



Overaa Construction
 2380 Qume Drive, Suite A
 San Jose, CA 95131
 p (510) 694-17719200

CHANGE ORDER REQUEST
 COR No: 53.00

January 18, 2018

Scotts Valley Unified School District
 Attn: Mike Smith
 4444 Scotts Valley Drive, Suite 5B
 Scotts Valley, CA 95066

Re: 3405 – Scotts Valley Middle School Modernization
 Subject: Bulletin 31 – Landscaping and Irrigation Changes

Dear Mike,

Jodi McGraw, the project Biologist, reviewed the planting plan for compliance with the Habitat Conservation Plan (HCP). Jodi suggested more plants native to the Zayante Hills be incorporated into the planting plan. After a review of plants that are readily available, Bulletin 31 was issued. This change order is for the changes made to the landscape and irrigation scope of work to incorporate more native plants to the campus. The sum of the changes amount to a credit of \$1,785.

• K&D Landscaping quote dated 1/16/18	\$	-1,785
TOTAL:	\$	-1,785

Please authorize this change order in the amount of -\$1,785 so that we may proceed with the work as described in Bulletin 31.

This quotation covers only the direct cost of the work described and does not include any evaluation of the impact of the subject change upon the contract time or any costs related thereto. This quotation is only for the work described herein. No other impacts are considered unless specifically noted. Unless noted otherwise, this proposal will remain valid for ten days from the date of this proposal.

Very truly yours,
Overaa Construction

Kayla Smith
 Project Engineer

T.J.

Approved By:	
Owner:	
Date:	2-8-18

PCO: 85

APPROVED:

 2-8-2018

I, T.J. GUNTER [name of declarant], declare the following:

Overaa Construction [Contractor company name] has contracted with Scotts Valley Unified School District for the Scotts Valley Middle School Campus Modernization Project. Overaa Construction [Contractor company name] authorized me to prepare the attached COR for money and/or time extension) for Scotts Valley Unified School District regarding this Project (dated 1/18, 2018 entitled COR #53 and requesting \$ (1,185) and/or 0 additional days), and I prepared the attached COR. I am the most knowledgeable person at Overaa Construction [contractor company name] regarding this COR

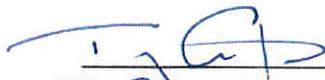
The attached COR complies with all laws applicable to submission of : COR , including, but not limited to, California Penal Code section 72, Government Code sections 12650 et seq. (False Claims Act), and Business and Professions Code sections 17200 et seq. (Unfair Business Practices Act). I am aware that submission or certification of false COR , or other COR that violate law or the Contract, may lead to fines, imprisonment, and/or other serious legal consequences for myself or Overaa Construction [contractor company name].

The attached COR does not breach the Contract between Overaa Construction [contractor company name] and Scotts Valley Unified School District for this Project, is not a false COR does not violate any applicable law, satisfies all provisions of the Contract applicable to submission of the COR only contains truthful and accurate supporting data, and only requests money and/or time extensions that accurately reflect the adjustments to money and time for which I believe that Scotts Valley Unified School District is responsible under its Contract with Overaa Construction [contractor company name].

While preparing this declaration and COR I consulted with others (including attorneys, consultants, or others who work for Overaa Construction [Contractor company name]) when necessary to ensure that the statements were true and correct.

Contractor understands and agrees that any COR submitted without this certification does not meet the terms of the Contract Documents; that Owner, or Owner's representatives, may reject the COR on that basis; and that unless Contractor properly and timely files the COR with the certification, Contractor cannot further pursue the COR in any forum and all rights to additional money or time for the issues covered by the COR are waived due to a condition precedent not having been satisfied.

I declare under the penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed 1/18, 2018, at Scotts Valley, California.


T.J. Gunter [name of declarant]



K & D Landscaping, Inc.
62-C Hanger way
Watsonville, CA 95076
Phone: (831) 728-4018
Fax: (831) 728-6544
License Number: 664584

January 15, 2018
Estimate# IE17-104

Attn: TJ Gunter
C. Overra & Co.
tjgunter@overaa.com

PCO#2-Bulletin 31 – Scott's Valley Middle School

K & D LANDSCAPING will furnish all materials, equipment and labor necessary to perform the work as specified herein:

Summary of changes:

- Remove two (2) valves from original scope with associated labor
- Add four (4) tree bubblers in front of MPR Building for 2 new Quercus Agrifolia with labor
- Add fifty-four (54) shrub bubblers, associated lateral lines and labor
- Includes plant changes with associated labor
- Add two (2) Quercus Agrifolia in front of MPR Building

Exclusions:

- Warranty for owner provided plants – Pinus Ponderosa

Grand Total Deduct: \$1,785.00

PROJECT NUMBER
DATE SUBMITTED
SUB CONTRACTOR

SCOTTS VALLEY MIDDLE SCHOOL
1/16/2018
K&D LANDSCAPING INC.

REFERENCE SOURCE
Bulletin# 31
Dated 1/16/2018

SUB CONTRACTOR POTENTIAL CHANGE ORDER #

2

Summary of changes: Remove two (2) valves from original scope with associated labor. Add four (4) tree bubblers in front of MPR Building for 2 new Quercus Agrifolia with labor. Add fifty-four (54) shrub bubblers, associated lateral lines and labor. Includes plant changes with associated labor. Add two (2) Quercus Agrifolia in front of MPR Building
Exclusions: Warranty for owner provided plants – Pinus Ponderosa, change in all valve sizes to 1" size

ITEM DESCRIPTION (trade w/ name, material type, etc.)	MATERIAL (sales tax included)			LABOR			EQUIPMENT			
	QUANTITY	UNIT	UNIT COST	EXTENSION	QTY HOURS	RATE	Encumbrance	QUANTITY	UNIT COST	EXTENSION
Plant Material Delta	1	LS	\$ (1,243.00)	\$ (1,243.00)	-16	75	15			\$ -
Irrigation Material Delta	1	LS	\$ 340.00	\$ 340.00	8	75	15			\$ 720.00
				SUBTOTAL: \$ (903.00)						
										SUBTOTAL: \$ (720.00)

DAYS IMPACTED ON CRITICAL PATH SCHEDULE

0

MATERIAL \$ (903.00)
LABOR \$ (720.00)
EQUIPMENT \$ -

SUBTOTAL ON DIRECT COSTS \$ (1,623.00)
FEE ON DIRECT COSTS \$ (162.30)
TOTAL SUB CONTRACTOR POTENTIAL CHANGE ORDER COST \$ (1,785.30)

SUBTOTAL ON DIRECT COSTS \$ (1,623.00)
FEE ON DIRECT COSTS 10% \$ (162.30)

TOTAL SUB CONTRACTOR POTENTIAL CHANGE ORDER COST

NOTES:



200 Parr Boulevard, Richmond, CA 94801
p (510) 234-0926 f (510) 237-2435 www.overaa.com

Bulletin 31

3405- Scotts Valley Middle School

Jobsite Fax No:

Pages: 12

Date: 1/4/2018

From: Kayla Smith

C. Overaa Co.
2380 Qume Drive, Suite A
San Jose, CA 95131

Phone: 669.284.9200

Fax: 669.284.9201

Email: kaylas@overaa.com

Revisions to the landscape and irrigation plans to better comply with the HCP.



BULLETIN - DSA

ISSUE DATE	January 4, 2018	BULLETIN NO	031
PROJECT NAME	Scotts Valley Middle School	DSA FILE NO	44-43
CAW PROJECT NO.	14033	APPLICATION NO	116046
ISSUED TO	TJ Gunter C. Overaa & Co. 2380 Gume Dr, Suite A San Jose, CA 95131	Reference	RFI 157.1
ISSUED BY	Monique Wood		
CC:			

All materials and work hereinafter shall conform to all requirements of the project Drawings and Specifications, except as otherwise described.

Choose one of the following:

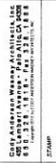
<input checked="" type="checkbox"/>	I. Execute promptly the instructions given herein, which interpret the Contract Documents or order minor changes in the Work without change in Contract Sum or Contract Time. If you consider that a change in Contract Sum or Contract Time is required, submit an itemized proposal to the Architect immediately and before proceeding with this Work. If your proposal is found to be satisfactory and in proper order, this Bulletin will be superseded by a Change Order.
<input type="checkbox"/>	II. Changes described herein are being considered for incorporation into the Work. Submit an itemized quotation, in format required by the Contract Documents, indicating your proposed changes to the Contract Sum or Contract Time. Do not proceed with the changes described herein until further written instructions are issued by the Architect.
<input type="checkbox"/>	III. In order to expedite the Work and avoid or minimize delays in the Work which may affect Contract Sum or Contract Time, the Contract Documents are hereby amended as described below. Proceed with this work promptly and submit final costs for Work involved and change in Contract Time (if any), for inclusion in a subsequent Change Order.

ITEM NO DESCRIPTION

1	<p>Adjustment to <u>irrigation</u> plan and schedule sheets L201A, L202A, L203A, L201B, L202B and L203B to represent the following changes in irrigation layout and materials:</p> <ul style="list-style-type: none"> • Original valve 13 and 22 for tree bubblers have been removed. Other valve numbers are adjusted accordingly. • All the irrigation zone precipitation rates have been updated. • Add 2 tree bubblers in front of MPR Building for 2 new <i>Quercus agrifolia</i>. • 54 shrub bubblers have been added for new shrubs. • Water budget calculation and irrigation schedule have been adjusted according to new valve numbering and gpm.
2	<p>Adjustment to <u>planting</u> plan sheets L301A, L302A, L301B and L302B to represent the following changes in planting materials:</p> <ul style="list-style-type: none"> • Replace <i>Arbutus unedo</i> with <i>Hetermeles arbutifolia</i> • Replace <i>Cercis occidentalis</i> with <i>Pinus ponderosa</i> at turnaround bio-retention area. Remove <i>Cercis occidentalis</i> elsewhere. • Replace <i>Arctostaphylos densiflora</i> 'Howard McMinn' with <i>Dendromecon rigida</i> 'Harfordii' • Replace <i>Artemisia</i> 'Powis Castle' with <i>Salvia mellifera</i> • Replace <i>Ceanothus</i> 'Julia Phelps' with <i>Rhamnus californica</i> • Replace <i>Ribes viburnifolium</i> with <i>Salvia mellifera</i> • Replace <i>Zauschneria californica</i> with <i>Mimulus aurantiacus</i> • Replace <i>Festuca californica</i> with <i>Festuca rubra</i> • Add 2 <i>Quercus agrifolia</i> in front of MPR Building where existing oak tree was removed • Due to the spacing changes for substituted shrubs, 54 additional shrubs have been added

NOTE

This is a Type B Bulletin, and does not require DSA review and approval.



DAVID RUBIN
Professional Engineer
No. 10000
State of California

DAVID RUBIN ARCHITECTS
320 South First Street, Suite 200
San Jose, CA 95113
Phone: (408) 281-9000
Fax: (408) 281-9000

DATE: 01/03/2016
PROJECT: IRRIGATION PLAN
DRAWN BY: D. RUBIN
CHECKED BY: D. RUBIN
DATE: 01/03/2016

PROJECT NAME: SCOTT'S VALLEY MIDDLE SCHOOL
PROJECT ADDRESS: 8 BEAN CREEK RD
CITY: SCOTT'S VALLEY, CA 95066

PROJECT FILE: IRRIGATION PLAN
SHEET NO: 10274
DRAWN BY: D. RUBIN
CHECKED BY: D. RUBIN
DATE: 01/03/2016

PROJECT INFORMATION

- DATE: 01/03/2016
- PROJECT APPLICANT: CALLANER ASSOCIATES
- PROJECT ADDRESS: 8 BEAN CREEK ROAD, SCOTT'S VALLEY, CA
- TOTAL IRRIGATED LANDSCAPE AREA: 35,020 SF
- PROJECT TYPE: CAMPGROUND RENOVATION
- WATER SUPPLY TYPE: RECYCLED WATER

PROJECT CONTACTS:
DAVID RUBIN ARCHITECTS
SALLANER ASSOCIATED LANDSCAPE ARCHITECTURE, INC.
SAN JOSE, CA 95113
PHONE: (408) 281-9000
FAX: (408) 281-9000

WATER BUDGET CALCULATION

Hydrozone	Plant Water Use (MG)	Hydrozone Area (HA)	% of Landscape Area
1	1.0	1.0	2.85
2	1.0	1.0	2.85
3	1.0	1.0	2.85
4	1.0	1.0	2.85
5	1.0	1.0	2.85
6	1.0	1.0	2.85
7	1.0	1.0	2.85
8	1.0	1.0	2.85
9	1.0	1.0	2.85
10	1.0	1.0	2.85
11	1.0	1.0	2.85
12	1.0	1.0	2.85
13	1.0	1.0	2.85
14	1.0	1.0	2.85
15	1.0	1.0	2.85
16	1.0	1.0	2.85
17	1.0	1.0	2.85
18	1.0	1.0	2.85
19	1.0	1.0	2.85
20	1.0	1.0	2.85
21	1.0	1.0	2.85
22	1.0	1.0	2.85
23	1.0	1.0	2.85
24	1.0	1.0	2.85
25	1.0	1.0	2.85
26	1.0	1.0	2.85
27	1.0	1.0	2.85
28	1.0	1.0	2.85
29	1.0	1.0	2.85
30	1.0	1.0	2.85
31	1.0	1.0	2.85
32	1.0	1.0	2.85
33	1.0	1.0	2.85
34	1.0	1.0	2.85
TOTAL	35.020	35.020	100%

IRRIGATION PLAN
SCOTT'S VALLEY MIDDLE SCHOOL
8 BEAN CREEK RD
SCOTT'S VALLEY, CA 95066

IRRIGATION SCHEDULE

Hydrozone	Plant Water Use (MG)	Hydrozone Area (HA)	% of Landscape Area	Plant Water Use (MG)	Hydrozone Area (HA)	% of Landscape Area	Plant Water Use (MG)	Hydrozone Area (HA)	% of Landscape Area	Plant Water Use (MG)	Hydrozone Area (HA)	% of Landscape Area	Plant Water Use (MG)	Hydrozone Area (HA)	% of Landscape Area	Plant Water Use (MG)	Hydrozone Area (HA)	% of Landscape Area
1	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
2	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
3	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
4	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
5	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
6	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
7	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
8	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
9	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
10	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
11	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
12	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
13	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
14	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
15	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
16	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
17	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
18	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
19	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
20	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
21	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
22	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
23	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
24	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
25	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
26	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
27	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
28	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
29	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
30	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
31	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
32	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
33	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
34	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85	1.0	1.0	2.85
TOTAL	35.020	35.020	100%															

IRRIGATION PLAN
SCOTT'S VALLEY MIDDLE SCHOOL
8 BEAN CREEK RD
SCOTT'S VALLEY, CA 95066

ABREVIATIONS KEY

- W = Very Low Water-Use Plants
- LW = Low Water-Use Plants
- MV = Moderate Water-Use Plants
- HV = High Water-Use Plants
- WET = Wetland Species List
- MS = Medium Spray
- B = Bubbler
- SS = Stream Sprinkler
- AS = Anti-Siphon Valve
- DS = Drop

DEFINITIONS

- ETO = Evapotranspiration in Assembly Areas
- LA = Irrigation Area (excluding SJA, League Park)
- SJA = Shared Irrigation Area (SJA, League Park)
- LA + SJA = Total Irrigation Area (SJA, League Park)
- EE = Irrigation Efficiency (must exceed 0.11)

MAXIMUM APPLIED WATER ALLOWANCE (MAWA)

ETO	44.2
LA	37,020
LA + SJA	62,210
MAWA = (ETO x LA) / (EE x SJA)	384,884
MAWA = (ETO x (LA + SJA)) / (EE x SJA)	384,884

ESTIMATED TOTAL WATER USE (ETWU)

