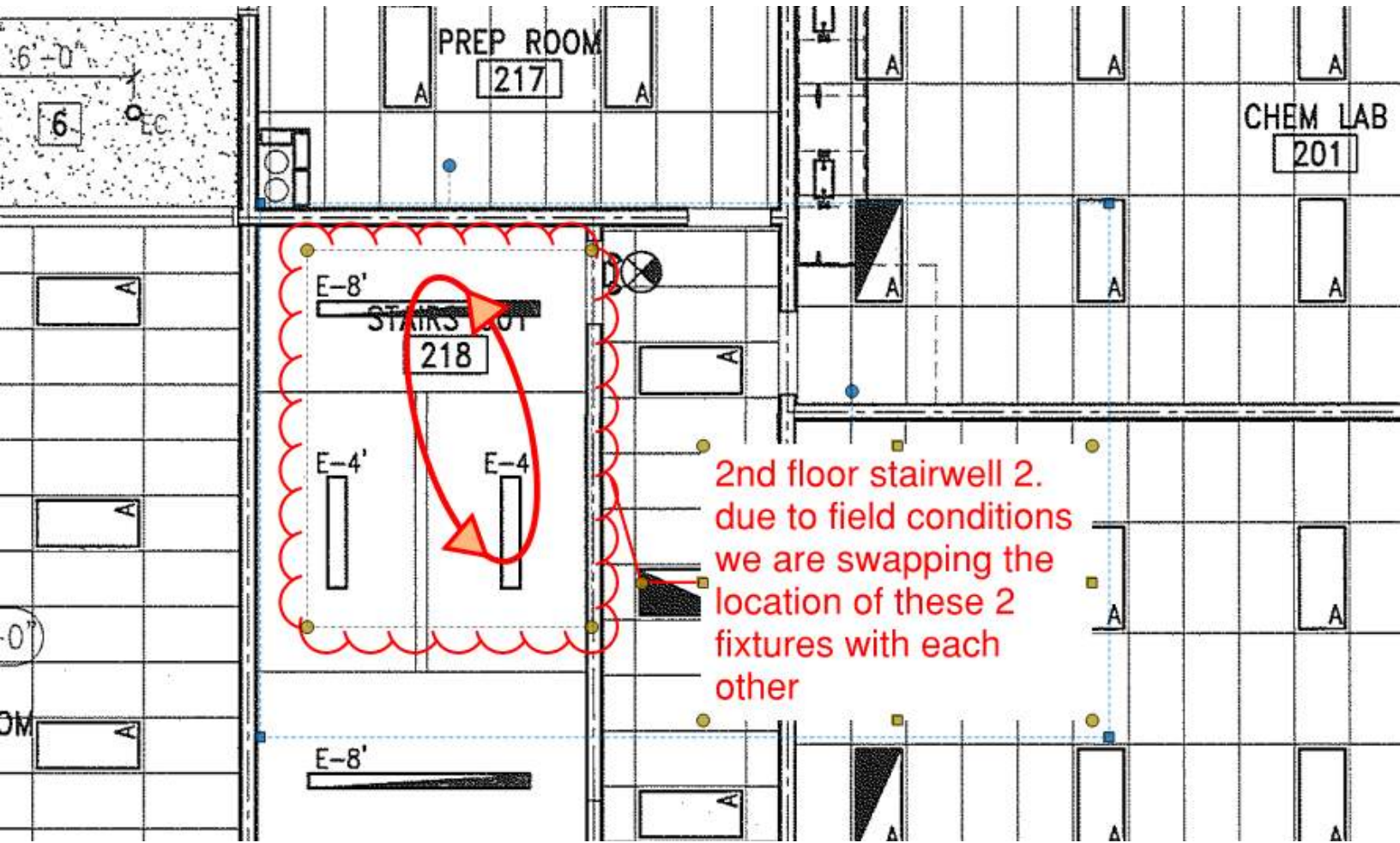
**Signed By:**

A handwritten signature in black ink, appearing to read "April Paramo". The signature is fluid and cursive, with the first name "April" and the last name "Paramo" clearly distinguishable.

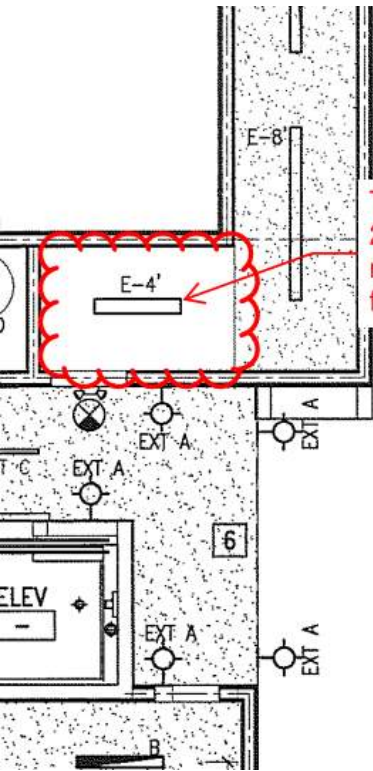
**April Paramo**  
**Project Administrator**

**Dated:** 5/14/2019

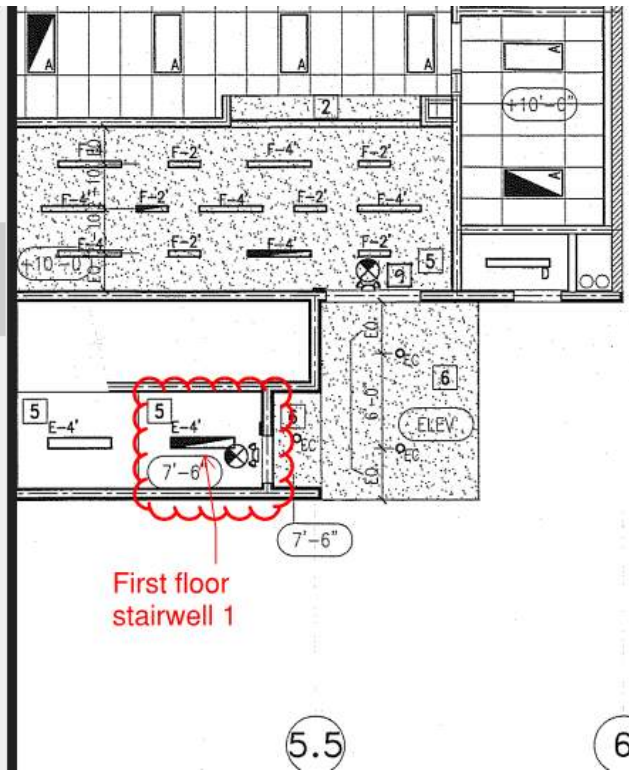




2nd floor stairwell 2.  
due to field conditions  
we are swapping the  
location of these 2  
fixtures with each  
other



This 3rd floor stairwell  
2 - 4' fixture will  
relocate to the 1st  
floor stairwell 1



First floor  
stairwell 1

OUTDOOR  
6,123 S  
408 OCC







# Oltmans Wall

**Date:** 7/15/2019  
**Project:** Magnolia Academy - 18161  
**Attn:**  
**Oltmans Construction Co.**  
 10005 Mission Mill Road  
 Whittier, CA 90601

**Extra Work Order No. 66**

**Description of work performed as a change to the contract:** Material, Equipment, and Labor to install added layer of permabase to low wall on roof 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		\$116.00		\$40.20	\$ 608.00
Carpenter	4	\$74.00		\$114.00		\$37.85	\$ 296.00
<b>Labor Total</b>	<b>\$904.00</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
Wood 2x6	LF		0.588	\$ -
3-1/4" Nails	BOX		54.970	\$ -
Welding Wire	ROLL		38.500	\$ -
3-5/8" 20ga Studs	LF		0.901	\$ -
3-5/8" 20ga Track	LF		0.891	\$ -
Cornerbead	LF		0.125	\$ -
Permabase	LF	24	1.980	\$ 47.52
5/8" WR Board	SQFT		0.590	\$ -
5/8" X58	SQFT		0.280	\$ -
Tape	ROLL		7.850	\$ -
Taping Mud	BOX		13.500	\$ -
<b>Material Total</b>				<b>\$ 47.52</b>

<b>Subcontractor Total</b>	<b>\$0.00</b>	<b>Material Total</b>	<b>\$</b>	<b>47.52</b>
<b>OH&amp;P on Subcontractor</b>	<b>\$0.00</b>	<b>Tax</b>	<b>9.75%</b>	<b>\$ 4.63</b>
<b>Labor Total</b>	<b>\$904.00</b>	<b>OH&amp;P</b>	<b>15%</b>	<b>\$ 142.73</b>

**Grand Total \$1,098.88**

**\*\*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.















PCI 52





CONSTRUCTION CO.

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

POTENTIAL CHANGE ITEM

PCI052

**TITLE:** Structural Steel RFI Scope Changes

**DATE:** 11/12/2019

**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 below items:

-RFI 138 required modifications of the stair1 landing as the top of the stairs were in the same place as the wood TJI truss. There was steel bracket additions to the landing to tie into the wood GLB.

-RFI 154 changed the catalog strap to a steel welded strap as the strap from the catalog could not be used to match the roof pitch redesigned in bulletin 4/5.

-RFI 73 was generated because the SEOR would not approve the use of light poles on the roof, so the roof screen had to be extended at multiple locations for light fixtures to mount to. Light poles purchased were turned over to the school at project's end.

Vendor	Description	Amount
KDR Steel Co.	RFI 138 and 154 stair landing and strap modifications. See KDR Steel COR 6 for reference.	4,950.00
KDR Steel Co.	RFI 73 extension of roof screen for light poles. See KDR COR 4R2 for reference.	6,800.00
<b>SUBTOTAL:</b>		<b>11,750.00</b>
	Bond	97.00
	Gross Tax	16.00
	GL	114.00
	SDI	147.00
	Fee	601.00
<b>SUBTOTAL:</b>		<b>975.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>12,725.00</b>

**APPROVAL:**

Oltmans Construction Co.

BY:  Trevor Lawton

DATE: 11/12/19

**APPROVAL:**

Magnolia Educational and Research

BY:

DATE:



# KDR STEEL

## STRUCTURAL STEEL & MISC. METALS

8225 GOLDMINE AVE. FONTANA, CA. 92335 PHONE: (909) 822-1155 FAX: (909) 822-1166 SITE: [WWW.KDRSTEEL.COM](http://WWW.KDRSTEEL.COM)

### CHANGE ORDER 6

WEDNESDAY, MAY 15<sup>TH</sup>, 2019

*BID DOCS:*

*SUBMITTED TO*

*ATTN:* ESTIMATING DEPT.

*PROJECT /ADDRESS*

MAGNOLIA SCIENCE ACADEMY  
RESEDA, CALIFORNIA

### SCOPE: CHANGE ORDER

- FIELD WELDING OF ALL STRAP PLATES - \$1,400.00
  - EQUIPMENT - \$500.00
  - FIELD LABOR 10 HOURS AT \$90 PER HOUR - \$900.00
- RFI #38 - STAIR #1 LANDING CONFLICT MODIFICATION - \$2,375.00
  - Material - \$360.00
  - Shop Labor 3 Hours @ \$55 - \$165.00
  - Field Labor 15 Hours at \$90 - \$1,350.00
  - Equipment - \$500.00
- RFI #154 - 07 Qty - 1/8 Plate x 7"-14" - Furnish and install - \$1,200.00
  - Material - \$220.00
  - Shop Labor 2 Hours at \$55 - \$110.00
  - Field Labor 03 Hours at \$90 - \$270.00
  - Equipment - \$300.00
  - Delivery - \$300.00

**LUMP SUM PRICE: \$4,950.00**

#### SPECIFIC EXCLUSIONS:

- FINISH PAINT
- ANY WORK NOT SPECIFIED

#### EXCLUSIONS

BOLTS EXCEPT TO ERECT STEEL  
METAL 12 GA AND LESS  
CATCH BASINS AND TRENCH DRAINS  
TESTS AND INSPECTIONS

CUTTING OR DRILLING OF CONCRETE  
PIPE SLEEVES FOR OTHER TRADES  
STD MFG'D. METAL CONNECTIONS  
NON FERROUS METAL

#### OTHER EXCLUSIONS

ALL ITEMS OTHER THAN THOSE NOTED ABOVE EXCLUSIONS SECTION, & ANY STAINLESS STEEL ITEMS

THIS PROPOSAL INCLUDES THE TERMS AND CONDITIONS ON THE REVERSE SIDE, AND IS SUBJECT TO YOUR WRITTEN ACCEPTANCE WITHIN 30 DAYS FROM BID DATE. WHEN ACCEPTED BY YOU WITHIN SUCH TIME, THIS PROPOSAL WILL CONSTITUTE A CONTRACT OF SALE BETWEEN OURSELVES AS SELLER AND YOU AS PURCHASER.

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

DATE \_\_\_\_\_

*KDR STEEL IS A CALIFORNIA STATE CONTRACTOR LICENSED COMPANY & CITY OF LOS ANGELES FABRICATOR LICENSED COMPANY*



**SUBJECT:** Stair #1 Top Landing Conflict**PROJECT:** Magnolia Science Academy**TO:** Johann Wang  
Franco Architects Inc.**FROM:** Elizabeth Lara  
Oltmans Construction Co.**DATE:** 01/10/2019**PROJECT NO.:** 18049**REQUIRED:** 01/15/2019**COST IMPACT:** POTENTIALLY**DAYS IMPACT:** POTENTIALLY**Co-Author:** Oltmans Construction Co.**Contact:** Jeff Rich**Co-Author RFI Number:** Stair #1**Request:**

Requested by Jeff Rich, OCCO:

Stair #1 has an issue at the top. The top landing and the existing Red Built TJI's are trying to occupy the same space. Johann reviewed on site. Please make recommendations. I would suggest the TJI be cut back and hung off a beam. Fill in under the stair pan with shorter lumber. Perhaps 2 x 8 lumber.