ETO	44.2
LA	37,020
LA + SJA	62,210
ETWU = (ETO x LA) / (EE x SJA)	384,884
ETWU = (ETO x (LA + SJA)) / (EE x SJA)	384,884

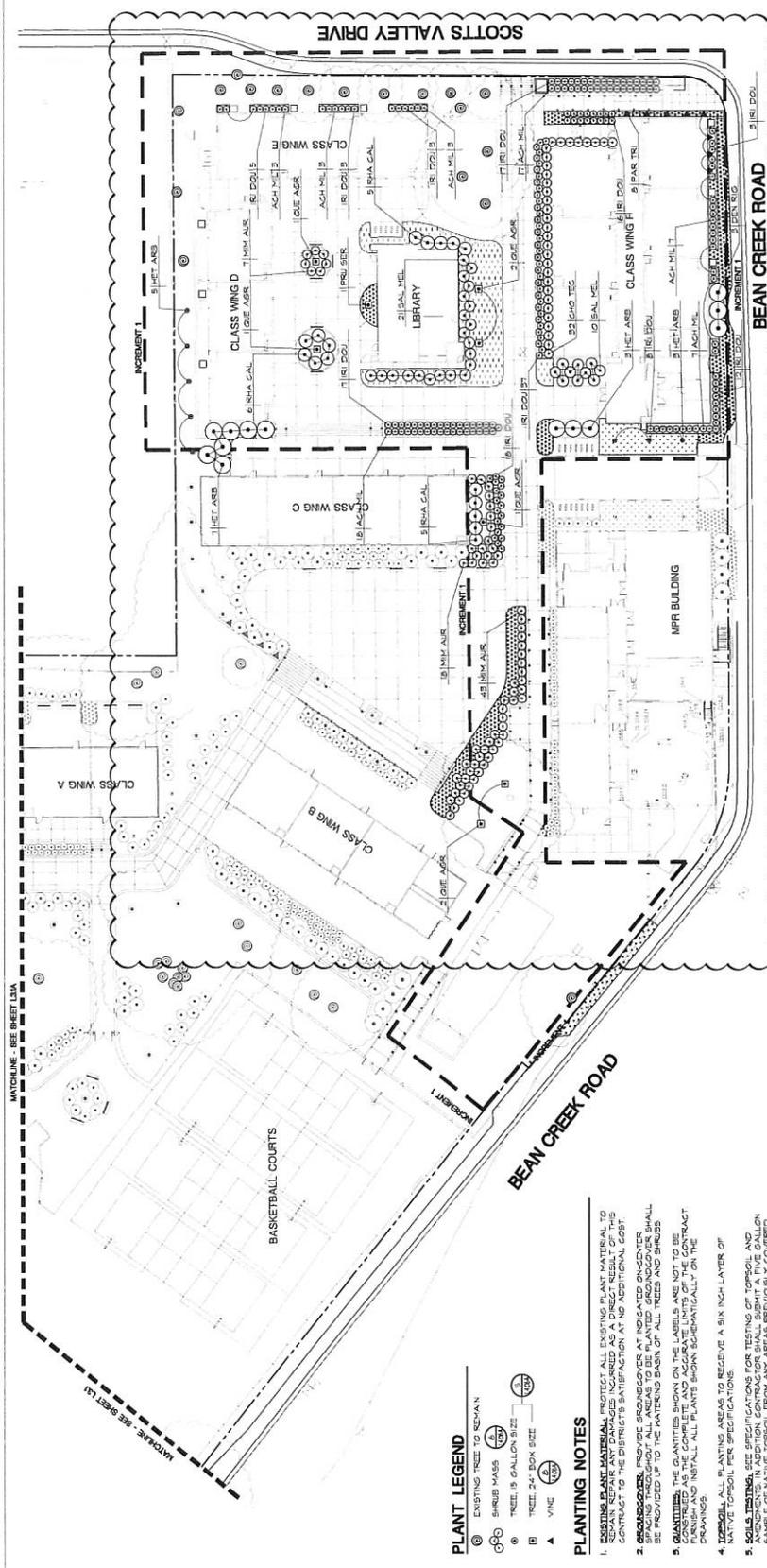


NO.	REVISION	DATE
1	ISSUE FOR PERMIT	08/20/2017
2	ISSUE FOR PERMIT	08/20/2017
3	ISSUE FOR PERMIT	08/20/2017
4	ISSUE FOR PERMIT	08/20/2017
5	ISSUE FOR PERMIT	08/20/2017
6	ISSUE FOR PERMIT	08/20/2017
7	ISSUE FOR PERMIT	08/20/2017
8	ISSUE FOR PERMIT	08/20/2017
9	ISSUE FOR PERMIT	08/20/2017
10	ISSUE FOR PERMIT	08/20/2017

PROJECT NAME	SCOTT'S VALLEY MIDDLE SCHOOL
PROJECT NO.	18-0001
PROJECT ADDRESS	8 BEAN CREEK RD. SCOTT'S VALLEY, CA 95066
DATE	08/20/2017
DESIGNER	FOOT ANDREWS WATTEL
PROJECT MANAGER	DAVID WATTEL
PROJECT ARCHITECT	DAVID WATTEL
PROJECT ENGINEER	DAVID WATTEL
PROJECT LANDSCAPE ARCHITECT	DAVID WATTEL

PLANTING PLAN

PROJECT NO.	18-0001
PROJECT ADDRESS	8 BEAN CREEK RD. SCOTT'S VALLEY, CA 95066
DATE	08/20/2017
DESIGNER	FOOT ANDREWS WATTEL
PROJECT MANAGER	DAVID WATTEL
PROJECT ARCHITECT	DAVID WATTEL
PROJECT ENGINEER	DAVID WATTEL
PROJECT LANDSCAPE ARCHITECT	DAVID WATTEL



PLANT LEGEND

- EXISTING TREE TO REMAIN
- SHRUB MASS
- TREE 15 GALLON SIZE
- TREE 24" BOX SIZE
- VINE

PLANTING NOTES

1. EXISTING PLANT MATERIAL TO REMAIN SHALL BE MAINTAINED TO THE DISTRICT'S SATISFACTION AT NO ADDITIONAL COST TO THE DISTRICT.
2. SOILS TO BE PROVIDED SHALL BE AS SPECIFIED IN THE CONTRACT. PROVIDE GROUND COVER AT INDICATED ON CENTER LINES. ALL AREAS TO BE PLANTED SHALL BE PREPARED AND FERTILIZED AS SPECIFIED IN THE CONTRACT. ALL AREAS TO BE PLANTED SHALL BE PREPARED AND FERTILIZED AS SPECIFIED IN THE CONTRACT.
3. SOILS TO BE PROVIDED SHALL BE AS SPECIFIED IN THE CONTRACT. PROVIDE GROUND COVER AT INDICATED ON CENTER LINES. ALL AREAS TO BE PLANTED SHALL BE PREPARED AND FERTILIZED AS SPECIFIED IN THE CONTRACT.
4. ALL PLANTING AREAS TO RECEIVE A SIX INCH LAYER OF NATIVE TOPSOIL PER SPECIFICATIONS.
5. SOILS TO BE PROVIDED SHALL BE AS SPECIFIED IN THE CONTRACT. PROVIDE GROUND COVER AT INDICATED ON CENTER LINES. ALL AREAS TO BE PLANTED SHALL BE PREPARED AND FERTILIZED AS SPECIFIED IN THE CONTRACT.

PLANT LIST

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
○	HET ANB	HET ANB	15 GAL	AS SHOWN
○	CLIP LETY	LETYLAND CYPRESS	24" BOX	AS SHOWN
○	FIN FON	FONDEGSA PINE	SUPPLIED BY DISTRICT	AS SHOWN
○	FRU SER	KANZAN CHERRY TREE	24" BOX	AS SHOWN
○	GLE ASR	GOAST LIVE OAK	24" BOX	AS SHOWN
○	ZEL SER	ZELANDYA	24" BOX	AS SHOWN
○	ACH MIL	ACHILLEA MILLEFOLIUM MOONBINE	1 GAL	3'-0"
○	CHO TEC	CHONDROPETALUM TECTORUM	5 GAL	4'-0"
○	DEN RIG	DENDROGON RIGIDA HARTFORDI	5 GAL	8'-0"
○	HET ANB	HET ANB BUSH POMP	5 GAL	8'-0"
○	IRI DOU	IRIS DOUGLASSIANA	1 GAL	3'-0"
○	MIN ALC	MINI ALUMINUM	1 GAL	4'-0"
○	RHA CAL	RHAPS CALIFORNICA	5 GAL	6'-0"
○	SAL MEL	SALVIA MELIFERA	5 GAL	3'-0"

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
○	VINE	VINE	5 GAL	AS SHOWN
○	PARK TRI	PARTICOCASSUS TRICUSPIDATA	5 GAL	AS SHOWN
○	GRANDCOVER GRASSES	GRANDCOVER GRASSES	5 GAL	AS SHOWN
○	BAGHANS PILLARS	BAGHANS PILLARS	5 GAL	AS SHOWN
○	GOYOTE BRUSH	GOYOTE BRUSH	5 GAL	AS SHOWN
○	CALIFORNIA FIELD EDGE	CALIFORNIA FIELD EDGE	5 GAL	AS SHOWN
○	RED TREASURE	RED TREASURE	5 GAL	AS SHOWN



CONSULTANTS

DATE
 DATE: 10/20/11
 DESIGNER: [Redacted]
 DRAWN BY: [Redacted]
 CHECKED BY: [Redacted]
 APPROVED BY: [Redacted]

REVISIONS

NO.	REVISION	DATE
1	ISSUED FOR PERMIT	10/20/11
2	REVISED PER COMMENTS	11/02/11
3	REVISED PER COMMENTS	11/02/11
4	REVISED PER COMMENTS	11/02/11
5	REVISED PER COMMENTS	11/02/11
6	REVISED PER COMMENTS	11/02/11
7	REVISED PER COMMENTS	11/02/11
8	REVISED PER COMMENTS	11/02/11
9	REVISED PER COMMENTS	11/02/11
10	REVISED PER COMMENTS	11/02/11
11	REVISED PER COMMENTS	11/02/11
12	REVISED PER COMMENTS	11/02/11
13	REVISED PER COMMENTS	11/02/11
14	REVISED PER COMMENTS	11/02/11
15	REVISED PER COMMENTS	11/02/11
16	REVISED PER COMMENTS	11/02/11
17	REVISED PER COMMENTS	11/02/11
18	REVISED PER COMMENTS	11/02/11
19	REVISED PER COMMENTS	11/02/11
20	REVISED PER COMMENTS	11/02/11

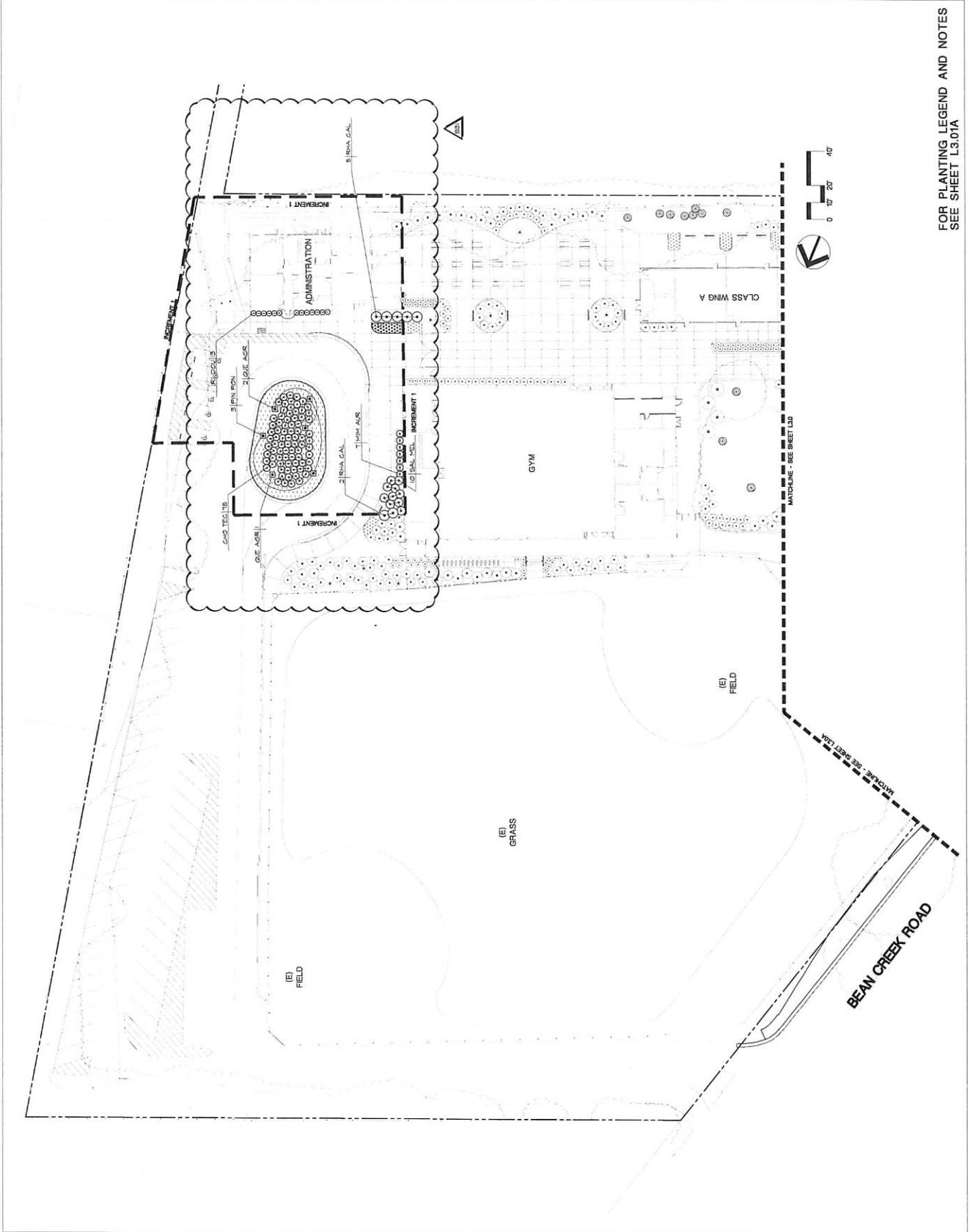
PROJECT NAME: SCOTT VALLEY MIDDLE SCHOOL
 NEW CAMPUS
 8 BEAN CREEK RD
 SCOTT VALLEY, CA 95066

SHEET TITLE: PLANTING PLAN

PROJECT NO: 10274
 DRAWN BY: [Redacted]
 CHECKED BY: [Redacted]
 SHEET:

L3.02A

FOR PLANTING LEGEND AND NOTES
 SEE SHEET L3.01A





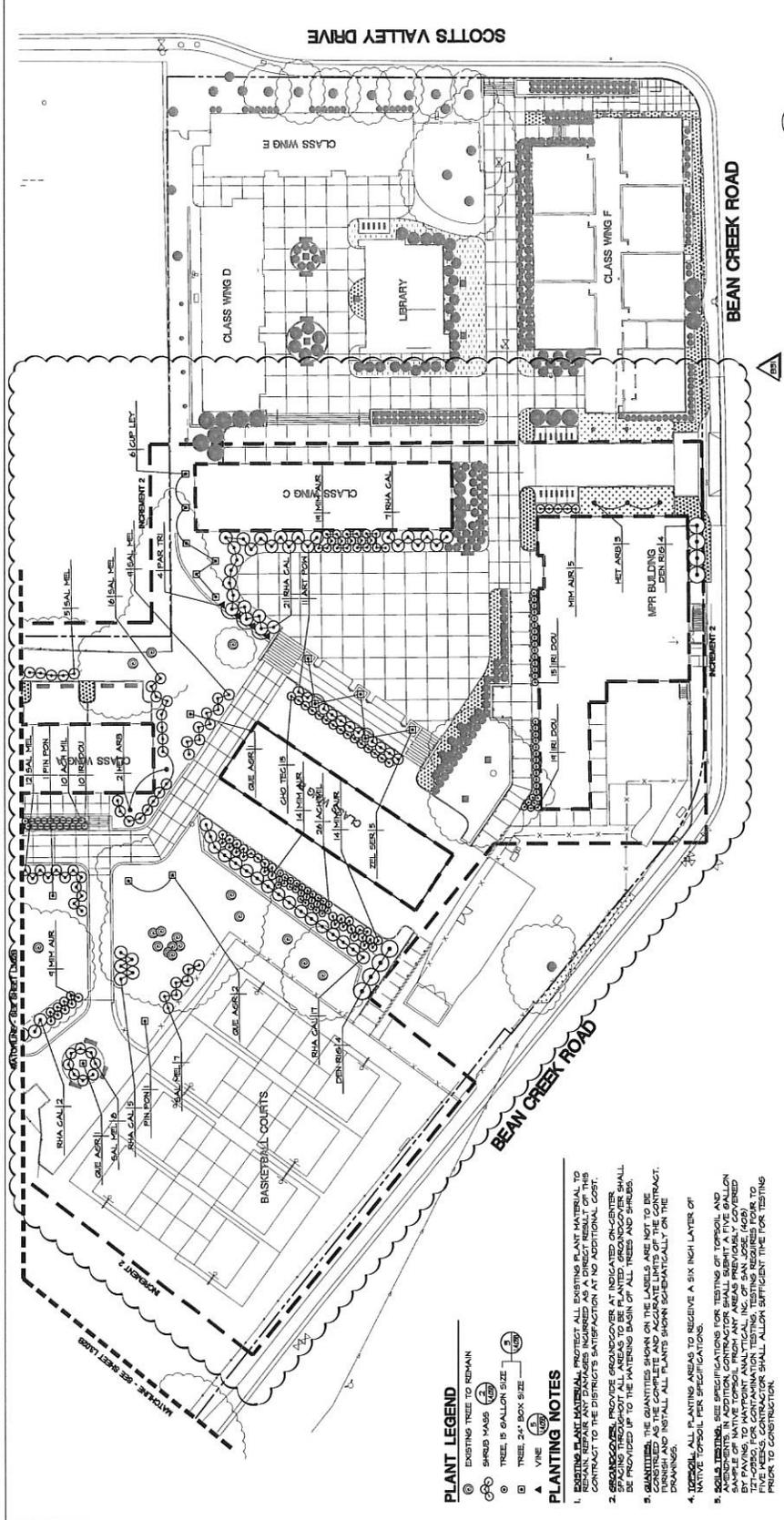
CONTRACT NO. 2013-001
CLIENT Scotts Valley Middle School
1000 W. 10TH ST. SUITE 100
DENVER, CO 80202

NO.	REVISION	DATE
1	ISSUED FOR PERMIT	08/20/13
2	REVISED PER COMMENTS	09/10/13
3	REVISED PER COMMENTS	09/10/13
4	REVISED PER COMMENTS	09/10/13
5	REVISED PER COMMENTS	09/10/13

PROJECT NAME SCOTTS VALLEY MIDDLE SCHOOL
NO. 8 BEAN CREEK RD
LOCATION SCOTTS VALLEY, CA 95066

DATE 08/20/13
PROJECT NO. 2013-001
DRAWN BY [Name]
CHECKED BY [Name]
SCALE AS SHOWN

L3.01B



PLANT LEGEND

- ⊙ EXISTING TREES TO REMAIN
- ⊙ SPRING MAINT
- ⊙ TREE IS GALLON SIZE
- ⊙ TREE IS 24" BOX SIZE
- ⊙ VINE

PLANTING NOTES

1. EXISTING PLANT MATERIAL: PROTECT ALL EXISTING PLANT MATERIAL TO REMAIN. REPAIR ANY DAMAGES INCURRED AS A DIRECT RESULT OF THIS CONTRACT TO THE DISTRICT'S SATISFACTION AT NO ADDITIONAL COST.
2. GRASS COVERS: PROVIDE GRASS COVERS AT INDICATED ON-CENTER SPACING. ALL GRASS COVERS SHALL BE PROVIDED UP TO THE WATERING BASIN OF ALL TREES AND SHRUBS.
3. QUANTITIES: THE QUANTITIES SHOWN ON THE LABELS ARE NOT TO BE CONSIDERED AS THE COMPLETE AND ACCURATE LIMITS OF THE CONTRACT. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THE DRAWINGS.
4. TOPSOIL: ALL PLANTING AREAS TO RECEIVE A SIX INCH LAYER OF NATIVE TOPSOIL PER SPECIFICATIONS.
5. SOILS TESTING: SEE SPECIFICATIONS FOR TESTING OF TOPSOIL AND AMENDMENTS. IN ADDITION, CONTRACTOR SHALL PROVIDE A FIVE GALLON SAMPLE OF SOIL TO MATTHEW ANALYTICAL, INC. OF SAN JOSE (408) 298-1111 FOR TESTING. CONTRACTOR SHALL ALLOW SUFFICIENT TIME FOR TESTING PRIOR TO CONSTRUCTION.

PLANT LIST

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
RET ANS	HETEROSCELIS ARBUTIFOLIA	TOYON	18 GAL	AS SHOWN
CUP LET	QUERCUS PARVIFLORA	LETLAND CYPRESS	24" BOX	AS SHOWN
FIN PON	PRUNUS PONDEROSA	PRUNUS PONDEROSA	SUPPLIED BY DISTRICT	AS SHOWN
FRU SER	PRUNUS SEROTINA 'KAWANAN'	KAWANAN CHERRY TREE	24" BOX	AS SHOWN
QUE AGR	QUERCUS AGRI-FOLIA	COAST LIVE OAK	24" BOX	AS SHOWN
ZEL SER	ZELKOVA SERATA	ZELKOVA	24" BOX	AS SHOWN
ACH MIL	ACHILLEA MILLEFOLIUM 'MOONSHINE'	YARROW TULLOCH	1 GAL	3'-0"
CHO TEC	CHOCORNETALUM TECTORUM	GATE RUSH	5 GAL	4'-0"
DER RIG	DENDROGON RIGIDA 'HARBORDII'	ISLAND BUSH POPPY	5 GAL	8'-0"
RET ANS	HETEROSCELIS ARBUTIFOLIA	TOYON	5 GAL	8'-0"
IRI DOU	IRIS DOUGLASSIANA	DOUGLASS IRIS	1 GAL	3'-0"
IMP AIR	IMPATIENS ANNUATIGAS	STICKY MONKEY FLOWER	1 GAL	4'-0"
RHA CAL	RHAMNUS CALIFORNICA	COPPEBERRY	5 GAL	6'-0"
SAL MEL	SALVIA MELIIFERA	BLACK SAGE	5 GAL	5'-0"

PLANTING PLAN

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
PACK TRI	PANTOCOCUS TRICURPATA	BOSTON IVY	5 GAL	AS SHOWN
GRASS COVERS	GRASS COVERS	GRASS COVERS	5 GAL	5'-0"
COYOTE BRUSH	COYOTE BRUSH	COYOTE BRUSH	1 GAL	3'-0"
CALIFORNIA FIELD SEDGE	CALIFORNIA FIELD SEDGE	CALIFORNIA FIELD SEDGE	1 GAL	3'-0"
RED FLECKLE	RED FLECKLE	RED FLECKLE	1 GAL	3'-0"



CONTRACT NO. 43
DATE 11/03/07

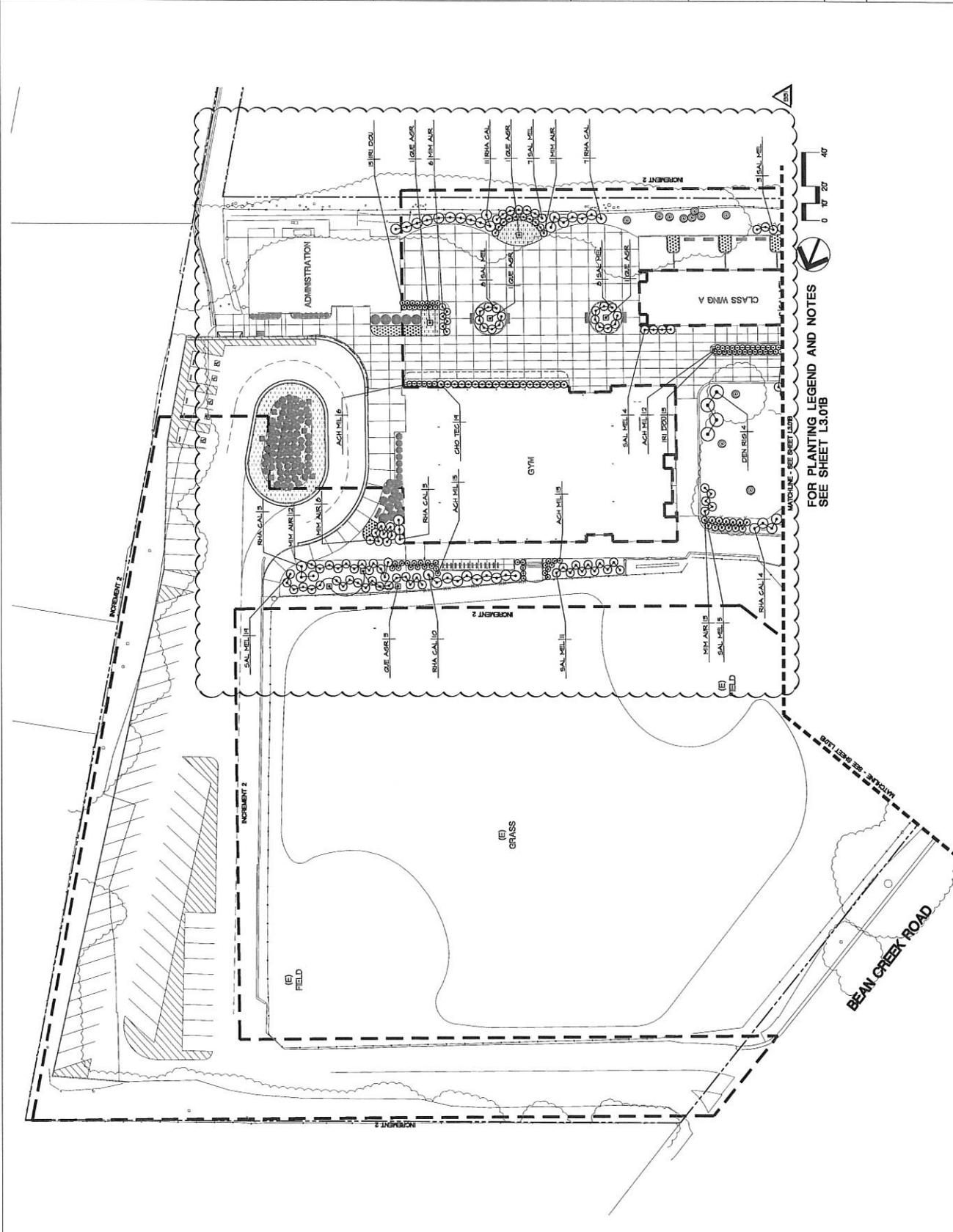
NO.	REVISION	DATE
1	ISSUED FOR PERMITS	11/03/07
2	REVISED PER COMMENTS	11/03/07
3	REVISED PER COMMENTS	11/03/07
4	REVISED PER COMMENTS	11/03/07
5	REVISED PER COMMENTS	11/03/07
6	REVISED PER COMMENTS	11/03/07
7	REVISED PER COMMENTS	11/03/07
8	REVISED PER COMMENTS	11/03/07
9	REVISED PER COMMENTS	11/03/07
10	REVISED PER COMMENTS	11/03/07
11	REVISED PER COMMENTS	11/03/07
12	REVISED PER COMMENTS	11/03/07
13	REVISED PER COMMENTS	11/03/07
14	REVISED PER COMMENTS	11/03/07
15	REVISED PER COMMENTS	11/03/07
16	REVISED PER COMMENTS	11/03/07
17	REVISED PER COMMENTS	11/03/07
18	REVISED PER COMMENTS	11/03/07
19	REVISED PER COMMENTS	11/03/07
20	REVISED PER COMMENTS	11/03/07

PROJECT NAME
SCOTT'S VALLEY MIDDLE SCHOOL
NEW CAMPUS
8 BEAN CREEK RD
SCOTT'S VALLEY, CA 95066

SHEET TITLE
PLANTING PLAN

PROJECT NO. 10204
DRAWN BY
CHECKED BY
DATE

L3.02B





200 Parr Boulevard, Richmond, CA 94801
 p (510) 234-0926 f (510) 237-2435 www.overaa.com

NOTICE OF POTENTIAL CHANGE
 3405-Scotts Valley Middle School

PCO: **88**
 Date: 01/15/2018

To: Mike Smith
 Scotts Valley Unified School District
 4444 Scotts Valley Drive Suite 5B
 Scotts Valley, CA 95066

From: TJ Gunter, Project Manager
 C. Overaa & Co.
 Phone: 669.284.9208
 Email: tjgunter@overaa.com

Phone: 831.438.1820
 Fax: 831.438.2314
 Email: msmith@scottsvalleysd.org

This memo is to serve as notice of the following change:

Description	ROM
Bulletin 35 – Flow Through Planter Revisions at E and F Planting, landscaping and civil details have been revised with the issuance of Bulletin 35.	TBD

Please be advised that this work will not proceed until the below Authorization to Proceed is signed and received, a Change Order to the contract is issued, or a contractually stipulated directive is provided.

AUTHORIZATION TO PROCEED	
Owner or Authorized Agent	Date
In order to expedite the Work and avoid or minimize delays in the Work which may affect Contract Sum or Contract Time, the Contractor is directed to proceed with the referenced Potential Change in the Work. Proceed with this work promptly. Costs for the Work (if any) involved and Change in Contract Time (if any) will be included in a subsequent Change Order. Note: ROM (Rough Order of Magnitude) is Overaa's best cost estimate on the change based on what we know at this time and is not a guaranteed quote.	

CC:



Overaa Construction
 2380 Qume Drive, Suite A
 San Jose, CA 95131
 p (510) 694-17719200
 www.overaa.com

CHANGE ORDER REQUEST
 COR No: 54.00

January 30, 2018

Scotts Valley Unified School District
 Attn: Mike Smith
 4444 Scotts Valley Drive, Suite 5B
 Scotts Valley, CA 95066

Re: 3405 – Scotts Valley Middle School Modernization
 Subject: Requested Fire Extinguisher Changes, RFI 317

Dear Mike,

At your request, all fire extinguishers in the classrooms as shown in Increments 1 and 2 are to be installed with wall mounted brackets. This change order is to provide a credit for (12) fire extinguishers and cabinets and an add for (12) fire extinguishers with brackets in Increment 1 as well as a credit for (7) fire extinguishers and cabinets and an add for (7) fire extinguishers with brackets in Increment 2. At your request, Overaa provided an alternate fire extinguisher submittal for the wall mounted extinguishers, which were approved in the response to RFI 317. The total credit for the requested scope changes is \$3,448.

• Credit for (19) Fire Extinguishers and Cabinets	\$ -4,690
• Add for (19) Fire Extinguishers with Brackets	<u>\$ 1,242</u>
TOTAL:	\$ -3,448

Please approve this change order in the amount of \$-3,448, so that we may proceed with the requested changes as described above. We appreciate your effort to timely review this request and issue the associated contract change order.

This quotation covers only the direct cost of the work described and does not include any evaluation of the impact of the subject change upon the contract time or any costs related thereto. This quotation is only for the work described herein. No other impacts are considered unless specifically noted. Unless noted otherwise, this proposal will remain valid for ten days from the date of this proposal.

Very truly yours,
Overaa Construction

Kayla Smith
 Project Engineer *T.S.*

Approved By:	<i>[Signature]</i>
Owner:	<i>[Signature]</i>
Date:	<u>2-8-18</u>

PCO: 96

APPROVED:

CAW
 ARCHITECTS

2.8.2018

I, T.J. GUNTER [name of declarant], declare the following:

Overaa Construction [Contractor company name] has contracted with Scotts Valley Unified School District for the Scotts Valley Middle School Campus Modernization Project. Overaa Construction [Contractor company name] authorized me to prepare the attached COR for money and/or time extension) for Scotts Valley Unified School District regarding this Project (dated 1/30, 2018, entitled COR 54.00 and requesting \$ 3,448 and/or 0 additional days), and I prepared the attached COR. I am the most knowledgeable person at Overaa Construction [contractor company name] regarding this COR

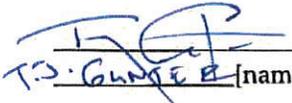
The attached COR complies with all laws applicable to submission of: COR, including, but not limited to, California Penal Code section 72, Government Code sections 12650 et seq. (False Claims Act), and Business and Professions Code sections 17200 et seq. (Unfair Business Practices Act). I am aware that submission or certification of false COR, or other COR that violate law or the Contract, may lead to fines, imprisonment, and/or other serious legal consequences for myself or Overaa Construction [contractor company name].

The attached COR does not breach the Contract between Overaa Construction [contractor company name] and Scotts Valley Unified School District for this Project, is not a false COR does not violate any applicable law, satisfies all provisions of the Contract applicable to submission of the COR only contains truthful and accurate supporting data, and only requests money and/or time extensions that accurately reflect the adjustments to money and time for which I believe that Scotts Valley Unified School District is responsible under its Contract with Overaa Construction [contractor company name].

While preparing this declaration and COR I consulted with others (including attorneys, consultants, or others who work for Overaa Construction [Contractor company name]) when necessary to ensure that the statements were true and correct.

Contractor understands and agrees that any COR submitted without this certification does not meet the terms of the Contract Documents; that Owner, or Owner's representatives, may reject the COR on that basis; and that unless Contractor properly and timely files the COR with the certification, Contractor cannot further pursue the COR in any forum and all rights to additional money or time for the issues covered by the COR are waived due to a condition precedent not having been satisfied.

I declare under the penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed 1/30, 2018, at Scotts Valley California.


T.J. Gunter [name of declarant]



936 61st St.
Oakland, CA 94608
Tel. 510.652.2060
Fax.510.655.3118
License #418396
Specialtiesdirect.com
DIR# 1000005991

Proposal

May 30, 2017

Quote: BR231RB

Overaa Construction
Job: Scotts Valley Middle School
8 Beacon Creek
Scotts Valley, CA

We Propose to Furnish:

Fire Extinguishers/Cabinets:

Increment 1

Activar brand; (22) Cosmic #5E fire extinguishers with tags, and (22) #C1017 W10 fire extinguisher cabinets with decals. **Per specs and plans.**

Furnish and install, tax included\$ 5,365.00 *243.86 each*

Increment 2

Activar brand; (15) Cosmic #5E fire extinguishers with tags, and (15) #C1017 W10 fire extinguisher cabinets with decals. **Per specs and plans.**

Furnish and install, tax included\$ 3,780.00 *252.00 each*

Reply to: brozas@specialtiesdirect.com

Per plans dated: 2/3/17
Addenda noted: 1-8

This proposal excludes fillers, caulking, backing and installation of hand dryers.
This price is good for 30 days.
Please refer all questions to **Bernardo Rosas**.
Bid is based on Global standard insurance coverage.