Reference 2/A5.1 &amp; submittal#06100-02

**Suggestion:****Answer:** **Accept Suggestion**

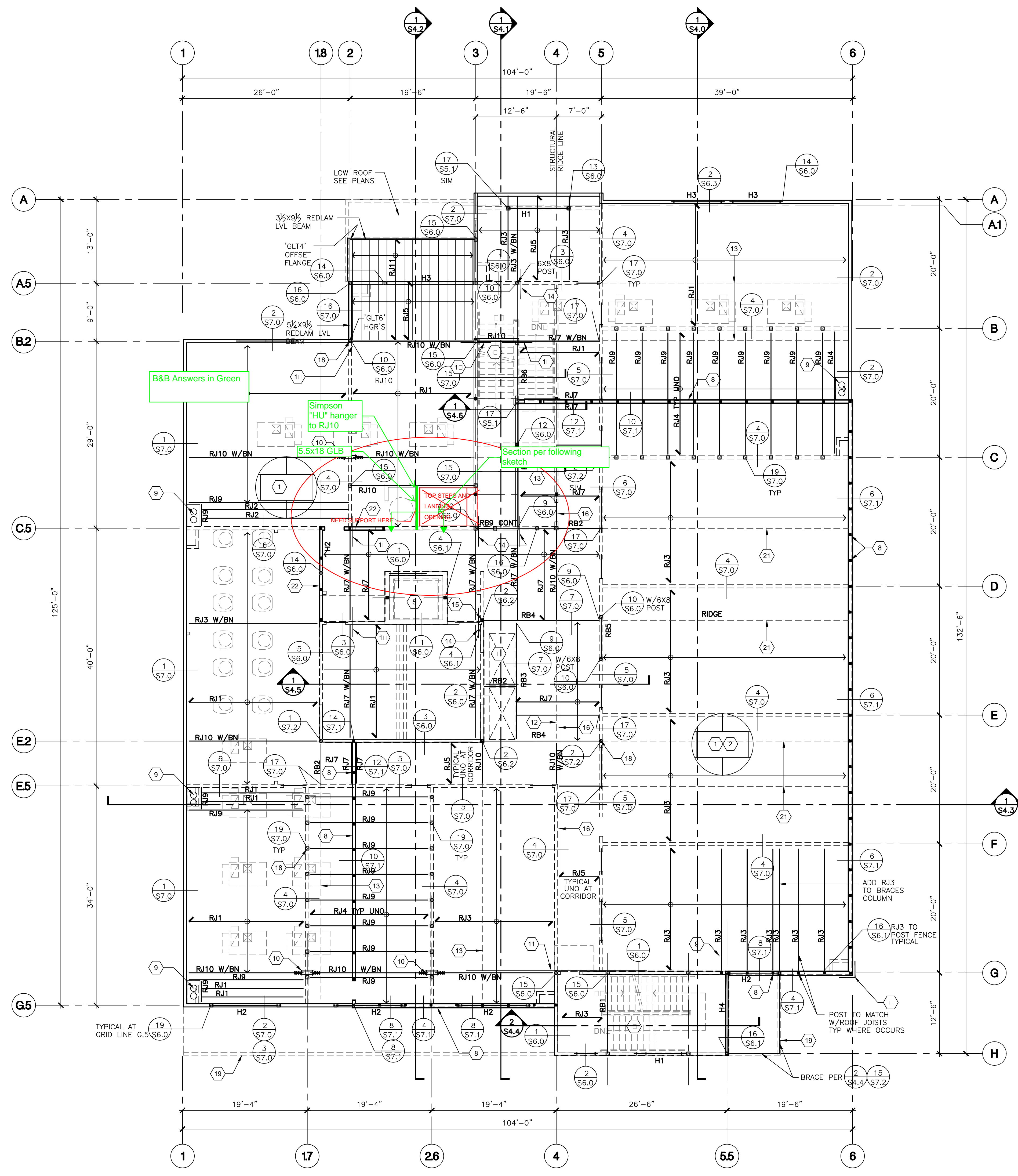
Please see the following markup and sketch

Z.C.

**Answered By:****Date:** 01/15/2019**Distribution:**



January 30, 2018 - 6:48 am - User: escor - X:\17-127 Magnolia Science Ac. edemey\1 Structural Plans\S30-Roof Framing Plan.dwg



- SEE GENERAL NOTES ON SHEET S0.1 & S0.2
- FOR DIMENSIONS, INTERIOR PARTITIONS, & CONDITIONS NOT SHOWN SEE ARCH'L DWG'S & FIELD VERIFY.
- FOR NON-BEARING INTERIOR PARTITION WALLS TO ROOF SEE DETAILS S5.1
- TYPICAL WOOD STUD FRAMING SEE DETAIL S5.1
- WHERE DETAIL IS NOT CALL OUT USE SIMILAR DETAIL SHOWN ELSEWHERE ON THESE STRUCTURAL PLANS. FIELD VERIFY
- FOR TOP PLATE SPLICE SEE DETAIL S5.1
- FOR ROOF PLYWOOD NOTE SEE DETAIL S5.1
- FOR STUD BORING/NOTCH SEE DETAILS S5.1, S5.1, S5.1
- FOR HEADERS NOT SHOWN ON PLANS SEE DETAIL S5.1
- ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. PLYWOOD SPANS SHALL CONFORM WITH TABLE 2304.7 and FOR DETAIL SEE DETAIL S5.1
- ALL DIAPHRAGM NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX.
- ALL BOLT HOLES SHALL BE DRILLED 1/32" TO 1/16" OVERSIZED.
- ALL TOP PLATES ARE 2-2X6 CONT MACHINE STRESS RATED or REDLAM LVL BY REDBUILT

**1 NOTES**  
S3.0 SCALE: 1/8"=1'-0"

- ROOF PLYWOOD TYPICAL ENTIRE ROOF AREA (UNO):  
1 1/2" PLYWOOD OVER GLUE OVER 3/4" PLYWOOD SHEATHING FOR MORE INFORMATION SEE S7.0, S7.1 TYPICAL ON ENTIRE AREA
- PLAY YARD AREA (SEE ARCH'L):  
AT HATCHED AREA PROVIDE ADDITIONAL 3" MINIMUM TO 6" MAXIMUM FOR SLOPE LIGHT WEIGHT CONCRETE TOPPING OVER #15 ASPHALT FELT MINIMUM and WITH WELDED WIRE MESH 6X6-W4X4 IN MIDDLE OF THE TOPPING.
- ROOF UNIT ON PLATFORM PER DETAIL S7.1 and FOR LOCATION SEE ARCH PLANS
- ROOF OPENING (SKYLIGHT) PER DETAIL S7.1
- ELEVATOR PIT SEE PLAN
- STEEL STAIR PER ARCH'L PLANS and SHEETS S8.0, S8.1 and FOR MORE INFORMATION SEE SECTIONS S4.1, S4.4, S4.6
- SIMPSON 'MST60' AT TOP PLATE BENT EQUAL TYP AT CORNERS
- 11'-6" SCREEN FENCE SEE ARCHITECTURAL PLANS and SHEET S7.1
- ROOF DRAINAGE PER DETAIL S7.1
- 2-SIMPSON 'HD12' EA SIDE
- STRAP PER DETAIL S7.2
- 4X6CONT FLAT BLOCKING FOR STRAP NAILING SEE PLAN
- SIMPSON 'CMST12' CONT ON 4X6CONT FLAT BLOCKING STRAP NAILED BY MANUFACTURER SPECIFICATIONS and LAP WITH ADJACENT MEMBER & SPLICE PER MANUFACTURER SPECIFICATIONS UNO ON PLANS
- SIMPSON 'CMST12' ATTACHING ROOF JOISTS
- HSS5X5 1/2" FULL HEIGHT FROM FOOTING TO BEAM
- 6X1/2" CONT STRAP WITH 2 ROWS OF 16d COMMON NAILS and 17'-0" LAP WITH EACH SHEAR WALLS ALONG GRID LINE 4. FOR CONNECTION TO SHEAR WALLS SEE DETAIL S7.2
- NOT USED.
- 6X6 DF#1 POST UNO. PROVIDE POST TO FOUNDATION TYPICAL WHERE OCCURS
- AWNING BELOW SEE PLANS
- AWNING BY OTHERS SEE ARCH'L PLANS & DETAIL S7.1
- 5X1/2" CONT STRAP WITH 2 ROWS OF 16d COMMON NAILS and 10'-0" LAP WITH SHEAR WALLS OR BEAMS. SEE SIMILAR DETAIL S7.2
- 8'-0" SCREEN FENCE SEE ARCHITECTURAL PLANS and SHEET S7.1

**2 KEY NOTES**  
S3.0 SCALE: 1/8"=1'-0"

TYPE	DESIGNATION	CAM-ER	HANGER
R-1	18" RED-I65 ROOF JOISTS AT 16" OC		'HIT318'
R-2	18" RED-I90H ROOF JOISTS AT 16" OC		'HIT418'
R-3	2 1/2"x18 GLU-LAM JOISTS AT 16" OC	1/4"	'HIT318'
R-4	2 1/2"x18 GLU-LAM JOISTS AT 16" OC	1/2"	
R-5	1 1/2"x18 RED-LAM LVL AT 16" OC		MIT1.8/18
R-6	2x8 ROOF JOISTS AT 16" OC		'HIT318'
R-7	2 1/2"x18 GLU-LAM JOISTS AT 16" OC		'HIT318'
R-8	14" RED-I65 ROOF JOISTS AT 16" OC		'HIT418'
R-9	3/4"x18 RED LAM LVL ROOF JOISTS		
R-10	5/8"x18 RED LAM LVL ROOF JOISTS		
R-11	2X10 DF#1 AT 16" OC		

- NOTES:**
- HANGERS BY SIMPSON STRONG-TIE OR SIMILAR APPROVED.
  - JOISTS HANGERS PER MANUFACTURER JOISTS COMPANY, OR AS SHOWN ABOVE.
  - PROVIDE 3XSTUD UNDER ALL ROOF JOISTS.
  - ROOF JOISTS 'RJ7' IS BETWEEN GRID LINES 3-5 AND GRID LINE 4 IS THE STRUCTURAL RIDGE LINE. SHAPE AS REQ'D 'RJ7' FIELD VERIFY

TYPE	DESIGNATION	CAM-ER	HANGERS
R-1	5 1/2"x18 GLB	0"	
R-2	5 1/2"x18 GLB	0"	SIMPSON 'HGLT6'
R-3	5 1/2"x30 GLB	3/8"	DETAIL 9/S6.0
R-4	5 1/2"x30 GLB	3/8"	DETAIL 9/S6.0
R-5	5 1/2"x24 GLB	0"	
R-6	5 1/2"x30 GLB	3/8"	
R-7	W8X48		
R-8	5 1/2"x30 GLB	0"	
R-9	5 1/2"x24 GLB	0"	
R-10	6X12 DF#1		
H-1	6X14 DF#1		
H-2	6X18 DF#1		
H-3	6X18 DF#1		

- NOTES:**
- FOR HEADER NOT CALL OUT REFER TO TYPICAL DETAIL S5.1
  - ALL HEADERS 'H1' ON 6X6 DF#1 POST UNO and 'H2' ON 6X8 DF#1 POST UNO PER DETAIL S6.0
  - AN 'AIC' CERTIFICATE OF INSPECTION FOR ALL GLUED LAMINATED TIMBER SHALL BE SUBMITTED TO THE BUILDING AND SAFETY INSPECTOR PRIOR TO ERECTION.
  - WHERE WOOD BEAM IS SUPPORTED BY A STEEL BEAM, THE WOOD BEAM HANGER WILL BE WELDED TO STEEL BEAM.
  - ROOF BEAM 'RB4' IS BETWEEN GRID LINES 3-5 AND GRID LINE 4 IS THE STRUCTURAL RIDGE LINE. SHAPE AS REQ'D 'RB4' FIELD VERIFY

**3 BEAMS SCHEDULES**  
S3.0 SCALE: 1/8"=1'-0" **BID SET 03-07-18**

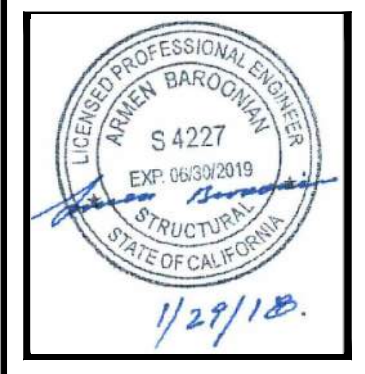
**A ROOF FRAMING PLAN on 2nd FLOOR BEARING WALLS**  
S3.0 SCALE: 1/8"=1'-0"  
NOTES: 1. SHOWING ONLY BEARING WALLS ON PLAN, FOR NON-BEARING WALL SEE ARCH'L PLANS  
2. VERIFY ALL DIMENSIONS WITH ARCHITECT PLANS, ANY CONFLICT ARCHITECT PLANS GOVERN.