SUPPLY

CONSTRUCTION & INDUSTRIAL
WHITE CAP

HD Supply Construction Supply, Ltd.
501 W. Church Street, Orlando, FL 32805-2247

INVOICE

BRANCH ADDRESS
027 - SALINAS
(831) 757-0194
1276 ABBOTT ST. #C
SALINAS CA 93901
MONTEREY

INVOICE NUMBER
50007537612
INVOICE DATE
01/18/2018
CUSTOMER PO NUMBER

ENROLLMENT TOKEN: QKX DRK VSP

SOLD TO: 6245000

C OVERAA & CO
200 PARR BLVD
RICHMOND CA 94801

TERRITORY:
SHIP TO: 10001413967

PLEASE REMIT PAYMENT TO:
HD SUPPLY CONSTRUCTION AND
INDUSTRIAL - WHITE CAP
P.O. BOX 6040
CYPRESS, CA 90630-0040

JOB# 3405 SCOTTS VALLEY MIDDLE SCHOOL
8 BEAN CREEK RD.
SCOTTS VALLEY CA 95066

ORDER DATE	ORDER NO.	ORDERED BY	ACCOUNT MANAGER	TAKEN BY				
01/08/2018	27067819	CHRIS SHOEMAKER	BRIKOVICH, MIKE S	ALHINO, BRIAN A				
BRANCH	ACCT JOB NO.	TERMS	SHIP VIA / ROUTING	CUSTOMER JOB NO.				
027	10001413967	2% 10TH NET 30TH	2. OUR TRUCK	JOB# 3405 SCOTTS				
LINE	PART NUMBER	DESCRIPTION	QTY ORD	UNIT PRICE	QTY BKO	QTY SHP	EXTENDED PRICE	TAX AMT
0	HDRDESC	***** DELIVERY TAG#: 8608124 *****	1	0	0	1	0.00	
1	SP/21005779	4LB RECHARGEABLE FIRE EXTINGUISHER	12	48.10 EA	0	12	577.20	51.95
2	104486400	5LB EXTINGUISHER VEHICLE BRACKET	12	8.99 EA	0	12	107.88	9.71
3	SHIPPING	SHIPPING AND HANDLING	1	30.00 EA	0	1	30.00	2.70
<p>THESE ITEMS ARE CONTROLLED BY THE U.S. GOVERNMENT AND AUTHORIZED FOR EXPORT ONLY TO THE COUNTRY OF ULTIMATE DESTINATION FOR USE BY THE ULTIMATE CONSIGNEE OR END-USER(S) HEREIN IDENTIFIED. THEY MAY NOT BE RESOLD, TRANSFERRED OR OTHERWISE DISPOSED OF TO ANY OTHER COUNTRY OR ANY PERSON OTHER THAN THE AUTHORIZED ULTIMATE CONSIGNEE OR END-USER(S), EITHER IN THEIR ORIGINAL FORM OR AFTER BEING INCORPORATED INTO OTHER ITEMS, WITHOUT FIRST OBTAINING APPROVAL FROM THE U.S. GOVERNMENT OR AS OTHERWISE AUTHORIZED BY U.S. LAW AND REGULATIONS.</p> <p>Please take a quick 5 minute survey at http://www.WhiteCap.com/re-survey or typing in your browser. Thank you for your feedback and we look forward to hearing from you!</p>								
<p>For questions regarding this invoice please call 1-800-WHITECAP (1-800-944-8322).</p> <p>NO REFUNDS OR EXCHANGES ON NON STOCK MERCHANDISE Visit http://whitecap.com/misc/terms_and_conditions.pdf to view complete terms and conditions.</p>						TOTAL GROSS	715.08	
RECEIVED BY: MENDOZA						TOTAL TAX	64.36	
SIGNATURE COPY ON FILE						TOTAL SHIPPING AND HANDLING	0.00	
Please verify that the remit to address you are using agrees to the address shown at the top of this invoice.						TOTAL INVOICE	779.44	



CHANGE ORDER REQUEST

COR No: 55.00

Overaa Construction
2380 Qume Drive, Suite A
San Jose, CA 95131
p (510) 694-17719200
www.overaa.com

January 30, 2018

Scotts Valley Unified School District
Attn: Mike Smith
4444 Scotts Valley Drive, Suite 5B
Scotts Valley, CA 95066

Re: 3405 – Scotts Valley Middle School Modernization
Subject: Temp Power for Fire Alarm Panel and UPS in IDF/Server Room

Dear Mike,

The new PG&E power services the equipment in the IDF/Server room located at the MPR building. The PG&E power has been delayed, therefore temporary power was needed to energize the fire alarm panel and UPS located in the IDF/Server room. The total cost of the added work to provide temporary power to the fire alarm panel and UPS is \$2,621.

In order to provide the temporary power to the fire alarm panel and UPS, the electrical subcontractor installed a 30 amp receptacle which was fed from the existing panel in classroom 27 adjacent to the IDF/Server room. This work was performed on time and material, per agreement between the District and Overaa. The sum of the changes described is \$2,621.

• McGrath Electric	\$	2,447
• Markup on sub 5%	\$	122
• Bond & Insurance 2.1%	\$	<u>51</u>
TOTAL:	\$	2,621

To continue with the changes to the work as described above, please approve the cost of the change order in the amount of \$2,621.

We appreciate your effort to timely review this request and issue the associated contract change order.

This quotation covers only the direct cost of the work described and does not include any evaluation of the impact of the subject change upon the contract time or any costs related thereto. This quotation is only for the work described herein. No other impacts are considered unless specifically noted. Unless noted otherwise, this proposal will remain valid for ten days from the date of this proposal.

I, i.s. GUNTER [name of declarant], declare the following:

Overaa Construction [Contractor company name] has contracted with Scotts Valley Unified School District for the Scotts Valley Middle School Campus Modernization Project. Overaa Construction [Contractor company name] authorized me to prepare the attached COR for money and/or time extension) for Scotts Valley Unified School District regarding this Project (dated 1/30, 2018 entitled COR SS, and requesting \$ 3621 and/or SEE 34.01 additional days), and I prepared the attached COR. I am the most knowledgeable person at Overaa Construction [contractor company name] regarding this COR

The attached COR complies with all laws applicable to submission of a COR, including, but not limited to, California Penal Code section 72, Government Code sections 12650 et seq. (False Claims Act), and Business and Professions Code sections 17200 et seq. (Unfair Business Practices Act). I am aware that submission or certification of false COR, or other COR that violate law or the Contract, may lead to fines, imprisonment, and/or other serious legal consequences for myself or Overaa Construction [contractor company name].

The attached COR does not breach the Contract between Overaa Construction [contractor company name] and Scotts Valley Unified School District for this Project, is not a false COR does not violate any applicable law, satisfies all provisions of the Contract applicable to submission of the COR only contains truthful and accurate supporting data, and only requests money and/or time extensions that accurately reflect the adjustments to money and time for which I believe that Scotts Valley Unified School District is responsible under its Contract with Overaa Construction [contractor company name].

While preparing this declaration and COR I consulted with others (including attorneys, consultants, or others who work for Overaa Construction [Contractor company name]) when necessary to ensure that the statements were true and correct.

Contractor understands and agrees that any COR submitted without this certification does not meet the terms of the Contract Documents; that Owner, or Owner's representatives, may reject the COR on that basis; and that unless Contractor properly and timely files the COR with the certification, Contractor cannot further pursue the COR in any forum and all rights to additional money or time for the issues covered by the COR are waived due to a condition precedent not having been satisfied.

I declare under the penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed 1/30, 2018, at Scotts Valley, California.

i.s. GUNTER [name of declarant]

COST PROPOSAL SUMMARY

Scotts Valley Middle School Modernization

C. Overaa & Co.

Project No: 3405

PCO #

75.0

<u>SUBCONTRACTOR PERFORMED WORK</u>		<u>EXTRA</u>	<u>CREDIT</u>
(a)	McGrath Electric	\$2,447	
(b)			
(c)			
(d)			
(e)	Subtotal	\$2,447	
(f)	Overaa's markup 5% of (e)	\$122.37	
(g)			
(h)			
(i)			
(j)			
(k)	SUBCONTRACTOR PERFORMED WORK TOTAL	\$2,570	
(l)	Time - Days Added - Not included at this time (TBD)		

<u>OVERAA PERFORMED WORK</u>		<u>EXTRA</u>	<u>CREDIT</u>
(a)			
(b)			
(c)			
(d)			
(e)	Subtotal		
(f)	Overaa's markup 15% of (e)		
(g)			
(h)			
(i)			
(j)			
(k)	OVERAA PERFORMED WORK TOTAL		
(l)	Time - Days Added - Not included at this time (TBD)		

Subtotal	\$2,570
Bond and Insurance 2 1%	\$51
<u>TOTAL</u>	<u>\$2,621</u>



300 Parr Boulevard, Richmond, CA 94801
 o (510) 234-0926 f (510) 237-2435 www.overaa.com

NOTICE OF TIME AND MATERIAL

3405-Scotts Valley Middle School

PCO: **75**
 Date: 12/05/2017

To: Mike Smith
 Scotts Valley Unified School District
 4444 Scotts Valley Drive Suite 5B
 Scotts Valley, CA 95066

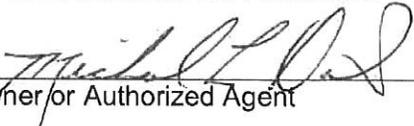
From: Kayla Smith, Project Engineer
 C. Overaa & Co.
 Phone: 669.284.9208
 Email: kaylas@overaa.com

Phone: 831.438.1820
 Fax: 831.438.2314
 Email: msmith@scottsvalleyusd.org

This memo is to serve as notice of the following change:

Description	ROM
<p>Temp Power for the Fire Alarm and UPS Systems Cost to provide a 30 amp receptacle to be fed from the panel in the room adjacent to the data room, to provide temporary power to the fire alarm system and UPS system until construction in the MPOE is complete in Increment 2.</p>	<p>TBD</p>

Per your direction, we are ready to proceed with the following work on a time and materials basis. Please be advised that this work cannot proceed until the below Authorization to Proceed is signed and returned or a contractually stipulated directive is provided.

AUTHORIZATION TO PROCEED	
 Owner/ or Authorized Agent	12/6/17 Date
<p>In order to expedite the Work and avoid or minimize delays in the Work which may affect Contract Sum or Contract Time, the Contractor is directed to proceed with the referenced Change in the Work on a time and materials basis. Proceed with this work promptly. Costs for the Work involved and Change in Contract Time will be included in a subsequent Change Order. Note: ROM = Rough Order of Magnitude and is not a guaranteed quote.</p>	

cc:

Change Order Request

COCO-80-Scotts Valley Middle School

COR Subject: T&M PCO 75 MPOE Room

To: C. Overaa & Co.
 200 Parr Blvd.
 Richmond, CA 94801

COR Number: 25
COR Date: 12/12/2017
Respond By: 12/26/2017
Work Type: Field Work
 Order/T&M

Return To: McGrath Electric, Inc.

Document Reference No:

Details

Labor	Hours	Rate	Total
Labor - Overtime	8	135.85	1,086.80
	8		1,086.80

Material	Qty	Cost	Tax	Total
Material	1	668.30	60.15	728.45
			60.15	728.45

Subcontracts	Number	RFC	Total
UPS Breaker Add RFI 155	241-GEAR	2	312.88
			312.88

Breakout

Labor 1,086.80
 Material 728.45
 Subcontracts 312.88
 Markup: 15 % 319.22

Total COR: \$2,447.35

Description

T&M Work - Please see attached pricing to run MC from MPOE to Computer room for UPS, FACP and Clock PA Panel. Also included is the UPS Breaker add from RFI 155, quote attached.

Labor:

Tag 5355 - 8 Hours

CONTRACT EXCLUSIONS APPLY TO ALL CHANGE ORDERS

WE RESERVE THE RIGHT TO CLAIM FOR TIME EXTENSION AND EXTENDED OVERHEAD AND IMPACT COSTS RESULTING FROM THIS CHANGE UNTIL SUCH TIME AS THE FULL IMPACT ON THIS PROJECT IS KNOWN.

Itemized Breakdown

System	Material(\$)
MATERIAL	668.31
Total	668.31

MATERIAL

Description	Qty	Trade Price U	Total Mat.
#10/2C CABLE MC - STL ARMOR	100	2,005.92 M	200.59
#12/4C CABLE MC - STL ARMOR	100	2,097.48 M	209.75
MC ONE HOLE STRAP	7	32.51 C	2.28
4x 2 1/8" SQ BOX COMB KO	1	1,974.64 C	19.75
#8x 3/4 WOOD SCREW	10	2.60 C	0.26
20A 1P BREAKER BOLT-ON	2	51.50 E	103.00
30A 1P BREAKER BOLT-ON	1	51.50 E	51.50
RECEPTACLE	1	42.40 E	42.40
SPEEDLOCK CONNECTOR	4	2.76 E	11.04
CABLE TIE	40	0.52 E	20.80
INDUSTRIAL RAISED COVER	1	6.94 E	6.94
Totals	267		668.30

McGrath Electric, Inc.
 1941 Walters Court Suite B
 Fairfield, CA 94533

JOB INVOICE

5355

707-422-4131 Fax-707-422-4151

TO Overaa

PHONE	DATE OF ORDER
ORDER TAKEN BY	CUSTOMER'S ORDER NUMBER
<input type="checkbox"/> DAY WORK <input type="checkbox"/> CONTRACT <input checked="" type="checkbox"/> EXTRA	
JOB NAME/NUMBER <u>SYMS COCO-80</u>	
JOB LOCATION <u>8 Bean Creek Rd</u>	
JOB PHONE	STARTING DATE <u>12/9/17</u>

TERMS:

QTY.	MATERIAL	PRICE	AMOUNT	DESCRIPTION OF WORK
> 1	30A 1 pole QO breaker			Run MC from MPOE to panel in computer room in cranny space for UPS, FACP and clock PA panel. Terminate, make up and test complete.
2	20A 1 pole QO breaker			
1	L5-30 receptacle			
1	industrial raised cover			
4	speedlock connector			
100'	10/2 MC			
100'	12/4 MC			
7	MC one hole strap			
40	tie wraps 8"			
10	3/4" #8 wood screws			
1	4" deep combo KO box			

1/1 PCO 75
 OTHER CHARGES

	LABOR	TOTAL OTHER		AMOUNT
		HRS.	RATE	
>	Steven Jelich	2		
	Arturo Garcia	3		
	Jacob Taylor	3		
	TOTAL LABOR			
	TOTAL MATERIALS			
	TOTAL OTHER			

DATE COMPLETED _____ TOTAL MATERIALS _____

Work ordered by _____
 Signature _____

Thank You

TAX	
TOTAL	



Channel Partner
Industrial Solutions

Casie Sisson
Gexpro
32940 ALVARADO NILES RD
UNION CITY, CA 94587
casandra.sisson@gexpro.com
October 27, 2017
Quote No.: ULA-00001332
Quote Name: Scotts Valley RFI 155 Breaker Add

Dear Valued Customer,

Thank you for your inquiry for **Scotts Valley RFI 155 Breaker Add**. We are pleased to respond with our proposal based on the requirements of your inquiry. Please contact us with any questions. We look forward to working with you on this opportunity.

Best Regards,

Casie Sisson
Gexpro

Notes

Project Level

PROPRIETARY AND CONFIDENTIAL INFORMATION

This document contains confidential and proprietary information. Upon receipt of this document, the receiver agrees to not to reveal its content, except to those people inside of their own organization to who concerned to do the evaluation of this proposal. No copies of this document should be made without permission. This document shall be returned upon its written request.



Channel Partner
Industrial Solutions

Summarized Bill of Material(s)

Quantity	Description	Item(s)	Mark(s)
14	Circuit Breaker	1	

Total Net Price

The total net price for the item(s) defined in this quotation is:

\$218.24 USD

Sales Tax: \$19.64
Shipping: \$75
Total: \$312.88



Channel Partner
Industrial Solutions

Bill of Material(s)

Item No.	Quantity	Description
1	14	Circuit Breaker, Molded Case, THQB1130 ASM THQB C/B S. POLE 120/240V



Overaa Construction
 2380 Qume Drive, Suite A
 San Jose, CA 95131

CHANGE ORDER REQUEST
 COR No: 60.00

February 1, 2018

Scotts Valley Unified School District
 Attn: Mike Smith
 4444 Scotts Valley Drive, Suite 5B
 Scotts Valley, CA 95066

Re: 3405 – Scotts Valley Middle School Modernization
 Subject: Fiber Cement Panel Fastening: CCD_015

Dear Mike,

Due to the location of the studs in the project frog panels, the studs spacing is not a consistent 16" on center across the length of the building. Due to the way the building was constructed, each wall panel has studs at 16" O.C., but where the panels meet, multiple 2"x4" studs are put side by side, causing the spacing to end at one panel and begin with the next. Furthermore, the architectural drawings require the panels to be cut down to 40" widths. This is not a typical size that is provided by the manufacturer, nor does it match up with a 16" O.C. stud spacing pattern. The installation manual for the panel fastening requires a 16" O.C. nailing pattern. This is how Overaa bid the project. Due to the atypical spacing of the studs, and 40" width panels, Overaa submittal RFI 323 to request direction for how to fasten the panels in an alternate method. CCD_15 was created and approved by DSA to provide a solution involving screw fasteners with smaller spacing. The cost included in this change order is for the time and material difference of installing a screw in lieu of a nail around the edges of each of the fiber-cement panels on the Project Frog Buildings.