**FRANCO ARCHITECTS INC.**  
12345 Ventura Blvd. H  
Studio City, CA 91604  
Tel: 818 754-2000  
Fax: 818 754-2000  
Architecture and Planning

**B & B ASSOCIATES**  
18650 29th Street, Suite 100, Redwood City, CA 94061  
Tel: 650 394-1888 Fax: 650 394-1899  
www.bnbassociates.com

**MAGNOLIA SCIENCE ACADEMY**  
18220 SHERMAN WAY, REDWOOD CITY, CA 94061

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

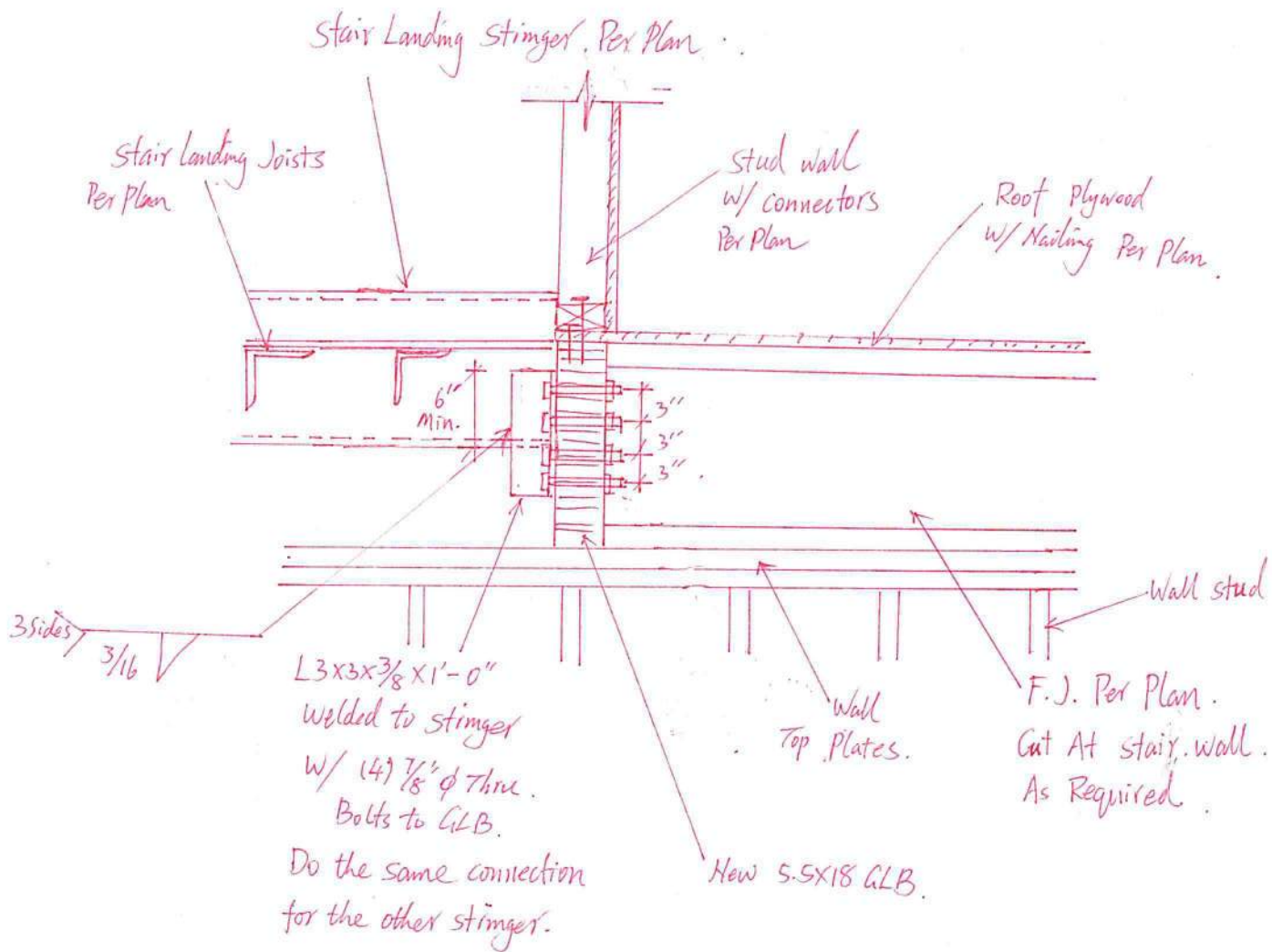


**MAGNOLIA SCIENCE ACADEMY**  
18220 SHERMAN WAY, REDWOOD CITY, CA 94061

**ROOF FRAMING PLAN**  
DATE: 12/19/2017  
JOB NUMBER: 17-127  
DRAWING DATE: AS NOTED

**S3.0**







**SUBJECT:** Top Plate CMST12 Strap  
**PROJECT:** Magnolia Science Academy

**DATE:** 02/11/2019

**PROJECT NO.:** 18049

**REQUIRED:** 02/14/2019

**TO:** Johann Wang  
Franco Architects Inc.

**COST IMPACT:** POTENTIALLY

**DAYS IMPACT:** POTENTIALLY

**FROM:** Elizabeth Lara  
Oltmans Construction Co.

**Co-Author:** Oltmans Construction Co.

**Contact:** Jeff Rich

**Co-Author RFI Number:** 6/S7.1 Strap

**Request:**

Requested by Jeff Rich, OCCO:

Sheet S 7.1 detail 6 calls out for a CSMT 12 strap, see attachment, this strap cannot be installed on the side of the top plate due to the required roof pitch. The strap cannot be bent to match the pitch. Please advise.

**Suggestion:**

**Answer:**

**Accept Suggestion**

Splice at the strap turning point with 1/8" steel plate with 1/8" x 6" long welding at top and bottom of each strap end.  
Please see the attached sketch.

Z.C.

**Answered By:**

**Date:** 02/17/2019

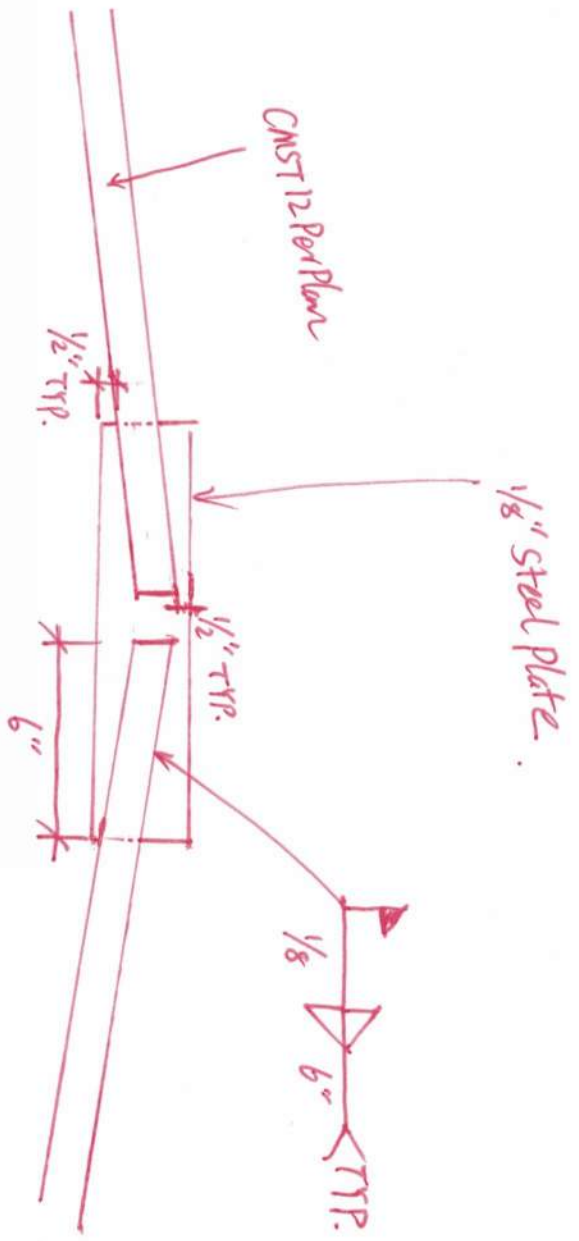
**Distribution:**







17-127. MSA.  
RFI-154.





# KDR STEEL

## STRUCTURAL STEEL & MISC. METALS

8225 GOLDMINE AVE. FONTANA, CA. 92335 PHONE: (909) 822-1155 FAX: (909) 822-1166 SITE: [WWW.KDRSTEEL.COM](http://WWW.KDRSTEEL.COM)

### CHANGE ORDER 4 REVISED 2

MONDAY, FEBRUARY 18<sup>TH</sup>, 2018

*BID DOCS:*  
*SUBMITTED TO*  
*ATTN:* ESTIMATING DEPT.

*PROJECT /ADDRESS*  
MAGNOLIA SCIENCE ACADEMY  
RESEDA, CALIFORNIA

### SCOPE: CHANGE ORDER

- 04 ADDITIONAL LIGHT POST WELDED TO EXISTING FENCE POST (REVISED PRICING PER RFI#73)  
(PRICE: \$6,800.00)
- ~~CUTTING DOWN THE EXISTING STEEL TOWER (PRICE: \$1,400.00)~~
- ~~CRANE AND ONE BASKET LIFT (PRICE: \$6,000.00)~~

~~LUMP SUM PRICE: \$12,800.00~~

#### SPECIFIC EXCLUSIONS:

- SALVAGING OF STEEL TOWER

**EXCLUSIONS** Only Submitting \$6,800

BOLTS EXCEPT TO ERECT STEEL  
METAL 12 GA AND LESS  
CATCH BASINS AND TRENCH DRAINS  
TESTS AND INSPECTIONS

CUTTING OR DRILLING OF CONCRETE  
PIPE SLEEVES FOR OTHER TRADES  
STD MFG'D. METAL CONNECTIONS  
NON FERROUS METAL

#### **OTHER EXCLUSIONS**

**ALL ITEMS OTHER THAN THOSE NOTED ABOVE EXCLUSIONS SECTION, & ANY STAINLESS STEEL ITEMS**

THIS PROPOSAL INCLUDES THE TERMS AND CONDITIONS ON THE REVERSE SIDE, AND IS SUBJECT TO YOUR WRITTEN ACCEPTANCE WITHIN 30 DAYS FROM BID DATE. WHEN ACCEPTED BY YOU WITHIN SUCH TIME, THIS PROPOSAL WILL CONSTITUTE A CONTRACT OF SALE BETWEEN OURSELVES AS SELLER AND YOU AS PURCHASER.

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

DATE \_\_\_\_\_

*KDR STEEL IS A CALIFORNIA STATE CONTRACTOR LICENSED COMPANY & CITY OF LOS ANGELES FABRICATOR LICENSED COMPANY*













ULTIMANS

236 521 578  
K&M 2014

130765118FANG

1-455





909-829-2929

Handwritten text on a wooden post, possibly a measurement or label.

855.459.7600

GS



**SUBJECT:** Detail for Light Pole Base on Roof Clarification**DATE:** 10/02/2018**PROJECT:** Magnolia Science Academy**PROJECT NO.:** 18049**TO:** Etmny Cornejo  
Franco Architects Inc.**REQUIRED:** 10/05/2018**COST IMPACT:** POTENTIALLY**DAYS IMPACT:** POTENTIALLY**FROM:** Olivia Sanchez  
Oltmans Construction Co.**Co-Author:** SAFEWAY ELECTRIC**Contact:** Carlos Bedoy**Co-Author RFI Number:** E129718-9R**Request:**

Refer to: Reviewed submittal 260000-02, and SSK-004 received in response to RFI 073

The pole height for roof light pole fixture type EXT E is 16 feet. SSK-004, received in response to RFI 073, requires a much taller pole than the pole ordered for the roof fixtures. Please advise if a taller pole is needed or provide a revised sketch incorporating the 16' pole height approved in reviewed submittal 260000-02.

Please note any modifications to the pole will void any warranty provided by the manufacturers.

**Suggestion:****Answer:**  **Accept Suggestion**

16'-0" in height and 1/8" in thickness light pole is NOT ACCEPTABLE.  
For 12'-0" light pole, use HSS4x4x1/4 FULL HEIGHT and connection to roof use detail 10-S7.1 and for connection to wall use detail 6-S7.1.  
OM  
B&B Associates  
October 08, 2018

**Answered By:**

16' in height pole provided by light pole manufacturer is rejected by structural engineer.

Fixture shall be mounted at 12'-0" height called out in EXT E Specification on A3.2.

**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

Attach fixture EXT E to 12' tall HSS4x4x1/4 post designed by structural engineer.

HSS4x4x1/4 shall be used at light pole location for both fence post and light fixture support.

Stephanie Liu

Franco Architects

10/08/2018





1474 Miller Drive | Colton, CA 92324  
Phone (909) 824-6075 Fax (909) 824-0571  
www.safewaybsi.com  
CA Contractor's License # 387886  
C-7 | C-10 | C-46 Since 1980

## Request For Information

E129718 — E129718 Oltmans-Magnolia  
Science Center

RFI Subject : REVISED-Detail for Light Pole Base Type  
EXT E Roof Fixture

**To** Devin Ulibarri  
Oltmans Construction Co.  
10005 Mission Mill Road  
Whittier  
Whittier, ca 90601  
Mobile: 213-507-0099  
DevinU@oltmans.com

RFI Number : E129718-9R  
RFI Revision Number : 0  
RFI Date : 10/1/2018  
Type : Original RFI

**Return To** April Paramo  
Safeway Electric  
Phone No: (909) 219-9894  
Mobile: (909) 653-6409  
Fax No: (909) 824-0571  
projectsupport@safewaybsi.com

### Clarification Requested

Detail B on SSK-004 will not work with the pole ordered for this area. Our pole height 16' and the detail requires a much taller pole.

Please have the design team revisit the response and incorporate our submittal with the solution.  
Advise if you would you like for us to reach out to our vendor and request pricing for a taller pole? This goes for detail A as well.

Modifications to our pole will void any warranty provided by the manufacturers.

### Schedule / Cost Impact

To mitigate schedule delay, return by the following date **10/6/2018**.

This problem is impacting our progress

This problem is possibly impacting our costs (other than schedule costs)

*Please provide a written directive on how to proceed. Descriptions of materials and methods should be accompanied by drawings, sketches and specifications if not covered by applicable contract documents. Please re-review relevant submittals referenced above.*

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

**Dated:** 10/1/2018





1474 Miller Drive | Colton, CA 92324  
 Phone (909) 824-6075 Fax (909) 824-0571  
 www.safewaybsi.com  
 CA Contractor's License # 387886  
 C-7 | C-10 | C-46 Since 1980

## Request For Information

**E129718 — E129718 Oltmans-Magnolia Science Center**

**RFI Subject : Light Pole Base Type EXT e Fixture**

**To** Devin Ulibarri  
 Oltmans Construction Co.  
 10005 Mission Mill Road  
 Whittier  
 Whittier, ca 90601  
 Mobile: 213-507-0099  
 DevinU@oltmans.com

**RFI Number : E129718-9**  
**RFI Revision Number : 0**  
 RFI Date : 9/17/2018  
 Type : Original RFI

**Return To** April Paramo  
 Safeway Electric  
 Phone No: (909) 219-9894  
 Mobile: (909) 653-6409  
 Fax No: (909) 824-0571  
 projectsupport@safewaybsi.com

### Clarification Requested

Please provide a detail for the light pole base for Type EXT E roof fixture.

Thank you.

### Details

Drawing	Detail	Spec
E3.3		

### Schedule / Cost Impact

To mitigate schedule delay, return by the following date **9/19/2018**.

This problem is impacting our progress

This problem is possibly impacting our costs (other than schedule costs)

*Please provide a written directive on how to proceed. Descriptions of materials and methods should be accompanied by drawings, sketches and specifications if not covered by applicable contract documents. Please re-review relevant submittals referenced above.*

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

**Dated:** 9/17/2018





**Job Name:**  
MAGNOLIA SCIENCE ACADEMY

**Catalog Number:**  
ARA3-A-32L5K-070-5X-U-PS

Notes:

**Type:**  
**EXT E**

LA18-33000

**ARCEOS™**  
**ARA SERIES**  
AREA/SITE

Cat.#

Job

Type



**HUBBELL**  
**Outdoor Lighting**

Approvals

**SPECIFICATIONS**

**Intended Use:**

Pole mounted applications from twenty to forty feet. Applications include parking areas adjacent to Home Centers, Big-Box Retailers, Retail Centers, Stadiums, Arenas, and applications for campus parking areas, Auto Dealerships, and transportation hubs.

**Construction:**

- Innovative product design delivers exceptional thermal management in an highly styled luminaire
- Manufactured with die-cast, aluminum housing coated with a Lektrocote® polyester finish ensures excellent exterior durability
- Two directional air flow maximizes heat dissipation to prolong electrical component life and luminaire performance
- Performance is further optimized with thermal separation between LED light engines and LED drivers

**LED/Optics:**

- 32L configuration - 26,000 lumens, 293w
- 48L configuration - 40,000 lumens, 435w
- 64L configuration - 51,000 lumens, 580w
- PMMA lenses provide IES Types III, IV & V
- Specific optical distributions for Automobile dealerships are available
- Back light control is available for applications sensitive to light trespass; zero uplight ensures IDA approval; field rotation eases lighting design implementation
- Color temperatures offered: 3000K (70 CRI), 4000K (70 CRI), 5000K (70 CRI)

**Electrical:**

- Universal input voltage 120-277VAC, 50/60 Hz and 347-480VAC
- Ambient operating temperature range -40C to 40C
- Surge protection – 20KA; Shuts off at end of life

**Controls/Options:**

- wiSCAPE technology wireless system for on/off and 0-10VDC full range dimming control; programmable autonomous operation
- 0-10V dimming leads available for external controls provided by others
- NEMA twistlock Photocells for On/Off control
- Occupancy sensors with On/Off and dimming control
- In addition, ARCEOS can be specified with SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit [www.hubbellighting.com/sitesync](http://www.hubbellighting.com/sitesync) for more details.

**Installation:**

- Universal arm mounting and Mast arm options allow for installation flexibility for new construction and retrofit projects
- Modular design allows for 1 person installation

**Finish:**

- TGIC thermoset polyester paint finish applied at nominal 2.5 ml thickness

**Listings:**

- CSA Listed to UL1598 Wet Locations
- IDA approved
- IP65
- Suitable for 3G applications prescribed by ANSI C136.31

**Warranty:**

Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

**PRODUCT IMAGE(S)**

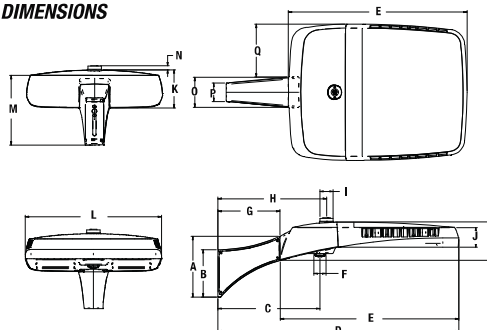


ARA-32L

ARA-48L

ARA-64L

**DIMENSIONS**



A	B	C	D	E	F	G	H	I
11.62" 295mm	9.06" 230mm	19.50" 495mm	46.00" 1168mm	34.07" 863mm	2.34" 59mm	11.86" 301mm	20.75" 527mm	2.56" 65mm
J	K	L	M	N	O	P	Q	
3.74" 95mm	7.28" 184mm	26.00" 660mm	13.30" 337mm	.75" 19mm	5.74" 145mm	3.47" 88mm	10.10" 256mm	

Arm	Driver Enclosure	LED Array	Total Weight
8.8 lbs. 3.9 kgs.	29.75 lbs. 13.5 kgs.	37.25 lbs. 16.9 kgs.	75.8 lbs. 34 kgs.

**EPA**

Config.	EPA	Config.	EPA
1	1.4	3 @ 120°	2.9
2 @ 90°	2.4	3 @ 90°	2.9
2 @ 180°	2.8	4 @ 90°	2.9

**CERTIFICATIONS/LISTINGS**



**IP65**

**ORDERING INFORMATION** SEE NEXT PAGE



**HUBBELL**  
**Outdoor Lighting**

Hubbell Outdoor Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000

Due to our continued efforts to improve our products, product specifications are subject to change without notice.



**HUBBELL**  
**Lighting**

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**Job Name:**  
MAGNOLIA SCIENCE ACADEMY

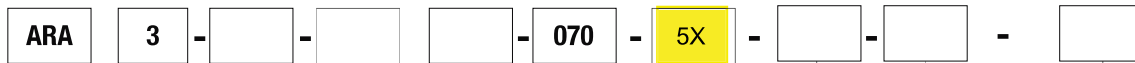
**Catalog Number:**  
ARA3-A-32L5K-070-5X-U-PS

**Type:**  
**EXT E**

Notes:

LA18-33000

**ORDERING INFORMATION** ORDERING EXAMPLE: ARA3-A-64L5K-070-4-U-DB



SERIES	MOUNTING	NO. OF LEDS	LED COLOR	IES DISTRIBUTION	VOLTAGE	FINISH	STANDARD OPTIONS
<b>ARA<sup>1</sup></b> Arceos™ large area/site luminaire	<b>A</b> Arm (universal) <b>MAF</b> Mast Arm Fitter for 2-3/8" horizontal arms or vertical tenons. Tilt options of 5° and 10° included in arm.	<b>64L</b> 64 LEDs <b>48L</b> 48 LEDs <b>32L</b> 32 LEDs	<b>3K</b> 3000K, 70 CRI <b>4K</b> 4000K, 70 CRI <b>5K</b> 5000K, 70 CRI <b>DRIVE CURRENT</b> <b>070</b> 700mA	<b>1A</b> Auto Front Row Type I <b>1AL</b> Auto Front Row Type I Rotated 90° left <b>1AR</b> Auto Front Row Type I Rotated 90° right <b>3</b> Type III <b>3L</b> Type III rotated 90° left <b>3R</b> Type III rotated 90° right <b>4</b> Type IV <b>4L</b> Type IV rotated 90° left <b>4R</b> Type IV rotated 90° right <b>5S</b> Type V Short <b>5W</b> Type V Wide	<b>U</b> 120V-277V 50/60Hz <b>1</b> 120V <b>2</b> 208V <b>3</b> 240V <b>4</b> 277V <b>5</b> 480V, 50/60Hz <b>F</b> 347V, 50/60Hz <b>E</b> 220V, 50/60Hz	<b>DB</b> Bronze <b>BL</b> Black <b>WH</b> White <b>PS</b> Platinum Silver <b>GR</b> Gray <b>CC</b> Custom Colors (Consult factory)	<b>BC<sup>7</sup></b> Backlight control (see page 4) <b>TB</b> Terminal block <b>RPA(X)</b> Round pole adapter (Replace X with 2, 3, 4, 4.5, 5 or 6 indicating pole diameter) <b>F(X)</b> Fusing (must specify discrete voltage) <b>7PR</b> Photocell receptacle (7-pin ANSI C136.41—2013 receptacle for use with standard Twist-Lock® photo controls, shunting caps, and ANSI C136.41 external wireless control devices. Select SCL option to add occupancy sensing capability when using with compatible external wireless devices)

**SIZE**  
**3** Large

**CONTROLS GUIDE**

As energy codes become more restrictive and we push for sustainable lighting designs, the integration of lighting controls and luminaires have become more and more important. Hubbell Lighting offers numerous outdoor lighting controls solutions for the most demanding applications. Visit the link below to learn more about energy-saving controls.

[www.hubbellighting.com/solutions/controls/](http://www.hubbellighting.com/solutions/controls/)

- Notes: 1 - Order poles with #2 hole pattern  
2 - Not available with 480V  
3 - Not available with 347V or 480V  
4 - Not available with WIR or WIRSC  
5 - Not available with SCO, SCL, SCP or SCPW  
6 - 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, must order minimum of one SCP-REMOTE control to program dimming settings (see accessories)  
7 - Not recommended for Type V distributions  
8 - Not available with other Occupancy or Wireless Control Options  
9 - Not available with 208, 240, or 480V

**Accessories and Services (Ordered Separately)**

Catalog Number	Description
<b>SWUSB*</b>	SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node.
<b>SWTAB*</b>	Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node.
<b>SWBRG*</b>	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.

\* When ordering SiteSync at least one of these two interface options must be ordered per project.  
+ If needed, an additional Bridge Node can be ordered.

**PIR MOTION/OCCUPANCY CONTROL OPTIONS**

- SCO<sup>3,4</sup>** On/Off control (line voltage device not for use with 7PR receptacle option and external wireless control devices)
- SCL<sup>3,4</sup>** Add-on occupancy sensor for use with ext. wireless control device connected thru 7PR receptacle. Consult control manufacturer for compatibility
- SCP<sup>3,4,6</sup>** Programmable dimming control (line voltage device not for use with 7PR receptacle option and external wireless control devices). A minimum of one SCP-REMOTE accessory remote control required for configuration; (Standard lens with greater sensitivity; motion detection radius equal to .75 X luminaire mounting height (approx. distance))
- SCPW<sup>3,4,6</sup>** Programmable dimming control (line voltage device not for use with 7PR receptacle option and external wireless control devices); A minimum of one SCP-REMOTE accessory remote control required for configuration. (Wide lens with motion detection radius equal to 1.3 X luminaire mounting height (approx. distance))

**WIRELESS CONTROL OPTIONS**

- SWF<sup>5,9</sup>** SiteSync field commission
- SWFM<sup>5,9</sup>** SiteSync field commission with motion sensor
- SWP<sup>5,9</sup>** SiteSync pre-commissioned
- SWPM<sup>5,9</sup>** SiteSync pre-commissioned w/ occupancy sensor
- WIR<sup>2</sup>** wiSCAPE Fixture Module, in-fixture relay for wireless lighting control
- WIRSC<sup>3,5</sup>** wiSCAPE Fixture Module, in-fixture relay for wireless lighting control and motion/occupancy control

**ACCESSORIES/REPLACEMENT PARTS - Order Separately**

Catalog Number	Description
<b>93054384</b>	20KA surge protection 120-277V
<b>93054385</b>	20KA surge protection 347-480V
<b>ARA3-BC</b>	Backlight control for light trespass mitigation. Kit includes 4 bezel shields.
<b>ARA3-MAF-XX-ACCY-KIT</b>	Mast Arm Fitter for 2-3/8" horizontal arms or vertical tenons. Tilt options of 5° and 10° included in arm.
<b>SCP-REMOTE</b>	Remote control for SCP and SCPW options. Order at least one per project to program and control
<b>SETA 2-XX'</b>	Square pole tenon adapter (4 at 90 degrees)
<b>RETA 2-XX'</b>	Round pole tenon adapter (4 at 90 degrees)
<b>TETA 2-XX'</b>	Hexagonal pole tenon adapter (3 at 120 degrees)
<b>TPLB-ARA3-XX'</b>	Twin parallel luminaire bracket
<b>WB-AREA-XX</b>	Wall bracket

1 Replace XX with color choice, eg.: DB for Dark Bronze

**MOUNTING OPTIONS & ACCESSORIES**



Catalog Number	Description
<b>RPA</b>	Round Pole adapters are available for 2, 3, 4.5, 5, and 6 inch diameter round poles
<b>RPA2-ARA3-XX'</b>	Round Pole adapters for 2-1/2" - 3" diameter mounting surface
<b>RPA3-ARA3-XX'</b>	Round Pole adapters for 3" - 3-3/4" diameter mounting surface
<b>RPA4-ARA3-XX'</b>	Round Pole adapters for 3-7/8" - 4-1/2" diameter mounting surface
<b>RPA5-ARA3-XX'</b>	Round Pole adapters for 5" - 6" diameter mounting surface
<b>RPA6-ARA3-XX'</b>	Round Pole adapters for 6" diameter mounting surface