Overaa timed the installation of a screw versus a nail, and found that each screw takes approximately 20 seconds longer to install than a nail. This is how Overaa calculated the additional time it will take to install screws in lieu of nails per the direction in CCD_15.

• Overaa self-perform	\$	3,753
• Markup on self-perform 15%	\$	563
• Bond & Insurance 2.1%	\$	56
TOTAL:	\$	4,372

Please approve this change order for the total cost of the time and materials spent for the Owner directed work in the amount of \$4,372.

This quotation is only for the work described herein. This change order does impact the project schedule. We are addressing the time impact under the cover of COR 34.1 per our discussions. No other impacts are considered unless specifically noted. Unless noted otherwise, this proposal will remain valid for ten days from the date of this proposal.

Very truly yours,
 Overaa Construction

Kayla Smith
 Project Engineer

K.S.

Approved By:	
Owner:	
Date:	2-8-18

PCO: 91.1

APPROVED

CAW
 ARCHITECTS

I, T.S. Gwartz [name of declarant], declare the following:

Overaa Construction [Contractor company name] has contracted with Scotts Valley Unified School District for the Scotts Valley Middle School Campus Modernization Project. Overaa Construction [Contractor company name] authorized me to prepare the attached COR for money and/or time extension) for Scotts Valley Unified School District regarding this Project (dated 2/1, 2018, entitled COR 60.00, and requesting \$4,372 and/or see COR 34.1 additional days), and I prepared the attached COR. I am the most knowledgeable person at Overaa Construction [contractor company name] regarding this COR

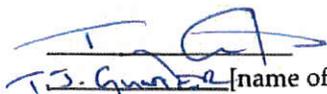
The attached COR complies with all laws applicable to submission of COR, including, but not limited to, California Penal Code section 72, Government Code sections 12650 et seq. (False Claims Act), and Business and Professions Code sections 17200 et seq. (Unfair Business Practices Act). I am aware that submission or certification of false COR, or other COR that violate law or the Contract, may lead to fines, imprisonment, and/or other serious legal consequences for myself or Overaa Construction [contractor company name].

The attached COR does not breach the Contract between Overaa Construction [contractor company name] and Scotts Valley Unified School District for this Project, is not a false COR does not violate any applicable law, satisfies all provisions of the Contract applicable to submission of the COR only contains truthful and accurate supporting data, and only requests money and/or time extensions that accurately reflect the adjustments to money and time for which I believe that Scotts Valley Unified School District is responsible under its Contract with Overaa Construction [contractor company name].

While preparing this declaration and COR I consulted with others (including attorneys, consultants, or others who work for Overaa Construction [Contractor company name]) when necessary to ensure that the statements were true and correct.

Contractor understands and agrees that any COR submitted without this certification does not meet the terms of the Contract Documents; that Owner, or Owner's representatives, may reject the COR on that basis; and that unless Contractor properly and timely files the COR with the certification, Contractor cannot further pursue the COR in any forum and all rights to additional money or time for the issues covered by the COR are waived due to a condition precedent not having been satisfied.

I declare under the penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed 2/1, 2018, at Scotts Valley, California.


T.S. Gwartz [name of declarant]

COST PROPOSAL SUMMARY

Scotts Valley Middle School Modernization

C. Overaa & Co.

Project No: 3406

PCO # 91.0

<u>SUBCONTRACTOR PERFORMED WORK</u>		<u>EXTRA</u>	<u>CREDIT</u>
(a)			
(b)			
(c)			
(d)			
(e)	Subtotal		
(f)	<u>Overaa's markup 5% of (e)</u>		
(g)			
(h)			
(i)			
(j)			
(k)	<u>SUBCONTRACTOR PERFORMED WORK TOTAL</u>		
(l)	Time - Days Added - Not included at this time (TBD)		

<u>OVERAA PERFORMED WORK</u>		<u>EXTRA</u>	<u>CREDIT</u>
(a)	<u>Add for labor and material of installing screws in lieu of nails</u>	\$3,753	
(b)			
(c)			
(d)			
(e)	Subtotal	\$3,753	
(f)	<u>Overaa's markup 15% of (e)</u>	\$563	
(g)			
(h)			
(i)			
(j)			
(k)	<u>OVERAA PERFORMED WORK TOTAL</u>	\$4,316	
(l)	Time - Days Added - Not included at this time (TBD)		

Subtotal	\$4,316
Bond and Insurance 2.1%	\$56
<u>TOTAL</u>	<u>\$4,372</u>



Invoice

562-692-5911
562-695-2323 (fax)
la.sales@mcmaster.com

Purchase Order	0131TGUNTER
Total	\$819.11
Invoice	55370646
Invoice Date	1/31/18
Payment Terms	2% 10, Net 30
Deduct \$16.11 on merchandise and tax if paid by 2/10/18.	

Billed to
C OVERAA CONSTRUCTION CO
200 PARR BLVD
RICHMOND CA 94801-1120

Shipped to
Attention: Chris Shoemaker
Overaa Construction
Overaa Trailer
8 Bean Creek Rd
Scotts Valley CA 95037

Mail Payment to McMaster-Carr
 PO Box 7690
 Chicago IL 60680-7690

Your Account 33882800

T J Gunter placed this order.

Line	Product	Ordered	Shipped	Balance	Price	Total
1	93406A201 Extra-Wide Rounded Head Screws for Sheet Metal, 18-8 Stainless Steel, Number 8 Size, 1-1/4" Long, Packs of 50	70 Packs	70	0	5.34 Per Pack	373.80
2	93406A203 Extra-Wide Rounded Head Screws for Sheet Metal, 18-8 Stainless Steel, Number 8 Size, 1-1/2" Long, Packs of 50	60 Packs	60	0	6.14 Per Pack	368.40
Merchandise						742.20
Sales Tax						63.08
Shipping						13.83
Total						\$819.11

Packing List	Shipped	Weight	Carrier	Tracking
6590744-01	1/31/18	49 lb	FedEx Priority	426419558216

Similar Options to Consider



Duo-Fast 3-1/4 in. x 0.131 Galvanized Ring Shank Plastic Coil Siding Nails (0)

\$74³⁷ /each



15°

Freeman 2-1/4 in. x 0.92 in. 15-Degree Ring Shank Plastic Coil Siding Nails (1)

\$34⁹⁹ /box



Duo-Fast 1-7/8 in. x 0.086-Gauge 0 Degree Galvanized Ring Shank Plastic Coil Siding Nails (8)

\$79⁶⁷ /each



FASCO 2.25 in. x 0.092 in. 0-Degree Ring Shank Plastic Coil Siding Nails (0)

\$70⁴⁵ /case

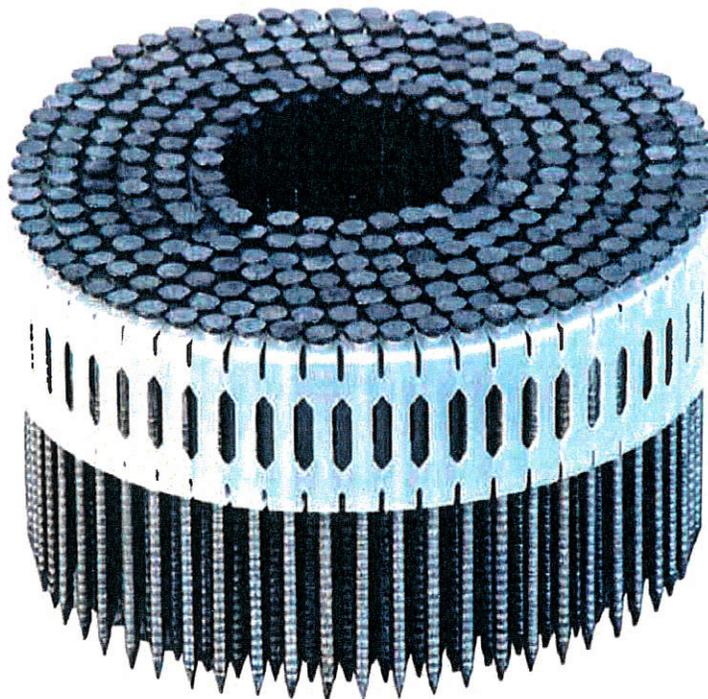


FASCO 2.25 in. x 0.092 in. 0-Degree Ring Shank Plastic Coil Siding Nails (0)

\$54⁰² /case

[Home](#) / [Hardware](#) / [Fasteners](#) / [Collated Nails, Screws & Staples](#) / [Collated Framing Nails](#)

Model # 650394 Internet #202097078 Store SKU #226342



[Share](#) [Save to List](#) [Print](#)

Duo-Fast 2-1/4 in. x 0.092-Gauge 0 Degree Galvanized Ring Shank Plastic Coil Siding Nails (3,600-Pack)

2/1/2018

Duo-Fast 2-1/4 in. x 0.092-Gauge 0 Degree Galvanized Ring Shank Plastic Coil Siding Nails (3,600-Pack)-650394 - The Home Depot

★★★★★ (4)

[Write a Review](#)

[Questions & Answers \(1\)](#)

- Consistent on center nail head causes less jamming
- Strong plastic used in collation won't allow nails to break
- Plastic is weather resistant

\$87⁹⁸ /each

Quantity - 1 +

Not in Your Store - We'll Ship It There

We'll Deliver It to You

[Add to Cart](#)

[Add to Cart](#)

We'll send it to El Cerrito for free pickup

Free Delivery

Available for pickup

Order within **2 hrs 7 mins** to get it by **February 5**

February 7 - February 12

[Delivery Options](#)

[Check Nearby Stores](#)

We're unable to ship this item to:

AK, GU, HI, PR, VI

Product Overview

- Consistent on center nail head causes less jamming
- Strong plastic used in collation won't allow nails to break
- Plastic is weather resistant

Model #: 650394

SKU #: 226342

Internet #: 202097078

Duo-Fast 2-1/4 in. Plastic 3.6M Galvanized Steel Framing Nails feature a corrosion-resistant galvanized coating. These nails are collated with strong, flexible plastic to provide durability. The nail heads are consistently on center to help reduce jamming and promote easy drivability.

- Steel construction
- Plastic collation coil is strong, flexible and weather-resistant to help prevent breakage in extreme conditions
- Hot-galvanized coating provides corrosion resistance
- Includes 3,600 nails
- On-center nail heads help reduce jamming and promote easy drivability
- 3M advanced soil protection provides durability and dirt resistance and promotes easy cleaning

Specifications

Dimensions

Assembled Depth (in.)	5.5 in
Assembled Height (in.)	10.5 in
Assembled Width (in.)	15 in
Fastener head width (in.)	.1
Fastener length (in.)	2.50
Nail Length (In.)	2 1/4

Details

ACQ Rated Fastener	Yes
Angle (Degrees)	0

APPLICATION FOR APPROVAL OF CONSTRUCTION CHANGE DOCUMENT - CCD CATEGORY A/B

This application is for construction changes, as defined in IR A-6, to approved contract documents. This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Section 4-338 (c) and in compliance with DSA IR A-6.

School District/Owner: <u>Scotts Valley Unified School District</u>	DSA File #: <u>44 - 43</u>
Project Name/School: <u>Scotts Valley Middle School Campus Modernization</u>	DSA App. #: <u>01 - 116046</u>

APPLICANT

CCD Cat. <input checked="" type="checkbox"/> A / <input type="checkbox"/> B, #: <u>15</u>	Date Submitted: <u>01/17/18</u>	Attached Pages?: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (<u>12</u> pages)
For CCD Cat. B, this is a <input type="checkbox"/> voluntary submittal, <input type="checkbox"/> DSA required submittal (attach DSA notification requiring submission).		
Firm Name: <u>CAW Architects, Inc.</u>	Contact Name: <u>Monique Wood</u>	
Email: <u>mwood@kawarchitects.com</u>	Phone Number: <u>(650) 328-1818</u>	
Address: <u>455 Lambert Avenue</u>		
City: <u>Palo Alto</u>	State: <u>CA</u>	Zip: <u>94306</u>
<input type="checkbox"/> A DSA 301-N, DSA 301-P, or 90-Day Letter has been issued for this project.		
<input checked="" type="checkbox"/> For project currently under construction.		
<input type="checkbox"/> To obtain DSA approval of existing uncertified building(s).		

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

Name of Design Professional in General Responsible Charge: <u>Brent McClure</u>	
Professional License #: <u>C-29230</u>	Discipline: <u>Architect</u>

Design Professional in General Responsible Charge Statement: The attached Construction Change Documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project.

Signature: 

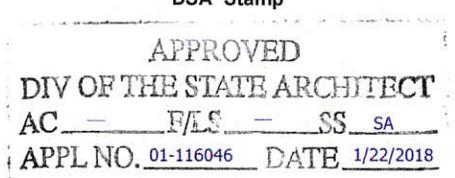
DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

CHECK THIS BOX: To confirm that all CCD drawings and, when applicable, first sheet or index of calculations and specifications have been stamped and signed by the Responsible Design Professional listed on DSA 1 for this project.

Brief description of construction change (attach additional sheets if needed):

Calculations for alternate fastening of fiber cement panels at locations where solid blocking is not available behind attachment points. Attachments include structural calculations for alternate fasteners, a cut sheet for the recommended screw and RFI response outlining the issue and recommended resolution. No sheets in the set are adjusted.

List of DSA approved drawings affected by this CCD: N/A

DSA USE ONLY		DSA Stamp
SSS _____ Date _____ Approved / Disapproved / Not Req'd	For business office use only Date Sent _____ Return By _____ Delivery Method _____	
FLS _____ Date _____ Approved / Disapproved / Not Req'd		
ACS _____ Date _____ Approved / Disapproved / Not Req'd		
Remarks _____		Approved for this particular condition only, do not reuse for other projects

Evaluation of Allura Fiber Cement Siding attachment to $\frac{5}{8}$ " OSB sheathing for Scott's Valley Middle School Buildings D, E, and F.

Per Installation Manual *Section 7. Fastening* on p.17:

- "In some instances, there may not be a stud or framing member available to fasten into ... In these areas, the fiber cement must be fastened to a structural-rated sheathing."
- Requirements for screws:
 - Non-corrosive and designed for use with fiber cement.
 - Screw head diameter ≥ 0.375 "

Check min No. 6 wood screw for shear and withdrawal for load combination $D+0.6 \cdot W$.

Demand:

Dead Load: $D = 2.3 \text{ psf}$

C&C Wind Pressure: $W = 29 \text{ psf}$ Wall End Zone w/ Effective Wind Area $< 10\text{sf}$ for $V_{ult} = 115 \text{ mph}$ Exposure B (see attached)

Fastener Tributary Area: $A_t = 1 \text{ ft}^2$ Let max screw spacing be 12" O.C. each way

$$P_D = D \cdot A_t \rightarrow 2.3 \text{ lbs}$$

$$P_W = 0.6 \cdot W \cdot A_t \rightarrow 17.4 \text{ lbs}$$

Capacity:

Screw penetration: $p = 0.625 \text{ in}$

Tabulated Allowable Withdrawal Load: $W_p = \frac{250 \text{ lb}}{5} \rightarrow 50 \text{ lb}$ per screw APA Technical Note E830E Table 3 w/ FS = 5 (attached)

Load Duration Factor: $C_D = 1.6$

Adjusted Allowable Withdrawal Load: $W'p = C_D \cdot W_p \rightarrow 80 \text{ lb}$ per screw

Conclusions:

Withdrawal Demand/Capacity Ratio: $DCR = \frac{17.4 \text{ lb}}{80 \text{ lb}} \rightarrow 0.22 < 1.0$ OK (combined shear/withdrawal OK by inspection for $P_D = 2.3 \text{ lb}$)

Continuation of load path:

- OSB fastening to stud wall already designed for winds with $V_{ULT} = 130 \text{ mph}$ Exposure C (conservative for site wind of $V_{ULT} = 115 \text{ mph}$ Exposure B).
- Stud wall gravity and lateral already designed for exterior cladding weight of 10psf from stucco (conservative for fiber cement panel weight of 2.3 psf).

Use No. 6 wood screw w/ max spacing of 12" O.C. ea. way or better.
Arch. to specify manufacturer's required head diameter and steel finish.



Wind Loads - Components and Cladding

Design Basis: ASCE 7-10 Ch.30 Part 1 (with Part 6 for roof overhangs)
Enclosed low-rise building, $h \leq 60\text{ft}$
Monoslope Roof $3^\circ < \theta < 10^\circ$

Building Information

Risk Category	III	
Eave height	$h = 16\text{ ft}$	Fig 30.4-5A Note 6h
Least horizontal dimension	$L = 72\text{ ft}$	
10% of least horizontal dimension	$.1L = 7.2\text{ ft}$	
40% of mean roof height	$.4h = 6.4\text{ ft}$	
4% of least horizontal dimension	$.04L = 2.9\text{ ft}$	
Wall end zone, roof corner zone length	$a = 6.4\text{ ft}$	Figs 30.4-1 & 30.4-5A Note 6

Site Information

Basic Wind Speed	$V_{ULT} = 115\text{ mph}$	Fig. 26.5-1B
Wind Directionality Factor	$K_d = 0.85$	T26.6-1
Exposure Category	B	§26.7.3
Topographic factor	$K_{zt} = 1.00$	Fig 26.8-1
Terrain Exposure Constant	$z_g = 1200\text{ ft}$	T26.9-1
Terrain Exposure Constant	$\alpha = 7.0$	T26.9-1
Velocity Pressure Coefficient	$K_z = 2.01 * (z/z_g)^{(2/\alpha)}$	T30.3-1 Note 1
Velocity Pressure Coefficient	$K_h = 0.70$	K_z at $z=h$, & $z_{min} = 30\text{ft}$ (Exp. B), 15ft (Exp. C,D)

Intermediate Parameters

Velocity Pressure	$q_h = 0.00256 * K_h * K_{zt} * K_d * V^2$	§30.3.2
	$q_h = 20\text{ psf}$	
Internal Pressure Coefficient	$GC_{pi} = 0.18\text{ pos or neg}$	T26.11-1

External Pressure Coefficients $GC_p =$ see table Figs 30.4-1 & 30.4-5A, U.O.N.⁷

zone	Effective Wind Area, A (sf)											
	A < 20		20 ≤ A < 50		50 ≤ A < 100		100 ≤ A < 200		200 ≤ A < 500		A > 500	
Roof Middle (1):	0.30	-1.10	0.25	-1.10	0.20	-1.10	0.20	-1.10	0.20	-1.10	0.20	-1.10
Low Edge (2):	0.30	-1.30	0.25	-1.27	0.20	-1.23	0.20	-1.20	0.20	-1.20	0.20	-1.20
High or Side Edge (2'):	0.30	-1.60	0.25	-1.57	0.20	-1.53	0.20	-1.50	0.20	-1.50	0.20	-1.50
Overhang (1 ^{OH} , 2 ^{OH}):	0.30	-1.70	0.25	-1.67	0.20	-1.63	0.20	-1.60	0.20	-1.40	0.20	-1.10
Low Corner (3):	0.30	-1.80	0.25	-1.60	0.20	-1.40	0.20	-1.20	0.20	-1.20	0.20	-1.20
Low Corner OH (3 ^{OH}):	0.30	-2.80	0.25	-2.20	0.20	-1.40	0.20	-0.80	0.20	-0.80	0.20	-0.80
High Corner (3'):	0.30	-2.60	0.25	-2.30	0.20	-1.90	0.20	-1.60	0.20	-1.60	0.20	-1.60
Wall Middle ^B (4):	0.90	-0.99	0.86	-0.95	0.78	-0.90	0.75	-0.86	0.69	-0.77	0.63	-0.72
End ^B (5):	0.90	-1.26	0.86	-1.17	0.78	-1.04	0.75	-0.95	0.69	-0.86	0.63	-0.72

(for output see next page)

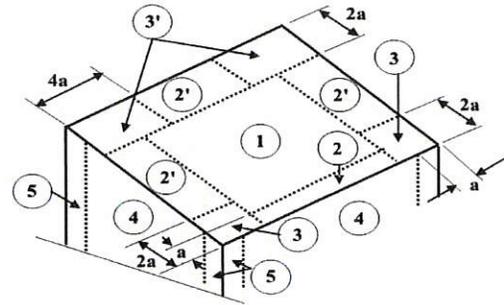
Wind Loads - Components and Cladding cont.

Output (for input see previous page)

C&C Design Wind Pressures (psf)		$p = q_h(GC_p - GC_{pi}) > 16$ psf										§30.4.2	
zone		Effective Wind Area, A (sf)											
		A < 20		20 ≤ A < 50		50 ≤ A < 100		100 ≤ A < 200		200 ≤ A < 500		A > 500	
Roof	Middle (1):	16	-26	16	-26	16	-26	16	-26	16	-26	16	-26
	Low Edge ¹ (2):	16	-30	16	-29	16	-28	16	-28	16	-28	16	-28
	High or Side Edge ² (2')	16	-36	16	-35	16	-34	16	-34	16	-34	16	-34
	Overhang (1 ^{OH} , 2 ^{OH}):	16	-38	16	-37	16	-36	16	-36	16	-32	16	-26
	Low Corner ³ (3):	16	-40	16	-36	16	-32	16	-28	16	-28	16	-28
	Low Corner OH ⁶ (3 ^{OH}):	16	-60	16	-48	16	-32	16	-20	16	-20	16	-20
Wall	High Corner ⁴ (3')	16	-56	16	-50	16	-42	16	-36	16	-36	16	-36
	Middle (4):	22	-24	21	-23	19	-22	19	-21	18	-19	16	-18
	End ⁵ (5):	22	-29	21	-27	19	-24	19	-23	18	-21	16	-18

Wall end zone, roof corner zone length $a = 6.4$ ft

- ¹ Within "a" from low edge between low corner zones
- ² Within "2a" from high edge between high corner zones
- ³ Within "2a" from low edge and "2a" from side edge
- ⁴ Within "2a" from high edge and "4a" from side edge
- ⁵ Within "a" from wall end
- ⁶ Within "a" from low edge and "a" from side edge
- ⁷ Overhang GC_p is from Fig 30.4-2A and includes contributions from both upper and lower surfaces
- ⁸ Tabulated wall GC_p reduced by 10% per Fig 30.4-1 Note 5.



Withdrawal:

Tables 3 and 4 present average ultimate withdrawal loads for wood and sheet metal screws in plywood-and-metal joints, based on analysis of test results. Wood screws are threaded for only 2/3 of their length. Sheet metal screws typically have higher ultimate load than wood screws in the smaller gages because of their full-length thread.

Values shown in Table 3 for wood screws are based on 1/4-inch protrusion of the wood screw from the back of the panel. This was to assure measurable length of thread embedment in the wood, since the tip of the tapered wood screw may be smaller than the pilot hole. This was not a factor for sheet metal screws due to their uniform shank diameters.

TABLE 3

WOOD AND SHEET METAL SCREWS: METAL-TO-PLYWOOD CONNECTIONS^(a,b)

Depth of Threaded Penetration (inch)	Average Ultimate Withdrawal Load (lbf)					
	Screw Size					
	#6	#8	#10	#12	#14	#16
3/8	150	180	205	–	–	–
1/2	200	240	275	315	350	–
5/8	250	295	345	390	440	–
3/4	300	355	415	470	525	–
1	–	–	–	625	700	775
1-1/8	–	–	–	705	790	875
2-1/4	–	–	–	–	1580	–

(a) Plywood was C-D grade with exterior glue (all plies Group 1).

(b) Values are **not** design values.

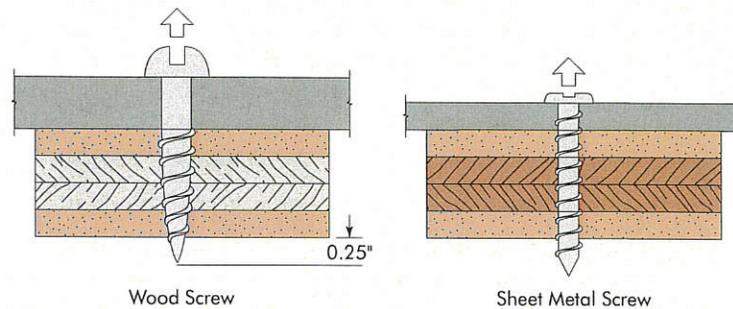


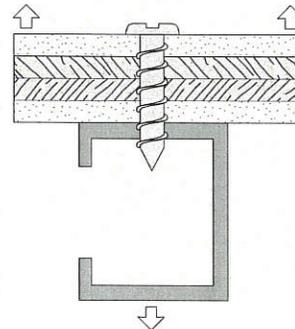
TABLE 4

SHEET METAL SCREWS: PLYWOOD-TO-METAL CONNECTIONS^(a)

Framing	Plywood Performance Category	Average Ultimate Withdrawal Load (lbf) ^(b)				
		Screw Size				1/4"-20 Self Tapping Screw
		#8	#10	#12	#14	
0.080-inch Aluminum	1/4	130	150	170	180	220
	1/2	350	470	500	520	500
	3/4	660	680	790	850*	790*
0.078-inch Galvanized Steel (14 gage)	1/4	130	150	170	180	220
	1/2	350	470	500	520	500
	3/4	660	680	800	900	850

(a) Plywood was A-C EXT (all plies Group 1).

(b) Values are **not** design values. Loads denoted by an asterisk(*) were limited by screw-to-metal-framing strength; others were limited by plywood strength.





Hex Head Driller



HEAVY GAUGE METAL General

Attaches fixtures, backup plates, door frames and lathers channel to structural studs in 20-14 ga.

- Hex head
- Drill point
- Clear zinc

PART NO.	SIZE	WEIGHT	QTY	DESCRIPTION
08050H3	8 x 1/2-in	37-lb	10M	8 GAUGE HEX HEAD DRILLER, CLEAR ZINC
08058H3	8 x 5/8-in	37-lb	10M	8 GAUGE HEX HEAD DRILLER, CLEAR ZINC
08075H3	8 x 3/4-in	42-lb	10M	8 GAUGE HEX HEAD DRILLER, CLEAR ZINC
08100H3	8 x 1-in	38-lb	7.5M	8 GAUGE HEX HEAD DRILLER, CLEAR ZINC
08125H3	8 x 1-1/4-in	35-lb	5M	8 GAUGE HEX HEAD DRILLER, CLEAR ZINC
08200H3	8 x 2-in	33-lb	3M	8 GAUGE HEX HEAD DRILLER, CLEAR ZINC
10050H3	10 x 1/2-in	34-lb	5M	10 GAUGE HEX HEAD DRILLER, CLEAR ZINC
10058H3	10 x 5/8-in	41-lb	7.5M	10 GAUGE HEX HEAD DRILLER, CLEAR ZINC
10075H3	10 x 3/4-in	30-lb	5M	10 GAUGE HEX HEAD DRILLER, CLEAR ZINC
10100H3	10 x 1-in	37-lb	5M	10 GAUGE HEX HEAD DRILLER, CLEAR ZINC
10125H3	10 x 1-1/4-in	33-lb	5M	10 GAUGE HEX HEAD DRILLER, CLEAR ZINC
10150H3	10 x 1-1/2-in	35-lb	3.5M	10 GAUGE HEX HEAD DRILLER, CLEAR ZINC
10200H3	10 x 2-in	31-lb	3M	10 GAUGE HEX HEAD DRILLER, CLEAR ZINC
12075H3	12 x 3/4-in	40-lb	5M	12 GAUGE HEX HEAD DRILLER, CLEAR ZINC
12100H3	12 x 1-in	40-lb	3.5M	12 GAUGE HEX HEAD DRILLER, CLEAR ZINC
12125H3	12 x 1-1/4-in	34-lb	3.5M	12 GAUGE HEX HEAD DRILLER, CLEAR ZINC
12150H3	12 x 1-1/2-in	35-lb	3.5M	12 GAUGE HEX HEAD DRILLER, CLEAR ZINC
12200H3	12 x 2-in	32-lb	3.5M	12 GAUGE HEX HEAD DRILLER, CLEAR ZINC
12250H3	12 x 2-1/2-in	30-lb	1.5M	12 GAUGE HEX HEAD DRILLER, CLEAR ZINC
12300H3	12 x 3-in	22-lb	1M	12 GAUGE HEX HEAD DRILLER, CLEAR ZINC
12350H3	12 x 3-1/2-in	21-lb	1M	12 GAUGE HEX HEAD DRILLER, CLEAR ZINC
14075H3	14 x 3/4-in	61-lb	5M	14 GAUGE HEX HEAD DRILLER, CLEAR ZINC
14100H3	14 x 1-in	52-lb	3.5M	14 GAUGE HEX HEAD DRILLER, CLEAR ZINC
14125H3	14 x 1-1/4-in	35-lb	2M	14 GAUGE HEX HEAD DRILLER, CLEAR ZINC
14150H3	14 x 1-1/2-in	33-lb	2M	14 GAUGE HEX HEAD DRILLER, CLEAR ZINC
14200H3	14 x 2-in	34-lb	1.5M	14 GAUGE HEX HEAD DRILLER, CLEAR ZINC
14250H3	14 x 2-1/2-in	33-lb	2M	14 GAUGE HEX HEAD DRILLER, CLEAR ZINC
14300H3	14 x 3-in	22-lb	2M	14 GAUGE HEX HEAD DRILLER, CLEAR ZINC
14400H4	14 x 4-in	21-lb	.5M	14 GAUGE HEX HEAD DRILLER, CLEAR ZINC
122478H4	12-24 x 7/8-in	50-lb	3.5M	12-24 GAUGE HEX HEAD DRILLER, CLEAR ZINC
1224125H4	12-24 x 1-1/4-in	50-lb	3.5M	12-24 GAUGE HEX HEAD DRILLER, CLEAR ZINC

HYDROGEN EMBRITTELEMENT



Grabber's 10, 12 & 14 gauge zinc-plated drill point fasteners are manufactured in ISO 9002 factories, plated as prescribed in the ASTM F1941-10 Standard Specification for Electrodeposited Coatings on threaded fasteners, and post-plating baked according to the process articulated in SAE AMS 2759/9, Hydrogen Embrittlement Relief (Baking) of Steel Parts, Section 3.3.3.1, and SAE J78, which calls for a four-hour minimum time (the duration between the end of acid exposure and the beginning of the heating cycle in the baking furnace) for baking out entrapped hydrogen after acid treating the parts. The baking process may take from 3 to 23 hours at 375° to 425°, depending on the materials used and the plating's or finishes applied.

Grabber's 10, 12 & 14 gauge drill point fasteners are also tested for hydrogen embrittlement by benchmarks outlined in ASME B18.6.4, section 2.9.1.4, Hydrogen Embrittlement Test, and the SAE J78 4.4.1 Hydrogen Embrittlement Test Criteria, under protocols articulated in ASME B18.18.2 Inspection and Quality Assurance for High-Volume Machine Assembly Fasteners

Sheathing to Wood, Light or Heavy Gauge Metal

Flat Wafer Head



CEMENT BOARD Sheathing

Attaches cement board to light gauge metal (25-20 ga.) or wood. Features a .40 diameter head and GrabberGard® exterior coating.



- Flat wafer head
- ASTM B117 1500 hours
- Alternating thread
- No. 2 Phillips
- GrabberGard®

PART NO.	SIZE	WEIGHT	QTY	DESCRIPTION
GCB8125HL	8 x 1-1/4-in	37-lb	5M	FLAT WAFER HEAD, #2PHIL, ALT THREAD, GRABBERGARD
GCB8158HL	8 x 1-5/8-in	31-lb	4M	FLAT WAFER HEAD, #2PHIL, ALT THREAD, GRABBERGARD
GCB8238HL	8 x 2-3/8-in	31-lb	2M	FLAT WAFER HEAD, #2PHIL, ALT THREAD, GRABBERGARD

Flat Wafer Head



CEMENT BOARD Sheathing

Attaches cement board to steel. Features a .40 diameter head and GrabberGard® exterior coating.



- Flat wafer head
- ASTM B117 1500 hours
- Drill point
- No. 2 Phillips
- GrabberGard®

PART NO.	SIZE	WEIGHT	QTY	DESCRIPTION
GCB8125SD	8 x 1-1/4-in	5M	29-lb	FLAT WAFER HEAD, #2PHIL, SELF DRILL, GRABBERGARD
GCB8158SD	8 x 1-5/8-in	4M	29-lb	FLAT WAFER HEAD, #2PHIL, SELF DRILL, GRABBERGARD
GCB8238SD	8 x 2-3/8-in	3M	29-lb	FLAT WAFER HEAD, #2PHIL, SELF DRILL, GRABBERGARD

Flat Wafer Head



HIGH DENSITY Sheathing

Attaches high density sheathing to light gauge metal (25-20 ga.) or wood. Features .375 diameter head and GrabberGard® exterior coating.