1 Replace XX with color choice, eg.: DB for Dark Bronze



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**PERFORMANCE DATA**

# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 70 CRI)				
				LUMENS	LPW <sup>1</sup>	B	U	G	LUMENS	LPW <sup>1</sup>	B	U	G	LUMENS	LPW <sup>1</sup>	B	U	G
32	700	293	1A	27158	93	3	0	3	26705	91	3	0	3	25257	86	2	0	2
			3	26922	92	4	0	5	26472	90	4	0	5	25037	85	3	0	4
			4	26869	92	3	0	5	26421	90	3	0	5	24988	85	2	0	4
			5S	27736	95	5	0	4	27273	93	5	0	4	25794	88	4	0	2
			5W	29876	102	5	0	5	29377	100	5	0	5	27837	95	5	0	5
48		435	1A	39645	91	3	0	3	38983	90	3	0	3	36871	85	3	0	3
			3	39300	90	4	0	5	38644	89	4	0	5	36549	84	3	0	5
			4	39223	90	3	0	5	38568	89	3	0	5	36477	84	3	0	5
			5S	40489	93	5	0	4	39813	92	5	0	4	37655	87	5	0	3
			5W	44814	103	5	0	5	44065	101	5	0	5	41756	96	5	0	5
64		580	1A	51651	89	3	0	3	50788	88	3	0	3	48035	83	3	0	3
			3	51202	88	4	0	5	50347	87	4	0	5	47550	82	4	0	5
			4	51102	88	3	0	5	50247	87	3	0	5	47828	82	3	0	5
			5S	52751	91	5	0	4	51870	89	5	0	4	49151	85	5	0	3
			5W	59752	103	5	0	5	58754	101	5	0	5	55674	96	5	0	5

<sup>1</sup>Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

**PROJECTED LUMEN MAINTENANCE**

AMBIENT TEMP.	0	25,000	50,000	TM-21-11 60,000	100,000	Calculated L70 (HOURS)
40°C / 104°F	0.97	0.92	0.85	0.82	0.73	>110,000

<sup>1</sup> Projected per IESNA TM-21-11

Data references the extrapolated performance projections for the **ARA3-64L5K-070** base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

**ELECTRICAL DATA**

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
32	2	(700 MA)	120	293	2.4
			277	293	1.1
			347	293	0.8
			480	293	0.6
48	3		120	435	3.6
			277	435	1.6
			347	435	1.3
			480	435	0.9
64	4		120	580	4.8
			277	580	2.1
			347	580	1.7
			480	580	1.2

**LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)**

AMBIENT TEMPERATURE	LUMEN MULTIPLIER	
0° C	32° F	1.07
10° C	50° F	1.04
20° C	68° F	1.01
25° C	77° F	1.00
30° C	86° F	0.99
40° C	104° F	0.96

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

**SURGE PROTECTION**

- Field replaceable surge protection device (SPD) provides 20KA and 10KV protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3

- The SPD is designed with a clamping voltage of 1400V at 20KA using industry standard 8/20µs waveform

- Max surge current = 20,000 Amps

**SWP & SWPM - SiteSync™**



SiteSync Lighting Control is available from our most popular brands in a broad range of award-winning product families.

**CONTROLS - ACCESSORIES ORDER SEPARATELY**

Catalog Number	Description	HCS System
<b>NXOFM-TR1D-UNV</b>	On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120-480VAC	NX Distributed Intelligence™
<b>WIR-RME-L</b>	On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110-480VAC	wiSCAPE® Lighting Control

For additional information related to these accessories please visit [www.hubbellcontrolsolutions.com](http://www.hubbellcontrolsolutions.com). Options provided for use with integrated sensor, please view specification sheet ordering information table for details.

**SiteSync 7-Pin Module**



- All of the SiteSync Features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)
- Available on all products that have a 7-Pin receptacle



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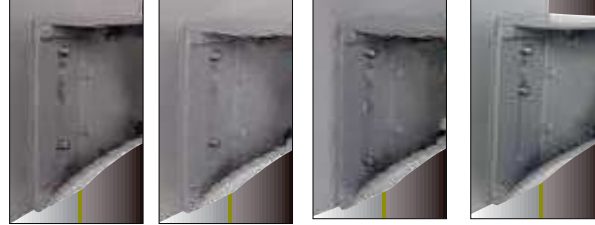
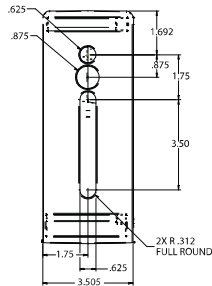
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**MOUNTING ARM DIMENSIONS**

ARA3 arms incorporate hole pattern provisions for most major luminaire manufacturers providing retrofit solutions to existing poles. Two bolt patterns range from 1.75" to 5.25" are accommodated. Arms are acceptable for 90° configurations.



Utilize Spaulding's #2 hole pattern when ordering poles

**AUTOMOTIVE DEALERSHIP OPTICS**

For Automobile Dealership applications the Arceos™ is available with optics designed for enhanced and proper lighting of the auto dealership merchandise on the front row.

The ARA3 high lumen package combined with Spaulding's front row automobile optic maximizes the dealers product merchandising impact. Create dramatic impact on a dealerships lighting and sales revenue with the Arceos™ ARA3 luminaire.

**Front Row Automobile Optic Benefits**

- Maximum illumination on front row display
- Maximum pole spacing
- Reduced acquisition and ownership costs

Front Row Automobile Optic



**VERSATILE CONFIGURATIONS**



- Up to 30 ft mounting heights
- 32 LEDs



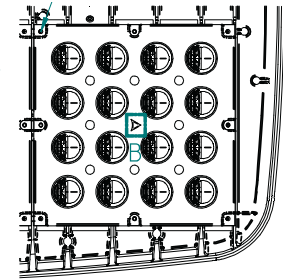
- 30-40 ft mounting heights
- 48 LEDs



- Up to 50 ft mounting heights
- 64 LEDs

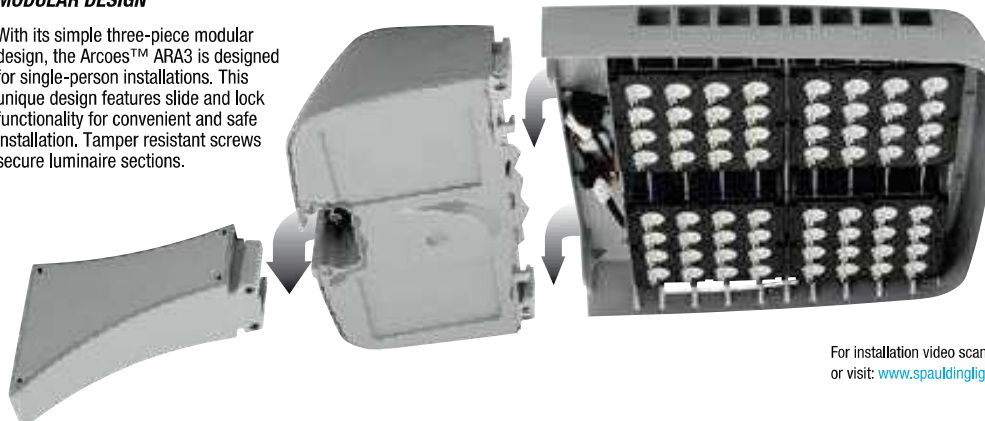
**ROTATABLE OPTICS**

All distributions are field or factory aimed for maximum design flexibility. The bezel includes a raised arrow to indicate the direction of illumination.



**MODULAR DESIGN**

With its simple three-piece modular design, the Arceos™ ARA3 is designed for single-person installations. This unique design features slide and lock functionality for convenient and safe installation. Tamper resistant screws secure luminaire sections.



ARA3 BC - Backlight control option for excellent light cutoff and increased forward throw

For installation video scan this code or visit: [www.spauldinglighting.com](http://www.spauldinglighting.com)







**SSS-H SERIES  
POLES**  
SQUARE STRAIGHT STEEL

Cat.#

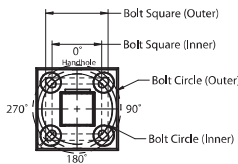
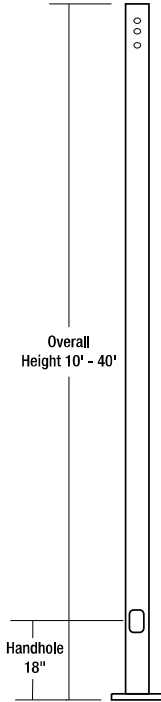
Job

Type

Approvals



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**APPLICATIONS**

- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

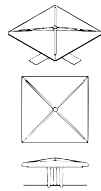
**CONSTRUCTION**

- SHAFT:** One-piece straight steel with square cross section, flat sides and minimum 0.23" radius on all corners; Minimum yield of 46,000 psi (ASTM-A500, Grade B); Longitudinal weld seam to appear flush with shaft side wall; Steel base plate with axial bolt circle slots welded to pole shaft having minimum yield of 36,000 psi (ASTM A36)
- BASE COVER:** Two-piece square aluminum base cover included standard
- POLE CAP:** Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
- HAND HOLE:** Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
- ANCHOR BOLTS:** Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling

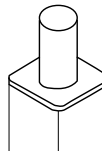
**FINISH**

- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method
- Decorative finish coat available in seven standard colors; Custom colors available; RAL number preferable; Internal protective coating available

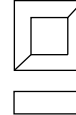
**POLE CAP**



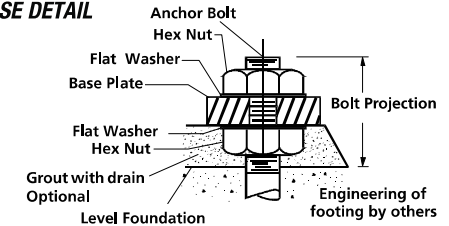
**TENON**



**BASE COVER**



**BASE DETAIL**



**ORDERING INFORMATION**

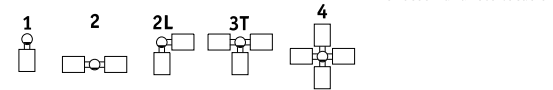
ORDERING EXAMPLE:

**SSS - H - 25 - 40 - A/B/C - 2L - S2 - DB - UL**

Reference page 2 for available configurations

SERIES	HEIGHT	SHAFT	THICKNESS	MOUNTING	DRILL PATTERN	FINISH	OPTIONS
<b>SSS-H</b> Square Straight Steel Pole Hubbell Outdoor	Reference page 2 Ordering matrix <b>16</b>	Reference page 2 Ordering matrix	Reference page 2 Ordering matrix	<b>1</b> Single arm mount <b>2</b> Two fixtures at 180° <b>2L</b> Two fixtures at 90° <b>3T</b> Three fixtures at 90° <b>4</b> Four fixtures at 90° <b>TA</b> Tenon (2.38" OD x 4" Tall) <b>TB</b> Tenon (2.88" OD x 4" Tall) <b>TC</b> Tenon (3.5" OD x 6" Tall) <b>TR<sup>1</sup></b> Removable Tenon (2.375 x 4.25) <b>OT</b> Open Top (includes pole cap)	<b>S2</b> #2 2 bolt 3.5" pattern 	<b>DB</b> Dark Bronze Textured <b>BL</b> Black Textured <b>WH</b> White Textured <b>GR</b> Gray Textured <b>PS</b> Platinum Silver Smooth <b>CC</b> Custom Color	<b>HSC</b> Internal Coating (Hubbell Seal) <b>GFI<sup>2</sup></b> 20 Amp GFCI Receptacle and Cover <b>EHH<sup>2</sup></b> Extra Handhole <b>C05<sup>2</sup></b> .5" Coupling <b>C07<sup>2</sup></b> .75" Coupling <b>C20<sup>2</sup></b> 2" Coupling <b>MPB<sup>2</sup></b> Mid-pole Luminaire Bracket <b>VM2</b> 2nd mode vibration damper <b>LAB</b> Less Anchor Bolts <b>UL</b> UL Certified

**MOUNTING ORIENTATION**



**ACCESSORIES- Order Separately**

Catalog Number	Description
<b>VM1<sup>3</sup></b>	1st mode vibration damper
<b>VM2SXX</b>	2nd mode vibration damper

1 Removable tenon used in conjunction with side arm mounting. First specify desired arm configuration followed by the "TR" notation. Example: **SSS-H-25-40-A-1-S2-TR-DB**  
2 Specify option location using logic found on page 2 (Option Orientation)  
3 VM1 recommended on poles 20' and taller with EPA of less than 1.



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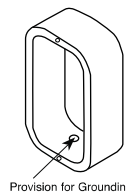


**ORDERING INFORMATION Cont.**

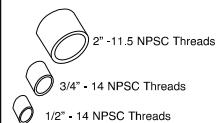
Catalog Number	Height		Nominal Shaft Dimensions	Wall Thickness	Bolt Circle (suggested)	Bolt Circle (range)	Bolt Square (range)	Base Plate Square	Anchor bolt size	Bolt Projection	Pole weight
	Feet	Meters									
SSS-H-10-40-A-XX-XX	10	3.0	4" square	0.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	77
SSS-H-12-40-A-XX-XX	12	3.7	4" square	0.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	90
SSS-H-14-40-A-XX-XX	14	4.3	4" square	0.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	103
SSS-H-16-40-A-XX-XX	16	4.9	4" square	0.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	116
SSS-H-18-40-A-XX-XX	18	5.5	4" square	0.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	129
SSS-H-20-40-A-XX-XX	20	6.1	4" square	0.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	142
SSS-H-25-40-A-XX-XX	25	7.6	4" square	0.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	175
SSS-H-14-40-B-XX-XX	14	4.3	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	152
SSS-H-16-40-B-XX-XX	16	4.9	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	171
SSS-H-18-40-B-XX-XX	18	5.5	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	190
SSS-H-20-40-B-XX-XX	20	6.1	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	209
SSS-H-25-40-B-XX-XX	25	7.6	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	257
SSS-H-30-40-B-XX-XX	30	9.1	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	304
SSS-H-16-50-B-XX-XX	16	4.9	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	219
SSS-H-18-50-B-XX-XX	18	5.5	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	243
SSS-H-20-50-B-XX-XX	20	6.1	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	267
SSS-H-25-50-B-XX-XX	25	7.6	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	327
SSS-H-30-50-B-XX-XX	30	9.1	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	387
SSS-H-25-50-C-XX-XX	25	7.6	5" square	.25"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	427
SSS-H-30-50-C-XX-XX	30	9.1	5" square	.25"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	507
SSS-H-20-60-B-XX-XX	20	6.1	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1-1/4" x 42" x 6"	5.0	329
SSS-H-25-60-B-XX-XX	25	7.6	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1-1/4" x 42" x 6"	5.0	404
SSS-H-30-60-B-XX-XX	30	9.1	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1-1/4" x 42" x 6"	5.0	479
SSS-H-35-60-B-XX-XX	35	10.7	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1-1/4" x 42" x 6"	5.0	554
SSS-H-40-60-B-XX-XX	40	12.2	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1-1/4" x 42" x 6"	5.0	629
SSS-H-30-60-C-XX-XX	30	9.1	6" square	.25"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1-1/4" x 42" x 6"	5.0	614
SSS-H-35-60-C-XX-XX	35	10.7	6" square	.25"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1-1/4" x 42" x 6"	5.0	712
SSS-H-40-60-C-XX-XX	40	12.2	6" square	.25"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1-1/4" x 42" x 6"	5.0	809

NOTE Factory supplied template must be used when setting anchor bolts. Hubbell Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.