- Flat wafer head
- Fine thread
- No. 2 LOX®
- GrabberGard®

PART NO.	SIZE	WEIGHT	QTY	DESCRIPTION
GHS8114LG	8 x 1-1/4-in	5M	26-lb	FLAT WAFER HEAD, #2LOX, FINE THREAD, GRABBERGARD
GHS8158LG	8 x 1-5/8-in	4M	29-lb	FLAT WAFER HEAD, #2LOX, FINE THREAD, GRABBERGARD
GHS8238LG	8 x 2-3/8-in	3M	27-lb	FLAT WAFER HEAD, #2LOX, FINE THREAD, GRABBERGARD

Flat Wafer Head



HIGH DENSITY Sheathing

Attaches high density sheathing and fiber cement vertical siding to heavy gauge metal. Features a .375 diameter head and GrabberGard® exterior coating.



- Flat wafer head
- Winged drill point
- No. 2 LOX®
- GrabberGard®

PART NO.	SIZE	WEIGHT	QTY	DESCRIPTION
GH8114LG	8 x 1-1/4-in	5M	26-lb	FLAT WAFER HEAD, #2LOX, WINGED DRILLER, GRABBERGARD
GH8158LG	8 x 1-5/8-in	4M	25-lb	FLAT WAFER HEAD, #2LOX, WINGED DRILLER, GRABBERGARD
GH8238LG	8 x 2-3/8-in	3M	31-lb	FLAT WAFER HEAD, #2LOX, WINGED DRILLER, GRABBERGARD



200 Parr Boulevard, Richmond, CA 94801
p (510) 234-0926 f (510) 237-2435 www.overaa.com

Job No 3405- : Scotts Valley Middle School

Requesting Firm: C. Overaa Co.

Date: 01/08/2018

To: Monique Wood CAW Architects 455 Lambert Avenue Palo Alto, CA 94306 Phone: 650.328.1818 Fax: 650.328.1888 Email: mwood@cawarchitects.com	From: Kayla Smith C. Overaa Co. 2380 Qume Drive, Suite A San Jose, CA 95131 Phone: 669.284.9200 Fax: 669.284.9201 Email: kaylas@overaa.com
--	---

Subject: Fiber Cement Panel Edge Fastening Locations
Date Due: 01/09/2018

Information Requested
The Project Frog Panel Studs are not perfectly 16" O.C. across the entire length of the exterior walls. Allura's installation manual requires fasteners on the panels to be located at intermediate framing members. After making some field measurements, it has been determined that each panel will be able to hit 3 of the 4 studs behind the panel. Please confirm it is acceptable for the H-Mold and the edge of the panels to be fastened to sheer wall.

Suggestion

Any potential schedule, cost, and drawing impacts to be determined.

Cc:

It is structurally acceptable to fasten Allura Fiber Cement Siding to 5/8" OSB wall sheathing using screws with the following minimum requirements:

- * Shank diameter: No. 6 or larger
- * Screw Penetration: Min 1/4" beyond inside face of OSB
- * Screw Spacing: 12" O.C. each way or tighter
- * Screw head diameter: 0.375" or larger

Follow manufacturer's requirements for screw installation and non-corrosive material finish.

See attached structural calculation for screw resistance to gravity and wind load.

Alternate fastener will require DSA approval.

Ryan Pintar, Tipping Structural Engineers &
Ryan Marlin, CAW Architects
1/18,2018

RFI 323
Response for
Reference

Vertical Siding H-Mold

DESIGN FEATURES

Designed to cover vertical joints in siding. Longer lasting and more effective than contractor grade caulk. Provides a smooth seam at joints.

MATERIAL

6063-T5 .050" ± .005 extruded aluminum alloy with proprietary coating that protects against harsh weather conditions and allows for paint adhesion.

FINISH

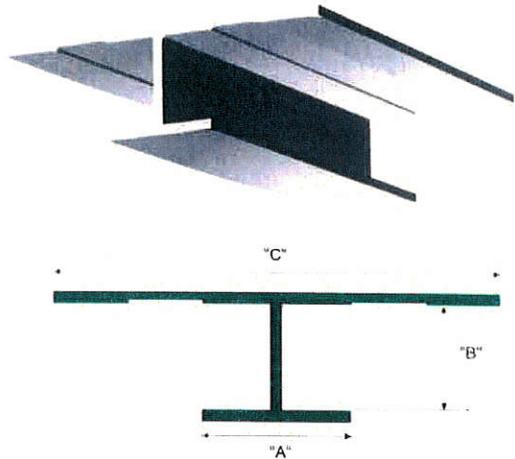
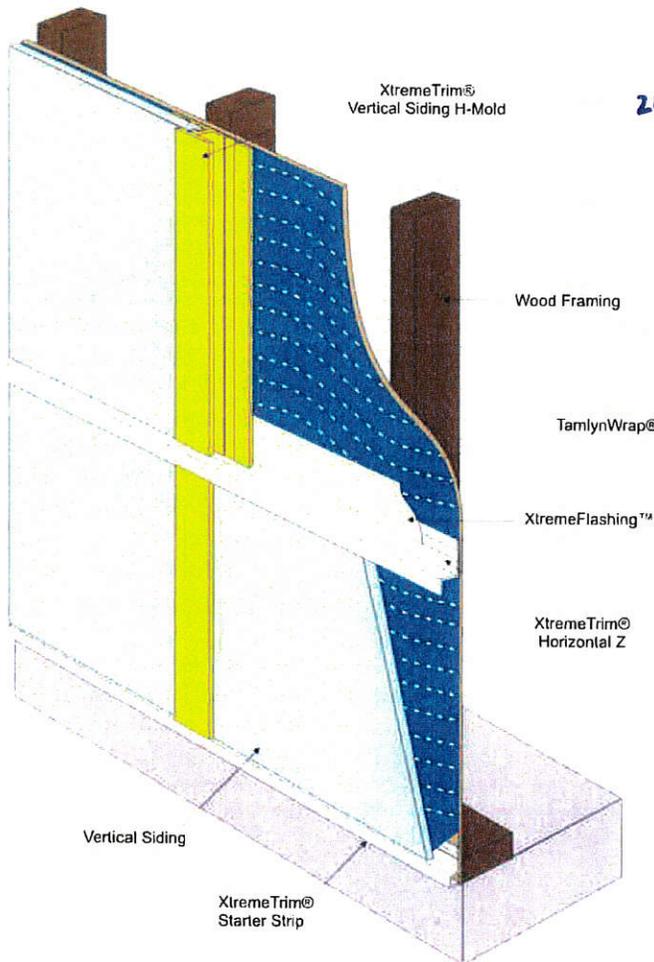
Unless specified all XtremeTrim® items are provided in primed finish. Also available in popular siding/soffit colors in standard face only color match or full coverage CoastalColorCoating™. Clear Anodized is stocked and custom anodized is available (minimums apply).

NOTE

Use of the XtremeTrim® Vertical Siding H-Mold at horizontal joints is not recommended.

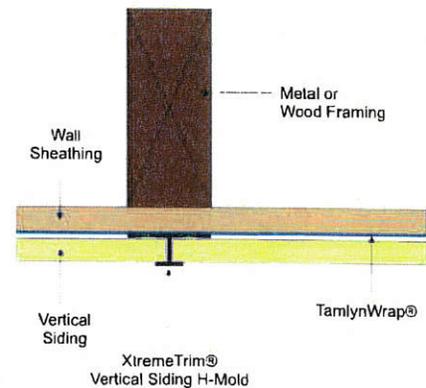


Illustration not to scale

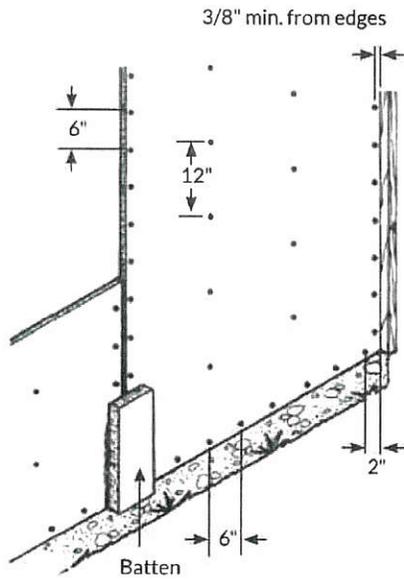


ITEM ID	"A"	"B"	"C"	SIDING SIZE
SHM5168	1/2"	3/8"	1-1/2"	5/16"
SHM51610	1/2"	3/8"	1-1/2"	5/16"
SHM71610	3/4"	15/32"	2"	7/16"
SHM588	3/4"	5/8"	2-1/4"	5/8"
SHM5810	3/4"	5/8"	2-1/4"	5/8"
24 SHM3410	3/4"	3/4"	1-3/4"	3/4", 5/16" Lap
SHM110	1"	1"	2-1/2"	1"

All parts are 10' Length unless otherwise indicated - 8' Length

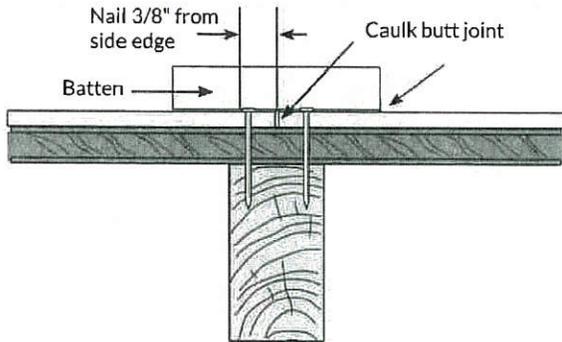


**RFI 323 Response
for Reference**



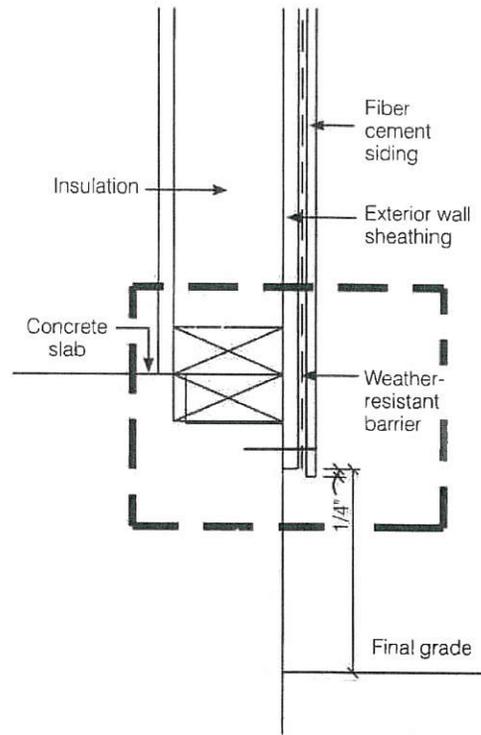
Fastening Vertical Siding

6. Space fasteners a maximum of 6" o.c. on all edges and 12" o.c. at intermediate framing members. Refer to ICC-ES ESR-1668 for specific fastening requirements.
7. Paint all field-cut edges.
8. Butt all vertical panel joints together. Do not caulk vertical joints unless covering vertical joint with trim batten.

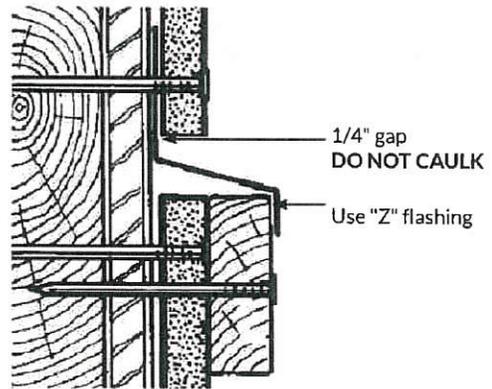


Vertical Butted Panel Joint

9. Install "Z" flashing and leave a 1/4" gap between horizontal panels. Do not caulk horizontal joints.



Attaching Vertical Siding to Wood



Panel Stacking Detail

Evaluation of Allura Fiber Cement Siding attachment to $\frac{5}{8}$ " OSB sheathing for Scott's Valley Middle School Buildings D, E, and F.

Per Installation Manual *Section 7. Fastening* on p.17:

- "In some instances, there may not be a stud or framing member available to fasten into ... In these areas, the fiber cement must be fastened to a structural-rated sheathing."
- Requirements for screws:
 - Non-corrosive and designed for use with fiber cement.
 - Screw head diameter ≥ 0.375 "

Check min No. 6 wood screw for shear and withdrawal for load combination $D+0.6 \cdot W$.

Demand:

Dead Load: $D = 2.3 \text{ psf}$

C&C Wind Pressure: $W = 29 \text{ psf}$ Wall End Zone w/ Effective Wind Area $< 10 \text{ sf}$ for $V_{ult} = 115 \text{ mph}$ Exposure B (see attached)

Fastener Tributary Area: $A_t = 1 \text{ ft}^2$ Let max screw spacing be 12" O.C. each way

$$P_D = D \cdot A_t \rightarrow 2.3 \text{ lbs}$$

$$P_W = 0.6 \cdot W \cdot A_t \rightarrow 17.4 \text{ lbs}$$

Capacity:

Screw penetration: $p = 0.625 \text{ in}$

Tabulated Allowable Withdrawal Load: $W_p = \frac{250 \text{ lb}}{5} \rightarrow 50 \text{ lb}$ per screw APA Technical Note E830E Table 3 w/ FS = 5 (attached)

Load Duration Factor: $C_D = 1.6$

Adjusted Allowable Withdrawal Load: $W'_p = C_D \cdot W_p \rightarrow 80 \text{ lb}$ per screw

Conclusions:

Withdrawal Demand/Capacity Ratio: $DCR = \frac{17.4 \text{ lb}}{80 \text{ lb}} \rightarrow 0.22 < 1.0$ OK (combined shear/withdrawal OK by inspection for $P_D = 2.3 \text{ lb}$)

Continuation of load path:

- OSB fastening to stud wall already designed for winds with $V_{ULT} = 130 \text{ mph}$ Exposure C (conservative for site wind of $V_{ULT} = 115 \text{ mph}$ Exposure B).
- Stud wall gravity and lateral already designed for exterior cladding weight of 10psf from stucco (conservative for fiber cement panel weight of 2.3 psf).

Use No. 6 wood screw w/ max spacing of 12" O.C. ea. way or better.
Arch. to specify manufacturer's required head diameter and steel finish.



Wind Loads - Components and Cladding

Design Basis: ASCE 7-10 Ch.30 Part 1 (with Part 6 for roof overhangs)
Enclosed low-rise building, $h \leq 60\text{ft}$
Monoslope Roof $3^\circ < \theta < 10^\circ$

Building Information

Risk Category	III	
Eave height	$h = 16\text{ ft}$	Fig 30.4-5A Note 6h
Least horizontal dimension	$L = 72\text{ ft}$	
10% of least horizontal dimension	$.1L = 7.2\text{ ft}$	
40% of mean roof height	$.4h = 6.4\text{ ft}$	
4% of least horizontal dimension	$.04L = 2.9\text{ ft}$	
Wall end zone, roof corner zone length	$a = 6.4\text{ ft}$	Figs 30.4-1 & 30.4-5A Note 6

Site Information

Basic Wind Speed	$V_{ULT} = 115\text{ mph}$	Fig. 26.5-1B
Wind Directionality Factor	$K_d = 0.85$	T26.6-1
Exposure Category	B	§26.7.3
Topographic factor	$K_{zt} = 1.00$	Fig 26.8-1
Terrain Exposure Constant	$z_g = 1200\text{ ft}$	T26.9-1
Terrain Exposure Constant	$\alpha = 7.0$	T26.9-1
Velocity Pressure Coefficient	$K_z = 2.01 * (z/z_g)^{(2/\alpha)}$	T30.3-1 Note 1
Velocity Pressure Coefficient	$K_h = 0.70$	K_z at $z=h$, & $z_{min} = 30\text{ft}$ (Exp. B), 15ft (Exp. C,D)

Intermediate Parameters

Velocity Pressure	$q_h = 0.00256 * K_h * K_{zt} * K_d * V^2$	§30.3.2
	$q_h = 20\text{ psf}$	
Internal Pressure Coefficient	$GC_{pi} = 0.18\text{ pos or neg}$	T26.11-1

External Pressure Coefficients $GC_p = \text{see table}$ Figs 30.4-1 & 30.4-5A, U.O.N.⁷

zone	Effective Wind Area, A (sf)											
	A < 20		20 ≤ A < 50		50 ≤ A < 100		100 ≤ A < 200		200 ≤ A < 500		A > 500	
Roof Middle (1):	0.30	-1.10	0.25	-1.10	0.20	-1.10	0.20	-1.10	0.20	-1.10	0.20	-1.10
Low Edge (2):	0.30	-1.30	0.25	-1.27	0.20	-1.23	0.20	-1.20	0.20	-1.20	0.20	-1.20
High or Side Edge (2'):	0.30	-1.60	0.25	-1.57	0.20	-1.53	0.20	-1.50	0.20	-1.50	0.20	-1.50
Overhang (1 ^{OH} , 2 ^{OH}):	0.30	-1.70	0.25	-1.67	0.20	-1.63	0.20	-1.60	0.20	-1.40	0.20	-1.10
Low Corner (3):	0.30	-1.80	0.25	-1.60	0.20	-1.40	0.20	-1.20	0.20	-1.20	0.20	-1.20
Low Corner OH (3 ^{OH}):	0.30	-2.80	0.25	-2.20	0.20	-1.40	0.20	-0.80	0.20	-0.80	0.20	-0.80
High Corner (3'):	0.30	-2.60	0.25	-2.30	0.20	-1.90	0.20	-1.60	0.20	-1.60	0.20	-1.60
Wall Middle ⁸ (4):	0.90	-0.99	0.86	-0.95	0.78	-0.90	0.75	-0.86	0.69	-0.77	0.63	-0.72
End ⁸ (5):	0.90	-1.26	0.86	-1.17	0.78	-1.04	0.75	-0.95	0.69	-0.86	0.63	-0.72

(for output see next page)

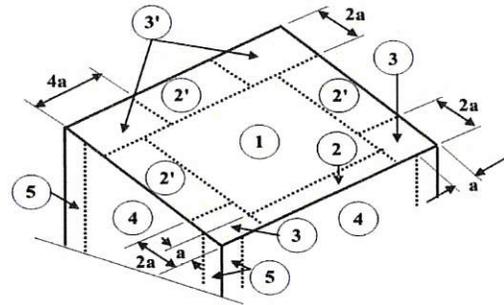
Wind Loads - Components and Cladding cont.