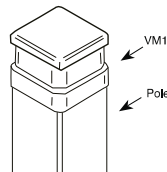
**EHH - EXTRA HANDHOLE**



**C05 - C07 - C20 - COUPLING**



**VM1 - VIBRATION DAMPER 1ST MODE**



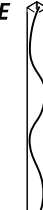
Field Installed Pole Top damper designed to reduce pole top deflection or sway. VM1 is recommended for pole systems 25' and taller with a total EPA of 1.0 or less.

**VM2 - VIBRATION DAMPER 2ND MODE**



Factory installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

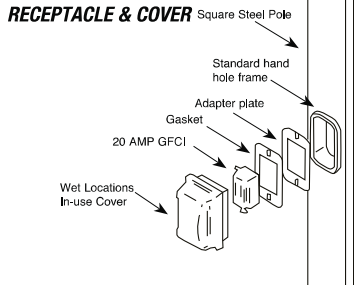
**VM2SXX - VIBRATION DAMPER 2ND MODE**



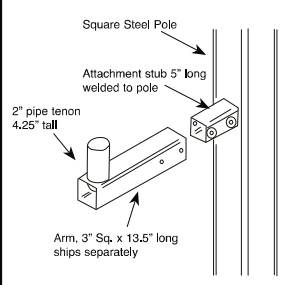
- VM2S08 - 8'
- VM2S12 - 12'
- VM2S16 - 16'
- VM2S20 - 20'
- VM2S24 - 24'

Field installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

**GFI - 20 AMP GFCI RECEPTACLE & COVER**

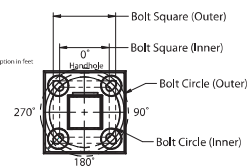


**MPB - MID POLE BRACKET**



**OPTION ORIENTATION**

Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet). Example: Option C07 should be ordered as: **SSS-H-20-40-A-TA-DB-C07-0-15** (.5" coupling on the handhole/arm side of pole, 15 feet up from the pole base) 1' spacing required between option. Consult factory for other configurations.



For more information about pole vibration and vibration dampers, please consult [http://cdn.hubbelloutdoor.com/content/products/literature/literature\\_files/Pole\\_Wind\\_Induced\\_Flyer\\_HLOI0022.pdf](http://cdn.hubbelloutdoor.com/content/products/literature/literature_files/Pole_Wind_Induced_Flyer_HLOI0022.pdf) Due to our continued efforts to improve our products, product specifications are subject to change without notice.



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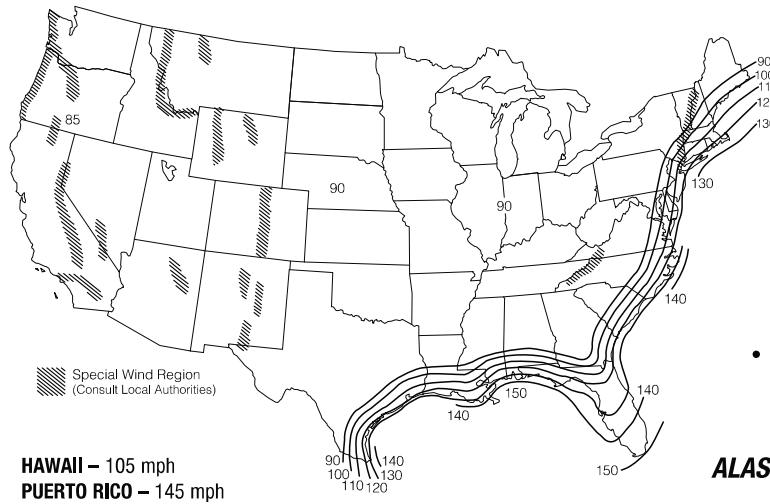


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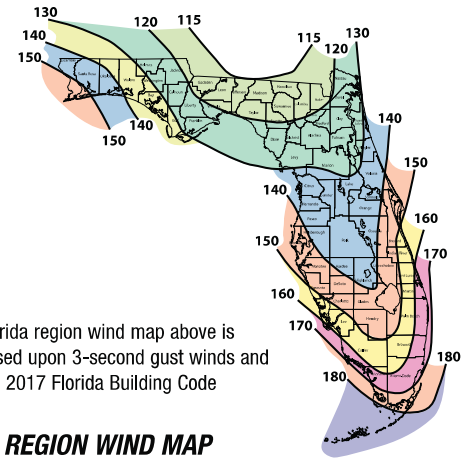


**ASCE7-05 WIND MAP**



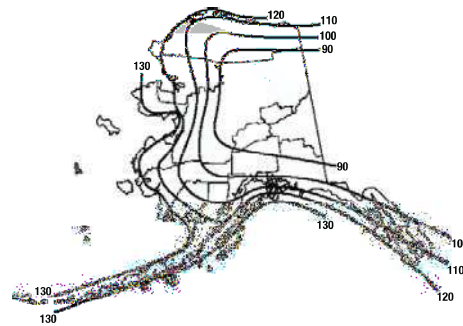
HAWAII – 105 mph  
PUERTO RICO – 145 mph

**FLORIDA REGION WIND MAP**



- Florida region wind map above is based upon 3-second gust winds and the 2017 Florida Building Code

**ALASKA REGION WIND MAP**



ASCE 7-05 wind map EPA Load Rating - 3 second gust wind speeds (Use for all locations except Florida)										
Catalog Number	85	90	100	105	110	120	130	140	145	150
SSS-H-10-40-A	25.0	25.0	25.0	22.8	20.6	17.0	14.2	11.9	11.0	10.1
SSS-H-12-40-A	25.0	25.0	20.0	18.0	16.1	13.2	10.8	8.9	8.1	7.4
SSS-H-14-40-A	23.1	20.4	16.1	14.3	12.8	10.2	8.2	6.6	5.9	5.3
SSS-H-16-40-A	19.0	16.7	13.0	11.5	10.1	7.9	6.2	4.7	4.1	3.6
SSS-H-18-40-A	15.6	13.6	10.0	9.0	7.8	5.9	4.4	3.1	2.6	2.1
SSS-H-20-40-A	12.7	10.9	7.9	6.9	5.9	4.2	2.8	1.7	1.3	0.9
SSS-H-25-40-A	7.3	5.9	3.8	2.9	2.1	0.8	NR	NR	NR	NR
SSS-H-14-40-B	25.0	25.0	23.3	20.8	18.6	15.1	12.3	10.2	9.2	8.4
SSS-H-16-40-B	25.0	24.9	19.4	17.3	15.4	12.3	9.9	8.0	7.2	6.4
SSS-H-18-40-B	24.0	20.8	16.1	14.2	12.5	9.8	7.7	6.1	5.3	4.7
SSS-H-20-40-B	20.2	17.5	13.2	11.6	10.1	7.7	5.9	4.4	3.8	3.2
SSS-H-25-40-B	12.8	11.0	7.9	6.7	5.5	3.7	2.3	1.2	0.7	NR
SSS-H-30-40-B	8.0	6.6	4.1	3.1	2.2	0.8	NR	NR	NR	NR
SSS-H-16-50-B	25.0	25.0	25.0	25.0	24.8	20.1	16.5	13.6	12.3	11.2
SSS-H-18-50-B	25.0	25.0	25.0	22.9	20.4	16.4	13.2	10.7	9.6	8.6
SSS-H-20-50-B	25.0	25.0	21.3	18.9	16.7	13.2	10.4	8.1	7.2	6.3
SSS-H-25-50-B	20.7	17.8	13.3	11.5	9.8	7.2	5.0	3.3	2.6	1.9
SSS-H-30-50-B	13.5	11.3	7.7	6.2	4.9	2.8	1.1	NR	NR	NR
SSS-H-25-50-C	25.0	25.0	19.4	17.1	15.1	11.7	9.0	6.9	6.0	5.1
SSS-H-30-50-C	20.1	17.3	12.7	10.9	9.3	6.6	4.5	2.8	2.1	1.4
SSS-H-20-60-B	25.0	25.0	25.0	25.0	20.2	16.1	12.9	11.5	10.3	
SSS-H-25-60-B	25.0	25.0	20.6	18.0	15.6	11.8	8.7	6.2	5.2	4.2
SSS-H-30-60-B	21.4	18.1	12.9	10.7	8.8	5.7	3.3	1.3	NR	NR
SSS-H-35-60-B	14.0	11.3	6.9	5.2	3.6	1.0	NR	NR	NR	NR
SSS-H-40-60-B	8.1	5.8	2.2	nr	NR	NR	NR	NR	NR	NR
SSS-H-30-60-C	24.3	20.5	14.6	12.2	10.2	6.8	4.2	2.2	1.3	0.5
SSS-H-35-60-C	16.6	13.5	8.6	6.6	4.9	2.1	NR	NR	NR	NR
SSS-H-40-60-C	10.6	7.9	3.7	2.1	0.6	NR	NR	NR	NR	NR

Florida Building Code 2017 EPA Load Rating - 3 second gust wind speeds (Use for Florida only)								
Catalog Number	115	120	130	140	150	160	170	180
SSS-H-10-40-A	25.0	25.0	25.0	25.0	21.4	18.4	15.9	13.9
SSS-H-12-40-A	25.0	25.0	23.6	19.8	16.7	14.2	12.1	10.4
SSS-H-14-40-A	25.0	23.1	19.0	15.7	13.1	10.9	9.1	7.6
SSS-H-16-40-A	20.8	18.7	15.2	12.3	10.1	8.2	6.7	5.4
SSS-H-18-40-A	16.8	15.0	11.9	9.4	7.5	5.9	4.5	3.4
SSS-H-20-40-A	13.6	11.9	9.2	7.1	5.3	3.9	2.7	1.7
SSS-H-25-40-A	7.4	6.2	4.1	2.5	1.1	NR	NR	NR
SSS-H-14-40-B	25.0	23.6	19.4	16.1	13.4	11.2	9.4	7.8
SSS-H-16-40-B	21.4	19.2	15.6	12.7	10.4	8.5	6.9	5.6
SSS-H-18-40-B	17.2	15.4	12.2	9.7	7.7	6.1	4.7	3.6
SSS-H-20-40-B	13.9	12.3	9.5	7.3	5.5	4.1	2.9	1.9
SSS-H-25-40-B	7.7	6.4	4.3	2.6	1.3	NR	NR	NR
SSS-H-30-40-B	3.2	2.1	NR	NR	NR	NR	NR	NR
SSS-H-16-50-B	25.0	25.0	25.0	25.0	25.0	21.4	18.2	15.5
SSS-H-18-50-B	25.0	25.0	25.0	24.4	20.4	17.0	14.2	11.9
SSS-H-20-50-B	25.0	25.0	24.4	19.9	16.3	13.4	11.0	8.9
SSS-H-25-50-B	21.8	19.3	15.0	11.5	8.8	6.5	4.7	3.1
SSS-H-30-50-B	13.7	11.7	8.2	5.5	3.3	1.5	NR	NR
SSS-H-25-50-C	21.8	19.3	15.0	11.5	8.8	6.5	4.7	3.1
SSS-H-30-50-C	13.7	11.7	8.2	5.5	3.3	1.5	NR	NR
SSS-H-20-60-B	25.0	25.0	25.0	21.9	17.8	14.5	11.7	9.4
SSS-H-25-60-B	23.8	20.9	16.1	12.3	9.2	6.6	4.5	2.8
SSS-H-30-60-B	14.6	12.3	8.4	5.3	2.8	0.8	NR	NR
SSS-H-35-60-B	7.5	5.6	2.4	NR	NR	NR	NR	NR
SSS-H-40-60-B	1.8	NR	NR	NR	NR	NR	NR	NR
SSS-H-30-60-C	14.6	12.3	8.4	5.3	2.8	0.8	NR	NR
SSS-H-35-60-C	7.5	5.6	2.4	NR	NR	NR	NR	NR
SSS-H-40-60-C	1.8	NR	NR	NR	NR	NR	NR	NR



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Submitted by Prudential Lighting Products



**Job Name:**  
MAGNOLIA SCIENCE ACADEMY

**Catalog Number:**  
SSSH16-40A-1-S2-PS

Notes:

**Type:**

**EXT E**

LA18-33000

**NOTES**

- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
- Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
- Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Hubbell Lighting's Pole Vibration Application Guide for environmental risk factors and design considerations. [http://cdn.hubbelloutdoor.com/content/products/literature/literature\\_files/Pole\\_Wind\\_Induced\\_Flyer\\_HL00022.pdf](http://cdn.hubbelloutdoor.com/content/products/literature/literature_files/Pole_Wind_Induced_Flyer_HL00022.pdf)
- Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings

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PCI 53



**TITLE:** Removal of Gas Solenoid and Added Manual Shut Off

**DATE:** 11/19/2019

**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 Potential Change Item (PCI) tracks costs associated with the added labor, materials, and equipment required to furnish and install the added scope including the removal of gas solenoid and added manual shut off required by the LADBS in order for them to release the gas meter.

See attached back up for costs associated to this PCI including:

- 1) 10/7/19 Locate and asses the solenoid valve and connection points for future replacement, disassemble the system.
- 2) 10/15/19 Reconnect the gas piping with the solenoid valve removed in order to test the system.
- 3) 10/16/19 Removed the earthquake valve from the outside of the building and prepared the system for test. Once inspection passed, re-install the earthquake valve.

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

Vendor	Description	Amount
P.V. & C. Plumbing	Plumbing	2,311.00
	<b>SUBTOTAL:</b>	<b>2,311.00</b>
	GC - Superintendent	1,140.00
	Bond	29.00
	Gross Tax	5.00
	GL	34.00
	SDI	44.00
	Fee	177.00
	<b>SUBTOTAL:</b>	<b>1,429.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>3,740.00</b>

**APPROVAL:**

Oltmans Construction Co.

**BY:**

**DATE:**

  
Trevor Lawton

11/19/2019

**APPROVAL:**

Magnolia Educational and Research

**BY:**

**DATE:**





**PLUMBING & PIPING INC.**

1620 S. Grove Ave. Unit B, Ontario, CA. 91761  
(909) 595-9434

**CHANGE ORDER PROPOSAL**

DATE: <b>11/18/2019</b>	G.C. PROJECT MANAGER / SENT TO: Trevor Lawton
CONTRACTOR: <b>Oltmans Construction</b>	PROJECT: <b>Magnolia Science Academy</b>
ADDRESS: <b>10005 Mission Mill Rd.</b>	JOB NO: <b>2027</b> COR: <b>14</b>
CITY, STATE, ZIP: <b>Whittier, CA. 90601</b>	REF NO: RFI:

DESCRIPTION OF WORK:

- 10/07/2019 Locate and asses the solenoid valve and connection points for future replacement, disassemble the system.
- 10/15/2019 Reconnect the gas piping with the solenoid valve removed so the system could be tested.
- 10/16/2019 Removed the earthquake valve from the outside of the building and prepared the system for test. After passing inspection reinstalled the earthquake valve.

TYPE OF MATERIAL	QTY	UNIT	UNIT COST	AMOUNT	TRADE	HOUR	RATE	AMOUNT
1" Mega Press Ell	4		\$19.87	\$79.48	STRAIGHT TIME			
1" Mega Press Coupling	4		\$15.05	\$60.20	PLM GF		\$108.63	\$0.00
1" X 36" Galv. Nipple	1		\$35.11	\$35.11	PLM FM		\$102.19	\$0.00
2 1/2" x 3/4" Galv. Reducer	1		\$35.26	\$35.26	PLM JM	18.0	\$92.51	\$1,665.18
1" X 6" S.S. Nipple	1		\$21.10	\$21.10	WELDER		\$117.60	\$0.00
15 P.S.I. gas Guage	1		\$14.90	\$14.90	PREMIUM TIME			
Key Tite	1		\$17.19	\$17.19	PLM GF		\$147.57	\$0.00
Roll Teflon Gas Tape	1		\$5.74	\$5.74	PLM FM		\$138.05	\$0.00
				\$0.00	PLM JM		\$123.77	\$0.00
				\$0.00	WELDER		\$173.25	\$0.00
				\$0.00	DOUBLE TIME			
				\$0.00	PLM GF		\$185.57	\$0.00
				\$0.00	PLM FM		\$173.01	\$0.00
				\$0.00	PLM JM		\$154.17	\$0.00
				\$0.00	Welder		\$235.20	\$0.00
TOTAL				\$268.98	WAGE BENEFITS			included
SALES TAX				included	TRAVEL			\$85.79
TOTAL MATERIAL COSTS				\$268.98	TOTAL LABOR COSTS			\$1,665.18

MISC. TOOLS & EQUIPMENT					SUMMARY				
ITEM	QTY	UNIT	UNIT COST	AMOUNT					
DELIVERY (FLATBED)		EA		\$0.00	TOTAL MATERIAL COST				\$268.98
Lift Rental		EA	\$250.00	\$0.00	TOTAL LABOR COST				\$1,665.18
Back Hoe		HR	\$110.00	\$0.00	TOTAL MISC. COST				\$75.00
INSPECTION CAMERA 1st hour		HR		\$0.00	TOTAL COST				\$2,009.16
Ridgit Pro Press Tool (rental)	1	DAY	\$75.00	\$75.00	OVERHEAD & PROFIT		15%	\$301.37	
DVD OF INSPECTION		EA		\$0.00	TOTAL				\$2,310.53
CORE DRILLING		EA	\$85.00	\$0.00					
TOTAL MISC. COSTS				\$75.00	BOND				
<b>GRAND TOTAL</b>								<b>\$2,310.53</b>	

\_\_\_\_\_ 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) Reinstallation of the solenoid valve
- 5)
- 6)

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:

**Gary Calvin**









**PLUMBING & PIPING INC.**

1620 S. Grove Ave., Unit B, Ontario, CA 91761  
(909) 595-9434

**PLUMBING  
EXTRA WORK AUTHORIZATION**

DATE: <u>OCTOBER 15, 2019</u>
JOB NO: <u>2027</u>
PV&C NO:
WORK ON GOING: <input checked="" type="checkbox"/> Yes / No
WORK COMPLETE: Yes / <input checked="" type="checkbox"/> No
START DATE: <u>OCTOBER 07, 2019</u>
END DATE: <u>OCTOBER 16, 2019</u>

JOB NAME: MAGNOLIA SCIENCE ACADEMY  
CUSTOMER: OLTMANS CONSTRUCTION

CUSTOMER CHANGE ORDER NO. OR RFI NO.

DESCRIPTION OR WORK: RECONNECT OF 1" GAS PIPE REPLACEMENT.  
RECONNECT PIPE WITH MEGA PRESS GASS FITTING.

WORK DESCRIBED ABOVE AUTHORIZED BY	COMPLETION CERTIFICATION	PV&C PLUMBING
DATE: <u>OCTOBER 15, 2019</u>	DATE:	AUTHOR
COMPANY:	COMPANY:	
SIGNED:	SIGNED:	

**MATERIAL**

TYPE/DESCRIPTION	QUANTITY	TYPE/DESCRIPTION	QUANTITY
1" GAS MEGA PRESS 90°	4		
1" x 3/8" NIPPLE	1		
1" GAS MEGA PRESS COUP	4		
ROLL GAS TEFEGN	1		
CAN KEY TITE	1		
2 1/2" x 3/4" GAS REDUCER FIT.	1		
15 PSI GAS PRS. GAUGE	1		
6" STAINLESS NIPPLE	1		

**EQUIPMENT**

EQUIPMENT	HOURS/DAYS
DELIVERY/TRUCK	
PIPE MACHINE	
POWER GENERATOR	
MAN LIFT	
BOBCAT / BACKHOE	
COMPACTOR	
CAMERA / LOCATOR (1ST HOUR)	
CAMERA / LOCATOR (ADDITIONAL HOURS)	
DRAIN SHOOTER	
3/8" CABLE SNAKE	
1/2" CABLE SNAKE	
OTHER:	
TIERED SUBCONTRACTOR:	

**LABOR**

NO. OF MEN	STRAIGHT TIME	OVERTIME TIME	DOUBLE TIME
	1	4	
TOTAL HOURS	6		
TRAVEL		2	
EQUIPMENT HOURS			
TIER SUB HOURS			





**PLUMBING & PIPING INC.**

1620 S. Grove Ave., Unit B, Ontario, CA 91761  
(909) 595-9434

**PLUMBING  
EXTRA WORK AUTHORIZATION**

DATE: OCTOBER 16, 2019
JOB NO: 2027
PV&C NO:
WORK ON GOING: Yes / No
WORK COMPLETE: Yes / No
START DATE: OCTOBER 07, 2019
END DATE: OCTOBER 16, 2019

JOB NAME: MAGNOLIA SCIENCE ACADEMY  
CUSTOMER: OLTMANS CONSTRUCTION

CUSTOMER CHANGE ORDER NO. OR RFI NO.  
DESCRIPTION OR WORK: DISASSEMBLE EARTHQUAKE VALVE OUTSIDE BUILDING. CONNECTED GAS PRESSURE TEST SETUP TO PERFORM GAS TEST. WAITED FOR INSPECTION. PASSED INSPECTION REASSEMBLE EARTHQUAKE VALVE BACK ONTO EXISTING 2 1/2" GAS PIPE.

WORK DESCRIBED ABOVE AUTHORIZED BY	COMPLETION CERTIFICATION	PV&C PLUMBING
DATE: OCTOBER 16, 2019	DATE:	AUTHOR
COMPANY:	COMPANY:	
SIGNED:	SIGNED:	

MATERIAL			
TYPE/DESCRIPTION	QUANTITY	TYPE/DESCRIPTION	QUANTITY
1" MEGA PRESS 50"	4		
1x36" NIPPLE	1		
1" GAS MEGA PRESS COUP.	4		
ROLL GASTEFLOW	1		
CAN KEY TITE	1		
2 1/2" x 3/4" REDUCER FIT.	1		
15 PSI GAS GUGE	1		
6" STAINLESS NIPPLE	1		

EQUIPMENT	
EQUIPMENT	HOURS/DAYS
DELIVERY/TRUCK	
PIPE MACHINE	
POWER GENERATOR	
MAN LIFT	
BOBCAT / BACKHOE	
COMPACTOR	
CAMERA / LOCATOR (1ST HOUR)	
CAMERA / LOCATOR (ADDITIONAL HOURS)	
DRAIN SHOOTER	
3/8" CABLE SNAKE	
1/2" CABLE SNAKE	
OTHER:	
TIERED SUBCONTRACTOR:	

LABOR			
NO. OF MEN	STRAIGHT	OVERTIME	DOUBLE
	TIME	TIME	TIME
	6		
TOTAL HOURS	8		
TRAVEL		2	
EQUIPMENT HOURS			
TIER SUB HOURS			



# Oltmans

CONSTRUCTION CO.

Project: **Magnolia Science Academy**

Job #: **18049**

JWO #: **19**

JWO Date: **11/19/2019**

Description: *Supervision for Due to LADBS Added Scope For Gas Meter Release - OCCO supervision for PV&C work and coordination with inspector. PV&C work per COR #14 dates: 10/7, 10/15, 10/16.*

By: **Elizabeth Lara**

PM: **Trevor Lawton**

Date Entered:

Description	Qty.	Labor Rate	Equip/ Mat'l. Rate	Labor	Equip/ Mat'l.
<b>Classifications</b>					
1		0.0 hrs		\$0.00	
2	10/7/19 Luis Sanchez	4.0 hrs	\$ 95.00	\$380.00	
3	10/7/19 Luis Sanchez	4.0 hrs	\$ 95.00	\$380.00	
4	10/7/19 Luis Sanchez	4.0 hrs	\$ 95.00	\$380.00	
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		hrs		\$0.00	
TOTAL		12.0 hr			

<b>Equipment / Materials</b>					
1					
2					
3					
4					
5					
6					
7					
8					
9					

<i>Subtotals</i>		\$1,140.00	\$0.00
Small Tools 1.50%	0.00%	\$0.00	
<i>Subtotal</i>		\$1,140.00	
Labor Burden	0.00%	\$0.00	
Material & Equipment		\$0.00	
<i>Subtotal</i>		\$1,140.00	
Liability Insurance	0.00%	\$0.00	
<i>Subtotal</i>		\$1,140.00	
Self-Performed OH&P	0.00%	\$0.00	
<b>TOTAL</b>		<b>\$1,140.00</b>	

**EXCLUDES:**

- a) All subcontractor work (if any).





## LABOR RATE SHEET

General Field Superintendent	\$ 125.00/hour
Superintendent	\$ 95.00/hour
Project Executive	\$ 125.00/hour
Project Manager	\$ 110.00/hour
Project Engineer	\$ 70.00/hour
Safety Director	\$ 110.00/hour



PCI 54





CONSTRUCTION CO.

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

**POTENTIAL CHANGE ITEM**

PCI054

**TITLE:** Building Coping-Flashing Between Building

**DATE:** 11/18/2019

**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 change order request includes costs associated with the addition of the flashing/gutter between the existing MSA building and new MSA building. This work was added in Bulletins 1 & 2, but was on hold for most of the Project due to the lot tie not taking place and whether or not the work would occur. Originally the metal was going to be turned over to the School after final, however, during punch list due to concerns from the architect of water intrusion into the existing building (parapet cap missing) and the closing of the gaps between the buildings, the work was installed in September. Cost remains the same as originally priced, no escalation.

Vendor	Description	Amount
Armstrong & Aceves Company, Inc.	Flashing and Sheet Metal Between the Buildings. See A& COR #4 for reference.	5,394.00
	<b>SUBTOTAL:</b>	<b>5,394.00</b>
	Bond	45.00
	Gross Tax	8.00
	GL	53.00
	SDI	68.00
	Fee	276.00
	<b>SUBTOTAL:</b>	<b>450.00</b>
<b>TOTAL COST FOR THIS CHANGE ORDER REQUEST:</b>		<b>5,844.00</b>

**APPROVAL:**

Oltmans Construction Co.

**BY:**  Trevor Lawton

**DATE:** 11/18/19

**APPROVAL:**

Magnolia Educational and Research

**BY:**

**DATE:**





## Change Request

**To:** TREVOR LAWTON  
 OLTMANS CONSTRUCTION  
 10005 MISSION MILL RD.  
 WHITTIER, CA 90601  
 Ph: 562-948-4242 Fax: 562-695-9267

**Number:** 4  
**Date:** 10/30/18  
**Job:** 1-477 Magnolia Science Center  
**Phone:**

**Description:** Bulletin 1 & 2 Changes

We are pleased to offer the following specifications and pricing to make the following changes:

Please see attached pricing/credit for the following:

- Building to building flashing @ G/L 1 PP A3.1 as per bulletin 1&2 in lieu of gutter
- Credit for Gutter - @ G/L 1 PP A3.1

see attached highlighted plan.

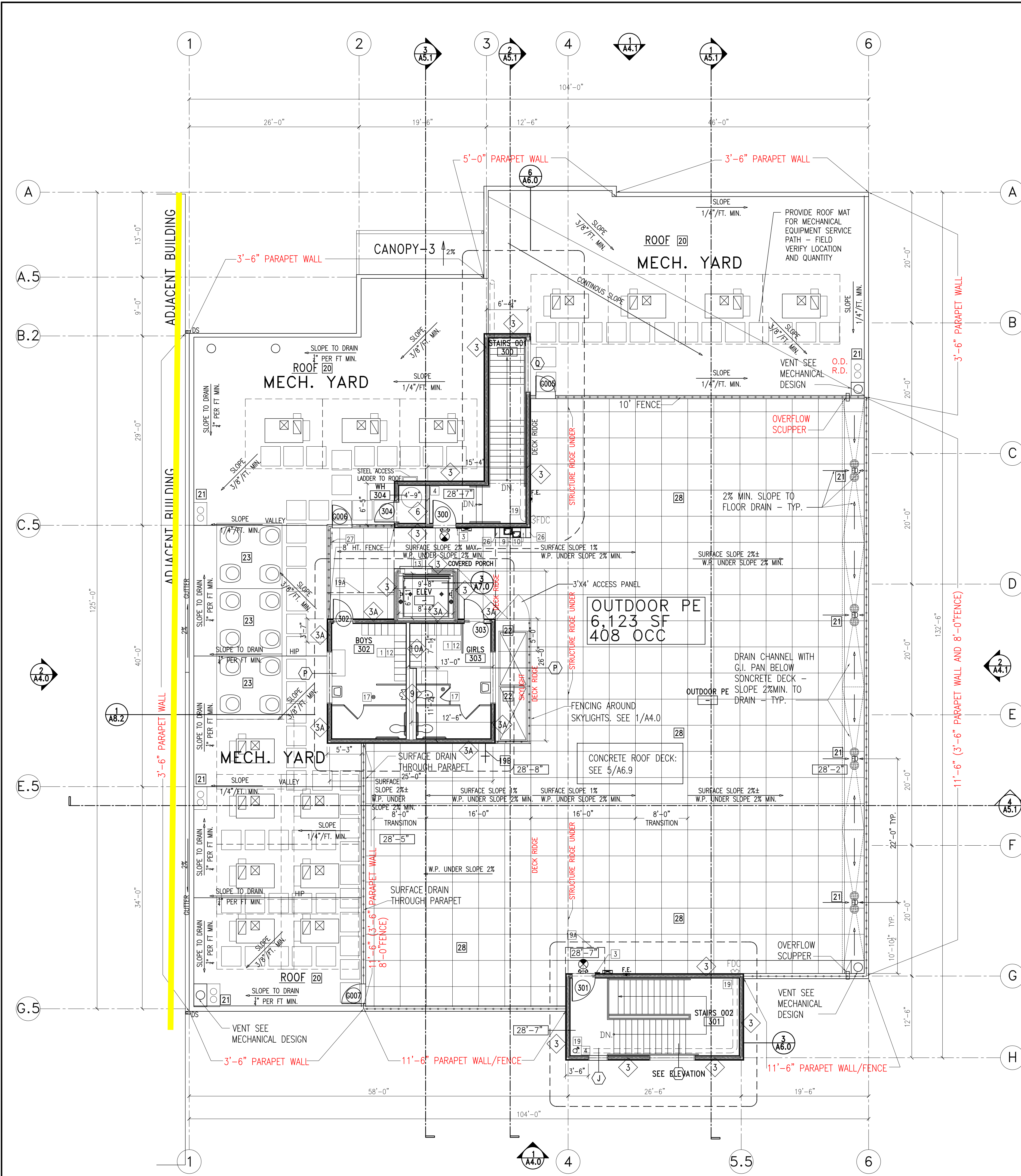
Work performed by us:				
Description	Quantity	Unit	Unit Price	Price
24 Gauge SM	40.00	sheet	\$38.00	\$1,520.00
SAF	2.00	Rolls	\$163.00	\$326.00
Shop Labor	16.00	hr	\$45.00	\$720.00
Installation Labor	48.00	hr	\$65.00	\$3,120.00
Credit for Gutter	1.00	ea	\$-946.24	\$-946.24
			<b>Subtotal:</b>	<b>\$4,739.76</b>
			Tax	\$1,826.00 9.00% \$164.34
			O H & P	\$4,904.10 10.00% \$490.41
			Round	\$-0.51
			<b>Total:</b>	<b>\$5,394.00</b>

If you have any questions, please contact me at 951-284-3456.

Submitted by: Michael Vides  
 ARMSTRONG & ACEVES COMPANY

Approved by: \_\_\_\_\_  
 Date: \_\_\_\_\_





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

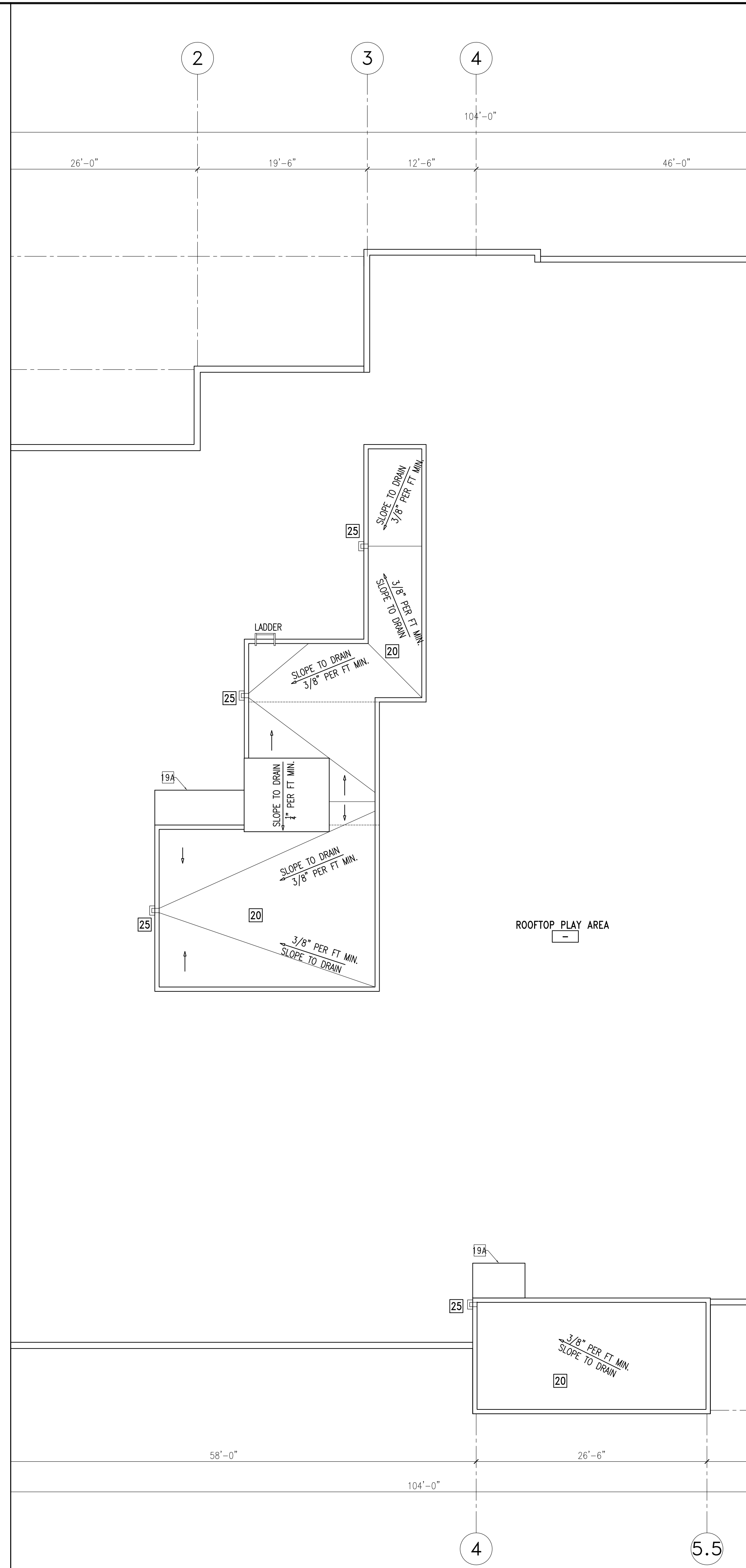
**GENERAL NOTES AND CONSTRUCTION PLAN NOTES—SEE A1.1**

**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 1/2-INCH GYPSUM BOARD, 3/8-INCH PLYWOOD, 3/8-INCH TYPE 2-M PARTICLE BOARD OR OTHER MATERIALS APPROVED BY THE BUILDING DEPARTMENT. DRAFT-STOPPING MUST BE ADEQUATELY SUPPORTED. (718.3.1)
- 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.



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

**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 4, 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 COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL, OR OTHER ACCEPTABLE METHODS TO REDUCE THE AMOUNT OF DUST, WATER, AND DEBRIS WHICH MAY ENTER THE SYSTEM. (CAL GREEN 5.504.3)
- PROVIDE A COOL ROOF WITH ADEQUATE THERMAL EMITTANCE AND SOLAR REFLECTANCE, OR SRV 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

**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 WALL CMU WALL-5/8" TYPE "X" GYP ONE SIDE, EXTERIOR PLASTER TROWL APPLIED. SEE DETAIL (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 (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 (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.
- PROVIDE FIRE RETARDANT-TREATED WOOD FRAMING COMPLYING WITH SECTION 2303.2, PER SECTION 602.3
- 2-HR EXTERIOR STUCCO WALL @ NORTH CANOPY, SEE DETAIL (D2.0) 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 (D2.0) 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/LANTOR SIDE. SEE DETAIL (D2.0)
- 1-HR FIRE-RATED PARTITION/DEMISING SHEAR WALL WITH PLYWOOD BOTH SIDES. SEE DETAIL (D2.0) AND SEE STRUCT'L
- 1-HR FIRE-RATED SHAFT WALL, SEE DETAIL (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 (D2.0)
- STUD WALL AT WET AREA WITH 5/8" WATER RESISTANT GYP. BD. ON EXPOSED SIDE ONLY. SEE DET. (D2.0)
- STUD WALL AT WET AREA
- WOOD STUD WALL FULL HEIGHT AND SOUND INSULATION WITH 5/8" WATER RESISTANT GYP. BD. BOTH SIDES. SEE DETAIL (D2.0)
- 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 (D2.0)

**CONSTRUCTION PLAN NOTES**

- 1-19A 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 EXTING THE BUILDING, SEE DETAIL (D2.0) (D1.0) (D1.0)
- 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. SHINGLE SIDE LAPS OF PLY SHEETS UNIFORMLY TO ACHIEVE REQUIRED NUMBER OF PILES THROUGHOUT THICKNESS OF ROOFING MEMBRANE. SHINGLE IN DIRECTION TO SHED WATER. EXTEND PLY SHEETS OVER AND TERMINATE BEYOND CANTS.
- 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.

**NEW BUILDING - ROOFING MATERIALS LIST:**

CLASS A FIVE PLY FIRE-RATED BUILT-UP ROOF ASSEMBLY:  
MANUF.: CAF MATERIALS CORPORATION

DECK:	PLYWOOD
BASE SHEET:	GAFGLAS #75 BASE SHEET, ASTM D-4601 - (1)LAYER
PLY SHEET:	GAFGLAS FLEX-PLY6, ASTM D-2178 - (3)PLY
SURFACING:	ENERGYCAP BUR, ASTM D-3909 (1)PLY
FLASHING:	RUBEROID MOP SMOOTH, ASTM D-6164
MEMBRANE:	ENERGYCAP BUR, ASTM D-3909 (1)PLY
QUARANTEE:	DIAMOND PLEDGE NDL - 20 YEARS UNLIMITED
WALKWAYS:	WALKWAY PADS: MINERAL-GRAINULE-SURFACED, REINFORCED ASPHALTIC COMPOSITION, SLIP-RESISTING PADS. PAD SIZE: 4X4. CAP SHEET STRIPS: ASTM D 6163 TYPE 1 OR II, GLASS-FIBER-REINFORCED, SBS-MODIFIED, ASPHALT-IMPREGNATED AND COATED WALKWAY SHEET, WITH WHITE COARSE MINERAL-GRAINULE TOP SURFACING AND FINE MINERAL SURFACING ON THE BOTTOM SURFACE.

**FRANCO ARCHITECTS INC.**  
12345 Ventura Blvd. H  
Studio City, CA 91604  
Tel 818 754-2030  
Fax 818 754-2032  
Architecture and Planning

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

REV DESCRIPTION DATE

1	PLAN CHECK #1	6/14/2017
2	PD PLAN CHECK	10/31/2017
3	PD PLAN CHECK	12/14/2017

PROJECT: MAGNOLIA SCIENCE ACADEMY

PROJECT ADDRESS: 18220 SHERMAN WAY, RESEDA, CA91335

DRAWING TITLE: ROOF CONSTRUCTION PLAN

DRAWN BY:	DATE:
12/14/2017	
JOB NUMBER:	DRAWING SCALE:
AS NOTED	

DATE: 4/30/2019  
REVISION DATE: 12/14/2017

REGISTERED ARCHITECT  
JOHANN D. HANNO  
C27010

**A3.1**