Output (for input see previous page)

C&C Design Wind Pressures (psf)		$p = q_h(GC_p - GC_{pi}) > 16$ psf										§30.4.2	
zone		Effective Wind Area, A (sf)											
		A < 20		20 ≤ A < 50		50 ≤ A < 100		100 ≤ A < 200		200 ≤ A < 500		A > 500	
Roof	Middle (1):	16	-26	16	-26	16	-26	16	-26	16	-26	16	-26
	Low Edge ¹ (2):	16	-30	16	-29	16	-28	16	-28	16	-28	16	-28
	High or Side Edge ² (2')	16	-36	16	-35	16	-34	16	-34	16	-34	16	-34
	Overhang (1 ^{OH} , 2 ^{OH}):	16	-38	16	-37	16	-36	16	-36	16	-32	16	-26
	Low Corner ³ (3):	16	-40	16	-36	16	-32	16	-28	16	-28	16	-28
	Low Corner OH ⁶ (3 ^{OH}):	16	-60	16	-48	16	-32	16	-20	16	-20	16	-20
Wall	High Corner ⁴ (3')	16	-56	16	-50	16	-42	16	-36	16	-36	16	-36
	Middle (4):	22	-24	21	-23	19	-22	19	-21	18	-19	16	-18
	End ⁵ (5):	22	-29	21	-27	19	-24	19	-23	18	-21	16	-18

Wall end zone, roof corner zone length $a = 6.4$ ft

- ¹ Within "a" from low edge between low corner zones
- ² Within "2a" from high edge between high corner zones
- ³ Within "2a" from low edge and "2a" from side edge
- ⁴ Within "2a" from high edge and "4a" from side edge
- ⁵ Within "a" from wall end
- ⁶ Within "a" from low edge and "a" from side edge
- ⁷ Overhang GC_p is from Fig 30.4-2A and includes contributions from both upper and lower surfaces
- ⁸ Tabulated wall GC_p reduced by 10% per Fig 30.4-1 Note 5.



Withdrawal:

Tables 3 and 4 present average ultimate withdrawal loads for wood and sheet metal screws in plywood-and-metal joints, based on analysis of test results. Wood screws are threaded for only 2/3 of their length. Sheet metal screws typically have higher ultimate load than wood screws in the smaller gages because of their full-length thread.

Values shown in Table 3 for wood screws are based on 1/4-inch protrusion of the wood screw from the back of the panel. This was to assure measurable length of thread embedment in the wood, since the tip of the tapered wood screw may be smaller than the pilot hole. This was not a factor for sheet metal screws due to their uniform shank diameters.

TABLE 3

WOOD AND SHEET METAL SCREWS: METAL-TO-PLYWOOD CONNECTIONS^(a,b)

Depth of Threaded Penetration (inch)	Average Ultimate Withdrawal Load (lbf)					
	Screw Size					
	#6	#8	#10	#12	#14	#16
3/8	150	180	205	–	–	–
1/2	200	240	275	315	350	–
5/8	250	295	345	390	440	–
3/4	300	355	415	470	525	–
1	–	–	–	625	700	775
1-1/8	–	–	–	705	790	875
2-1/4	–	–	–	–	1580	–

(a) Plywood was C-D grade with exterior glue (all plies Group 1).

(b) Values are **not** design values.

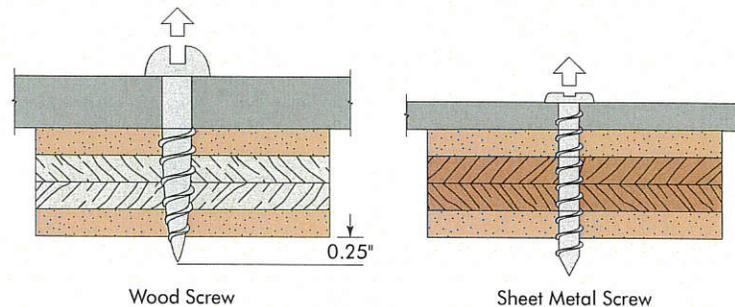


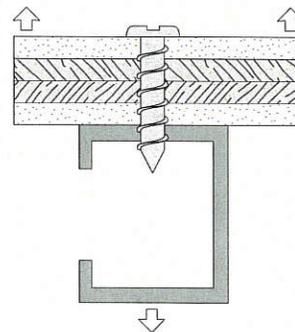
TABLE 4

SHEET METAL SCREWS: PLYWOOD-TO-METAL CONNECTIONS^(a)

Framing	Plywood Performance Category	Average Ultimate Withdrawal Load (lbf) ^(b)				
		Screw Size				1/4"-20 Self Tapping Screw
		#8	#10	#12	#14	
0.080-inch Aluminum	1/4	130	150	170	180	220
	1/2	350	470	500	520	500
	3/4	660	680	790	850*	790*
0.078-inch Galvanized Steel (14 gage)	1/4	130	150	170	180	220
	1/2	350	470	500	520	500
	3/4	660	680	800	900	850

(a) Plywood was A-C EXT (all plies Group 1).

(b) Values are **not** design values. Loads denoted by an asterisk(*) were limited by screw-to-metal-framing strength; others were limited by plywood strength.





Overaa Construction
 2380 Qume Drive, Suite A
 San Jose, CA 95131
 p (510) 694-1771/9200
 www.overaa.com

CHANGE ORDER REQUEST

COR No: 64.00

February 6, 2018

Scotts Valley Unified School District
 Attn: Mike Smith
 4444 Scotts Valley Drive, Suite 5B
 Scotts Valley, CA 95066

Re: 3405 – Scotts Valley Middle School Modernization
 Subject: RFI 205.1 – Gym Mechanical Well Light Credit

Dear Mike,

During a review of the documents, it was discovered that there was no electrical infrastructure to get electricity to the mechanical well lights on the gym roof. Rather than provide infrastructure to the lights, the District requested a credit for the purchase and installation of the lights, creating a cost savings rather than a cost impact to the job. RFI 205.1 response reduced Overaa's scope of work, eliminating the mechanical well lights from the gym. The total cost savings for the mechanical well lights is (\$1,656).

• McGrath Electric quote dated 2/6/18	\$ (1,656)
TOTAL:	\$ (1,656)

We appreciate your effort to timely review this request and issue the associated contract change order.

This quotation covers only the direct cost of the work described and does not include any evaluation of the impact of the subject change upon the contract time or any costs related thereto. This quotation is only for the work described herein. No other impacts are considered unless specifically noted. Unless noted otherwise, this proposal will remain valid for ten days from the date of this proposal.

Very truly yours,
Overaa Construction

Kayla Smith
 Project Engineer

T.J.

Approved By:	
Owner:	
Date:	2-8-18

PCO: 70

APPROVED 2-8-2018



I, T.J. GUNTER [name of declarant], declare the following:

Overaa Construction [Contractor company name] has contracted with Scotts Valley Unified School District for the Scotts Valley Middle School Campus Modernization Project. Overaa Construction [Contractor company name] authorized me to prepare the attached COR for money and/or time extension) for Scotts Valley Unified School District regarding this Project (dated 2/6, 2018, entitled COR 64, and requesting \$(1,656) and/or 0 additional days), and I prepared the attached COR. I am the most knowledgeable person at Overaa Construction [contractor company name] regarding this COR

The attached COR complies with all laws applicable to submission of a COR, including, but not limited to, California Penal Code section 72, Government Code sections 12650 et seq. (False Claims Act), and Business and Professions Code sections 17200 et seq. (Unfair Business Practices Act). I am aware that submission or certification of false COR, or other COR that violate law or the Contract, may lead to fines, imprisonment, and/or other serious legal consequences for myself or Overaa Construction [contractor company name].

The attached COR does not breach the Contract between Overaa Construction [contractor company name] and Scotts Valley Unified School District for this Project, is not a false COR does not violate any applicable law, satisfies all provisions of the Contract applicable to submission of the COR only contains truthful and accurate supporting data, and only requests money and/or time extensions that accurately reflect the adjustments to money and time for which I believe that Scotts Valley Unified School District is responsible under its Contract with Overaa Construction [contractor company name].

While preparing this declaration and COR I consulted with others (including attorneys, consultants, or others who work for Overaa Construction [Contractor company name]) when necessary to ensure that the statements were true and correct.

Contractor understands and agrees that any COR submitted without this certification does not meet the terms of the Contract Documents; that Owner, or Owner's representatives, may reject the COR on that basis; and that unless Contractor properly and timely files the COR with the certification, Contractor cannot further pursue the COR in any forum and all rights to additional money or time for the issues covered by the COR are waived due to a condition precedent not having been satisfied.

I declare under the penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed 2/6, 2018, at Scotts Valley, California.


T.J. GUNTER [name of declarant]



MCGRATH ELECTRIC, INC.

1941 Walters Court Suite B
Fairfield, CA 94533
Tel: 707-422-4131
Fax: 707-422-4151
Lic# 853934

Change Order Request

COCO-80-Scotts Valley Middle School		COR Subject: RFI 205.1 - Gym Lights Credit	
To:	C. Overaa & Co.	COR Number:	12
	200 Parr Blvd.	COR Date:	2/6/2018
	Richmond, CA 94801	Respond By:	
Return To:	McGrath Electric, Inc.	Work Type:	Price/Proceed
		Document Reference No:	205.1

Details

Labor	Hours	Rate	Total
Labor	-1.5	103.97	-155.96
	-1.5		-155.96

Subcontracts	Number	RFC	Total
Credit 3 LW1	257-FIXT	JPH18-0205	-1,500.00
			-1,500.00

Breakout	
Labor	-155.96
Subcontracts	-1,500.00
Total COR:	\$-1,655.96

Description
Per response to RFI 205.1, see attached credit to remove the scope for the 3 LW1 fixtures in the Gym.

CONTRACT EXCLUSIONS APPLY TO ALL CHANGE ORDERS

WE RESERVE THE RIGHT TO CLAIM FOR TIME EXTENSION AND EXTENDED OVERHEAD AND IMPACT COSTS RESULTING FROM THIS CHANGE UNTIL SUCH TIME AS THE FULL IMPACT ON THIS PROJECT IS KNOWN.

Itemized Breakdown

System	Material(\$)	Labor Hrs
MATERIAL	0.00	-1.50
Total	0.00	-1.50

MATERIAL

Description	Qty	Trade	Price U	Total Mat.	Labor U	Total Hrs.
LW1 FIXTURE	-3		0.00 E	-0.00	0.50 E	-1.50
Totals	-3			0.00		-1.50

32940 Alvarado-Niles Rd STE#400
 Union City CA 94587
 (510)-476-3400 Fax:(510)-476-3480



To: JENINE WIXOM McGRATH ELECTRIC, INC. 1941 WALTERS COURT SUITE B FAIRFIELD, CA 94533	Proj: SCOTTS VALLEY LW1 CREDIT SCOTTS VALLEY, CA
---	---

Arch:	Engr:
Spec:	Cont:

Remarks:

Qty	Type	Mfg	Description	Price
			<i>CREDIT FOR 3 LW1 PER RFI205</i>	
-3	LW1	GARD	121-16L-530-NW-G3-3-UNV-BZ	
Total =====				-\$1500.00

F.O.B. Per MFG	Terms: Net 30 Days	Lead time: 3-6 Weeks
----------------	--------------------	----------------------

Prices firm for entry by: 45 Days	Shipment by: 70 Days
-----------------------------------	----------------------

Gexpro's Conditions of Sales (attached, previously delivered, or as posted on Gexpro.com) will apply. Shipping dates are manufacturer's estimates and are not guaranteed. A manufacturer's warranty may apply, but Gexpro makes no warranty, express or implied, written or oral (Including merchantability and fitness for a particular purpose). You are responsible to verify Gexpro's interpretation of your plans and spec, and acceptability of terms quoted as substitutes. Gexpro has no liability at all above the price of goods involved in any claim, or for any labor installation or other associated costs, or for any consequential, liquidated or incidental damages.

Subject to manufacturer's published terms and conditons of sale. Quotation is void if changed.

*****PLUS FREIGHT CHARGES UNLESS OTHERWISE NOTED IN QUOTE*****

Printed 02/05/18 09:56:20	Per: JAMES HOLLENBACK
---------------------------	-----------------------



200 Parr Boulevard, Richmond, CA 94801
 p (510) 234-0926 f (510) 237-2435 www.overaa.com

RFI RESPONSE 205.1

Job No: 3405-Scotts Valley Middle School

Date: 11/13/2017

To: Steve Jelich McGrath Electric, Inc. 1941 B Walters Ct. Fairfield, CA 94533 Phone: 707-422-4131 707-422-4151 Email: stevej@mcgrathelectricinc.com	From: Kayla Smith C. Overaa Co. 2380 Qume Drive, Suite A San Jose, CA 95131 Phone: 669.284.9200 Fax: 669.284.9201 Email: kaylas@overaa.com
---	--

Subject: Gym Mechanical Well Light Switch Location
 Spec No:
 Drawing: RFI 205
 Submittal:
 Addendum:

Information Requested By: McGrath Electric, Inc.	Date: 10/20/2017
Upon reviewing the response to RFI 205, the district would like to move the light switch for the mechanical well lights closer to the light themselves. Mike suggests moving the light switches to the south end of the gym. Please advise.	

Suggestion

Response By:	CAW Architects	Date: 11/13/2017
PER OAC MEETING ON 11/09/17, SCOPE FOR MECHANICAL WELL LIGHTS HAS BEEN REMOVED FROM THE PROJECT. PROVIDE CREDIT TO THE DISTRICT FOR REMOVED SCOPE. RM CAW ARCHITECTS 11/12/17		

Please review this RFI for cost, schedule, or drawing impacts that may affected your scope of work. If there are any changes, please contact us immediately.

Cc:



200 Parr Boulevard, Richmond, CA 94801
 p (510) 234-0926 f (510) 237-2435 www.overaa.com

NOTICE OF POTENTIAL CHANGE
 3405-Scotts Valley Middle School

PCO: **70**
 Date: 02/01/2018

To: Mike Smith
 Scotts Valley Unified School District
 4444 Scotts Valley Drive Suite 5B
 Scotts Valley, CA 95066

From: TJ Gunter, Project Manager
 C. Overaa & Co.
 Phone: 669.284.9208
 Email: tjgunter@overaa.com

Phone: 831.438.1820
 Fax: 831.438.2314
 Email: msmith@scottsvalleyusd.org

This memo is to serve as notice of the following change:

Description	ROM
RFI 205.1 - Gym Mechanical Well Light Credit Per response to RFI 205.1, Overaa is to provide a credit for the lighting shown at the gym mechanical well.	\$- 100.00

Please be advised that this work will not proceed until the below Authorization to Proceed is signed and received, a Change Order to the contract is issued, or a contractually stipulated directive is provided.

AUTHORIZATION TO PROCEED	
Owner or Authorized Agent	Date
In order to expedite the Work and avoid or minimize delays in the Work which may affect Contract Sum or Contract Time, the Contractor is directed to proceed with the referenced Potential Change in the Work. Proceed with this work promptly. Costs for the Work (if any) involved and Change in Contract Time (if any) will be included in a subsequent Change Order. Note: ROM (Rough Order of Magnitude) is Overaa's best cost estimate on the change based on what we know at this time and is not a guaranteed quote.	

cc: