



OWNER:

ARCHITECT:

CONTRACTOR:

# **Chabot-Las Positas Community College District**

Contract No. 19/20-12

Project No. 562300

#### **CHANGE ORDER**

Chabot-Las Positas Community College District ATI Architects + Engineers Rodan Builders Inc.

PROJECT:	MPOE Replacement – Learning Skills Testing		CHANGE ORDER NO. INITIATION DATE	
TO (Contractor):	Rodan Builders Inc. 3486 Investment Blvd, Hayward, CA 94545	Suite B	CONTRACT FOR CONTRACT DATE	
Not valid until signe including any adjus	ed by both the Owner and tment in the Contract Sui	Architect. Signature of the Co m or Contract Time.	ontractor indicates his agre	eement herewith,
ORIGINAL CON	TRACT SUM			\$ 1,812,000.00
	eviously authorized Char			\$ 00.00
	n prior to this Change Or			\$ 1,812,000.00
	n will be (decreased) by			-17,733.88
The new Contrac	t Sum including this Cha	nge Order will be		1,794,266.12
CONTRACT TIM	F		100	Calendar Days
Contract Comple			120	October 7, 2020
The Contract Tir	ne will change: Add (+)		216	Calendar Days
The Date of Com	pletion as of the date of t	his Change Order therefore is:	210	May 11, 2021
ATI Architects + En 4750 Willow Rd, #2 Pleasanton, CA 94	50 348 4588 Hay	dan Builders Inc. 6 Investment Blvd, Suite B /ward, CA 94545  Keith Reynolds Philosophy Spined by Kein Reynold Selligrard Signodiabilities con	Chabot-Las Posit Community Colle 7600 Dublin Boul Dublin, CA 9456	ge District evard 8
Date6/1/2021	Dat	e <u>06/01/2021</u>	Date	
Project Manager: CCM/STV JV Peter Espinosa	Fac Mic	oject Planner/Manager: cilities/Bond Program chael Garr	Vice Chancellor Bond Program a Owen Letcher	nd Operations
ву \$5	By	Mwh / Gan e 06/10/2021	Ву	
Date <u>6/2</u>	/21 Dat	e 06/10/2021	Date	
ETT. A. C. OTA				

CHANGE ORDER # 001

PROJECT NAME: MPOE Replacement - Bldg 300, Learning Skills Testing Relocation - Bldg 100

Change Order # 001

Project Name: MPOE Replacement - Bldg 300, Learning Skills Testing Relocation - Bldg 100

Page 2 of 2

Change Order #: 001

Project #: 562300

Pursuant to the General Conditions, this Change Order Form shall be used for all Change Orders associated with the Work. No additions or deletions to this form shall be allowed, except with permission of the District.

You are hereby directed to provide the extra work necessary to comply with this Change Order.

- 1. DESCRIPTION OF CHANGE: Credit for unused Owner's Allowance
  - a. Requested by: District
  - b. Reason: Contract stipulation is for the Contractor to credit back to the Owner any unused Allowance amount at the end of the Project.
- 2. TOTAL COST OF CHANGE:

(CREDIT)

\$ 17,733.88

3. SUMMARY OF CHANGES (see attached back-up documents)

PCO#	Description	Reason	Cost
1r1	Alternative routing for underground conduits	Conduits rerouted due to numerous obstructions	\$ (3,058.00
3r1	Repair existing damaged sewerline	Contractor found damaged existing sewerline	\$ 881.43
4	Revised painting for MPOE Room	Delete paint from MPOE Room ceiling, extend wall paint to ceiling	\$ (870.75
5	Add power center for FCUs	Not shown in Plans but required for function	\$ 7,070.28
6	FS system modifications	Design did not pass hydraulic calculations	\$ 7,509.84
7	Revised electrical breaker size	Existing panel too small to accept new breakers	\$ (1,557.68
8	Add card reader & other hardware	Not shown in Plans but required for function	\$ 2,940.00
9	Base plate credit	Base plates deleted by ITS request	\$ (2,462.00
10r1	Revised fire sprinkler route	Route per Plans unworkable due to existing conditions	\$ (1,573.00
1111	Revised location of Clean Agent Tank	Plan location conflicts with future ATT landing spot	\$ 4,759.00
12	Fiber strand terminations	District ITS standards not in Specs	\$ 3,991.00
13	Panel expansion	Existing panel does not have the capacity to incorporate new work	\$ 587.00
14	Reroute condensate lines	Existing drainline shown in Plan does not exist	\$ 1,613.00
15	Extension of Time & Overhead	Due to multiple delays	\$ 53,002.00
16	Pre-Action Cabinet/FA System tie-in	Not called for in Plans	\$ 5,658.00
17	Refrigerant drip pans	Not called for in Plans	\$ 2,839.00
18	Weather seal for wall penetrations	Wall penetrations were not sealed per Plans	\$ 828.00
19r1	Demo urinal (on T&M)	Plan dimensions did not match existing dimensions	\$ 2,957.00
20	Fire barrier duct wrap for FSDs	FSD needed to be installed out of plane due to existing obstructions	\$ 1,423.00
21	Furnish fiber patch cords (material only)	Requested by ITS	\$ 3,402.00
22	Furnish & install air transfer grill for UPS room	Not shown in Plans but required for function	\$ 1,187.00
23R1	FS Pre-Action activation and manual UPS EPO button	Not shown in Plans but required for function	\$ 3,517.00
24	Furnish fiber patch cords (material only)	Requested by ITS	\$ 3,048.00
25	Install fire pillows at wall penetrations	Not shown in Plans but required for function	\$ 4,575.00
		Total cost incurred	\$102,266.12
		Owner's Allowance Amount	\$120,000.00
		Amount to Credit Back to the Owner	\$ 17,733.88

CHANGE ORDER #001

PROJECT NAME: MPOE Replacement - Bldg 300, Learning Skills Testing Relocation - Bldg 100

		SUMMARY OF CHANGES - MPOE REPLACEMENT PROJECT							Cost	
# 00		Reason	Туре	RFI#	# QOO	# ISH #	Status	Initial		Final
н	Alternative routing for underground conduits	Conduits rerouted due to numerous obstructions	S	1, 1.1, 1.2			Rejected	ر در		
	Alternative routing for underground conduits	Conduits rerouted due to numerous obstructions		1, 1.1, 1.2			Accepted	\$ (3,058.00)	\$ (	(3,058.00
7	Add BETs and fuse modules	Items were called for in the Specs, but not shown in Plans	8	5, 5.1			Rejected	\$ 76,545.00		
m	Repair existing damaged sewerline	Contractor found damaged existing sewerline	OR	10			Rejected	\$ 1,342.00		
3r1	Repair existing damaged sewerline	Contractor found damaged existing sewerline	OR	10			Accepted	13	S	881.43
4	Revised painting for MPOE Room	Delete paint from MPOE Room ceiling, extend wall paint to ceiling	OR	17			Accepted		\$ (	(870.75)
2	Add power center for FCUs	Not shown in Plans but required for function	E&O	11		1	Accepted	1	4S	7,070.28
9	FS system modifications	Design did not pass hydraulic calculations	E&O				Accepted			7,509.84
7	Revised electrical breaker size	Existing panel too small to accept new breakers	E&O				Accepted			(1,557.68
00	Add card reader & other hardware	Not shown in Plans but required for function	E&O	14			Accepted	\$ 2,940.00	\$	2,940.00
6	Base plate credit	Base plates deleted by ITS request	NO	26	н		Accepted	\$ (2,462.00)	\$ (	(2,462.00
10	Revised fire sprinkler route	Route per Plans unworkable due to existing conditions	E&O	36	7		Rejected	\$ (1,123.00)		
10r1	Revised fire sprinkler route	Route per Plans unworkable due to existing conditions	E&O	36	2		Accepted	\$ (1,573.00)	\$ (	(1,573.00)
	Revised location of Clean Agent Tank	Plan location conflicts with future ATT landing spot	OR			2	Rejected	\$ 4,761.00		
	Revised location of Clean Agent Tank	Plan location conflicts with future ATT landing spot	OR			2	Accepted	\$ 4,759.00	43	4,759.00
12	Fiber strand terminations	District ITS standards not in Specs	OR				Accepted	100	45	3,991.00
13	Panel expansion	Existing panel does not have the capacity to incorporate new work	E&O	48			Accepted	\$ 587.00	\$	587.00
14	Reroute condensate lines	Existing drainline shown in Plan does not exist	E&O	50, 54			Accepted	\$ 1,613.00	\$	1,613.00
13	Extension of Time & Overhead	Due to numerous delays	S				Accepted	\$ 53,002.00 \$	\$	53,002.00
16	Pre-Action Cabinet/FA System tie-in	Not called for in Plans	E&O	55			Accepted	\$ 5,658.00	45	5,658.00
17	Refrigerant drip pans	Not called for in Plans	E&O			3	Accepted	\$ 2,839.00	4	2,839.00
18	Weather seal for wall penetrations	Wall penetrations were not sealed per Plans	E&O	65			Accepted	\$ 828.00	\$	828.00
13	Demo urinal	Plan dimensions did not match existing dimensions	E&O		е		Rejected	\$ 3,521.00		
19r1	Demo urinal (on T&M)	Plan dimensions did not match existing dimensions	E&O		m		Accepted		45	2,957.00
20	Fire barrier duct wrap for FSDs	FSD needed to be installed out of plane due to existing obstructions	E&O		4		Accepted	\$ 1,423.00	₩.	1,423.00
21	Furnish fiber patch cords (material only)	Requested by ITS	OR				Accepted	\$ 3,402.00 \$	\$	3,402.00
22	Furnish & install air transfer grill for UPS room	Not shown in Plans but required for function	E&O			Ŋ	Accepted	\$ 1,187.00	\$	1,187.00
23	FS Pre-Action activation and manual UPS EPO button	Not shown in Plans but required for function	E&O				Rejected	\$ 5,667.00		
23R1	FS Pre-Action activation and manual UPS EPO button	Not shown in Plans but required for function	E&O	71.1			Accepted	\$ 3,517.00	\$	3,517.00
24	Furnish fiber patch cords (material only)	Requested by ITS	OR				Accepted	\$ 3,048.00	45	3,048.00
25	Install fire pillows at wall penetrations	Not shown in Plans but required for function	E&O			2	Accepted	\$ 4,575.00	s	4,575.00
			E&O	Errors & Omissions	mission	_   _   _			S	39,573,44
			OR	Owner's Request	equest				\$	12,748.68
			R	Contractor's Request	r's Requ	est			\$	49,944.00
			_	Date		10/0/2		To date cont	4	C1 32C CO1

	ŀ	
1,794,266.12	S	Final Contract Amount
1,812,000.00	\$	Contract Amount
17,733.88	S	Balance
120,000.00	S	Allowance Amount



3486 Investment Blvd., Suite B, Hayward, CA 94545 P 650.508.1700 F 650.508.1705

DATE:

9/2/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

Alt. Routing from Existing Com. Vault 200D to Bldg.300/Add. Direction Boring R1

PCO#:

01R1

Dear Peter,

Below is the cost to provide cost impact per RFI 1.2 (attahced). Credit is being given to eliminate one (1) 4'x6' vault, one (1) 3'x5' vault, 520LF of 4" PVC conduit and all associated labor, markup and sales tax. Includes the added directional bornig as detailed in RFI. Cost breakdown is detailed in the attached. Cost will indicate a NET add, upon resolution with electrical contractor Beci Electric they have agree to a NET zero add to their contract.

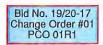
DESCRIPTION	Material	Labor	Sub	Total Co	ost
Beci Electric					
Alternative Routing for (18) 4-inch Conduits	\$	- \$	- \$	(2,845) \$	(2,845)
				\$	Ģ.
SUBTOTAL				\$	(2,845)
Markup - Subontractor				\$	(142)
Insurance - 1%				\$	(28)
Bonds - 1.5%				\$	(43)
TOTAL COST				\$	(3,058)

Feel free to contact me with any questions or concerns.

Sincerely,

Keith Reynolds Digitally signed by Keith Reynolds Service (Sus, Charles) Reynolds Everynolds (Prodehbuilders.com, Charles) Reynolds Date: 2020.09.02 11:21:47-0700

Keith S. Reynolds Project Manager Rodan Builders, Inc.



## Time and Material Change Order Pricing

Comp Conta Addr City,	ess:	Rodan Builders Keith Reynolds 3486 Investment Blvd. Suite B Hayward, CA 94545 650-508-1700		PCO #	: 1 : 6.30.20 : RFI 01.2 Res	ponse	e - Alternative
Draw	ing Numl	per: Description of Work:					
	13.00			34.2	Unit		11 V 21 -
Item	Materia 4' x 6' Va	ls - itemized	Quan.	Unit EA	Price \$ 9,120.00	S	Extension (9,120.00
2	3' x 5' Va			EA	\$ 3,014.00	S	(3,014.00
3	4" PVC		-520		\$ 1.46	S	(759.20
4						S	
5						S	2
7	-			-		S	
8						S	
9						S	1.4
10						S	10
11						S	•
12						S	
14						S	
15						\$	
16						S	•
17						S	-
19						S	-
20						S	-
				Materia	als Subtotal:	S	(12,893.20)
Item	Equipme	ent - itemized by equipment		1/21110711	III DII DII DIIII	S	(12,055.20)
1						S	
2						S	
3						S	
5						S	-
			Rent	f Equipme	ent Subtotal:	S	
Ttom	I abou !	temized description	Ouou	UOM	Unit Price		Extension
Item 1	Journeyn		Quan. -16	HR	\$ 117.11	S	(1,873.76)
2	Journeyn	1411		- 1110	Ψ 11/111	S	(1,075.70)
3						S	
4						S	
5						S	-
7						S	
8						S	-
				Lab	or Subtotal:	S	(1,873.76)
Sumi	nary:			1530.0	515 F 821 53	_	9 7 W 41
			Ma	terials before	e tax Subtotal;		(12,893.20)
			Da	nt of Panin	Sales Tax:		(1,192.62)
			Ke		nent Subtotal; abor Subtotal;		(1,873.76)
			Materials, Rental E				(15,959.58)
		Overhe	ad and Profit (Materials &		15%		(1,933.98)
			Overhead and Pi	The state of the s			(281.06)
			Sub	contractors :	Section 18 March	S	(18,175.00)
Item	SubTtan	Contractors		Quote			
1 l	Additiona		\$	Quote	14,600.00		
2		•	\$		-		
3	/		\$		-	_	7,722
			Second Tier		or(s) Subtotal: ofit at 5.00%:		14,600.00
				Pi	Subtotal:		730.00 15,330.00
			Subcontractor + 2nd tier S	ubcontracto		S	(2,845.00)
					al this Page:	S	(2,845.00)
			Te	otal from Pr	revious Pages		

Bid No. 19/20-17 Change Order #01 PCO 01R1

(2,845.00)

Proposal Grand Total: \$



	Change O	rder #1	
Name: Chad Dill	ashaw	Date:	June 29, 2020
Contractor: BECI Ele			
	nal Crew, Equipment, O		d bore length
Project: MPOE Re	placemnt Bldg. 300, Cl	abot Callege	
Description			
	re length has increased	our crew and equipmen	t time and
increased material	s. This includs the follo	owing.	
	of drill rig to accommod	(1) 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
	nal crew and equipment		
	nal 4" conduit to accoun		ength
	nal vacuum truck time fo		
- Addition	nal disposal costs at disp	oosai site	
Compensation:	Original Contract:	\$18,600.00	
Compensation	Change Order #1	\$14,600.00	
	Total:	\$33,200.00	
Exclusions: Excavation Vaults	ns		
Details:			
Submitted by:			
Towng Down			
Tommy Demus			
	Acceptance of Ch	ange Order #1	
Signature:		Date:	
D 1		Comment N	
Print Name:		Company Name:	



4915A E, ANNADALE AVENUE FRESNO, CA 93725

PH: (559) 248-0270 FAX: (559) 248-0271

**5400 RALEY BLVD** 

SACRAMENTO, CA 95838-1700

PH; (916) 991-8800 FAX: (916) 991-8810

3430 PACHECO BLVD. **MARTINEZ, CA 94553** PH: (925) 222-3471 FAX: (925) 229-2235

12101 BRANDT ROAD LOCKEFORD, CA 95237-9701

PH: (209) 727-5573 FAX: (209) 727-5833

#### QUOTATION

Project Name:

**NEW MPOE AT CHABOT CAMPUS BLDG 300** 

Project Location: **Customer Name:** 

HAYWARD, CA

Beci Electric, Inc.

Quote Number: Quoted Date:

Q-00049525 4/09/2020

Quoted By:

Robert Pool

Attn To Phone:

ITEM	QTY		DESCRIPTION	PRICE EACH	EXT PRICE
i	2,00	PULLBOX, (1 WITH SPECI (1) 12" DIA. TERMINATO DATED 3-16	ty Puil Box includes 4'x6'-6" x 4' Tall Electrical ) Galvanized Steel Level 4 Two Door Hatch AL Labels (4) Recessed Pulling Irons in Floor, Floor Sump, Galvanized Cable Racking and RS PER PROVIDED PROJECT DRAWINGS T-505 -20 JELIVERED & SET	\$9,120.00	\$18,240.00
2	1.00	35 ATOT 40	A/G ENCL TRF ASSY 600072	\$3,014,00	\$3,014,00
2	1.00	35 A1&1-48 Qty	Includes	<b>\$3,014.00</b>	\$5,014,00
		1.00	3X5-48 PULL BOX AT&T		
		1,00	COVER 3660 ADJ HINGED INC TRAX GALV		
		2,00	1" X 14,5' CS-102 CONSEAL		
		•	Ship Code: DELIVERED & SET		

DELIVERY		NET PRICE
Number of Trucks	1.00	00,00e\$
Freight		

GRAND TOTAL: \$22,154.00

Includes: 2.00 Special truck(s), Please allow minimum 72 hours from request for delivery to receipt of goods. This is in addition to the time required for manufacturing of the product, which will be determined upon receipt of purchase order. Delivery includes 1,00 hours of offload & set time per truck. If the material is loaded and subsequently cancelled by the customer, a minimum restocking fee of \$300.00 will apply to each load.

ALL ORDERS ARE SUBJECT TO CREDIT APPROVAL AND ACCEPTANCE BY SELLER.

QUOTED PRICES DO NOT INCLUDE SALES TAX ON PRECAST ITEMS.

A 3% CREDIT CARD SERVICE FEE MAY BE ADOED FOR ALL CREDIT CARD PAYMENTS.

DELIVERY TRIPS, SETTING TIME, OR MATERIALS NOT NOTED ABOVE WILL BE BILLED ACCORDINGLY.

OFFER TO SELL SUBJECT TO JENSEN PRECAST'S COMPANY POLICIES, TERMS AND CONDITIONS.

PLEASE REFER TO https://www.jensenprecast.com/legal/Terms-And-Conditions-California.pdf FOR COMPLETE TERMS AND CONDITIONS WHICH ARE HEREBY INCORPORATED BY REFERENCE

ALL SPECIALIZED PRODUCT MAY BE SUBJECT TO A DEPOSIT PRIOR TO SUBMITTALS AND/OR PRODUCTION

QUOTATION IS VALID FOR 30 DAYS, THANK YOU FOR CHOOSING JENSEN PRECASTI

Bid No. 19/20-17 Change Order #01 PCO 01R1



# RFI 0001.2 Alternative Routing for (18) 4-inch Conduits

Status: Sent to reviewer

Due Date: Jun 20, 2020

#### Question

Alex Tellez (Rodan Builders Inc.) on Jun 4, 2020 at 2:59 PM PDT

RFI #1.2 Revised per conversation during our OAC meeting held 6/10/2020:

See attached C-101 Utility Plan marked-up to show alternative routing for the (18) 4" Underground Conduits. We believe this to be a more direct and clear pathway. Please review and confirm this is acceptable.

In addition, there is an existing 6" water line that is obstructing the pathway per plans and per the alternate layout proposed. See utility locating photos and report attached. Please review and advise.

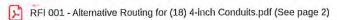
Note, Rodan Builders is pot holing this general area on Monday 6/15/20 and will provide additional supporting information to this RFI.

RFI #1.1 Revised to include utility locating information:

In addition to RFI #1 below, please review the mark-up attached showing located utilities near and around vault 200-D. Please review and advise noting pathway around the 6" DW line.

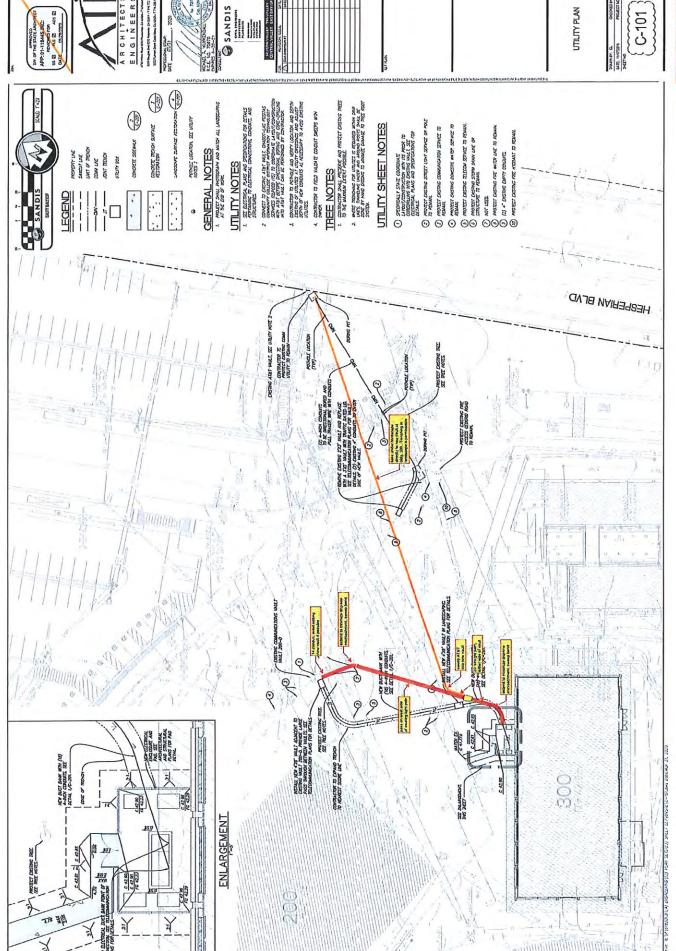
#### RFI #1:

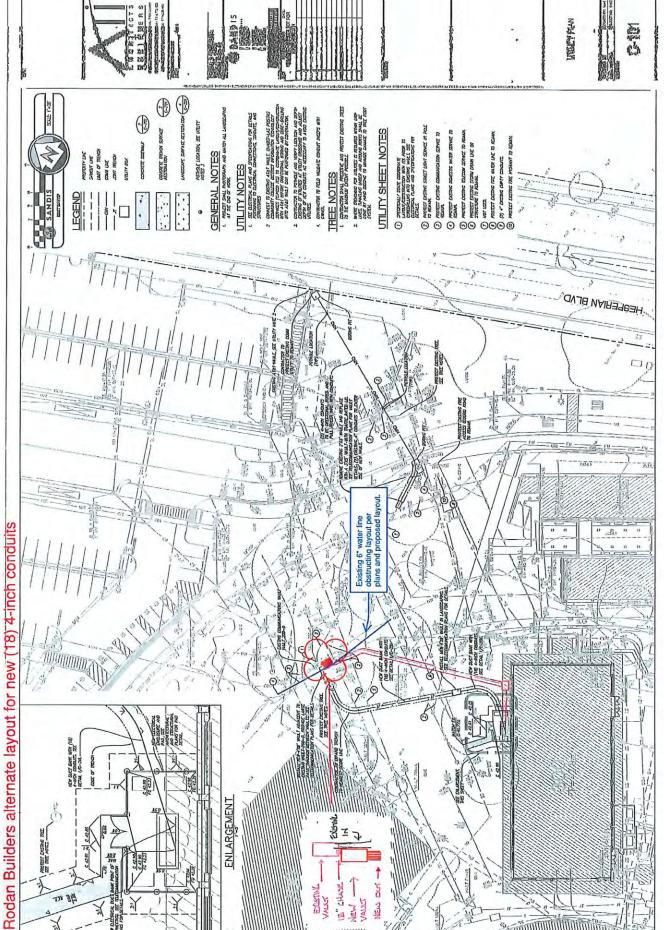
See attached C-101 Utility Plan marked-up to show alternative routing for the (18) 4" Underground Conduits. We believe this to be a more direct and clear pathway. Please review and confirm this is acceptable. Note, Rodan Builders is underground locating on Monday 6/8/20 and will provide additional supporting information to this RFI.

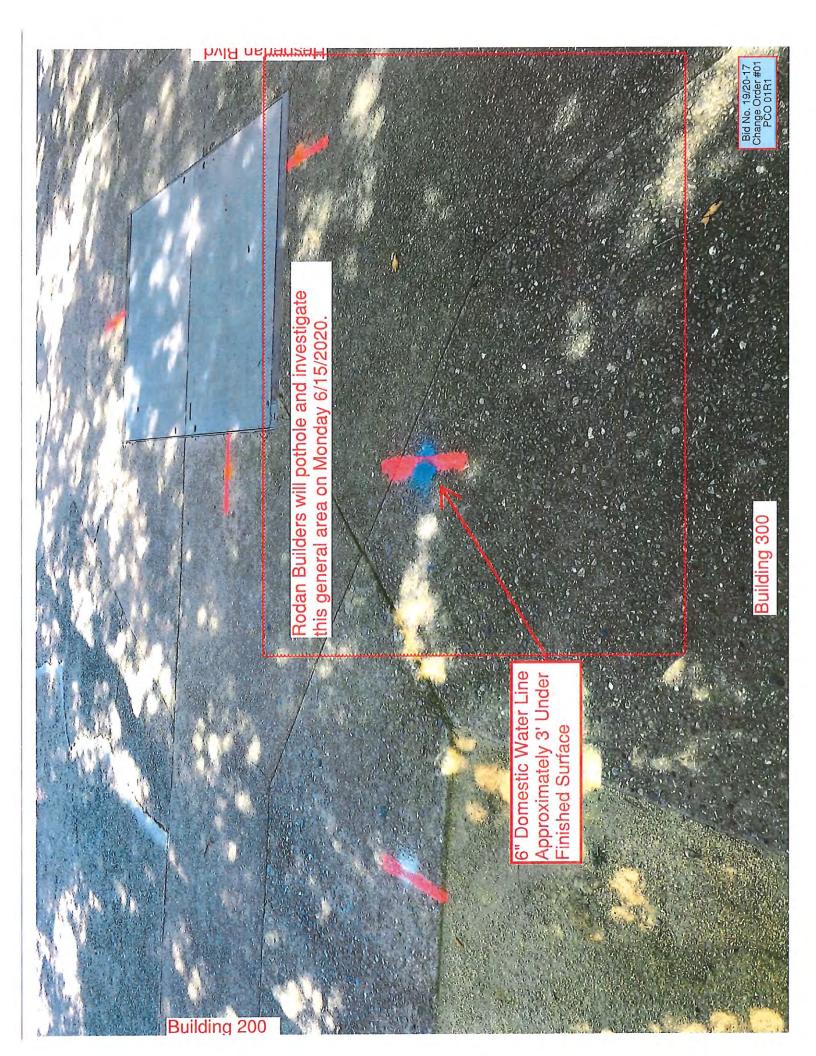


RFI\_01.1\_RBI\_Alternative Routing for (18) 4-inch Conduits.pdf (See page 4)

The alternate route proposed by the contractor is acceptable with the attached revisions and at no cost to the District. The final design and layout is the contractor's responsibility. The contractor is to verify existing conditions to avoid conflicts with any and all existing utilities. This proposed solution should result in a credit of at least one, possibly two vaults that will be omitted depending on how the new work connects to the existing Bldg. 200 vault. - Luke Shiras, ATI 6/19/20







2463 Tripaldi Way, Hayward, CA 94545 Tel (408) 988-0101 - Fax (408) 988-0103 www.besstestlab.com

UTILITY SOLUTIONSGPR Concrete Scanning - Utility Locating - Potholing - Mobile LiDar 3D Scanning - 3D GPR Imaging

#### UTILITY LOCATING & GPR UTILITY SCANNING

REPORT FOR

# Rodan Builders

Project Site: Chabot College Hayward, CA

JUNE 10, 2020

#### Extract from Bess Utility Solutions locating report dated 6/10/2020

2463 Tripaldi Way, Hayward, CA 94545 Tel (408) 988-0101 - Fax (408) 988-0103 www.besstestlab.com

Attention: Alex Tellez June 10,2020

Reference: 23-0-1459 Scope of Work

BTL was contracted to provide utility locating and GPR utility scanning services on site in Hayward, CA. All utilities were requested to be marked by their appropriate designated utility color. Any unknown utilities are to be marked in pink and marked as "unknown".

#### RF Utility Locating and GPR Utility Scanning Approach

#### BTL Crew

SUE Foreman: Jesse Cardenas

Equipment

BTL Locating Crews use RF (Radio Frequency) utility locators combined with GPR (Ground Penetrating Radar) to locate known and unknown underground utilities.

Marking Materials

Markings are done with water based pink paint, pink metal wire flags (bio degradable flags available upon request) and/or wooded laths.

Technical Approach

BTL crews uses the direct connect method when locating underground utilities. Horizontal accuracy of our locators are 6"on each side of markings, although industry standards by law in California allows for 2 feet on each side of markings. Vertical accuracy "Electronic depths" are strictly an estimate. Our Equipment standards suggest our locators are fall with-in 5% of actual depths. Our GPR equipment for utility scanning consist of a 400 MHz and 200MHz antennas.

#### Results

Designated area was marked and located, our technicians ran GPR to see potential unknown utilities or anomalies that could be threats during excavation work. The following utilities have been located and marked. Electrical, Gas, Water, Communication, and GPR Unknown.

Standard report was put together to display the utilities on images taken in the field. Images are to be used as visual reference, they are not to scale and should not be used for measurements or anything else than their intended purpose. During preparation of report, the job site was reviewed. Special attention was taken to make sure no other utilities were missed as apart of our quality control procedure.

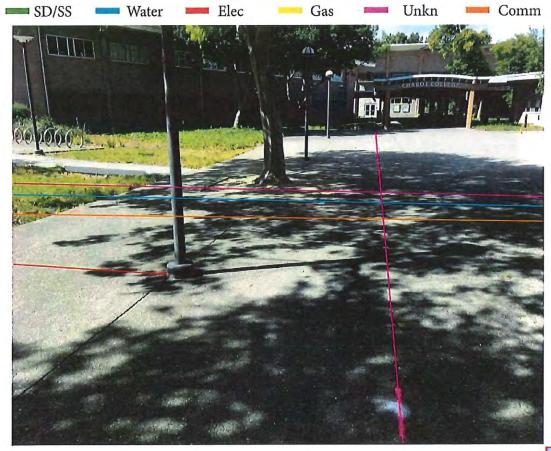




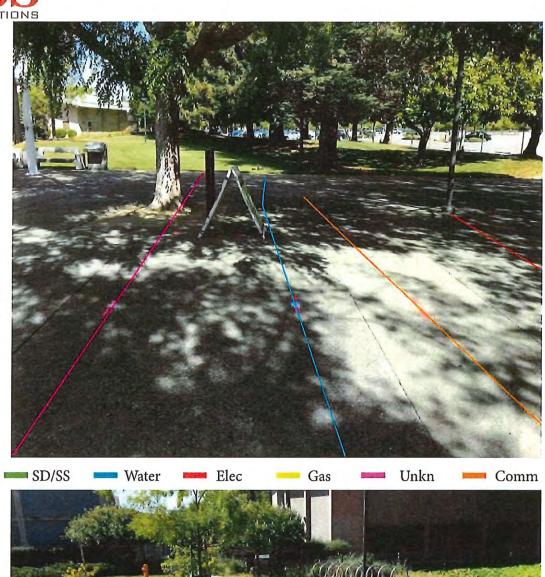
Bid No. 19/20-17 Change Order #01 PCO 01R1





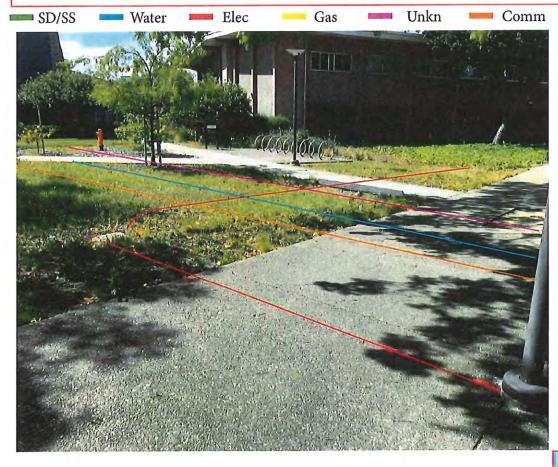




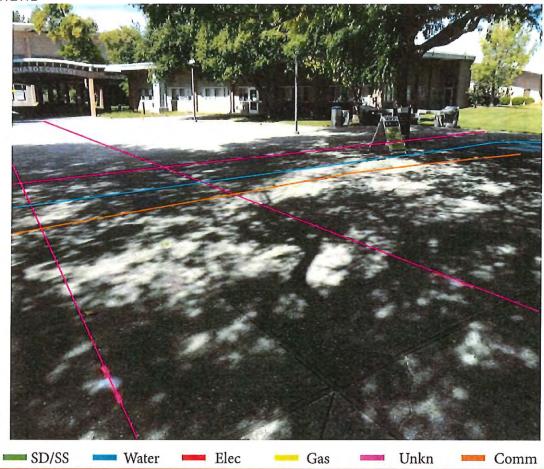




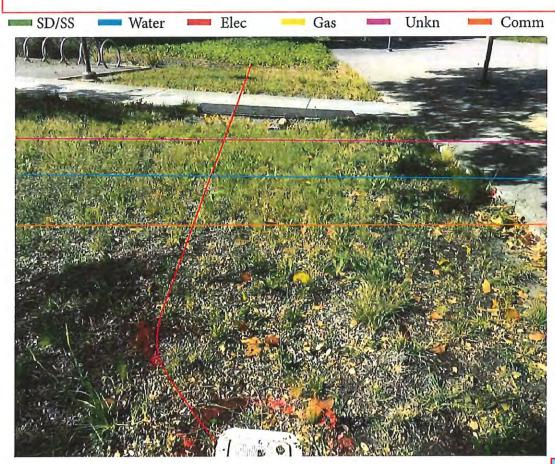


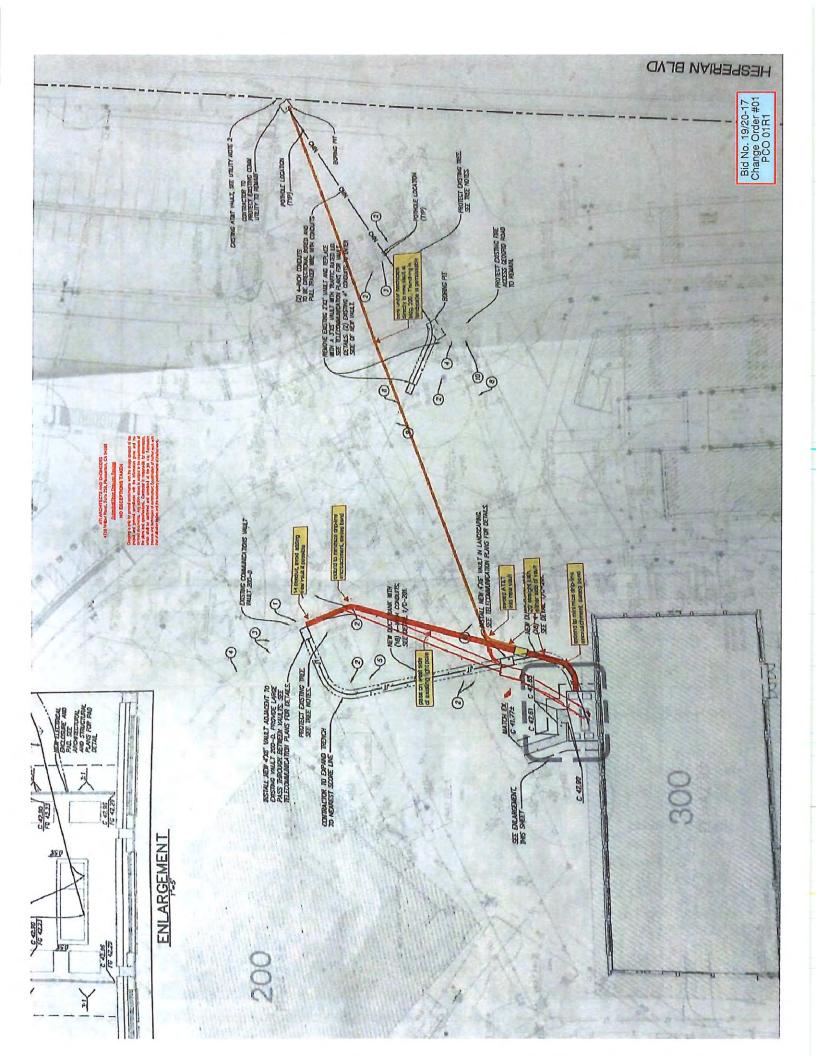














3486 Investment Blvd., Suite B, Hayward, CA 94545 P 650.508.1700 F 650.508.1705

DATE:

7/30/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

Repair Existing Damaged SD Line per RFI #10

PCO#:

03

Dear Peter,

Below is the cost to furnish and install a repair sleeve on the existing damaged 8" SD line per RFI response #10.

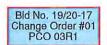
DESCRIPTION	Material		Labor	Sub	Total Cost	
Rodan Builders, Inc.						
Repair Existing Damaged SD Line per RFI #10	\$	358	\$	392	\$	750
SUBTOTAL					\$	750
Markup - Contractor					\$	113
Insurance - 1%					\$	8
Bonds - 1.5%					\$	11
TOTAL COST					\$	881

Feel free to contact me with any questions or concerns.

Sincerely,

Keith Reynolds Digitally signed by Keith Reynolds DN: G=US, Ekroynolds@rodanbuilders.com, Charles (Fellin Reynolds Date: 2020.07;30 09:23:46-07'00'

Keith S. Reynolds Project Manager Rodan Builders, Inc.



# COST ANALYSIS

			0001	1001					
PROJECT: MPOE Replacement Bldg. 300							Ø	SHEET NO.	1 0 1
ARCHITECT: ATI Architects + Engineers		OWNER:	CLPCCD				ESTI	ESTIMATE NO.	PCO 03
QUANTITIES: Breakdown Below		PRICE BY: KR/AT	KR/AT				1	DATE	7/30/2020
	Ī			MATERIAL		9084		TOTAL COET	
DESCRIPTION		QUANTITY	TINO	TIND	TOTAL	TIND	TOTAL	TIND	TOTAL
Rodan Builders, Inc.									
Labor X1 Journeyman Carpenter									
- Furnish and Install a Repair Sleeve on the Existing Damaged 8" SD	7	4.0	HRS			97.94	\$ 391.76	0.	391.76
Materials X1 Repair Sleeve	1	1.0	EA	\$ 358.39	9 \$ 358.39			,	358.39
	Total				\$ 358.39	ō	\$ 391.76		750 15

R & B COMPANY - RWC A CORE & MAIN COMPANY 939 BROADWAY REDWOOD CITY, CA 94063 Phone 650 366-3833 Fax 650 366-1134

# Quotation

EXPIRATION DATE	QUOTE	NUMBER
08/20/2020	S19	55868
R & B COMPANY - RWC		PAGE NO.
A CORE & MAIN COMPANY 939 BROADWAY REDWOOD CITY, CA 94063 Phone 650 366-3833 Fax 650 366-1194		1 of 1

QUOTE TO:

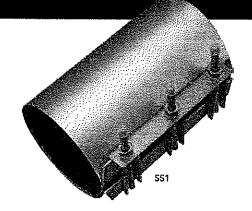
SHIP TO:

RODAN BUILDERS, INC. 3486 INVESTMENT BLVD. SUITE B HAYWARD, CA 94545 RODAN BUILDERS, INC. 3486 INVESTMENT BLVD. SUITE B HAYWARD, CA 94545

CUSTOMER NUMBER		R PO NUMBER	JOB NAME / RELEASE N	UMBER sa sandred	SALESPERSON
5587					Jim Sockol
WRITER	factor 110	SHIP VIA	TERMS	SHIP DATI	FREIGHT ALLOWED
Jake Pere	ez	WC WILL CALL	Net 30 Days	08/18/202	20 Yes
ORDER QTY		DESCRIPTION	, , ,	UNIT PRICE	EXT PRICE
	**RANGE 9.		CLAMP	328.050/	EA 328.05
Price are firm for 30 days 30 days. Applicable taxe	s. Subject to che s extra.	ange without notice after		Subtotal S&H Charge	328.05 es 0.00
				Amount Due	328.05

Bid No. 19/20-17 Change Order #01 PCO 03R1 + Tax @9.25% = 358.39

#### SUBMITTAL INFORMATION



#### MATERIALS

#### SHELL

304 Stainless Steel 18 to 26 gauge depending on size.

#### **SIDEBARS**

Heavy gauge 304 Stainless Steel, GTAW welded to form permanent fusion with shell.

#### LUGS

304 Stainless Steel, fused to sidebars by GMAW welding.

#### **BOLTS**

304 Stainless Steel, 4 inch clamps and smaller use 1/2" UNC rolled thread, 6 inch clamps and larger use 5/8" UNC rolled thread. Bolts are GMAW welded to sidebar.

#### **NUTS**

Heavy hex, 304 Stainless Steel, 4 inch clamps and smaller uses 1/2" UNC threads, 6 inch clamps and larger uses 5/8" UNC threads. Nuts coated to prevent galling.

#### **WASHERS**

5/8" 304 Stainless Steel flat washers. SS1's 13.55 and larger, SS2's 13.50 and larger and all SS3's receive Stainless Steel flat washer. 1/2" or 5/8" Plastic washer prevents galling between nut or stainless steel washer and lifter bar, on all sizes.

#### **ARMORS**

Heavy gauge 304 Stainless Steel, bonded to gasket to bridge gap at lug area.

#### LIFTER BARS

304 Stainless Steel, lip curved to hold position while tightening. Heavy gauge serves as bearing surface for nuts.

#### **GASKETS**

Virgin SBR rubber compounded for water and sewer service in accordance with ASTM D 2000 MAA 610.

Other compounds available for petroleum or high temperature service, or other special applications.

#### WELDS

#### **GMAW & GTAW**

308L Stainless Steel filler wire used as appropriate. All welds fully passivated for enhanced corrosion resistance.

#### **STANDARD**

Complies with ANSI/AWWA Standard C230 Stainless-Steel Full-encirclement Repair and Service Connection Clamps 2" – 12".

#### **SIZES & RANGES**

See catalog.

This information is bas

Bid No. 19/20-17 Change Order #01 PCO 03R1



# RFI 0010 - Existing SD Line

Status: Sent to reviewer

Due Date: Jul 22, 2020

#### Question

Alex Tellez (Rodan Builders Inc.) on Jul 7, 2020 at 11:16 AM PDT

Please see attached photo of the existing SD line exposed during excavation. This SD line has a small leak that drips once every few minutes. The pipe leak is existing not caused during our excavation. Please confirm if any action is required on the leak prior to backfilling the trench.



RFI\_10\_RBI\_Existing SD Line.pdf (See page 2)

#### SANDIS REPSONSE:

DATE RESPONDED: 7/8/2020

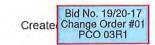
The SD pipe appears to be ACP (asbestos cement pipe) so the ideal answer would be to remove a section of the pipe and replace it with a non-ACP material. The campus may not want to spend the money to do that but that would the preferred fix.

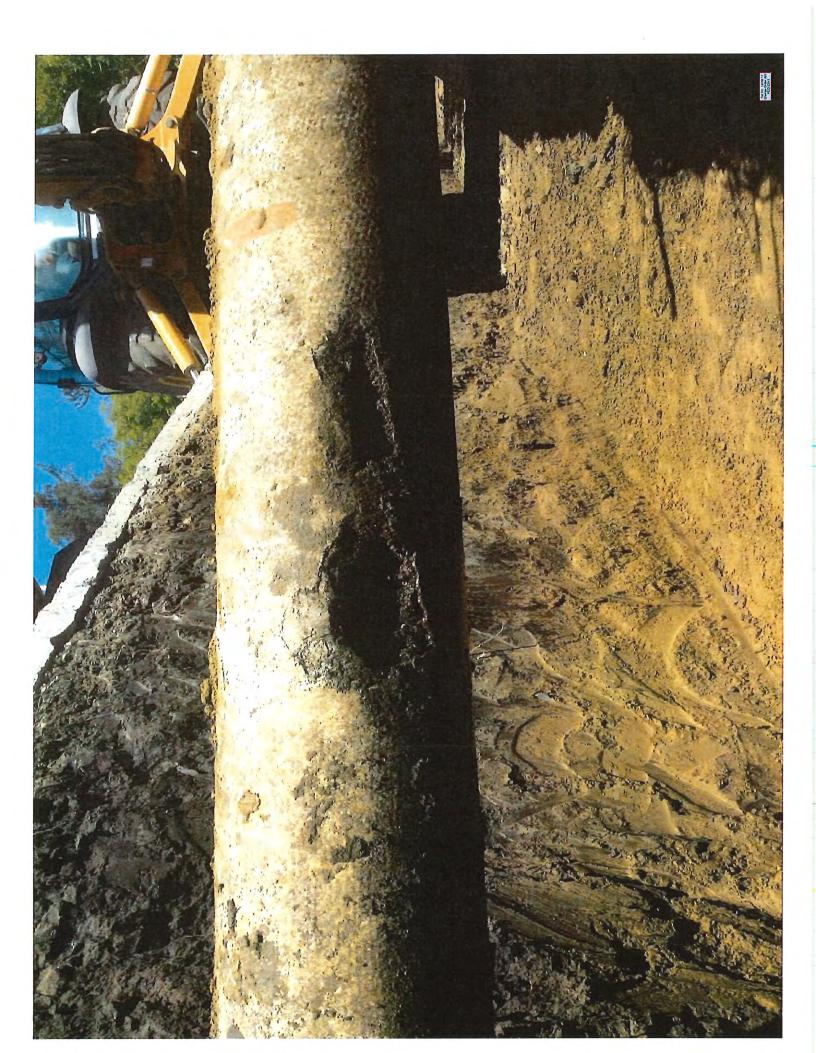
Alternately, the pipe can be 'repaired' with a clamped on fitting. These come in a range of sizes and styles depending on the pipe material and what the pipe is carrying. Here is one manufacturer of them:

https://www.jcmindustries.com/product-category/repair-fittings/

Have the Campus Representative review and provide direction on which solution the campus would want to take.

TONY VILLALOBOS SANDIS ENGINEERS









DATE:

7/29/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

Extend Paint at Int. Walls/Delete Clg. Paint Per, RFI 17

PCO#:

04

Dear Peter,

Below is the added cost, \$911.00 to extend paint coverage to full height at ineterior walls of MPOE room. Cost impact includes credit (\$1,721.00) to eliminate ceiling painting scope as detaile via RFI 17

DESCRIPTION	Material	Labor	Sub	Total Cost	
KBI Painting					
Extend Paint at Int. Walls/Delete Clg. Paint			\$	(810) \$	(810)
				\$	-
SUBTOTAL				\$	(810)
Markup - Contractor				\$	(41)
Insurance - 1%				\$	(8)
Bonds - 1.5%				\$	(12)
TOTAL COST				\$	(871)

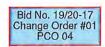
Feel free to contact me with any questions or concerns.

Sincerely,

Digitaly signed by Keith Reynolds One C-US.

Keith Reynolds Extrapolds Grodanbus Mers.com, One—Keith Reynolds Date: 2020,07,23 10:40:90-9700

Keith S. Reynolds Project Manager Rodan Builders, Inc.



# **KBI** Painting Quote Sheet



**PROJECT:** MPOE Building Replacement Bldg 300

001
7/29/2020
20-062
20-1102

Submitted To	
GC:	Rodan Builders, Inc
PM:	Alex Tellez
PE:	AND THE RESERVE
SUPER:	731-5301-1

Sul	bmitted By	
	KBI Painting Inc.	
	Todd Guidi	
	Senior Estimator / PM	
	(707) 800-2427	

Subject
Delete Ceiling Scope in MPOE

	Item #	DESCRIPTION OF WORK	Amount
1	Delete ceilin	g painting in the MPOE/DAS room	
	15 hrs @ \$1	01.41 per hr	(\$1,521
	Material		(\$200
		TOTAL	(\$1,721
10			

We will proceed with this pricing change request upon written approval via email or receipt of change order to contract.

# **KBI Painting Quote Sheet**



PROJECT: MPOE Building Replacement Bldg 300

Quote # 002
PCO #
Date Issued 7/29/2020
KBI Job # 20-062
GC Job # 20-1102

Submitted To	
GC:	Rodan Builders, Inc
PM:	Alex Tellez
PE:	MALE SERVICE
SUPER:	The country

Su	bmitted By	
	KBI Painting Inc.	
	Todd Guidi	
	Senior Estimator / PM	
	(707) 800-2427	

Subject	
Extend Custom White full height walls	

	Item #	DESCRIPTION OF WORK	Amount
1	Extend cu MPOE/DA	stom "white" paint from submittal #38 full height walls in AS room	
	8 hrs @ \$	101.41 per hr	\$811
	Material		\$100
		TOTAL	\$911

We will proceed with this pricing change request upon written approval via email or receipt of change order to contract.



# RFI 0017 - Painting MPOE Room Ceiling

Status: Sent to reviewer

Due Date: Jul 31, 2020

#### Question

Alex Tellez (Rodan Builders Inc.) on Jul 16, 2020 at 4:32 PM PDT

Per the response to our paint submittal, the Owner has indicated they do not want any paint on the ceiling of the new MPOE room #307. Please review extracts from submittal response #38 and confirm.



RFI\_17\_RBI\_Painting MPOE Room Ceiling.pdf (See page 2)

Confirmed, do not paint the ceiling in the MPOE/DAS room. Extend custom "white" paint from submittal #38 full height of walls in MPOE/DAS room. - Luke Shiras, ATI 7/17/20



## SPECIFICATION SUBMITTAL

# MPOE REPLACEMENT BUILDING 300 25555 HESPERIAN BOULEVARD HAYWARD, CALIFORNIA 94945

**Submitted for:** 

Carbon paint color no longer needed

KBI Painting, Inc. P.O. Box 750397 Petaluma, CA 94975 (707) 795-4955

nickie@kbipaint.com

ATI ARCHITECTS AND ENGINEERS 4750 Willow Road. Suite 250, Pleasanton, CA 94588

Submittal/Shop Drawing Review

MAKE CORRECTIONS NOTED

Checking is only for general conformance with the design concept of the project and general compliance with the information given and the contract documents. Any action shown is subject to the requirements of the plans and specifications. Contractor is responsible for dimensions, which shall be and informed and correlated at the job site; Fabrication process and techniques of construction; Coordination of his/her work with that of all other trades; and the satisfactory performance of his/her work.

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an LISA LIM

07/16/2020

Submitted by:

Rich Hoey
Sales Representative
Kelly-Moore Paint Company, Inc.
601 Francisco Boulevard - East
San Rafael, CA 94901-4006
(415) 595-9315

rhoey@kellymoore.com

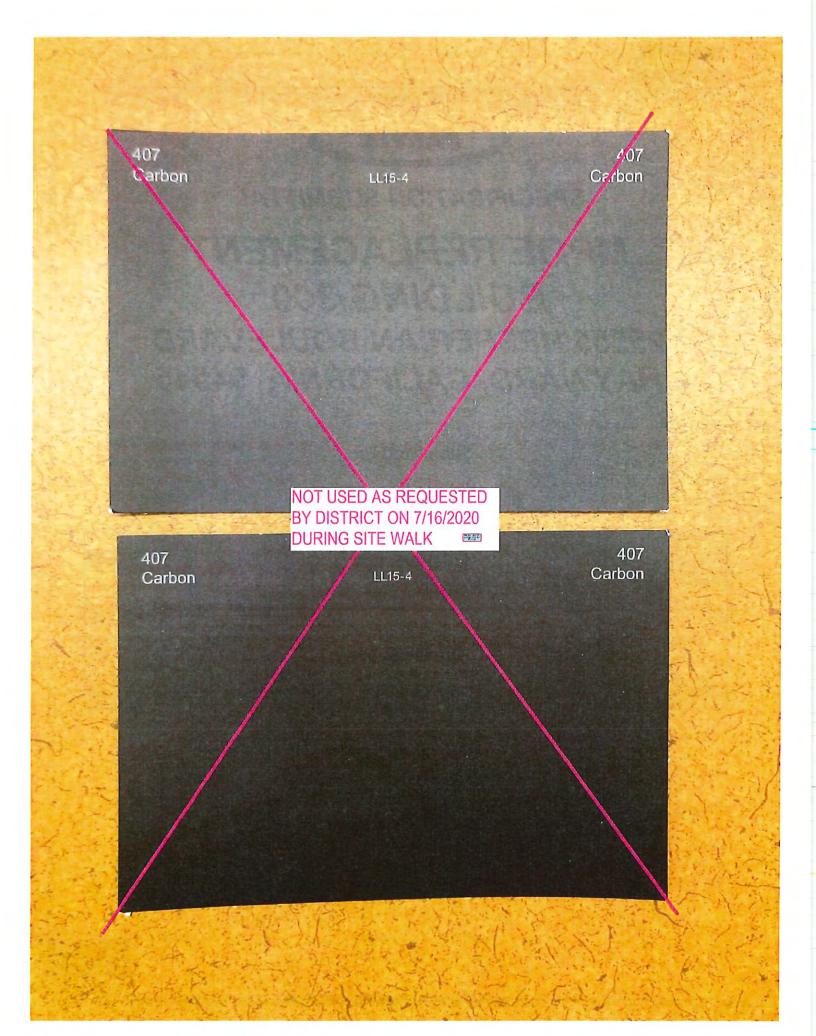
#### **Architect:**

ATI Architects + Engineers 4750 Willow Road, Suite #250 Pleasanton, CA 94588

#### **General Contractor:**

Rodan Builders, Inc. 3486 Investment Boulevard, Suite B Hayward, CA 94545

> Bid No. 19/20-17 Change Order #01 PCO 04





3486 Investment Blvd., Suite B, Hayward, CA 94545 P 650.508.1700 F 650.508.1705

DATE:

8/3/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

Mini Power Centers For Fan Coil Units per RFI #11 and ASI #001

PCO#:

05

Dear Peter,

Below is the cost to furnish and install two (2) mini power centers that are to power the fan coil units per RFI Response #11 and ASI #001. ASI #001 drawings show panel 31LC feeds one of the new mini power centers with (1) 20A/2P CB, there is also another 20/2P CB added for spare. The second mini power center is fed by panel 31LD however that panel schedule is not shown. Our cost proposal assumes panel 31LD will have the same breakers mentioned above.

DESCRIPTION	Material	Labor	Sub		<b>Total Cost</b>	
Beci Electric, Inc.						
Mini Power Centers For Fan Coil Units per RFI #11 and ASI #001			\$	6,577	\$	6,577
SUBTOTAL					\$	6,577
Markup - Contractor					\$	329
Insurance - 1%					\$	66
Bonds - 1.5%					\$	99
TOTAL COST					\$	7,070

Feel free to contact me with any questions or concerns.

Sincerely,

Digitally, signed by Kelth Reynolds

Color Color

Keith S. Reynolds Project Manager Rodan Builders, Inc.



# Time and Material Change Order Pricing

	pany:	D. J., D. 111		Project:	Cha	bot Bldg	300 N	MPOE Replacement
Company: Rodan Builders Contact: Keith Reynolds		2 10 1 2 2 2 E E E E E E E E E E E E E E E E	<del></del>	PCO #: 3 Date: 7/30/20				
	Contact: Keith Reynolds Address: 3486 Investment Blvd, Suite B		3					
100 mm				Description: ASI 001				
City, State Zip: Hayward, CA 94545 Telephone: 650-508-1700				Description. Asi our				
Fax:	none.	000 000 1700						
Draw	ing Numb	per: Description o	f Work:	1	1	Unit	Г	
Item	Material	s - itemized	Quar	. Unit		Price		Extension
1	(2) Mini	Power Centers with (2) 15A/2		I Lot	\$ :	3,320.00	\$	3,320.00
2	3/4" EM			55 LF	\$	0.72	\$	46.80
3	3/4" EM	Γ Coupling		6 EA	\$	2.85	\$	17.10
4	3/4" Straj			4 EA	\$	0.76	\$	3.04
5	No 12 TF		2:	0 LF	\$	0.13	\$	32,50
6	Simpston	Strong Bold 1/2"		8 EA	\$	1.35	\$	10.80
7							\$	
8							\$	•
9							S	81
10							\$	
				Materi	terials Subtotal:			3,430.24
Item	Fauinme	ent - itemized by equipment		Triuter	als D	abioidi	\$	3,430.24
1	Equipme	are remised by equipment					S	-
2							\$	
3				+	+		S	-
4				-	-		\$	-
5							\$	Ž.
							Ψ	
	Rent of Equipment Subtotal:						\$	
Item	V. 12.555		0	UOM		Unit Price		Post and an
1	Journeyn:	temized description	Quan 16	Hours	\$	117.11	S	Extension
2	General F		10	Hours	\$	139.38	\$	1,873.76 139.38
3	General	oreman	1	Hours	D.	139.30	\$	139.38
4				+	-		S	
5					-		\$	
,							φ	
Comme				Lat	or Si	ubtotal:	\$	2,013.14
Sumi		1017001		4 - 1 - 1 - 1 - 6 -	Land State	0-14-4-1	•	2 120 24
and the region of the state of					Materials before tax Subtotal Sales Tax			3,430.24
one of the new mini power centers with (1) 20A/2P CB, there is also another 20/2P Rent								317.30
	0A/2P CB, there is also another 20/2P Rent of Equipment Subtota CB added for spare. The other mini power Labor Subtota							2,013.14
1.011								
materials, Kelitar Equipment, Easter Business								5,760.68
Overhead and Front (Materials & Equipment)						15%		514.54
this panel we have the same breakers Overhead and Profit (Labor) 15% mentioned above.						15%	\$	301.97
Subcontractors Subtotal:							\$	6,577.00
Item	SubTier Contractors			Quote				
1								
2			\$					
3	Sacoud Ties Subcontractor(s) Subtotal						0	
	Second Tier Subcontractor(s) Subtotal: Profit at 5.00%:							. OF 1
						Subtotal:		-
Subcontractor + 2nd tier Subcontractor(s) Subtotal:  Total this Page:							\$	6,577.00
							\$	6,577.00
							0	0,577.00
				Total from Previous Pages				
			Bid No. 19/20-17	Proposal (	Franc	d Total:	\$	6,577.00
	itted by:	Chad Dillashaw	Change Order #01 PCO 05					



#### Detail Bill of Material

CHABOT COLLEGE BLDG 300 Project Name: General Order No: SSF1107044

Negotiation No: Alternate No:

0001

Item No.

Qty 2

Product

Dry Type Transformers

Description

Transformer Type: Mini Power Centers

1 Phase, 5 KVA, 1 K-Factor 480 Primary Volts

120/240 Secondary Volts Temperature Rise 115C **Aluminum Winding Material** Sound Reduction: 0

NEMA ST-20 Audible Sound Level: 45

UL Listed: Y

Enclosure Type: NEMA 3R Encapsulated

Operating Frequency: 60 HZ

Catalog No

P48G11S0512

Designation PC-C,PC-D

Qty **List of Materials** 

1 Phase, 5 KVA, 480 Primary Volts, 120/240 Secondary Volts, 115C

Temperature Rise, Aluminum Winding Material, 60 HZ

Item No.

Qty

Product

Description

**BR RESIDENTIAL BREAKERS** 

Type BR Breaker 15A/2 Pole 120/240V 10

Catalog No

BR215

Designation

PC-C, PC-D

Qty

List of Materials

Type BR Breaker 15A/2 Pole 120/240V 10 2

**Total Quote Price** 

\$3,320.00

No specs provided

Eaton Selling Policy 25-000 applies.

All orders must be released for manufacture within 90 days of date of order entry. If approval drawings are required, drawings must be returned approved for release within 60 days of mailing. If drawings are not returned accordingly, and/or if shipment is delayed for any reason, the price of the order will increase by 1.0% per month or fraction thereof for the time the shipment is delayed.

Seller shall not be responsible for any failure to perform, or delay in performance of, its obligations resulting from the COVID-19 pandemic or any future epidemic, and Buyer shall not be entitled to any damages resulting thereof.

All sales transactions are subject to credit approval. Any quotation and all transactions with Rexel are conditioned upon Rexel's Terms and Conditions of Sale located at http://www.rexelusa.com/terms. Quotation is valid for 30 days after the date of issue unless otherwise specified. Items subject to governmental tariffs effective on or after quotation will be price in effect at time of shipment unless otherwise specified. Quotation for commodity items is valid for the day of the quote only unless otherwise specified. All amounts quoted do not include state, local or municipal taxes. Taxes are added at time of sale.

Mike Angiola

Rexel Oakland Ca

07/31/2020 9:33 AM





# RFI 0011 - Power Voltage for Fan Coil Units

Status: Sent to reviewer

Due Date: Jul 24, 2020

#### Question

Alex Tellez (Rodan Builders Inc.) on Jul 9, 2020 at 11:21 AM PDT

Attached are submittals of the specified Mitsubishi unit and the submitted Samsung unit. Both are only offered in 208-230V. Both should require same electrical service/breaker size/wire gauge. Electrical and mechanical equipment schedules show the fan coils being 460V. Please review and advise with any impacts to the mechanical or electrical plans.

AM096FNHDCH+SUBMITTAL\_HSP\_012017A.pdf (See page 2)

PEFY-P96NMHSU-E\_Submittal.pdf (See page 4)

"See ASI #001". LS 7/17/20 Job Name:

Schedule Reference:

Date:



## **GENERAL FEATURES**

- · Single phase
- · Dual set point functionality
- · DC Motor
- Static Pressure Features
  - Adjustable up to 1"
  - No change in static pressure with voltage change
- · Side access control panel
- · Flexibility In duct configuration
- · Choice of fan speed

OPTIONS	
□ Joint Adapter (Port Connector)	CMY-R160C-J
n Drain pump	PAC-KE05DM-F
□ External Heater Adapter	CN24RELAY-KIT-CM3
☐ Filter Box (With 4" MERV 13 filter)	FBH4-4

## **SPECIFICATIONS**

Capacity*	
Cooling96,000 Btu	/h
Heating	/h
Power	
Power Source208 / 230V, 1-phase, 60 F	łz
Power Consumption	
Gooling0.82 k	W
Heating0.82 k	W
Current	^
Cooling	A
Heating4.89/4.43	A
Minimum Circuit Ampacity (MCA)8.2	A
Maximum Overcurrent Protection (MOCP) Fuse 15	А
External FinishGalvanized-steel Shee	t
External Dimensions	
Inches18-9/16 H x 49-1/4 W x 44-1/8	D
mm470 H x 1,250 W x 1,120	D
million and the specific state of the specif	
Net Weight	
Unit221 lbs / 100 l	ζg
Coil TypeCross F	in
(Aluminum Plate Fin and Copper Tub	ω) IIII
(Aluminum Plate Fin and Copper Tub	6)
Fan	
Type x QuantitySirocco Fan x	2
Airflow Rate (Low-Mid-High)2,048 - 2,507 - 2,966 CF	M
External Static Pressure 0.20-0.40-0.60-0.80-1.00 "W	G
(External static pressure is factory set to 0.60"Wo	3)
Motor	
TypeDC Brushless Moto	or
Refrigerant Piping Dimensions	
Liquid (High Pressure)3/8" / 9.52 mm (Braze	d)
Gas (Low Pressure)7/8" / 22.22 mm (Braze	d)
Drainpipe DimensionO.D. 1-1/4" / 32 m	
Diampipe Dimension	111
Sound Pressure Levels (Low-Mid-High)	
Low-Mid-High39 - 42 - 46 dB(	A)
그 사람들에게 가장 그 사꾸 가셨다면 하는데 가장 하는데 가장 하는데 사용하는데, 사람 기타 없는 것을 하는데,	

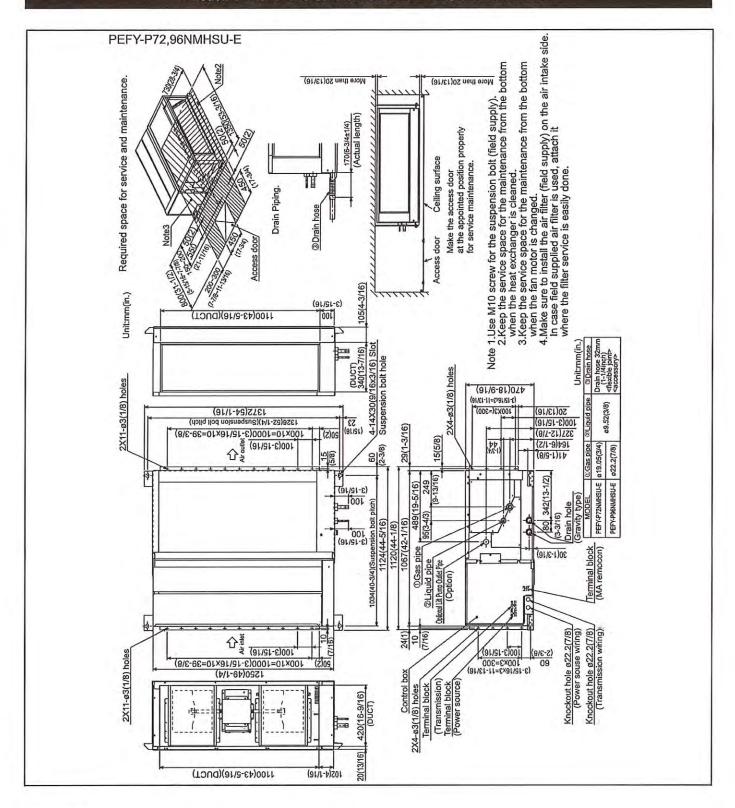
<sup>\*</sup> Cooling / Heating capacity indicated at the maximum value at operation under the following conditions:

Cooling: Indoor 80°F (27°C) DB / 67°F (19°C) WB, Outdoor 95°F (35°C) DB Heating: Indoor 70°F (21°C) DB, Outdoor 47°F (8°C) DB / 43°F (6°C) WB

Notes:



## Model: PEFY-P96NMHSU-E - DIMENSIONS







Bid No. 19/20-17

Change Order #01 PCO 05

## SAMSUNG

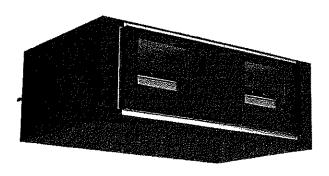
SUBINITIAL AIMIUSOFINIDULIAA

Samsung DVM S Series, HSP (High Static) Ducted Unit

Job Name	Location
Purchaser	Engineer
Submitted to	Reference Approval Construction
Unit Designation	Schedule #

Specifications

		Specifications	
	N	Cooling (Btu/h)	96,000 (74,000 SH)
Performance	Nominal Capacity 1	Heating (Btu/h)	108,000
	Condensate	Pints/Hour	24.3 (on high fan)
Power	Voltage	ø/V/Hz	1 / 208-230 / 60
rowei	Nominal Running C	urrent (A)	5,9
	Туре		Sirocco (2)
Fan	Motor	Туре	BLDC (1)
	IVIOIOI	Output (W)	400
Airflow	CFM (UL)	H/M/L	2,543 / 2,296 / 2,048
Airnow	Total CFM Range <sup>2</sup>		1,894 - 2,645
External Static	Standard	"WC	0.59
Pressure	Min. / Max.	"WC	0.20 - 1.10
Refrigerant	Туре		R410A
Treingerant	Control Method  Liquid (flare) Inches		Electronic Expansion Valve
<b>D</b>	Liquid (flare)	inches	3/8
Piping Connections	Suction (flare)	inches	7/8
	Drain Inches		OD 1 1/4, ID 1
	WXHXD	inches	48 13/16 X 18 1/2 X 40 15/16
Unit	Weight	lbs.	196
Dimensions	Duct Connections	Supply	46 3/4 X 15 5/32
	(inches)	Retum	46 3/4 X 15 1/16
Sound Level	H/M/L	dB	48 / 46 / 43
	Filter Box		FB-H7696
	Condensate Pump		MDP-N047SNC1D
A	External Contact Co	ontrol	MIM-B14
Accessories	Wireless Receiver I	Gt	MRK-A10N
	External Temperatu	re Sensor	☐ MRW-TA
**************************************	CN83 Pigtall (for 12	VDC VENT output)	☐ DB39-01263A
Safety Certificat	ions		ETL & ETLc



- Compatible with Samsung DVM S, DVM S Water, and DVM Eco systems (AM\*\*\*\*\*\*\*AAA).
- High-voltage terminal block temperature sensor to disable unit in the event overheating of power connection.
- Discharge air temperature sensor with target discharge temperature control capability

#### Construction

The unit shall be constructed of insulated, galvanized steel

#### **Heat Exchanger**

The heat exchanger shell be mechanically bonded fin to copper tube

#### Indoor Fan

Indoor fan is a centrifugal type with a single fan motor

Three fan speed settings and auto setting

Fan output can be configured during commissioning for various external static pressure ranges

## Controls

The unit shall be operated via a wireless or wired remote control with DDC type signal

The unit shall integrate with the Samsung NASA Controls Network Solution

Controls shall integrate with a BMS system

Control wiring shall be 2 X 16 AWG shielded wire

#### Air Filtration

Pressure drop across the filter must be factored into the total ESP.



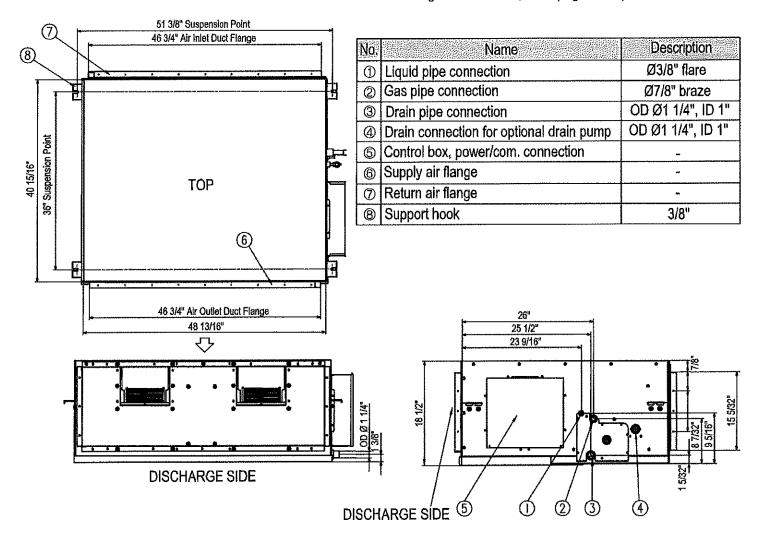
<sup>&</sup>lt;sup>1</sup> Nominel cooling capacities are based on: Indoor temperature: 80 °F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB. Nominal heating capacities are based on: Indoor temperature: 70 °F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

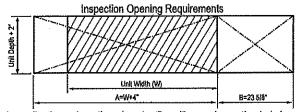
<sup>&</sup>lt;sup>2</sup> Refer to technical data book for fan performance details and settings

Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.

## SAMSUNG

# SUBMITTAL AMOSERNHUCH/AA Samsung DVM S Series, HSP (High Static) Ducted Unit

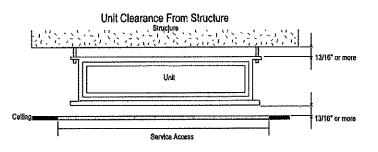


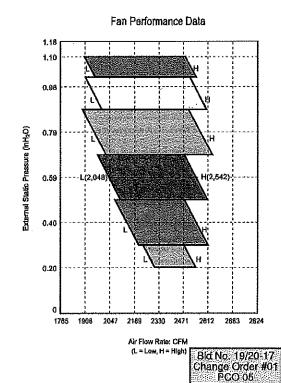


In applications where there is not a tile ceiling, an inspection hole is required.

If height between ceiling and structure is 3.25' or more, inspection opening "B" is recommended.

If height between ceiling and structure is less than 3.25', inspection opening "A" and "B" is recommended. (verify state and local codes).







## Chabot-Las Positas Community College District MPOE REPLACEMENT PROJECT

ASI#001

ATI Project No: C9506 Date: 7/17/2020

DSA File No: 1-C2 DSA App No.: 01-118445

The following changes, deletions, additions, and/or alterations in, on and to the drawings and specifications shall apply to proposals made for and to the execution of the various parts of the work affected thereby.

Careful Note of this Addendum shall be taken by all parties of interest so that the proper allowance may be made in all computations, estimates and contracts, and all trades affected shall be fully advised in the performance of the work which will be required of them.

In case of conflict between the drawings, specifications, and this Addendum, this Addendum shall govern. This Addendum supersedes all previous drawings, specifications, and instructions pertaining to these items.

## A. REVISED DRAWINGS:

- 1. Sheet E-311 BLDG 300 FLOOR PLAN-POWER & SIGNAL
- 2. Sheet E-400 BLDG 300 SINGLE LINE DIAGRAM
- 3. Sheet E-401 PANEL BOARD SCHEDULES

## B. REVISED SPECIFICATIONS:

Not Applicable

## D. NEW SPECIFICATIONS:

Not Applicable

## E. ATTACHMENTS:

## DRAWINGS (3 sheets)

E-311

E-400

E-401

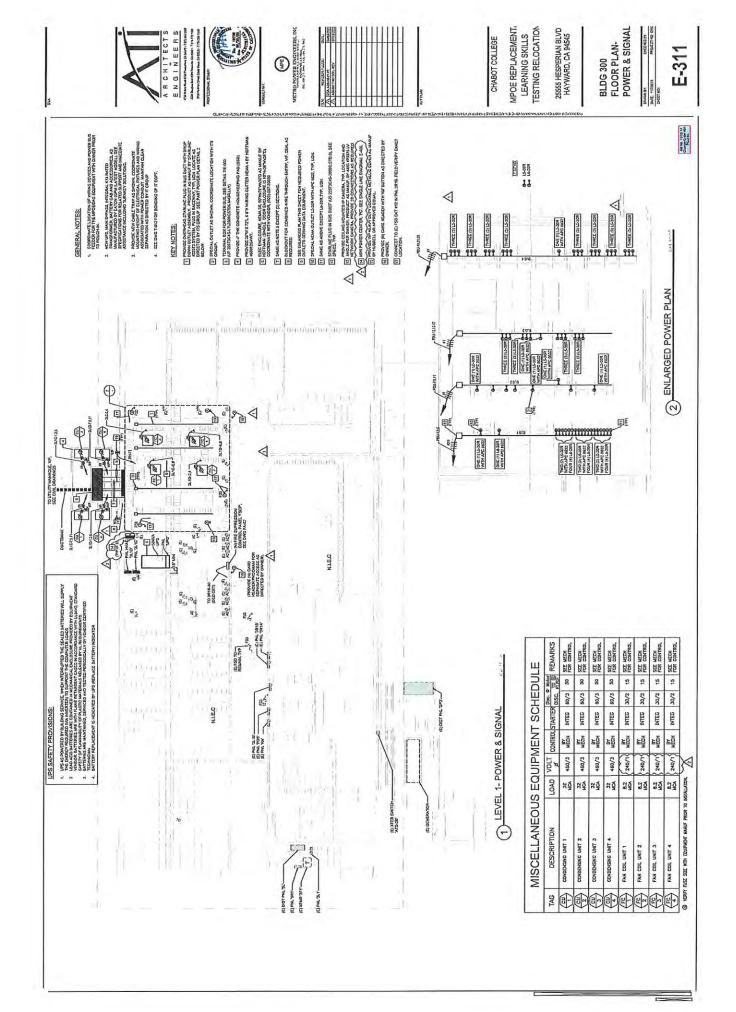
## **SPECIFICATIONS**

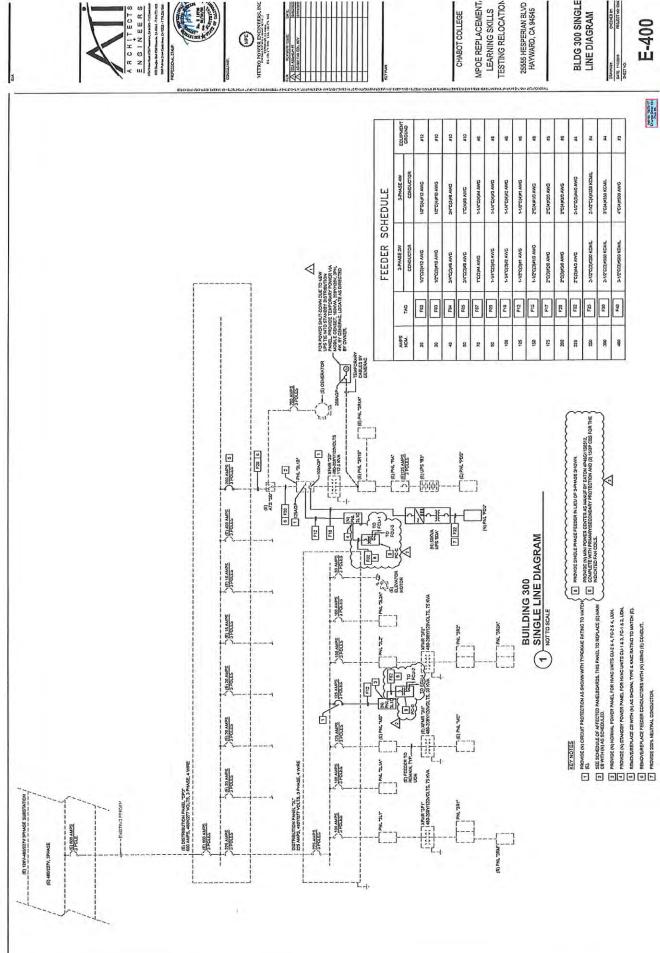
Not Applicable

4750 Willow Road, Suite 250 Pleasanton, CA 94588 T: 925 - 648 - 8800

END OF ASI-1

Bid No. 19/20-17 Change Order #01 PCO 05

















MPOE REPLACEMENT, LEARNING SKILLS TESTING RELOCATION CHABOT COLLEGE

BLDG 300 SINGLE LINE DIAGRAM







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TOTAL BAS KVA 2519 AMPS
WITHOUT DEMAND, 20KVA WITH DEMAND APPLED (RC.2N)

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MPOE REPLACEMENT, LEARNING SKILLS TESTING RELOCATION

25555 HESPERIAN BLVD HAYWARD, CA 94545

CHABOT COLLEGE

PANEL BOARD SCHEDULES

E-401





DATE:

8/13/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

FS System Modifications per RFI #15 and Revised Plans Received 8/10/20

PCO#:

06

Dear Peter,

Below is the cost to furnish and install six (6) additional sprinklers to MPOE Room, upsize 150ft of main piping from 2" to 2.5", and reroute 78ft of 1-1/4" piping. This proposal is per RFI response #15 and revised fire sprinkler plans received on 8/10/2020.

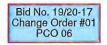
DESCRIPTION	Material	Labor	Sub		<b>Total Co</b>	st
Walschon Fire Protection						
FS System Modifications per RFI #15 and Revised Plans Received 8/10/20			\$	6,675	\$	6,675
SUBTOTAL					\$	6,675
Markup - Contractor					\$	668
Insurance - 1%					\$	67
Bonds - 1.5%					\$	100
TOTAL COST					\$	7,510

Feel free to contact me with any questions or concerns.

Sincerely,

Keith Reynolds Distally signed by Keith Reynolds Dist. G-1/S, C-1/S, C-1

Keith S. Reynolds Project Manager Rodan Builders, Inc.



2178 Rheem Drive, Suite A, Pleasanton, CA 94588 • LIC. #568438 • tel. (650) 594-1588 • fax (650) 594-1613 • EEO

## QUOTATION ....: AUTOMATIC FIRE SPRINKLERS

TO: Alex Tellez DATE: 8/11/20

COMPANY: Rodan Builders ESTIMATE # 200358CO1

PROJECT NAME: MPOE Replacement Bldg 300
PROJECT LOCATION: 25555 Hesperian Blvd., Hayward

Estimate Prepared by Jason Hudgins Cell: (925) 580-0053
PRICE BASED ON Current Revised Fire Protection Drawings

TYPE OF WORK Modification

PRICE INCLUDES Union labor and materials (tax included)

We propose to provide all labor & materials to perform the following scope of work at the above referenced project in the amount of

#### SCOPE OF WORK

- 1. Add (6) more sprinklers to MPOE room; (12) total
- 2. Upsize (150ft) Main Piping; from 2" to 2.5"
- 3. Reroute (78ft) 1-1/4" Piping as requested

## CLARIFICATIONS

- 1. This is a change order (CO1) from the original approved scope
- 2. This proposal is valid for 30 days and void thereafter.
- 3. All work to be performed during regular BUSINESS HOURS (8 Hrs. between 5:00AM to 5:00PM M-F)
- 4. Methods to be of current minimum NFPA13 and local AHJ standards.
- 5. All asbestos that employees may be exposed to shall be abated prior to Walschon commencing work.
- 6. Proposal based upon acceptance of attached Walschon Fire Protection insurance coverages/limits (additional coverage can be provided at additional costs). Please see the attached evidence of coverage.

## **EXCLUSIONS**

- 1. PERMIT FEES
- 2. 3-D Design & Drawings
- 3. Special Safety Training
- 4. Payment and Performance Bonds Add 1.08% to contract \$, If required
- 5. Electrical Wiring or Alarm Work
- 6. Cleaning, Priming, Painting or Insulation of Pipe
- 7. Cutting and Patching
- 8. Structural Calculations (if required)
- 9. Coring and/or Fire Stopping (if required)
- 10. Modification of Existing System other than Specified
- 11. Upgrade of Existing Hangers and Bracing
- 12. Title 19 Five-Year Test & Inspection
- 13. Relocation of Existing Piping to Accommodate other MEP Trades / Structural Upgrades
- 14. Repair of Existing System Due to (But Not Limited to) Damage Caused by Demo / Construction

\*Due to strict environmental requirements, it will be the owner's responsibility to ensure any fire sprinkler / system drainage is discharged to a proper location. Water in the fire sprinkler systems cannot go directly into the storm drains in California.

Please sign below, attach PO	Contract and return by fax or email for authori	zation to proceed with this project.
Signature	Print Name/Title	Date
Billing Information		P.O. # (if required):

We look forward to working with you on this project. Please contact me at the office with any questions.

#### Walschon Fire Protection, Inc. License # 568438- C16 Fax: 650-594-1613 2178 Rheem Dr. Suite A, Pleasanton, CA 94588 Phone: 650-594-1588 PROPOSED ESTIMATE JOB NAME: Chabot College, MPOE Room JOB# 200358 DATE: 8/12/2020 PCO#1 GC: Rodan Bullders

DESCRIPTION: Add (6) additional sprinklers to MPOE Room. Upsize 150ft of Main piping from 2" to 2.5". Reroute 78ft of 1-1/4" piping

	Lat	or Rate	\$0.00					
TAKE OFF QUANTITY	DESCRIPTION	иом	PRICE	LABOR UNIT	LABOR HOURS	LABOR EXTENSION	MATERIAL EXTENSION	EQUIPMENT EXTENSION
6	TYC TY-B 1/2 K5.6 155F BR UPSR TY315	EA	\$13,44	0	0.00	\$0.00	\$80,64	\$0.00
60	PIPE 1 X 10'6 S40 PE BLK DOM	FT	\$1.00	0	0.00	\$0.00	\$60.00	\$0.00
	PIPE 1-1/4 X 21' S40 PE BLK DDOM	FT	\$7.11	0	0.00	\$0.00	\$554.58	\$0.00
	PIPE 2-1/2 X 21' S10 RG BLK DDOM	FT	\$150.00	0	0.00	\$0.00	\$225.00	\$0.00
	TYC 577 RIGID CPLG PTD 1-1/4W/P-LUBE EPDM/	AEA	\$19.20	0.07	0.63	\$0.00	\$172.80	\$0,00

RATE #HRS LABOR EXT MATERIAL **EQUIPMENT** UOM DESCRIPTION \$4,200.96 \$4,200.96 HR \$131.28 \$510.72 Labor \$1,093.02 \$510.72

\$ 5,804.70 TOTAL DIRECT COSTS

OVERHEAD AND PROFIT MARKUP 15% \$ 870.71

TOTAL COST FOR THIS CHANGE \$ 6,675.41

#### PRICING VALID FOR THIRTY (30) DAYS. SUBJECT TO CHANGE PRIOR TO ACCEPTANCE.

By signing below, you acknowledge that the above described work shall modify the terms and conditions of the contract and that you are directing Walschon Fire Protection, Inc. to proceed with the work as described above.

You further agree to issue a valid change order within 10 working days of the completion of the above described work. In the

absence of a valid change order being issued, you acknowledge that the total cost of this change will be added to the next billing cycle as a valid claim.

Authorized Signature Date



# Walschon Fire Protection Sna.

2178 Rheem Drive, Suite A, Pleasanton, CA 94588 • LIC. #568438 • tel. (650) 594-1588 • fax (650) 594-1613

Labor Rates\_Contract PCO Rates

Effective: August 3, 2020 - August 1, 2021

	/General Foreman	/General Foreman	nan	,±	Foreman		Jou	Journeyman		Appı	Apprentice *5		Coordinator	17.7	Salety	(non)	(non union)	Prof	Professional Engineer	Engineer	ă	Designer / BIM Coordinator	3IM or		Admin	
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BASE RATE	77.31	115.97	154.62	15.31	112.97	150.62	68.31	102.47	136.62	36.85	82.28	73.70	62.00 9	97.50 13	130.00	90.00	135.00 180.00	00 130.00	_	00 260.00	00 78.00	-	156.00	52.00	78.00	104.00
SENEFITS	37.22	37.22	37.22	37.14	37.14	37.14	36.86	36.86	36.86	26.78	26.78	26.78	8.02	8.02	8.02	10.95	10.95	95 16.03	03 16.03	16.03	69 9 51	690		LF Y	6.41	11.3
(EMPLOYER PAID) Health & Welfare	10.18	10.18	10.18	10.18	10.18	10.18	10.18	10.18	10.18	10.18	10.18	10.18													1	1
Pension	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	12.10	12.10	12.10		-		-			-						1	
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NSURANCES	92.9	9.38	12.00	629	9.14	11.69	5.97	8.29	19.01	3.22	4.47	5.72	4.61	4.61	4 61	4 68	4 68	4 69	101 101	101	1, 45	110	110	12.	1	
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Worker' Comp Apprentice 1 & 2 5.71%												T		-	-	-	-			-	-				1	
Worker CompOffice 0.308%													0.20	0.20	0.20	0.28	0.28	0 38 0	0.40	0.40	AC 0 02.0	PC 0	24.0	21.0	21.0	0.16
GL / Prop. Lia, Umbrella 6.78%	5.24	7.86	10.48	5.11	7.66	10.21	4.63	6.95	9.26	2.50	3.75	5.00		-									-		27.0	3
Group Insurance 5 4.41		5											4.41	4,41	4.41	4.41	4,41	4,41	4,41	4.41	11 4,41	1 4.41	4.41	4.41	4.41	4.41
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SUBTOTAL	133.86	181.41	228.97	131,28	177.60	223.93	122.25	164.27	206.29	72.84	95.51	118.18	88.19 12	125.07 16	163 75 130	21 90 00	88 PCC 77 CLI	70 171 02	E3 TAT C3	222 00	10404	100 20	105.00	of the	201.00	100
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Profit 5%	7.87	10.67	13,47	7.72	10.45	13.17	7.19	9.66	12.13	4.28	5.62	6.95	5.19	7.41									11.51	4.20	86.5	776
	157.48	213.43	269.38	154.44	208.94	263.45	143.82	193.26	242.69	85.70	112.37	139.04	103.75 14	148.20 19	192.65 141	141.48 20	203.02 264.57	57 202.31	31 291.21	380.11	1 123,46	12	230,14	1 "	119.59	155.15
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(4) This rate does not apply for Prevailing Wage project 1) Time Off (or PTO) includes 10 vacation days and 10 holidays

(5) Other I&D: interest & depredation

2) Group Insurance includes company portion of costs only

3) Company vehicle expenses or personal vehicle allowance - excludes fuel and toll

Bid No. 19/20-17 Change Order #01 PCO 06



# RFI 0015.1 - Fire Sprinklers

Status: Sent to reviewer

Due Date: Jul 28, 2020

## Returned Message:

Alex Tellez (Rodan Builders Inc.) on Jul 30, 2020 at 8:04 AM PDT

Creating a revision to this RFI

## Question

Alex Tellez (Rodan Builders Inc.) on Jul 13, 2020 at 2:57 PM PDT

Please review and respond to item #2 on the RFI from our fire sprinkler Subcontractor. Confirm the hazard occupancy of the MPOE room.

Please review attached RFI from our fire sprinkler Subcontractor and advise.

RFI\_15\_RBI\_Fire Sprinklers.pdf (See page 2)

## Answer

Alex Tellez (Rodan Builders Inc.) on Jul 30, 2020 at 8:04 AM PDT

Please see attached RFI response #15 Fire Sprinklers.

RFI\_15\_IEI\_Fire Sprinklers.pdf (See page 8)



2178 Rheem Dr. Suite A Pleasanton, CA 94588 Ph: (650) 594-1588 Fax: (650) 594-1613 Email:cyrus@walschon.com From:Cyrus Lugtu

TO: Rodan Builders	DATE: 7.10.20	RFI NO: 01
FAX:	JOB NAME: MPOE Repl	acement Bldg 300
ATTN: Jeff Lovitt	JOB # 200358	

## REQUEST FOR INFORMATION

DRAWING REF: FP-201	COST IMPACT? Yes
SPECIFICATION REF:	TIME IMPACT? Yes
SHOP DRAWING REF: FP-1.1	RESPOND BY: ASAP

- 1. Design provided by EOR did not pass hydraulic calculations as you can see in the hydraulic information found in the shop drawing FP-1.1. A solution that I recommend in order for the system to work would be to upsize the main from 2" to 3" and relocate the main that enters the MPOE room to the middle of the room.
- 2. The MPOE room would be considered Ordinary Hazard Group 1 with 130 ft2 coverage for each sprinkler. The sprinkler heads in the design provided by the EOR does not meet spacing requirement for Ordinary Hazard Group 1. A solution that I recommend would be to add (4) additional heads in the room to meet spacing requirement.
- 3. The sprinkler heads in RM 308 have a spacing of 15'-8" between sprinkler heads, which can be seen on FP-201. I would recommend that we relocate the sprinkler heads to be within the 15'.

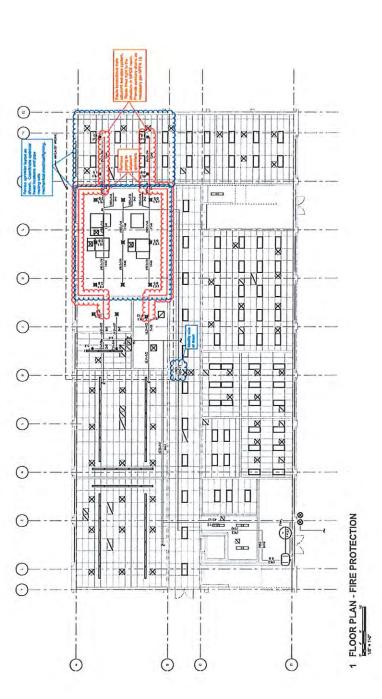
REPLY: RFI 15: The following revised floor plan with sketch will be provided as part of a CCD revising the fire protection design. 7/22/20

RFI 15.1: The mpoe ROOM should be considered Ordinary Hazard Group I. 8/3/20

ANSWERED BY: Ethan T. Brown, MEngFPE, EIT: DATE: 8/3/20

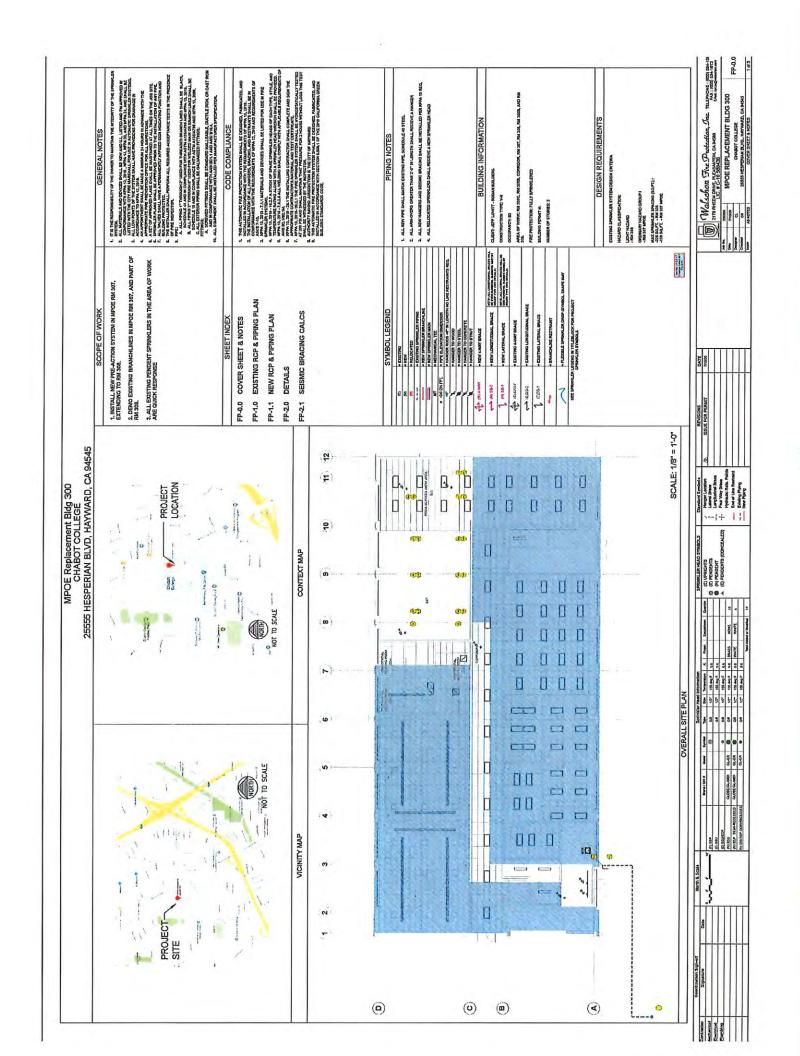
Bid No. 19/20-17 Change Order #01 PCO 06



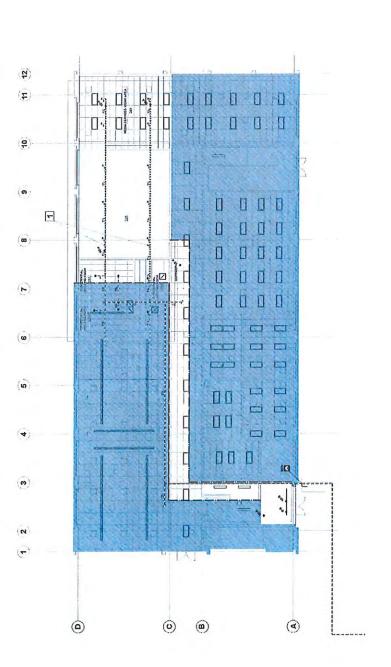


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1. DEMO (E) BRANCH LINES IN RM 307 AND RM 308



**EXISTING RCP AND PIPING PLAN - FIRE PROTECTION** 

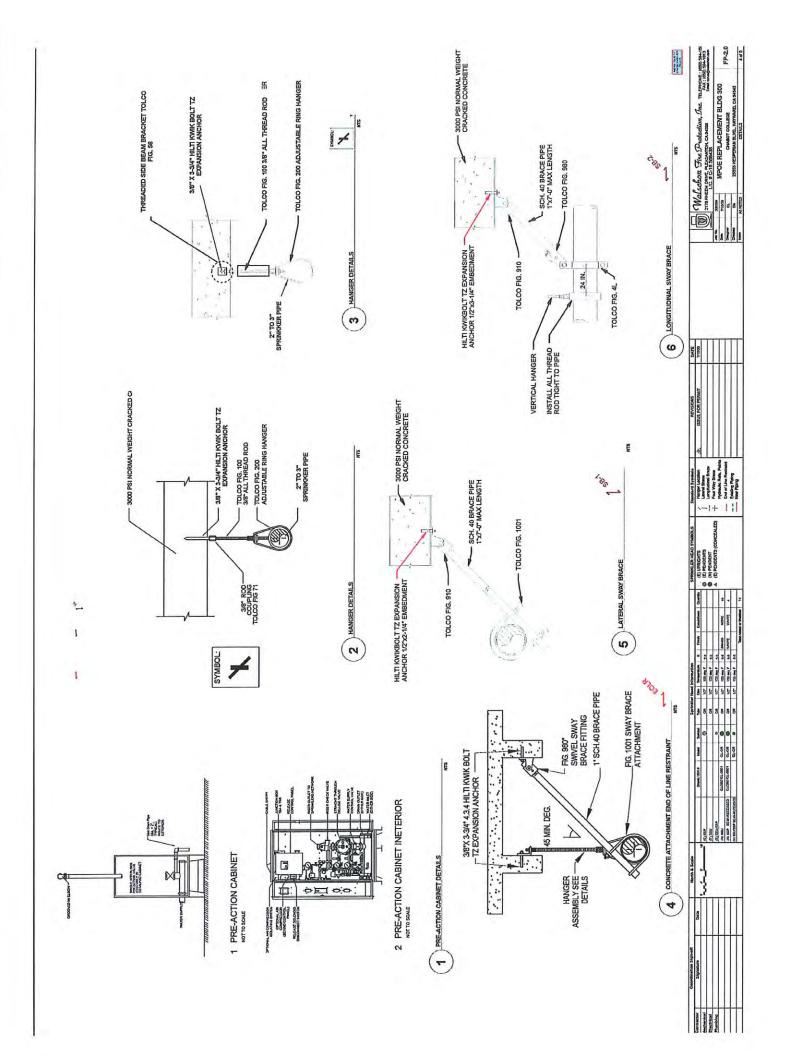
SCALE: 1/8" = 1'-0"

	9	TE T TOCKETTOR, JAC. TELEPHONE: (850) 594-151	100 CA		POE REPLACEMENT BLDG 300	CHASOT COLLEGE FP-1.0	ZZSSS HESPERAN ELVD., HAYMARD, CA 94545
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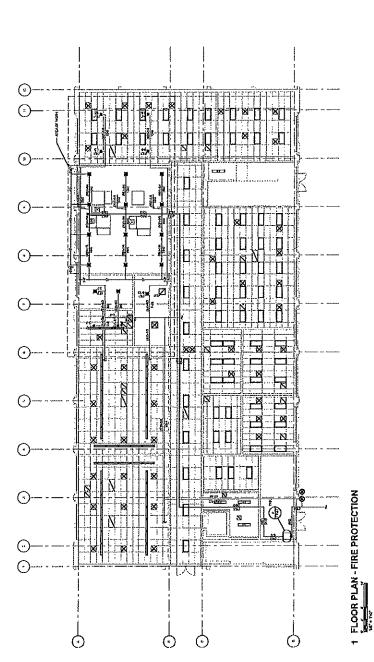
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25555 Hesperian Bird Haywerd, CA 94545

FP2.1

A SALE







DATE:

8/24/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

Revised Electrical Breaker Size per RFI #30

PCO#:

07

Dear Peter,

Below are the cost impacts to furnish and install a new 100A breaker In liue of 125A breaker on panels "3L" and "3L1B" per RFI response #30.

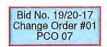
DESCRIPTION	Material	Labor	Sub		Total Co	ost
Beci Electric, Inc.						
Revised Electrical Breaker Size per RFI #30			\$	(1,449)	\$	(1,449)
SUBTOTAL					\$	(1,449)
Markup - Subcontractor					\$	(72)
Insurance - 1%					\$	(14)
Bonds - 1.5%					\$	(22)
TOTAL COST					\$	(1,558)

Feel free to contact me with any questions or concerns.

Sincerely,

Digitally signed by Kelth Reynolds Not Cells, Cells

Keith S. Reynolds Project Manager Rodan Builders, Inc.



# Time and Material Change Order Pricing

Address	Comp		Rodan Builders				300 N	MPOE Replacement
Drawing Number:   Description of Work:	Addre City, Telep	ess: State Zip:	Hayward, CA 94545		Date:	8/20/20	71 30	
Item								
Item   Materials - Itemized   Quan   Unit   Price   Extension	Draw	ing Numb	Description of Work:			Unit		
2   100.0 3 Pixelece (FD3100)   2   EA   \$ 535.00   \$ 1,070.00     4   #2 THEN (to panel 3L1C)   3-30   LF   \$ 0.48   \$ 153.60     5   #1 THEN (to panel 3L1C)   3-20   LF   \$ 0.48   \$ 153.60     6   #2 THEN (to panel 3L1D)   5-50   LF   \$ 0.48   \$ 153.60     7   8   8	Item	Material	s - itemized	Quan.	Unit	2 2 2 2 2 2 2		Extension
3 # 17HIN (to panel 3LIC)							\$	(1,620.00)
### 27HIN (to panel 3LLC) ### 27HIN (to panel 3LLD) ### 560 LF								1,070.00
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Materials before tax Subtotal: S					Labo	or Subtotal:	\$	4
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SubTier Contractors				Sub	contractors S	Subtotal:	\$	(1,449.00)
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Change Order #01				Bid No. 19/20-17			S	(1.449.00)
	Submi	tted by:	Chad Dillashaw	Change Order #01				1 - 1 - 1 - 1



## Quote# QT1-7931

Customer No.: #125

Bay Power San Jose 1095 N. 7th Street San Jose CA 95112

Phone: 408-998-2980 Fax: 408-998-2982

Quote To:

Beci Electric, Inc. 8108 Capwell Drive Oakland CA 94621 Ship To:

Beci Electric, Inc. 8108 Capwell Drive Oakland CA 94621

Date Lead Time Customer PO# Contact Shipping Method Sales Person
08/5/2020 Chad Evan Ewings

Qty	Item No.	Description	Condition	Unit Price	Amount
1	FD3200	CH CB 3P 200A 600V 35K @ 480V	NEW	\$985.00	\$985.00
2	FD3125	CH CB 3P 125A 600V 35K @ 480V	NEW	\$810.00	\$1,620.00
1	FD3100	CH CB 3P 100A 600V 35K @ 480V	NEW	\$535.00	\$535.00
1	SFHA36AT0250	GE CB 3P 250A 600V 35K	NEW	\$625.00	\$625.00
1	SRPF250A200	GE RATING PLUG 200A	NEW	\$65.00	\$65.00
1	SFAPNB	BP HARDWARE GE 250A APN-B SFHA SFLA SFDA	NEW	\$396.00	\$396.00
1	SFFP	BPI HARDWARE GE APN-B SFD1K KIT	NEW	\$195.00	\$195.00
				Subtotal	\$4,421.00
			Shi	pping Estimate	
				Tax (9.25%)	\$408.94
				Total	\$4,829.94

NOTES	
Chabot	Breaker

CYCALATUDE.	DATE:
SIGNATURE:	DATE.
	SIGNATURE:

ALL QUOTES VALID FOR 30 DAYS, Subject To Prior Sale. RETURN POLICY: All returns are subject to a minimum 25% restocking fee (depending on order) plus all freight charges. RGA's must be requested within 30 days of invoice date. NO RETURNS AFTER 30 DAYS WITHOUT PRIOR APPROVAL. Claims for shortages or damage must be submitted in writing within 5 days from receipt of material. Our liability is limited to replacing defective material or refunding invoice value. ONE YEAR REPLACEMENT WARRANTY UNLESS OTHERWISE STATED.





# RFI 0030 - New 125A Branch Breakers

Status: Sent to reviewer

Due Date: Aug 22, 2020

## Question

Alex Tellez (Rodan Builders Inc.) on Aug 7, 2020 at 1:40 PM PDT

See attached RFI from our electrical Subcontractor regarding the 125A branch breakers. Please review and advise.



RFI\_30\_RBI\_New 125A Branch Breakers.pdf (See page 2)



Be	i Flectric Inc.	■ 8137 Capwell]	Dr Oakland	CA 94621 1	510.635.1477	■ Fax 510
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New 125A Branch Breakers

REQUEST FOR INFORMATION

NO.

12

PROJECT:

20-1538

Chabot MPOE Replacement

DATE: 08/07/2020

TO:

Rodan Builders 859 Cowan Rd

Burlingame, CA 94010

Phone:650 508-1700 Fax:650-508-1705

## **REQUEST:**

Scheduling Impact:

Monetary Impact:

Per the single line diagram we are to install a new 125A branch breaker in panels "3L" & "3LB" to feed each of our new panels. After field verification of both existing panels it has been determined that the largest breakers these panels can accept would be 100A. There is slot in each panel that will accept a 125A subfeed breaker however those spaces are currently occupied with breakers that are being used.

The possible solutions are to either downsize the branch breakers to 100A or replace the 2 existing panels. This is a potential cost impact RFI.

Please advise.

## ANSWER:

USE 100A SUB FEED BREAKER WITH CORRESPONDING 100A FEEDER TO EACH NOTED PANELBOARD. PROVIDE DUE CREDIT TO OWNER.

Requested By:	Date:	08/08/20	
Signed:			



## 3486 Investment Blvd., Suite B, Hayward, CA 94545 \* P 650.508.1700 \* F 650.508.1705

DATE:

9/2/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

RFI 14 Added Card Reader at 307A

PCO#:

08

Dear Peter,

Per direction of RFI 14, below is the cost to furnish and install additional card reader at door 307A.

DESCRIPTION	Material	Labor	Sub		Total Co	st
Beci Electric						
RFI 14 Added Card Reader at 307A			\$	2,735	\$	2,735
					\$	
SUBTOTAL					\$	2,735
Markup - Contractor					\$	137
Insurance - 1%					\$	27
Bonds - 1.5%					\$	41
TOTAL COST					\$	2,940

Feel free to contact me with any questions or concerns.

Sincerely,

Digitally signed by Ke th Reynolds
ON: C-US.

Keith Reynolds Entrophistrodanbutters.com,
ON: Article 1990,000,001 11:50:45-0700

Keith S. Reynolds Project Manager Rodan Builders, Inc.

> Bid No. 19/20-17 Change Order #01 PCO 08

## Time and Material Change Order Pricing

Comp Conta Addre	ess: State Zip:	Rodan Builders Keith Reynolds 3486 Investment Blv Hayward, CA 94545 650-508-1700	rd. Suite B		PCO #:			MPOE Replacement
Draw	ing Numb	er: Desc	ription of Work:					
		. 20.0.40.4			YY14	Unit		44-1-24-2
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	i - 1				Materia	ls Subtotal:	\$	5.89
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Item	Labor - i	temized description		Quan.	UOM	Unit Price		Extension
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2							\$	-
3							\$	**
5							\$	ž.
3								
					Lab	or Subtotal:	\$	468.04
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				Sub	contractors S	Subtotal:	\$	546.00
					Quote			
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				\$	Quote	2,085.00		
1				\$		-		
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2				\$	Subcontracto	or(s) Subtotal:	\$	104.00
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2			Subcontra	\$	Subcontracto Pi Subcontracto	or(s) Subtotal: rofit at 5.00%: Subtotal: r(s) Subtotal:	\$	104.00 2,189.00 2,735.00
2			Subcontra	\$ Second Tier	Subcontracto Subcontracto  Tota	or(s) Subtotal: rofit at 5.00%: Subtotal;	\$ \$ \$	104.00 2,189.00

Submitted by: Chad Dillashaw

Change Order #01 -PCO 08



21 Parr

August 28, 2020

Project Manager

**Beci Electric** 

Mr. Chad Dillashaw

8108 Capwell Drive

Oakland, CA 94621

Boulevard

віспмоню

CALIFORNIA 94301

FACSIMILE:

510.233.2795

510.232.3205 TELEPHONE:

> Chabot College Building 300 - AMAG Card Access System Additions and Changes Re:

Dear Chad,

Electronic Innovations is pleased to have the opportunity to submit our proposal for your review and consideration regarding the subject project.

Electronic Innovations is a full-service organization. Since 1980, we have been engineering contractors specializing in the design, installation and maintenance of automatic entry control systems. Our professionalism, expertise, and technical support make the difference.

In the past, Electronic Innovations has worked at Chabot College on the AMAG system and we are also a certified installing dealer of the AMAG access control products.

I have reviewed the e-mail chain and photos you sent over and have created the following scope of work per location.

Door 305C: Remove existing proximity card reader and replace it with a proximity/keypad card reader and reprogram the AMAG software for the card reader type change for this door.

At this location, this door needs to operate independently of 307A. We will run new card reader and door control cable from the new card reader/keypad to the AMAG panel in the building and create a new card reader location in the door schedule of the AMAG software. The information provided describes only an electric strike present. We will provide all necessary accessories to make this a functional access control door.

Door 307A: Remove existing proximity card reader and replace it with a proximity/keypad card reader and reprogram the AMAG software for the card reader type change for this door.

Our price to provide the above is as follows:

Door 307A is \$2,085.00

Our pricing is based upon prevailing wage and certified payroll.



This pricing is based upon the following:

- 1. AMAG software having the reader capacity to add more readers
- 2. AMAG access control node having available port for Door 307B
- 3. Existing electric door hardware being functional with working power supply

Should any work not described above be necessary to comply with the District standards, this work will be considered a change order.

These prices include all necessary labor, materials, and applicable state and federal taxes to complete this installation.

The prices quoted are valid for 60 days from the date of this proposal. Terms: Work completed within a month will be billed at the end of the month (Progressive Billing). Progressive Billing will include invoicing of material staged at Electronic Innovations or its subcontractors for engineering or programming prior to onsite installation. Payment due upon receipt of invoice.

Electronic Innovations certifies that all equipment and material furnished shall carry a one-year warranty on parts and labor. Warranty begins upon beneficial use of system and/or components, or completion of system, whichever comes first. Damage to equipment or materials caused by negligence, misuse, vandalism, or acts of God, is not covered by this warranty statement. Buyer agrees to assume responsibility for equipment when delivered or installed at the site.

Your interest in Electronic Innovations is sincerely appreciated. If I may be of further assistance, please feel free to call upon me at any time.

Very truly yours,

Electronic Innovations, Inc.

Eric J. Bledsoe President

EJB:ras



# RFI 0014 - New Card Readers in Building 300

Status: Sent to reviewer

Due Date: Jul 25, 2020

## Question

Alex Tellez (Rodan Builders Inc.) on Jul 10, 2020 at 2:56 PM PDT

Sheet note 16 on E-311 provides direction to "Provide (N) Card Reader with 'RX' Button as directed by the owner".

There is no information provided in the plans and specs. as to the manufacturer or model of card reader, please advise.

In addition, there is no information as to new electrified hardware on doors 305C and 307B. Please advise.

Note, room 307 has existing key fob readers.

## History

## Question drafted and sent to reviewer

Alex Tellez (Rodan Builders Inc.) on Jul 10, 2020 at 2:56 PM PDT

· Question added:

Sheet note 16 on E-311 provides direction to "Provide (N) Card Reader with 'RX' Button as directed by the owner".

There is no information provided in the plans and specs. as to the manufacturer or model of card reader, please advise.

In addition, there is no information as to new electrified hardware on doors 305C and 307B. Please advise.

Note, room 307 has existing key fob readers.

- · Title added:New Card Readers in Building 300
- · Submitter added: Alex Tellez (Rodan Builders Inc.)
- · Manager added: Alex Tellez (Rodan Builders Inc.)
- · Number added:0014
- · Reviewer added:Peter Espinosa (STV Inc.)
- · Due date added:Jul 25, 2020

## RESPONSE:

Door 305C - provide card reader/key pad.

Door 307B - provide card reader/key pad, door position switch, REX motion detector and door strike.

Door 307A - provide card reader/key pad.

All products can be "or equal" as long as the card reader/key pad are compatible with the existing AMAG system.



## 3486 Investment Blvd., Suite B, Hayward, CA 94545 \* P 650.508.1700 \* F 650.508.1705

DATE:

10/2/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

RFI 26/CCD 1 Base Plate Credit

PCO#:

09

Dear Peter,

Per RFI 26/CCD1, below is the credit presented for elmination of six (6) base plates on T18 4 - post racks.

DESCRIPTION	Material	Labor	Sub		Total C	ost
Beci Electric RFI 26/CCD 1 Base Plate Credit			\$	(2,290)	\$	(2,290)
SUBTOTAL					\$	(2,290)
Markup - Contractor					\$	(115)
Insurance - 1%					\$	(23)
Bonds - 1.5%					\$	(34)
TOTAL COST					\$	(2,462)

Feel free to contact me with any questions or concerns.

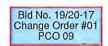
Sincerely,

Keith Reynolds

Distall/Equipment

Distall/Equipmen

Keith S. Reynolds Project Manager Rodan Builders, Inc.



## Time and Material Change Order Pricing

Comp Conta Addre	ct: ess: State Zip:	Rodan Builders Keith Reynolds 3486 Investment Blvd. Suite B Hayward, CA 94545 650-508-1700		PCO #: Date:	6 9/29/20		IPOE Replacement tes on 4-Post Racks
Draw	ing Numb	er: Description of Work					
Item	Material	s - itemized	Quan.	Unit	Unit Price		Extension
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					Unit		
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4						\$	1141.1
5						\$	
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Sumn	iary:						
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					evious Pages		(2 200 04)

Submitted by: Chad Dillashaw

Change Order #01 PCO 09 Proposal Grand Total: \$ (2,290.04)



Sasco 598 Gibraltar Dr. Milpitas, CA 95035

09/28/2020

Proposal for Change Order #02

TO: BECI Electric Inc

8108 Capwell Dr

Oakland, CA 94621

Re: Chabot MPOE Metal Plate Credit

JOB# D-CHMPOE

JOB NAME D-Chabot MPOE Replacement

DATE:

Attn: Chad Dillashaw

**MATERIAL EXPENSES:** 

1. Material Expense

2. Material Mark-Up Sales Tax

15.00%

9.75%

\$129.68

\$1,459.68

\$1,330.00

Subtotal 4.

3.

7.

5. **Total Material**  \$1,459.68

LABOR EXPENSES:

General Foreman 6.

3.5

3.5

@

@

hrs @ hrs @ \$98.49 /hr \$80.73 /hr \$344.72

\$282.56

Installer 8. Total Labor

\$627.27

\$199.50

9. Labor Mark-Up 15.00%

\$94.09 \$721.36

10. Total Labor 11. Grand Total

\$2,181.04

**CHANGE ORDER TOTAL:** 

\$2,181.04

## **DESCRIPTION:**

Credit (14) Metal Mounting Plates that were not needed.

@

**CHANGE ORDER TOTAL AMOUNT:** 

\$2,181.34

Sincerely,

Mike Cimino

Sr Project Manager

Mile Cimi

Sasco

408-649-4867

Bid No. 19/20-17 Change Order #01 PCO 09

MATE SHEET
277.32

ESTIMATED BY: Mike Cimino				CHECKED	BY						DATE:	9,	/28/2020
				MATERIAL						LABOR			
Anna and a second				Quantity	Uni	t Price	Unit	B/B		Amount	MH	Unit	Amount
Description	Color	MFG	Part Number	~ -									6
							430					100	
3/8" x 2/t 2-5/16" x 36" Metal Plate w-4ea 5/8" Holes		Signal	METAL PLATE	14	\$	95.00	ea		\$	1,330.00	0.5		7.0
					\$	4.7900	ea		\$	-			0.0
					\$	941	ea		\$				0.0
				9	\$	-	ea		\$				0.0
					\$	-	ea		\$				0.0
					\$		ea		\$	-			0.0
					\$	3.0	ea		\$	-			0.0
1 Termination & Testing:									\$	-			
2				1	\$	-	ea		S	-			0.0
3				0	S	-	ea		\$	-			0.0
4				0	\$	-			S				0.0
5				0	S	-			\$	7.7			0.0
6						TOTAL			\$	1,330,00			7.0



"The Silicon Valley's Most Trusted Provider of Telecommunications, Audio/Video, and Electrical Products."

# Quotation

Project	
Metal Plates	

Date	Quote #
8/12/2020	200812MB01

Company Name

Sasco and Sasco Data Systems
2750 Moore Avenue
Fullerton, CA 92833
Attn: A/P

Ship To
Sasco and Sasco Data Systems
598 Gibraltar Drive
Milpitas, CA 95035

Metal Plate 3/8" x 2ft 2-5/16" x 36" Metal Plate w-4ea 5/8" 14 95.00 2-3 Day Lead Holes Sales Tax 9.00%	Item	Description	Quantity	Cost	Availability	Total
	al Plate	Holes	14		2-3 Day Lead	1,330.007 119.70
QUOTE IS VALID FOR 30 DAYS  Total						

1917 Old Middlefield Way, Suite 7, Mountain View, CA 94043 Phone (650) 988-1849 | Fax (650) 988-1876



## RFI 0026 1 T18 4-Post Rack Base Plates

Status: Sent to reviewer

Due Date: Aug 19, 2020

#### Question

Alex Tellez (Rodan Builders Inc.) on Aug 4, 2020 at 2:24 PM PDT

RFI 26.1:

Please see attached RFI #26.1 that includes additional information regarding the loads for the racks.

RFI 26:

Please see attached RFI from our communications Subcontractor regarding the T18 4-post rack base plates per detail 11/S-501.

RFI\_26\_RBI\_T18 4-Post Rack Base Plates.pdf (See page 2)

see attached DSA Approved CCD 1



Sasco 598 Gibraltar Drive Milpitas, CA 95035 RFI# 03

Project: Chabot MPOE Repl Address: 25555 Hesperian Blvd

Hayward, CA 94545

Date:

August 4, 2020

Submitted To:

**BECI Electric** 

8108 Capwell Dr

Oakland, CA 94621

Contact Person:

**Chad Dillashaw** 

Phone/Email:

209-559-5689

Respond By:

August 3, 2020

Direct Response To:

Mike Cimino

No

Reference:

Drawing T-400 Detail 2 & S-501

Cost Impact:

140

Originator:

Mike Cimino - Sasco

Schedule Impact:

No

Subject:

T18 4-Post Rack Base Plates

Statement:

Drawing S-501 Detail 11 calls out for base plates to be installed on T18 4-post racks.

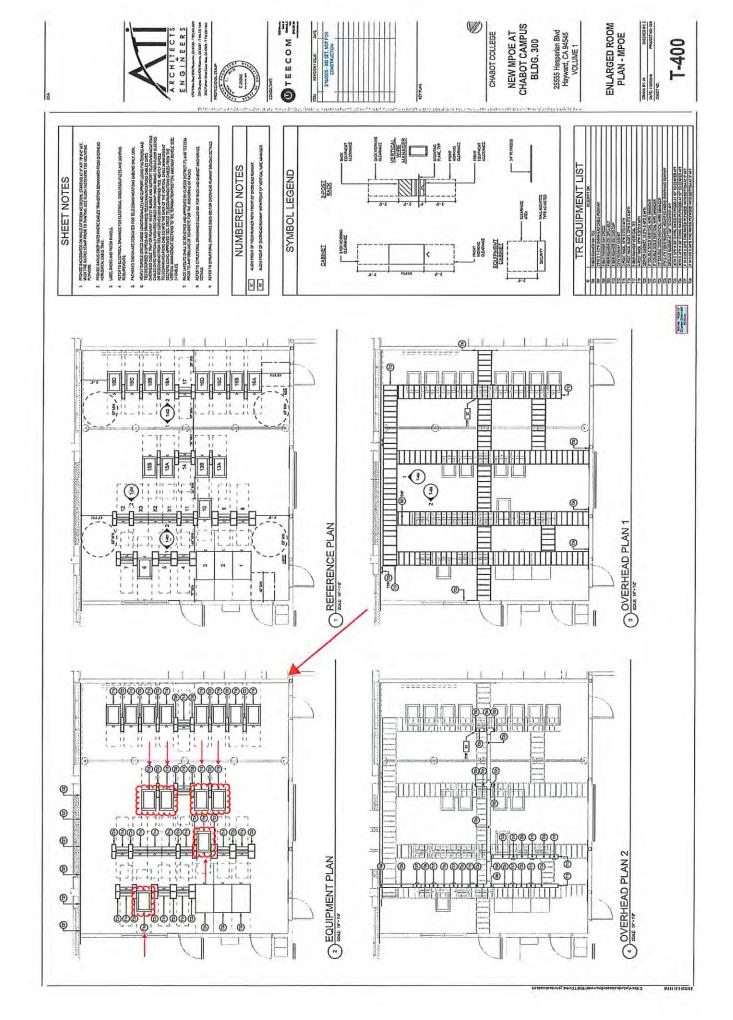
#### Question:

Are these "Base Plates" requires on the six (6) T18 4-post racks as indicated on attached drawing outside of the DAS aisle? These will have standard communications cabling and equipment.

#### **Proposed Solution:**

"Base Plates" are not required outside of the DAS Aisle.

4-Aug





Sasco 598 Gibraltar Drive Milpitas, CA 95035

## RFI # 03 Sup #01

Project:

Chabot MPOE Repl

Address: 25555 Hesperian Blvd

Hayward, CA 94545

Date:

August 5, 2020

Submitted To:

**BECI Electric** 

8108 Capwell Dr

Oakland, CA 94621

**Contact Person:** 

**Chad Dillashaw** 

Phone/Email:

209-559-5689

Respond By:

August 3, 2020

**Direct Response To:** 

**Mike Cimino** 

No

Reference:

Drawing T-400 Detail 2 & S-501

**Cost Impact:** Schedule Impact:

Originator:

Mike Cimino - Sasco

No

Subject:

T18 4-Post Rack Base Plates

Statement:

Additionally please see attached maximum weight to be in a T-18 Rack.

#### Question:

Are these "Base Plates" requires on T18 4-post racks now that the "Max" weight has been determined?

#### **Proposed Solution:**

"Base Plates" are not required.

4-Aug

#### TYPICAL MAXIMUM WEIGHT FOR A DAS 5G DEPLOYMENT RACK

QTY	MAN	DESCRIPTION	RU	WEIGHT EACH	TOTAL WEIGHT
		Infinity NES Flex DIN 4U Power System		0.4.0	400.0
2	GE	#NE075AC48ATEZ Infinity Rectifier	4U	94.0	188.0
1	TRIMM	747 Series Fuse Panel #7479104001	2U	5.0	5.0
1	Nokia	7705 SAR-8 (8-Slot Router)	4U	16.0	16.0
1	Ericsson	Ericsson Baseband 6630 KDU137848/11	1U	14.6	14.6
1	Ciena	3930 Service Delivery Switch	1U	11.0	11.0
2	GPS Antenna	NCD 901 56/1	1U	5.0	10.0
12	Ericsson	2203 Radios		9.9	118.8
1	Cisco	ASR 901 Router	1U		
1		Misc Hardware		40.0	40.0
	•		TC	TAL WEIGHT	403.39

GE Critical Power



# Infinity S-Flex DIN Power System

48V DC Power System



#### Overview

The Infinity S-FLEX DIN Rail DC power system is a modular power plant that supports -48V operation through the use of a comprehensive range of advanced rectifiers. The Infinity S-Flex Power System can support an output capacity up to 27kW and be equipped with one or two distribution heads.

## Shelf / Bay Options

Infinity S-Flex DIN Rail systems may be equipped in a 7ft 19" or 23" relay rack; a half height rack for mounting on battery stands; indoor or outdoor power cabinets; or mounting rails for field install applications. Each distribution module is 3U (133mm) tall and accommodates up to 26 load DIN breaker positions and up to 8 battery DIN breaker positions. A secondary distribution panel can be added to extend accommodate an additional 30 breaker positions, Universal shelves are 1U tall with three slots that accept any Infinity series rectifier. This allows the available slots to be filled with the mix of power modules desired. The only restriction is whether AC power or solar power is applied to each position. This gives the user the flexibility to provision the system with ECO sourced rectifiers now or in the future.

## Infinity Rectifier Family

The Infinity S-Flex DIN Rail system currently supports -48V rectifiers only. For easy module selection, the rectifiers are color coded to quickly identify voltage, module type and input voltage type (AC or Solar). Please see our other Infinity DC power system products for dual voltage applications.

## Galaxy Pulsar\* Family Controller

The Galaxy Pulsar family controller is used throughout many of the GE DC Power products including GPS, Infinity, CP, CPS and SPS with the only differentiator being the form factor which is scaled to meet the nature of the application. The controller utilizes standard network management protocols allowing for advanced network supervision with secure SNMP communications to deliver extensive monitoring and control features with both local and remote access.

## **Advantages**

- ECO Priority Source\* ready
- Multi-voltage power systems with ultimate flexibility
- -48V up to 27kW (500A)
- DIN rail distribution with optional critical load bus
- High availability wireless telecom applications
- Telecom service providers
- Efficiency approaching 97%

# Infinity Recifiers

- Compact 1RU form factor providing high power density (24 W/in³)
- · Plug and Play installation of the rectifier in a shelf connected to a compatible system controller initializes all set up parameters automatically. No adjustments are needed.
- Extended service life parallel operation with automatic load sharing ensures that parallel units are not unduly stressed even when a unit fails or is removed.
- · Monitoring / control the built in microprocessor controls and monitors all critical rectifier functions and communicates with the system controller using the built in Galaxy Protocol serial interface.
- · Fail safe performance hot insertion capabilities allow for converter replacement without system shutdown; soft start and inrush current protection prevent nuisance tripping of upstream breakers.



#### Applications

- · Telecommunications Networks
- · Digital Subscriber Line (DSL)
- · Indoor/Outdoor Wireless
- · Routers/Switches

- · Fiber in the Loop
- Transmission
- · Off-Grid/On-Grid Renewable **Energy Sites**
- Data Networks
- Distributed Antenna Systems

#### **Key Features**

- · Extended temperature range
- · Redundant fan cooling

Specifications

- · Front panel LED indicators
- · 1U height, hi power density
- · 220/110V AC input
- · Digital load sharing
- · Direct solar input (no inverter required)
- · Hot pluggable
- · RoHS compliant

Specifications		(3) @ 5.05 =15lbs
INPUT	NE050AC48ATEZ / NE050ECO48ATEZ	NEO75AC48ATEZ
Voltage Range	95-275Vac	95-305V
Input Current	15-12A @100-120Vac 15-12A @ 200-240Vac	15-12A © 100-120Vac 22-18A © 200-277Vac
Input Fraguency	45 - 66Hz	45 - 66Hz

0.98 @ >50% load 0.98 at>50% load Power Factor > 95% (Peak 95.7%) Efficiency > 96% (Peak 96.5%) <5% @loads over 50% Total Harmonic Distortion < 5% @ loads over 50%

ОИТРИТ	2725 WATTS	4085 WATTS
Voltage Adjust Range	42-58Vdc	42-58Vdc
Voltage Nominal	54.5V	54.5V
Regulation (with controller)	±0.5%	±0.5%
Ripple	100mVrms	100mVrms
Output Current - High-Line - Low-Line	57A @48V 50A @54.5V 22A @54.5V	85A @48V 75A @54.5V 22A @54.5V
Heat Dissipation @ max out	158W / 539 BTU/hr	249W / 850 BTU/hr

# Specifications (Cont.)

ENVIRONMENTAL		
Operating Temperature	-40°C to +75°C (-40°F to 2	167°F) Full capacity up to 55°C; output derates 2%/°C from 55°C to 75°C
Storage Temperature	-40°C to +85°C (-40°F to 2	185°F)
Humidity	< 95% non-condensing	
Altitude 4000M (for altitudes above 2000M, peak operating temperature de-rates 0.656  C /100N 4000M peak temperature rating is 62  C)		ve 2000M, peak operating temperature de-rates 0.656  C /100M; e rating is 62  C)
MECHANICAL		
Length (in. /mm)	13.85 / 351.8	
Width (in. /mm)	5.23 / 133	

1,63/42

5.05 / 2.2

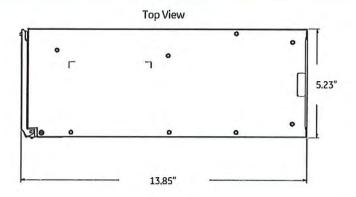
x 3 = 15 lbs

SAFETY AND STANDARDS	COMPLIANCE
NEBs Level 3 Evaluated by independent NRTL test lab to Telcordia GR63, Issue 3 & GR 1089, Issue 5	
Safety	CE mark to Low Voltage Directive 2006/95/EC and EMC Directive 2004/108/E (Rectifiers only) UL 60950-1, 2nd Ed. Recognized CSA C22.2 No. 60950-1-03 Certified
RoHS	Compliant to RoHS EU Directive 2002/95/EC; RoHS 6/6 models with Z suffix (RoHS 5/6 all other models)
EMC	European Directive 2004/108/EC; EN55022, Class A; EN55024; FCC, Class A; GR1089-CORE, Issue 5
ESD	EN61000-4-2, Level 4

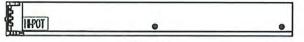
#### **OUTLINE DRAWING**

Height (in. /mm)

Weight (lb / Kg)









Front View

Side View

Rear View

## Pulsar Plus Controller

The Pulsar Plus family of controllers provides system monitoring and control features for Infinity, CP, and other power systems. These controllers monitor and control system components including rectifiers, converters, and distribution modules via a multi-drop RS485 digital communications bus. System status, parameters, settings, and alarm thresholds can be viewed and configured from the controller's front panel display. Assignment and configuration of alarm inputs and output relays can be



performed from a laptop computer connected to a local RS-232 or Ethernet port, or by remote access is through a secure network connection to the World Wide Web (internet) or your enterprise network (intranet). An optional modem is also available.

This controller utilizes standard network management protocols allowing for advanced network supervision. The GE Galaxy Manager\* software is the centralized visibility and control component of a comprehensive power management system designed to meet engineering, operations and maintenance needs. The Galaxy Manager client-server architecture enables remote access to system controllers across the power network, featuring ECO Priority advanced monitoring features which provides detailed energy source analysis to help better customize your renewable energy resources.

#### Applications

- · Telecommunications Networks
- · Digital Subscriber Line (DSL)
- · Indoor/Outdoor Wireless
- · Routers/Switches

- · Fiber in the Loop
- Transmission
- Off-Grid/On-Grid Renewable Energy Sites
- Data Networks
- · PBX

#### **Key Features**

#### Remote Access and Features

- Integrated 10/100Base-T Ethernet Network
  - TCP/IP with IPV6 Capability
  - SNMP V3 for management
  - SMTP for email
  - Telnet for command line interface
  - DHCP for plug-n-play
  - FTPS for rapid backup and upgrades
  - HTTPS for standard web pages and browsers
  - Compatible with Galaxy Manager and other management packages
  - Shielded RJ-45 interface referenced to chassis ground
- Password protected security levels: User, Super-User, Administrator for all access
- · Ground-referenced RS232 system port
- · ANSIT1.317 command-line interface
- Modem access support
  - Remote via external modem
  - Callback security
- EasyView2, Windows-based GUI software for local terminal or Modem access

- · ECO Priority controls and features
  - Advanced generator controls to help minimize fuel consumption for off grid applications
  - ECO Energy Management allowing for non-ECO sources outputs to be minimized while ECO resources are available
  - Source and load trend logging

#### Standard System Features

- Monitor and control of more than 40 connected devices
  - Robust RS485 system bus
- · Standard and user defined alarms
  - Alarm test
  - Assignable alarm severity: Critical, Major, Minor, Warning, and record-only
  - 10 alarm relays (7 user assigned)
- Rectifier management features
- Automatic rectifier restart
- Active Rectifier Management ARM (energy efficiency)
- Remote rectifier (on/off)
- Reserve Operation
- Automatic rectifier sequence control
- N + X redundancy check

- Multiple Low Voltage Load and Low Voltage Battery Disconnect thresholds
- · Configuration, statistics, and history
  - All stored in non-volatile memory
  - Remote/local backup and restore of configuration data
- · Industry standard defaults
  - Customer specific configurations available
- · Remote/local software upgrade
- · Basic, busy hour, and trend statistics
- · Detailed event history
- User defined events and derived channels

#### Standard Battery Management Features

- Float/boost mode control
- Manual boost
- Manual timed boost locally, T1,317, and remotely initiated
- Auto boost terminated by time or current
- · Battery discharge testing
  - Manual (local/remote)
  - Periodic
  - Plant Battery Test (PBT) input driven

#### Key Features (Cont.)

- Configurable threshold or 20% algorithm
- Graphical discharge data
- Rectifiers on-line during test
- · Slope thermal compensation
  - High temperature
  - Low temperature
  - Step temperature
  - STC Enable/Disable, low temperature Enable/Disable
  - Configurable mV/°C slopes
- · State of charge indication
- · High temperature disconnect setting
- · Reserve-time prediction
- · Recharge current limit
- · Emergency Power-Off input

#### Integrated Monitoring Inputs/Outputs

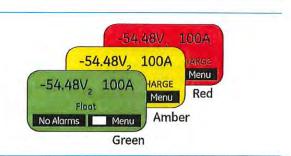
- System plant voltage (accuracy ±0.5%, resolution 0.01V)
- One system shunt (accuracy ±0.5% full scale, resolution 1A)
  - Battery or load
  - Mounted in the return side of DC bus
- · Up to 15 binary inputs
  - 6 inputs close/open to battery
  - 9 input close/open to return
  - User assignable
- Up to 7 Form-C output alarms (60VDC @ .5A)
  - User assignable
- 1-Wire™ bus devices
  - Up to 16 temperature probes (QS873)
  - Up to 6 mid-string monitors (ES771)

#### Galaxy Manager Compatible

- Centralized web server and database with multiple user access to live or managed data with drill down to problem details
- · Monitor and control of more than 40 connected devices
- · Management information from polling or alarms received from alarm traps from multiple sites are available on one screen via the inter/intranet
- · Trend user selected data over time
- · Automatic or manual report generation
- Standard engineering tools like reserve time calculators and cable voltage drop analyzer

## Specifications

GENERAL	
Operating Voltage	±24 Vdc, ±48 Vdc (Range: ±18 to ±60 Vdc)
Input Power	Less than 7W
Operating Temperature Range	-40°C to +75°C (-40°F to 167°F)
Operating Relative Humidity	0 - 95% (non-condensing)
Storage Temperature Range	-40°C to +85°C (-40°F to 185°F)
Physical Specifications	Sizes vary by packaging option
Display	8-line by 40-character with alarm context sensitive backlit LCD



SAFETY AND STANDA	RDS COMPLIANCE
NEBs	Evaluated by independent NRTL test lab to Telcordia GR63, Issue 3 and GR1089-CORE, Issue 5
Safety	CSA C22.2 No. 60950-1-03 Certified for Canada and U.S.; UL60950-1 1st Ed.
RoHS	Compliant to RoHS EU Directive 2002/95/EC RoHS 5/6
EMC	European Directive 2004/108/EC; EN55022, Class A, EN55024; FCC, Class A; GR1089-CORE, Issue 5

AGENCY CERTIFICATION	S	
NEBs Level 3	Evaluated by independent NRTL test lab to Telcordia GR63, Issue 3 and GR1089-CORE, Issue 5	
EMC	European Directive 2004/108/EC; EN55022, (CISPR22) Class A, EN55024 (CISPR24)	
Safety	Underwriters Laboratories (UL) Listed per Subject Letter 1801: Power Distribution Center for (CSA 22.2 950):	
	Safety of Information Technology Equipment	Bid No. 19/20

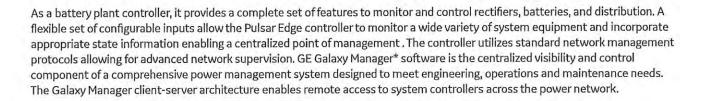
Change Order #01 PCO 09

# Pulsar Edge Controller

The SPS Pulsar Edge controller delivers large system intelligence in a small system form factor. This family of controllers functions as network interface cards (NIC) and as a full-featured battery plant controller. Its thin modular plug-in form factor minimizes shelf space consumption allowing maximum power module and distribution capabilities.

The controller is utilized in bulk power applications in data centers and enterprise applications. Ethernet connectivity with SNMP V3 facilitates secure remote network

management. Access through its front-accessible RS232 or USB port and aided by the EasyView2 graphical enables full user interface locally. Optional 1U display version allows convenient access to all controller functions without requiring external cable connections. The display also features alarm context sensitive backlighting for at-a-glance system status.



#### Applications

- · Telecommunications Networks
- · Digital Subscriber Line (DSL)
- · Indoor/Outdoor Wireless
- · Routers/Switches
- · Fiber in the Loop
- Transmission

- Data Networks
- · PBX

#### **Key Features**

Remote Access and Features

- Integrated 10/100Base-T Ethernet Network
  - TCP/IP with IPV6 Support
  - SNMP V3 for management
  - SMTP for email
  - Telnet for command line interface
  - DHCP for plug-n-play
  - FTPS for rapid backup and upgrades
  - HTTPS for standard web pages and browsers
  - Compatible with Galaxy Manager and other management packages
  - Shielded RJ-45 interface referenced to chassis ground
- Password protected security levels: User, Super-User, Administrator for all access
- Ground-referenced RS232 system port
- ANSIT1.317 command-line interface
- · Modem access support
  - Remote via external modem
  - Callback security

- EasyView2, Windowsbased GUI software for local terminal or Modem access
- Optional 1U display with alarm indicating backlight feature

#### Standard System Features

- Monitor and control of more than 40 connected devices
  - Maximum of 32 rectifiers
  - Maximum of 6 distribution control cards
  - Robust RS485 system bus
- · Standard and user defined alarms
  - Alarm test
  - Assignable alarm severity: Critical, Major, Minor, Warning, and record-only
- Rectifier management features
  - Automatic rectifier restart
  - Adaptive Rectifier Management (energy efficiency)
  - Remote rectifier (on/off)
  - Reserve Operation

- Automatic rectifier sequence control
- N + X redundancy check
- Multiple Low Voltage Load and Low Voltage Battery Disconnect thresholds (4)
- Configuration, statistics, and history
  - All stored in non-volatile memory
  - Remote/local backup and restore of configuration data
- · Industry standard defaults
  - Customer specific configurations available
- · Remote/local software upgrade
- · Basic, busy hour, and trend statistics
- Detailed event history
- User defined events and derived channels

#### Key Features (Cont.)

#### Standard Battery Management Features

- Float/boost mode control
  - Manual boost
  - Manual timed boost locally, T1.317, and remotely initiated
  - Auto boost terminated by time or current
- · Battery discharge testing
  - Manual (local/remote)

- Periodic
- Plant Battery Test (PBT) input driven
- Configurable threshold or 20% algorithm
- Graphical discharge data
- Rectifiers on-line during test
- · Slope thermal compensation
  - High temperature
  - Low temperature
  - Step temperature

- STC Enable/Disable, low temperature Enable/Disable
- Configurable mV/°C slopes
- · State of charge indication
- · High temperature disconnect setting
- · Reserve-time prediction
- · Recharge current limit
- · Emergency Power-Off input

#### Integrated Monitoring Inputs/Outputs

- System plant voltage (accuracy ±0.5%, resolution 0.01V)
- · One system shunt (accuracy ±1% full scale, resolution 1A)
  - Battery or load
  - Mounted in the return side of DC bus
- · Up to 15 binary inputs
  - 6 inputs close/open to battery
  - 9 input close/open to return (number is dependent upon number of output alarms)
  - User assignable
- Up to 6 user assignable Form-C output alarms (50VDC @.3A)
- 1-Wire™ bus devices
  - Up to 16 temperature probes (QS873)
  - Up to 6 mid-string monitors (ES771)

#### Galaxy Manager Compatible

- Centralized web server and database with multiple user access to live or managed data with drill down to problem details
- · Monitor and control of more than 40 connected devices
- Management information from polling or alarms received from alarm traps from multiple sites are available on one screen via the inter/intranet
- · Trend user selected data over time
- · Automatic or manual report generation
- Standard engineering tools like reserve time calculators and cable voltage drop analyzer

## Specifications

GENERAL	
Operating Voltage	±24 Vdc, ±48 Vdc (Range: ±18 to ±60 Vdc)
Input Power	Less than 7W
Operating Temperature Range	-40°C to +70°C (-40°F to 167°F)
Operating Relative Humidity	0 - 95% (non-condensing)
Storage Temperature Range	-40°C to +85°C (-40°F to 185°F)
Physical Specifications	1.75 in. H, 0.75 in. W, 8.00 in. D; 0.5lb
Display	8-line by 40-character backlit LCD
EMC	FCC/EN55022 Class A, CISPR22 Level A

AGENCY CERTIFICATIONS		
Electrostatic Discharge	EN 61000-4-2 level 4	
Radiated Emissions	FCC, Class A; EN 55022, Class A	
Safety	UL listed Component as Part of CPL or SPS Power System	

# Infinity S-Flex System

Infinity S-Flex can be configured as a -48V voltage power system. Infinity S-Flex is configurable from 150A with a single rectifier shelf and single distribution (22 Load /8 Battery) up to 500A with four rectifier shelves and two distributions (52 Load /8 Battery). The system includes optional low voltage battery disconnect, low voltage load disconnect, and low voltage load disconnect with critical load bus for load shedding to maintain critical loads.



#### Applications

- · Wireless Telecom Networks
- · Central Office
- · Indoor/Outdoor Wireless
- · Remote Radio Sites
- · Data Networks

· Off-Grid/On-Grid Renewable **Energy Sites** 

#### **Key Features**

- · Redundant fan cooling
- · Front panel LED indicators
- · 1U height, hi power density
- · 277/220/110 V AC input
- · Digital load sharing
- · Hot pluggable

- · RoHS 6 compliant
- · ECO Priority ready

## **Specifications**

INPUT	MIN	ТҮР	MAX
Voltage Range - High-Line - Low-Line	175Vac 85Vac	220Vac 110Vac	305Vac 140Vac
Frequency	45Hz	60Hz	66Hz
Power Factor	98%	99.5%	
Total Harmonic Distortion	5%		

PRIMARY OUTPUT	
Nominal Voltage	-48Vdc
Output (Power/Current)	500A / 27kW
Vo Setpoint (Factory)	-54,5Vdc±1%
Vo Range	-42Vdc to -58Vdc
Regulation	±0.5%

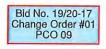
MECHANICAL		
Height (in, /mm)	17.5 / 445 (Full system with 4 power shelves) 7 / 178 (Basic system with single distribution and one rectifier shelf)	
Width (in. /mm)	19 / 484 (System Only) 23 / 584 (Mounted in Frame)	
Depth (in. /mm)	16.75 / 425 (No AC Cover) 18.75 / 476 (With AC Cover)	
Weight (lb / Kg)	78/35 (Base System with 4 power shelves) 190/86 (Base System in zone 47ft frame)	

# Specifications (Cont.)

ENVIRONMENTAL	
Operating Temperature	-40°C to +75°C (-40°F to 167 °F)
Storage Temperature	-40°C to +85°C (-40°F to 185 °F)
Relative Humidity	95% max, non-condensing
Altitude	4000M (for altitudes above 2000M, peak operating temperature de-rates 0.656  C /100M; 4000M peak temperature rating is 62  C)

SAFETY AND STANDA	RDS COMPLIANCE
NEBs	Evaluated by independent NRTL test lab to Telcordia GR63, Issue 3 and GR1089-CORE, Issue 5
Safety	CSA C22.2 No. 60950-1-03 Certified for Canada and U.S.; UL60950-1 1st Ed.
RoHS	Compliant to RoHS EU Directive 2002/95/EC RoHS 5/6
EMC	European Directive 2004/108/EC; EN55022, Class A; EN55024; FCC, Class A; GR1089-CORE, Issue 5

AGENCY CERTIFICATIONS	
CSA	CSA C22,2 No 60950-1-03 and UL 60950-1 1st Ed
EMI/EMC	European Directive 2004/108/EC; EN55022 (CISPR22) Class A; EN55024 (CISPR24)
NEBS LEVEL 3	GR1089-CORE, Issue 5





# **RADIO 2203**

The micro Radio 2203 is part of the Ericsson Radio System portfolio. Radio 2203 has best in class design, superior radio performance and power efficiency when it comes to medium range 3GPP radio products.

Radio 2203 has, by use of its small and smart dimensions, support for a wide range of mounting scenarios and has a pioneering flexibility within its product segment. With the Radio 2203, Ericsson evolves the micro radio portfolio to become even more flexible thus making it easier than ever to make small and efficient single and multi-band micro radio installations.

The Radio 2203 support installations with integrated or external antenna systems and can by use of the versatile optical CPRI interface be connected to any of the efficient Ericsson Baseband WCDMA or LTE modules by use of star or cascade configurations supporting multi sector and multi band.

Radio 2203 support WCDMA and LTE with two duplex TX/RX branches. The Radio 2203 support up to 4 WCDMA carriers or 40 MHz LTE as well as WCDMA and LTE mixed mode configurations.



On the right side you see a picture of the Radio 2203 mounted on a lamp pole. The picture beside it shows the back part of the Radio 2203, the support system in which the wall mount and pole mount are integrated.





## **Technical Specifications Radio 2203**

FREQUENCY BANDS

Bands: 3GPP Bands B1 (W/L), B3 (L), B3C (W/L), B8 (W/L), B66A (W/L), B5

(W/L), B2/B25 (W/L), B12 (L), B13 (L) and B7 (L)

**HW CAPACITY** 

Carrier capacity WCDMA: Up to 4 carriers

Carrier capacity LTE: Up to 40 MHz

IBW: B1, B3 and B66A 45 MHz. B2/B25 and B7 40 MHz. B3C, B8, B5, B12

and B13 Full band

MIMO: Yes, 2T/2R
Output power: Up to 2 x 5 W

INTERFACE SPECIFICATIONS

Antenna Ports: 2 x 4.3-10 (f)

CPRI: 2 x 2.5/5/10 Gbps (exchangeable SFP modules)

Optical indicators 6
External alarms 2
Field ground 1

MECHANICAL SPECIFICATIONS

W x H x D: 200 mm x 200 mm x 100 mm, including mounting bracket and esthetic

front cover

Weight: < 4.5 kg = 9.9 lbs

Volume: 4 I

Mounting: Wall and pole mount

**ELECTRICAL SPECIFCATIONS** 

Power Supply: -48 VDC or 100 - 250 VAC

**ENVIRONMENTAL SPECIFICATIONS** 

Normal operating temp.: -40 °C to +55 °C (cold start at -40 °C)

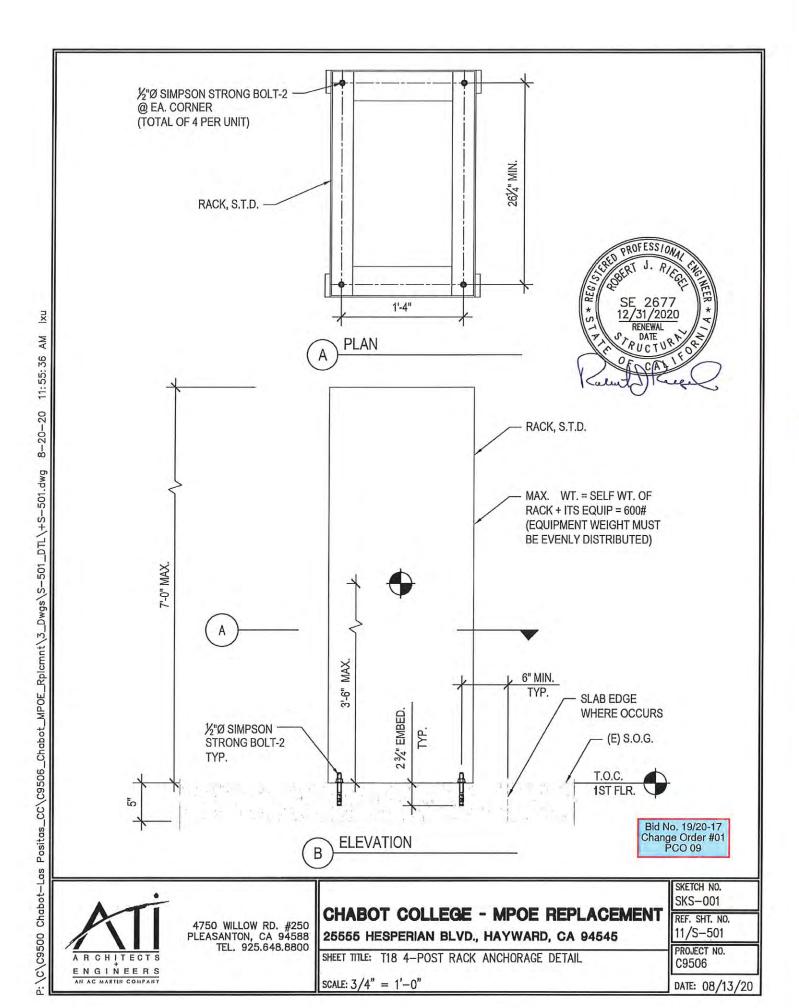
Relative Humidity 5 - 100%

Environment: Outdoor class with IP65

# APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval. 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, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

1. SUBMITTAL TYPI	E: (Is this a resubmittal? Yes	No[])		- 3	
eferred Submittal	Addendum Number:	Revision Number:	CCD N	Number: 001	Category A 🗸 or B
. PROJECT INFOR	MATION:				
chool District/Owner:	: Chabot Las Potias Community	College District		DSA File Num	ber: 1 C2
roject Name/School:	CHABOT MPOE Replacement			DSA Applicati	on Number 01 118445
APPLICANT INFO	DRMATION:			100	
ate Submitted: 08/1	8/20	Attached Pa	ges? No 🗌 Yes 🗸 Nu	umber of pages?	2
rm Name: ATI Arch	tiects and Engineers	Contact Nan	ne: Donna Foster		
ork Email: 925-648-	8800	Work Phone	(925) 648-8980		
irm Address: ATI Ard	chitectss and Engineers	City: Pleas	enton	State: CA	Zip Code: 94588
REASON FOR SU	BMITTAL: (Check applicable b	oxes)	The British		
For revision or adde	endum prior to construction.		✓ For	a project currently	under construction.
For a project that ha a 90-Day Letter issu	as a form DSA 301-N: Notification ied.	of Requirement for Certificat	ion, DSA 301-P: Pos	ted Notification of	Requirement for Certification
To obtain DSA appr	roval of an existing uncertified bu	ilding or buildings.			
For Category B CCI	this is: a voluntary submittal,	☐a DSA required submittal (	attach DSA notice re	quiring submission	1).
	SIONAL IN GENERAL RESPON	A CONTRACTOR AND A CONT			
Control of the second	rofessional In General Responsib	WENT CHENTEL			
rofessional License		Discipline: /	rchitecture		
corporation into the	e appropriate requirements of Title Instruction of the project.				ne, are acceptable is:
		ONAL IN GENERAL RESPONSIBLE	CHARGE		
	DESCRIPTION AND LISTING O	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND			
Design Professional list Use of Construction De	s, or CCDs: CHECK THIS BOX sted on form DSA 1: Application for ocuments Prepared by Other Pro licable, for signature and seal rec	or Approval of Plans and Spe fessionals, and IR A-19: Desi	cifications for this pro	ject. (For Deferred	Submittals, refer to IR A-18
ne district decided to r	tion of construction scope for this reduce the T18 rack capacity to 6 sign was revised. T18 rack anch	00 lbs and eliminate the base	plate for the T18 rac	k anchorage.	
ist of DSA-approved of	drawings affected by this post-ap	proval document:			
		DSA USE ONLY			
CA	0.001.0000		Returned		DSA STAMP
ssSA	Date8/21/2020 (Approved)	Disapproved Not Required	Date:		
omments:			Ву:		
_S	Date Approved	Disapproved Qot Required	4		
2-72 h 13 h 13	Date Approved	pisabbiosed dor vedalied			
omments:		-			
cs	Date Approved	Disapproved Ot Required			







DATE:

10/14/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

Revised Fire sprinkler Route per RFI #36/CCD2 Rev. 1

PCO#:

10R1

Dear Peter,

Below is the cost to update the fire sprinkler design to accommodate movement of pre-action cabinet and revised route per RFI response #36. This includes addition of six (6) additional sprinklers to MPOE Room, credit for 150ft of main piping, rerouting of 78ft of 1-1/4" piping. Update to sprinkler design to accommodate movement of pre-action cabinet; hydraulic calculations, bracing calculations and submittal preparation. Proposal includes scanning and coring of exterior wall for new drain line.

DESCRIPTION	Material		Labor		Sub		<b>Total Cost</b>	
cws								
Scan/Core Exterior Wall X1; 2"	\$	-	\$	-	\$	600	\$	600.00
Walschon Fire Protection								
RFI 36 Revised Fire Sprinkler Route	\$	-	\$	4	\$	(2,064)	\$	(2,064)
SUBTOTAL							\$	(1,464)
Markup - Subcontractor - 5%							\$	(73.18)
Insurance - 1%							\$	(15)
Bonds - 1.5%							\$	(22)
TOTAL COST							\$	(1,573)

Feel free to contact me with any questions or concerns.

Sincerely,

| Digitally a gned by Keith Reynolds | Digitally a gned by Keith Reynolds | Digitally a gned by Keith Reynolds | Challenge | C

Keith S. Reynolds Project Manager Rodan Builders, Inc.

#### Walschon Fire Protection, Inc. 2178 Rheem Dr. Suite A, Pleasanton, CA 94588 Phone: 650-594-1588 Fax: 650-594-1613 License # 568438- C16 PROPOSED ESTIMATE JOB NAME: Chabot College, MPOE Room JOB# 200358 DATE: 9/29/2020 PCO#2 DESCRIPTION: Add (6) additional sprinklers to MPOE Room. Credit for 150ft of Main piping. Reroute 78ft of 1-1/4" piping. Update Sprinkler Design to accommodate movement of Pre-Action Cabinet; Hydraulic Calculations, Bracing Calculations and Preparing Submittals Labor Rate TAKE OFF QUANTITY LABOR LABOR UOM DESCRIPTION PRICE UNIT HOURS EXTENSION EXTENSION EXTENSION 6 TYC TY-B 1/2 K5,6 155F BR UPSR TY315 \$13.44 0,00 \$80.64 \$0.00 EA \$1.00 \$0.00 60 PIPE 1 X 10'6 S40 PE BLK DOM 0.00 \$0.00 \$60.00 78 PIPE 1-1/4 X 21' S40 PE BLK DDOM 150 PIPE 2-1/2 X 21' S10 RG BLK DDOM \$0.00 FT 0.00 \$554.58 \$3.93 0 0.00 \$589.50 \$0.00 9 TYC 577 RIGID CPLG PTD 1-1/4W/P-LUBE EPDM/EA \$19,20 0,07 0.63 \$0.00 \$172.80 \$0.00 DESCRIPTION UOM RATE #HRS LABOR EXT MATERIAL **EQUIPMENT** Labor HR \$131.28 16 \$2,100.48 \$0 \$255.36 Design / Egineering / Coordination HR \$86.00 16 \$1,376.00 \$0 \$0.00 \$278.52 \$255.36 \$3,476,48 TOTAL DIRECT COSTS \$ 4,010.36 OVERHEAD AND PROFIT MARKUP 15% \$ 601.55 TOTAL COST FOR ALL CHANGES 4,611.91 PREVIOUS APPROVED CO1 6,675.41 DEDUCTIVE CHANGE ORDER AMOUNT \$ (2,063.50) PRICING VALID FOR THIRTY (30) DAYS. SUBJECT TO CHANGE PRIOR TO ACCEPTANCE. By signing below, you acknowledge that the above described work shall modify the terms and conditions of the contract and that you are directing Walschon Fire Protection, Inc. to proceed with the work as described above. You further agree to issue a valid change order within 10 working days of the completion of the above described work. In the

absence of a valid change order being issued, you acknowledge that the total cost of this change will be added to the next billing cycle as a valid claim.

Authorized Signature Date

## **Core Drilling - Wall Sawing Center Wall Seismic Drilling Wet or Dry** Slab Sawing **Wire Sawing**



C.L. # 253173

### PROPOSAL

80604

10/05/20 0

# Special Demo and Removal

PO Box 2419, San Leandro, CA 94577 (510) 483-8440 (510) 278-8822 (FAX)

#### Customer Information

RODAN BUILDERS INC. 3486 INVESTMENT BLVD. SUITE B HAYWARD, CA 94545

(650) 508-1700

(650) 508-1705

Job Information

Ordered By: Keith Reynolds

**Estimated Hours:** 0.00 600.00

PO #:

Date of Proposal: 10/05/20

Estimator: JIM

Job Site Information

Job Address:

Chabot College 25555 Hesperian Blvd.

Hayward, CA

(650) 867-0103 (C)

Map Code:

Jobsite: None

Foreman:

Elevation: 0 ft. Distance To Site:

Needed At Site

Water on Site

Unit	Price
	, this

Directions

proposal

EXCLUSIONS: Layouts, permits, patching, shoring, soft demo, excavation, all liability for any damage to concealed objects within the cutting, drilling, demolition or excavation depths requested, water or dust barriers, protection of existing surfaces, hazardous materials, stand-by-time, barricades, traffic control, water control, scaffolding or working platforms, core catching, re-drills, lane closures.

Any damage claim made, without exception, must be reported to our office within 48 hours after the damage was done and CWS reserves the exclusive right to inspect, repair or sublet repairs prior to accepting any back charges.

Any steel encountered in excess of #5 rebar both ways on 12" centers will result in additional charges.

Data obtained during radar scanning (GPR) can be inconclusive or inaccurate due to many factors such as vertical obstructions, too many metallic targets, targets that are too close together, radio interference, moisture content or concrete that is not fully cured.

CWS cannot guarantee that there are not any targets in the areas that are not marked out.

All insurance premiums have been paid for in advance; no credits will be provided for CCIP/OCIP participation.

Our liability and responsibility shall be limited strictly and solely to acts of omissions of our direct employees, anything in any pur Change Order #01 order or contract notwithstanding.

Bid No. 19/20-17



## APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

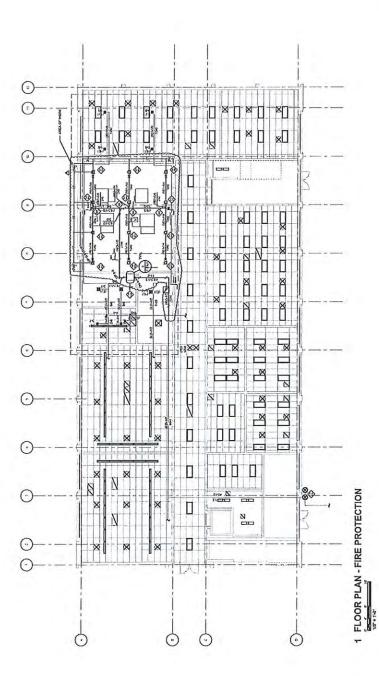
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DSA documents referenced within this form are available on the DSA Forms or DSA Publications webpages.

Firm Name: ATI Architects & Engineers  Work Email: dfoster@atiae.com  Work Phone: (925)  Firm Address: 4750 Willow Road Suite 250  City: Pleasanton  4. REASON FOR SUBMITTAL: (Check applicable boxes)  For revision or addendum prior to construction.  For a project that has a form DSA 301-N: Notification of Requirement for Certification, Da a 90-Day Letter issued.  To obtain DSA approval of an existing uncertified building or buildings.  For Category B CCD this is: a voluntary submittal, a DSA required submittal (attach DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:  Name of the Design Professional In General Responsible Charge: Anna Win  Professional License Number: C23260  Discipline: Archite  Design Professional in General Responsible Charge Statement: The attached post-app and appear to meet the appropriate requirements of Titte 24; California Code of Regulation incorporation into the construction of the project.  Signature:  DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.  CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:	Number of pages?  Ina Foster  648-8800  State: CA  For a project currently  A 301-P: Posted Notification of a	Zip Code: 94588  y under construction.  Requirement for Certification of
School District/Owner: Chabot Las Positas Community College Project Name/School: Chabot College MPOE Replacement  3. APPLICANT INFORMATION:  Date Submitted: 09/25/20  Firm Name: ATI Architects & Engineers  Contact Name: Do Work Email: dfoster@atiae.com  Work Phone: (925)  Firm Address: 4750 Willow Road Suite 250  City: Pleasanton  4. REASON FOR SUBMITTAL: (Check applicable boxes)  For revision or addendum prior to construction.  For a project that has a form DSA 301-N: Notification of Requirement for Certification, Do a 90-Day Letter issued.  To obtain DSA approval of an existing uncertified building or buildings.  For Category B CCD this is: a voluntary submittal, a DSA required submittal (attach 5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE: Name of the Design Professional In General Responsible Charge: Anna Win  Professional License Number: C23260  Discipline: Archite Design Professional in General Responsible Charge Statement: The attached post-appand appear to meet the appropriate requirements of Title 24; California Code of Regulation incorporation into the construction of the project.  Signature:  DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE  OCNFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:	DSA Application  OVYes Number of pages?  Inna Foster  648-8800  State: CA  W For a project currently  A 301-P: Posted Notification of a  DSA notice requiring submission  State: CA  DSA notice requiring submission  State: CA	Zip Code: 94588  y under construction.  Requirement for Certification of
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Professional License Number: C23260 Discipline: Archite  Design Professional in General Responsible Charge Statement: The attached post-approand appear to meet the appropriate requirements of Title 24; California Code of Regulation incorporation into the construction of the project.  Signature:  DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.  6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:	roval documents have been exa	mined by me for design intent
Design Professional in General Responsible Charge Statement: The attached post-approached appear to meet the appropriate requirements of Title 24; California Code of Regulation incorporation into the construction of the project.  Signature:  DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.  6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:	roval documents have been exa	mined by me for design intent
Design Professional in General Responsible Charge Statement: The attached post-app and appear to meet the appropriate requirements of Title 24, California Code of Regulation incorporation into the construction of the project.  Signature:  DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.  6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:	roval documents have been exa	mined by me for design intent
For addenda, revisions, or CCDs: CHECK THIS BOX □ to confirm that all post-approval do Design Professional listed on form DSA 1: Application for Approval of Plans and Specification	cuments have been stamped an	d Submittals, refer to IR A-18:
Use of Construction Documents Prepared by Other Professionals, and IR A-19: Design Pro Documents, when applicable, for signature and seal requirements.)	essional's Signature and Seal (S	Stamp) on Construction
Provide a brief description of construction scope for this post-approval document (attach ad	ditional sheets if needed):	
Relocation of pre-action fire system cabinet and fire sprinkler lines  List of DSA-approved drawings affected by this post-approval document:		
FP2.1		
DSA USE ONLY		
DOA GGE GNET	Returned	DSA STAMP
SSS SA Date 9/30/2020 Approved Disapproved Inot Required Date		
Comments:By:		APPROVED DE THE STATE ARCHITECT CO1-118445 INC:
FLSRCadotte Date 9/30/2020 Approved Disapproved Not Required Comments:	SS☑	
ACSDateDapproved	DATE	E: 09/30/2020









# RFI 0036 - Fire Sprinkler Routing

Status: Sent to reviewer

Due Date: Sep 17, 2020

#### Question

Alex Tellez (Rodan Builders Inc.) on Sep 2, 2020 at 3:24 PM PDT

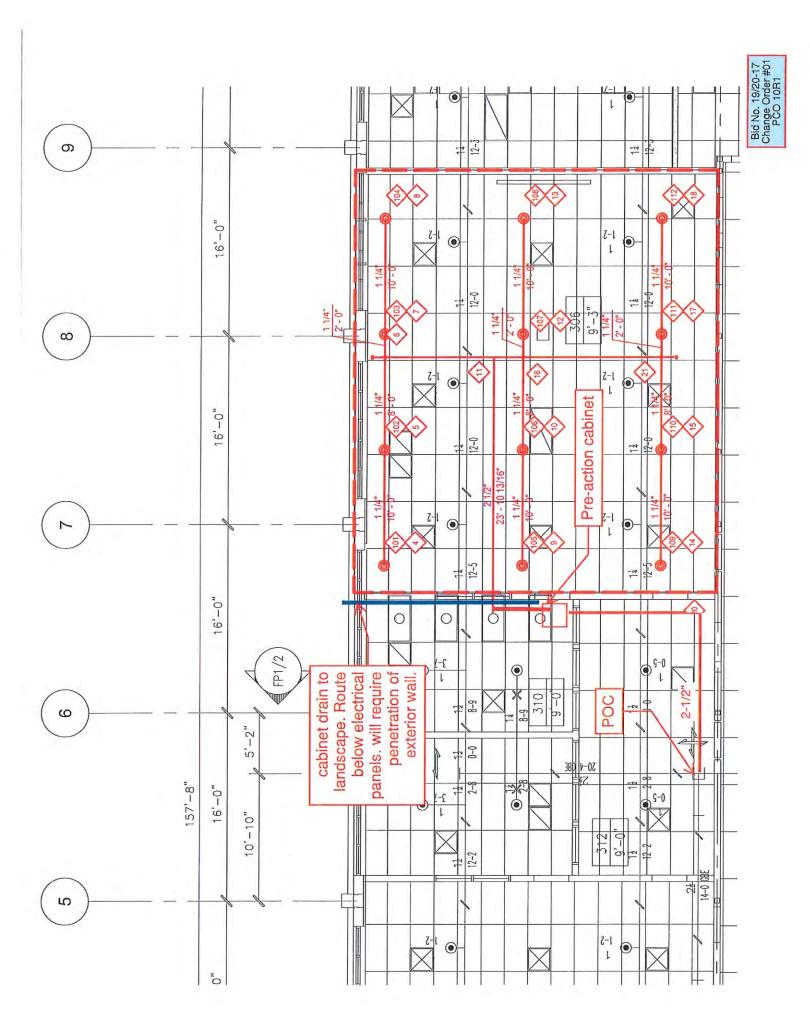
After inspecting above the main corridor ceiling it was noticed that the fire sprinkler line can not be routed through the main corridor as per design. This is due to many obstructions by existing MEP systems. Attached is a mark-up showing conditions above ceiling in the main corridor and in potential new route areas. Also in the mark-up we provide possible alternative routs for the new fire sprinkler system. We request an onsite meeting with the EOR to collaborate on an alternative route. Please advise.



RFI\_36\_RBI\_Fire Sprinkler Routing.pdf (See page 2)

The option accepted by the district is to locate the cabinet in the UPS room. See the attached sketch for the location. The pre-action cabinet can be connected to the existing 2-1/2" sprinkler line, no separate riser and main required. A CCD will be provided showing layout matching the sketch.

Jared Doescher, PE Ethan Brown IEI 9/21/20



Complete and

Potential new route

Potential preaction cabinet reloactation

1. (N) 1-1/4" PIPE TIED INTO (E) WET SPRINKLER SYSTEM 2. (N) 2-1/2" PIPE FROM PRE-ACTION SPRINKLER SYSTEM TIED INTO (E) MANIFOLD 3. (N) PRE-ACTION CABINET

Hydraulic	Hydraulic Information
OCCUPANCY CLASSIFICATION	Ordinary Group I
DENSITY (gpm/ft²)	0.15 for 1500.00ft (Actual 1061.66ft)
TOTAL HOSE STREAMS	250.00
DRY CAPACITY	59.50gal
TOTAL HEADS FLOWING	12
K-FACTOR	5.6
TOTAL WATER REQUIRED	490.32
TOTAL PRESSURE REQUIRED	66.207
BASE of RISER (gpm)	240.32
BASE of RISER (psl)	59.462
SAFETY MARGIN (ps)	+27,337 (29,2%)

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NEW RCP AND PIPING PLAN - FIRE PROTECTION

SCALE: 1/8" = 1-0"

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	Date							
Coordination Sign-off	Signature							

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Wal	escoor.	200177	d	8	
	300 110.	1	Designer	Charles	





DATE:

10/19/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

Revised Location of Clean Agent Tank per ASI 02

PCO#:

11R1

Dear Peter,

Below is the cost to update the clean agent fire suppression design to accommodate movement of the clean agent tank to the revised location per ASI 02. This includes addition of a new 360 degree nozzle, piping, hangers, and bracing to relocate the clean agent tank. Flow calculations and shop drawings will be revised for agent storage cylinder relocation as indicated on ASI 02. Additional fire alarm rough in materials are also included.

DESCRIPTION	Material	Labor	Sub		Total Cos	t
Beci Electric						
Revised Location of Clean Agent Tank per ASI 02	\$	- \$	- \$	4,427	\$	4,427
SUBTOTAL					\$	4,427
Markup - Subcontractor					\$	221
Insurance - 1%					\$	44
Bonds - 1.5%					\$	66
TOTAL COST					\$	4,759

Feel free to contact me with any questions or concerns.

Sincerely,

Digitally proped by Kenth Reynolds Online Calls.

Keith Reynolds E-Mynolds Gooderbusten.com, Chicketh Rynolds Oaks 2004 (6.19 13 50.59-0700)

Keith S. Reynolds Project Manager Rodan Builders, Inc.



## Time and Material Change Order Pricing

Comp Conta Addr City,	act: ess:	Rodan Builders Keith Reynolds 3486 Investment Blvd. Suite B Hayward, CA 94545 650-508-1700		Project: PCO # Date Description	7	75/20	300 N	MPOE Replacement
Drav	ving Numb	per: Description of W	ork:			Unit	_	
Item	Material	s - itemized	Quan.	Unit		Price		Extension
1	3/4" EM			LF	\$	0.72	\$	21.60
2		Γ Couplings		EA	\$	2.85	\$	11,40
3		Hole Strap		EA	\$	0.76	_	2.28
4	3/4" LB			EA	\$	5.85	\$	11.70
5	Wood Sc	rews	1	Lot	\$	5.00	\$	5.00
6					-		\$	
7 8					$\vdash$		\$	-
9							S	
10							\$	-
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2					1		\$	-
3							\$	- 3
4							\$	-
5							\$	- 64
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						Unit		
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1	General F		1	Hr	\$	139.38		139.38
2	Journeym	an	4	Hr	\$	117.11	\$	468.44
3					-		S	
5							\$	-
2							φ	•
Sum	mary:			Lab	or S	Subtotal:	\$	607.82
Sum	mury.		N-	terials befor		Coletatale	0	51.00
			IVIA	teriais befor		Sales Tax:	200	51.98 4.81
			Re	ent of Equip				7,01
						Subtotal:		607.82
			Materials, Rental E					664.61
			Overhead and Profit (Materials &			15%		7.80
			Overhead and Proverhead and Pr			15%		91.17
				contractors			\$	764.00
U. W.	a	a tile to the	540			otur.	Ψ	701.00
Item		Contractors	\$	Quote		3,488.91		
2	Battalion	Olic	\$			3,488.91		
3			\$			-		
			Second Tier	Subcontract	or(s)	Subtotal:	\$	3,488.91
						at 5.00%:	\$	174.00
						Subtotal:		3,662.91
			Subcontractor + 2nd tier S	Subcontracto	n'(s)	Subtotal:	\$	4,426.91
			partonniarion , mile noi c					
			gapeointable y and the a			is Page:		4,426.91
					ul th	is Page:		

Submitted by: Chad Dillashaw

Bid No. 19/20-17 Change Order #01 PCO 11R1

Proposal Grand Total: \$ 4,426.91



RE: MPOE Replacement Chabot College 25555 Hesperian Blvd Hayward CA BECI Electric, INC 8108 Capwell Drive Oakland, CA 94621 10/01/2020 Estimate # SPN100120-CO01

#### - Scope of work / Clarifications/ Change Order #01

- o This change order provides the following in addition to the base scope of work.
  - Revised flow calculations due to clean agent storage cylinder relocation as indicated on F-121
  - Revise shop drawings.
  - Supply one 360-degree nozzle
  - Supply and install additional suppression piping, hangers, and bracing

ITEM	MATERIAL/LABOR	QUANTITY	UNIT PRICE	EXTENDED PRICE
1	360 Degree Nozzle	1	\$335.00	\$335.00
2	2.5 PIPE SINGLE 10' LENGTH	1	\$85.00	\$85.00
3	SEISMIC BRACING	2	\$50.00	\$100.00
4	PIPE FITTINGS	1	\$20.00	\$20.00
4	PIPE HANGERS	3	\$25.00	\$75.00
	MATERAL SUBTOTAL			\$615.00
1	RECALC SERVICE	1	\$235.20	\$235.20
2	DESIGN/SHOP DRAWINGS	3	\$159.57	\$478.71
3	FITTER LABOR	12	\$180.00	\$2,160.00
	LABOR SUBTOTAL			\$2,873.91
	TOTAL		1	\$3,488.91

Total Price Change Order 01 (Price is in addition to Original Quote) \$3,488.91

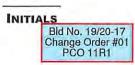
(Three Thousand Four Hundred Eighty Eight Dollars 91/100 cents)



RE: MPOE Replacement Chabot College 25555 Hesperian Blvd Hayward CA 10/01/2020 Estimate # SPN100120-CO01

#### **Exclusions:**

- Additional time required at submittal and/or repeat trips to the building department due to any issues beyond the scope of this proposal. Permit
  and fees allowance includes 3 hours for submittal and plan review. Any additional time required to resolve the issues before receiving approval of
  the AHJ that results in exceeding 3 hours will be billed according to our normal rate schedule and may be subject to overtime and/or double time
  charges.
- Quality of performance of the specified and/or designed system rests solely with the AHJ and installing contractor. Battalion One Fire Protection
  holds no liability for whether the protection of the installed and approved system is adequate and assumes no responsibility for loss of property
  and/or lives within the space due to a fire.
- The discovery of corrosion (microbiological type or otherwise) requires the affected pipe to be flushed and/or replaced. If corrosion is discovered
  within pipe and/or other system components not already being replaced as part of this project, all parties will be notified promptly.
  Flushing/repair/replacement will be subject to additional costs.
- California Title 19 requires regular inspection of sprinkler systems to be performed and documented, both on inspection report forms and by the
  use of certification stickers indicating the type of inspection and date performed (placed when/if the system or systems pass inspection). If the work
  being performed under this proposal requires a permit, lack of documentation of passing regular inspections may delay the closing of the permit
  until documentation is provided and/or the necessary inspection(s) performed.
- During the process of performing inspections, repairs and/or modifying fire sprinkler and standpipe systems it may be necessary to flow water for
  testing, draining and/or refill of the systems(s), and the points where water flows from the system(s) may be located outside, on the roof and/or
  inside the building. The building owner and/or management is/are responsible for ensuring that any drainage system(s) that will be needed to carry
  away the water discharged is/are maintained and capable of handling the quantity and flow rate of the water. Battalion One Fire Protection is not
  responsible for damages and/or losses due to leakage or failure of any drainage system(s) and/or building structures affected by pooling water due
  to failure of any drainage system(s).
- Any work not specifically included in the project scope
- Fire caulking of any required penetrations through fire-rated assemblies
- · Third party inspections or inspection costs
- Capturing and/or treating any water that may be discharged during flushing, draining, etc. if required or requested by the AHJ
- Repair of any leaks, damages and/or faulty equipment found during or caused by the work being performed by Battalion One or any others during
  the execution of the work outlined in the project scope above.
- Fire Watch
- Acts of God
- · Any unforeseen condition in concealed location i.e. behind walls or underground that are above and beyond our scope of originally quoted work
- · Fire service water supply and any associated fees
- Backflow preventer reduced pressure principal or otherwise, unless specifically included in the project scope.
- Central station alarm service and associated materials
- · Structural calculations of any nature
- · Cutting and/or patching of any new or existing structure or finished surfaces required
- · Ceiling removal or replacement
- Protection or covering of items located in the workspace
- Repair or repair costs of damages to walls, ceilings, carpeting, fixtures, furniture, etc. due to the customer's neglect of properly protecting these items within the workspace.
- Bonding
- Insulation or heat protection of piping or valves
- · Freeze protection of any portion of the system
- Debris container rental or associated fees, unless specifically included in the project scope
- Temporary water or associated fees
- Overtime, holiday, weekend or shift work, unless specifically included in the project scope
- "Time is of the essence" requirements
- Project specification requirements
- Requirements of insurance underwriters





	ASI
ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS	NO.:
THE CONTRACT OF STATE AND	02

PROJECT:	Chabot College MPOE Replacement 25555 Hesperian Blvd. Hayward, CA 94545	DATE: ATI PROJECT NO.:	10/2/2020 C9506
OWNER:	Chabot Las Positas CCD 7600 Dublin Blvd. Dublin, CA 94568	DSA FILE NO.: DSA APP. NO.:	1-C2 01-118445

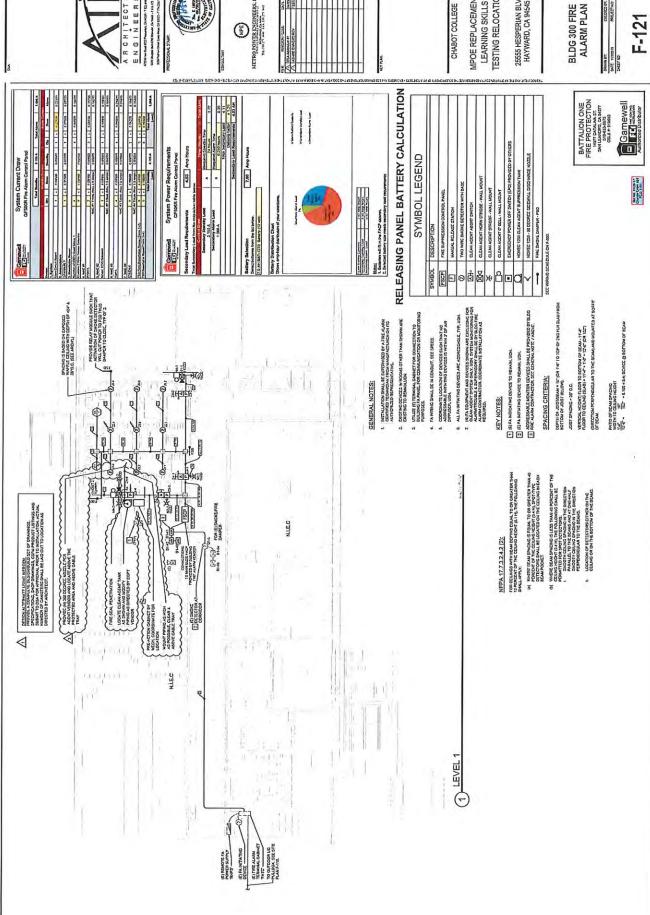
The Work shall be carried out in accordance with the following supplementary instructions issued in accordance with the Contract Documents. If a change in Contract Sum or Contract Time is anticipated, submit a proposal for the work before proceeding with the change. Proposal shall be submitted within 5 days from the date of this document.

#### DESCRIPTION REFERENCE

 Revise location of clean agent tank to UPS Room, modify piping and placement of nozzle as depicted Blg. 300 Fire Alarm Plan. Fire Alarm vendor to provide piping pressure calcs. Sht. F-121

ENGAGING INDOVATIVE Architecture MINDS

4750 Willow Road, Suite 250 Pleasanton, CA 94588 T: 925 - 648 - 8800





(a)

NETROPONER ENGINEERS, IN



LEARNING SKILLS TESTING RELOCATION MPOE REPLACEMENT

25555 HESPERIAN BLVD HAYWARD, CA 94545

BLDG 300 FIRE ALARM PLAN



F-121





DATE:

10/9/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

RFI 44 District Standard Fiber Strand Fusion Terminations

PCO#:

12

Dear Peter,

Per RFI 44 response, spec. section 27 1323.2.04.5, calls out for fiber to be terminated on commscope P6001B-Z-125 SC type fiber connectors. Typical campus fiber termination method is fusion splicing the fiber onto preterminated LC SM pigtails. Below is the cost to install SM SC pigtails, Ccommscope #ACGSFUCNC. All fiber strands of backbone cable shall be fusion spliced to these pigtails.

DESCRIPTION	Material	Labor	Sub		<b>Total Cost</b>	
Beci Electric						
RFI 44 District Standard Fiber Strand			\$	3,713	\$	3,713
					\$	-
SUBTOTAL					\$	3,713
Markup - Subcontractor					\$	186
Insurance - 1%					\$	37
Bonds - 1.5%					\$	56
TOTAL COST					\$	3,991

Feel free to contact me with any questions or concerns.

Sincerely,

Digitally signed by Keith Reynolds Ok C-US.

Keith Reynolds E-trapschis@codanbusters.com, Chikidin Reynolds Date: 2020, 10.09 10:12:56-07:00

Keith S. Reynolds Project Manager Rodan Builders, Inc.



# Time and Material Change Order Pricing

Comp Conta Addre	ct: ss: State Zip:	Rodan Builders Keith Reynolds 3486 Investment Blvd. Suite B Hayward, CA 94545 650-508-1700		PCO #: Date:	8 10/7/20		APOE Replacement - Fiber Terminations
Draw	ing Numb	per: Description of Wor	k:				
				TT14	Unit Price	17	National Control
Item 1	Material	s - itemized	Quan.	Unit	Price	\$	Extension
2						\$	-
3						\$	L.
4						S	
5						\$	- 4
6						\$	-
7						\$	(4)
8						\$	-
9						\$	
10						2	•
				Materia	ls Subtotal:	\$	-
	Equipme	ent - itemized by equipment				\$	- 4-
1						\$	11-11
2						\$	•
3				-		\$	
5						S	-
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Item	Labor - i	temized description	Quan.	UOM	Unit Price		Extension
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5						S	
3						\$	-1.1
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			Mate	erials before	tax Subtotal:	S	12
					Sales Tax:	\$	
			Ren	t of Equipn	nent Subtotal:	\$	-
				La	bor Subtotal:	\$	/-
			Materials, Rental Eq	uipment, La	bor Subtotal:	\$	
			Overhead and Profit (Materials & E		15%		-
			Overhead and Pro	fit (Labor)	15%	\$	-
			Subc	ontractors S	ubtotal:	S	
Item	SubTier	Contractors		Quote			
	Sasco	Contractors	\$	Quote	3,712.88		
2			\$		-		
3			\$		-		
			Second Tier S				3,712.88
				Pro	ofit at 5.00%: Subtotal:		186.00
			Subcontractor + 2nd tier Su	bcontractor		\$	3,898.88 3,898.88
			Subcontractor + Zilu tiel 30		this Page:	\$	3,898.88
			m. i		evious Pages	Ψ	3,030.00
			Bid No. 19/20-17	at HUIII FF	CVIOUS F 32CS		

Submitted by: Chad Dillashaw

Change Order #01 PCO 012



Sasco 598 Gibraltar Dr. Milpitas, CA 95035

10/07/2020

Proposal for Change Order #03

TO: BECI Electric Inc

8108 Capwell Dr

Oakland, CA 94621

Re: Chabot MPOE RFI 44 Fiber Terminations

JOB# D-CHMPOE

JOB NAME D-Chabot MPOE Replacement

DATE:

Attn: Chad Dillashaw

**MATERIAL EXPENSES:** 

Material Mark-Up

**Total Material** 

1. Material Expense 2. Sales Tax Subtotal

3.

4.

5.

7.

9.75%

15.00%

\$2,310.98 \$346.65

\$2,105.68

\$205.30

\$2,657.63

LABOR EXPENSES:

General Foreman

5.1 hrs 5.1

@ hrs @ \$98.49 /hr \$80.73 /hr \$504.27

Total Labor 8.

Installer

@

@

@

\$413.34

\$917.61

Labor Mark-Up 9. Total Labor 10.

11. Grand Total

15.00%

\$137.64 \$1,055.25 \$3,712.88

CHANGE ORDER TOTAL:

\$3,712.88

#### **DESCRIPTION:**

Remove field polished SC Fiber connectors for both ends of the (2) 96 str fibers & labor from SOW

02) Add SC pigtails and fusion splicing for both ends of the (2) 96 strand fibers and labor to SOW

**CHANGE ORDER TOTAL AMOUNT:** 

\$3,712.88

Sincerely,

Mike Cimino

Sr Project Manager

Mile Cimi

Sasco

408-649-4867

			ESTIMATE SHEET
13.00 mars	CANADA TO COME US	Last retain	

Chabot MPOE F	FL_44 Fiber	Terminations
---------------	-------------	--------------

ESTIMATED BY: Mike Cimino				CHECKED	BY				DATE:	10	0/7/2020
						MATERIAL		- 3-2		LABO	R
				Quantity	Unit Price	Unit	B/B	Amount	МН	Unit	Amount
Description	Color	MFG	Part Number								
SC SM blue boot fiber connector P6001B-Z-125	Blue	Systimax	760007112	-384	\$ 2,50	20		\$ (960.00)	0.20		-76.8
12F SM SC Terminated Pigtall Kit, 3 Meter	blue	Systimax	FAWSCUCOC-XXM003	32	\$ 82.60	ea		\$ 2,643.20			8.0
24 Fiber Splice Trays		Оубилык	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	16	\$ 5.59	ea		\$ 89.44			1.6
Splice Protectors (50) Pack				8	\$ 41.63	ea		\$ 333.04	0.08		0.6
384 Fusion Splices - (2) 96 strands both sides		Sasco	Labor Only	384	\$ -	ea		\$ -	0.20		76.8
					\$ -	ea		\$ -			0.0
					\$ -	ea		\$ -			0.0
Termination & Testing:								\$ -			
2				1	s -	ea		\$ -			0.0
				0	S -	ea		s -			0.0
1				0	\$ -			\$ -			0.0
i e				0	S -			\$ -			0,0
3					TOTAL			\$ 2,105,68		9	10,2



# RFI 0044 - Fiber Terminations

Status: Sent to reviewer

Due Date: Oct 7, 2020

# Question

Alex Tellez (Rodan Builders Inc.) on Sep 22, 2020 at 10:26 AM PDT

See attached RFI from Sasco regarding fiber termination procedures. Please review and confirm the requirements.



RFI\_44\_RBI\_Fiber Terminations.pdf (See page 2)



Sasco 598 Gibraltar Drive Milpitas, CA 95035 RFI# 04

Project:

Chabot MPOE Repl

Address: 25555 Hesperian Blvd

Hayward, CA 94545

Date:

September 22, 2020

Submitted To:

**BECI Electric** 

8108 Capwell Dr

Oakland, CA 94621

**Contact Person:** 

**Chad Dillashaw** 

Phone/Email:

209-559-5689

Respond By:

September 25, 2020 Direct Response To:

Mike Cimino

Reference:

Spec Section 27 1323.2.04.5.a

Cost Impact:

Yes

Originator:

Mike Cimino - Sasco

Schedule Impact:

No

Subject:

Fiber Terminations

#### Statement:

Spec Section 27 1323.2.04.5.a calls out for the fiber to be terminated on Commscope P6001B-Z-125 SC Type fiber connectors but the typical campus fiber termination method is fusion splicing the fiber onto pre-terminated LC SM pigtails.

## Question:

Please confirm if the fiber is to be field terminated onto SC fiber connectors or fusion spliced onto SC SM pigtails?

## **Proposed Solution:**

Fusion splice the fiber onto the SC SM pigtaisl to maintain campus fiber termination methodology.



RFI #: 00044

By: Dave Main

Date: 09/29/2020

## **RESPONSE:**

1 - LC SM Pigtails have been used for the campus fire alarm fiber connectivity. The owner wants these to be SM SC Pigtails, Commscope #ACGSFUCNC. All fiber strands of backbone cable shall be fusion spliced to these pigtails. Product Link:

https://www.commscope.com/product-type/cable-assemblies/fiber-cable-assemblies/fiber-pigtails/acgsfucnc/

- system, under access flooring, and through overhead ceiling space (in basketway, cable tray, conduit, and/or hangers).
- 2. Optical transmission performance shall not be significantly affected by environmental fluctuations, installation, or aging.
- 3. Materials shall not evolve hydrogen in quantities that will increase light attenuation.
- B. Singlemode fiber strands shall meet or exceed the following geometry criteria:
  - Core diameter = 8.3 μm
  - 2. Mode field diameter =  $8.8 \mu m$ ,  $\pm 0.5 \mu m$
  - 3. Cladding diameter =  $125 \mu m$ ,  $\pm 1.0 \mu m$
  - 4. Core/Cladding Concentricity =  $\leq 0.8 \,\mu m$
  - 5. Minimum Tensile Strength = 100,000 psi
- C. Singlemode fiber strands shall meet or exceed the following performance criteria:
  - 1. Attenuation = 0.5 dB/km at 1310 nm and 0.5 dB/km at 1550 nm wavelengths, maximum
  - 2. Cutoff wavelength = 1260 nm
  - 3. Dispersion = 3.5 ps/nm•km at 1285-1330 nm and 18 ps/nm•km at 1550 nm

## D. Primary Coating:

- 1. Each fiber shall be completely covered with a "primary coating" (acrylate material).
- 2. Coating diameter = 250  $\mu$ m,  $\pm$ 5  $\mu$ m

#### E. Buffering:

- 1. Each coated fiber shall be fully covered with a material extruded over and directly onto the coating. This shall be the tight buffer. Tight buffer diameter = 900  $\mu$ m,  $\pm 5 \mu$ m. Material = PVC, or equivalent flame retardant thermoplastic.
- Buffered strands shall be individually color-coded to meet the requirements of ANSI/TIA/EIA-598-A-1995. (Also, ref. ANSI/ICEA S-83-596-1994, and EIA-230)

#### F. Cable Sheath:

- 1. Strength Element: The cable shall have an internal strength element such as aramid yarn (e.g., Kevlar).
- 2. Inner Jacket: The cable shall have a seamless inner jacket (material = PVC, or equivalent) applied to and completely covering the internal components (fiber strands, strength element, other).
- 3. Armor: The cable shall have an interlocking metallic armor applied spirally and longitudinally to and completely covering the cable.
- Outer Jacket: The cable shall have a seamless outer jacket (material = PVC, or equivalent) applied to and completely covering the armor.
- 5. Tensile Strength: The cable shall have a 150-lb, minimum, rated load.
- 6. Flame Rating: NEC (Article 770) rated as OFCP, and UL listed as such.

#### G. Manufacturer:

- CommScope SYSTIMAX
  - #P-096-DZ-8W-FMUYL; 96 strand, singlemode, interlock armor, yellow, OFCP rated

## 2.03 TERMINATION APPARATUS - FIBER OPTIC PATCH PANELS

#### A. Application:

- Fiber optic patch panels shall be an enclosed housing for protecting, storing and organizing the termination of fiber cable(s) and fiber strands, shall provide means to strain relieve and support of the specified cables, shall contain facilities to store fiber slack, and shall provide patch cord management.
- 2. Fiber optic patch panels shall be passive physical equipment and apparatus used

Change Order #01

in terminating, interconnecting, and cross-connecting fiber optic cabling, shall possess a minimum fire resistant rating of UL94V-1, and shall conform to existing OSHA Health and Safety Laws.

- 3. Fiber optic patch panels shall be rack-mountable.
- B. Fiber optic patch panels shall come equipped with safety labels such as laser identification or warning labels as required by system considerations.
- C. Manufacturer:
  - CommScope SYSTIMAX
    - a. #760209965; "HD-4U" type patch panel, sliding, 4U, retains 16 "360G2" modules
    - b. #760109413; "360G2 Singlemode Distribution Adapter Pack w/6 SC Blue (non-shuttered)

#### 2.04 FIBER OPTIC CONNECTORS

- A. Singlemode Fiber Optic Connectors SC Type
  - 1. Materials:
    - a. Ferrule: ceramic (zirconia or alumina) with pre-radiused finish/face.
    - b. Connector housing: plastic.
  - 2. Connector shall meet or exceed Ultra PC performance (LC-UPC).
  - Connector shall have an integral strain relief feature, including a bend limiting rear boot.
  - 4. Connector shall be installable via either epoxy or anaerobic method.
  - 5. Manufacturer:
    - a. CommScope SYSTIMAX
      - #P6001B-Z-125; SC type connector, SM, zirconia ceramic, blue boot, for 0.9 mm buffered fiber

#### 2.05 LABELS

- A. Labels shall be machine printable with a laser printer, ink jet printer, thermal transfer printer, or hand-held printer.
- B. Labels for Cables
  - 1. Labels shall be adhesive-backed and have a self-laminating feature
  - Labels shall fit the backbone cables listed above (i.e., shall fully wrap around the cable's jacket).
  - 3. Printable area should be 1 inch wide x 0.5 inch high, or larger
  - 4. Printable area color shall be white
  - Manufacturer:
    - a. Commscope

### 2.06 MISCELLANEOUS

- A. Fiber Slack Storage Reel: Leviton #48900-OFR, or equal
- B. Velcro Cable Ties
  - 1. Width: .75".
  - 2. Color: Velcro cable ties the same color as the cable to which it is being applied.
  - Manufacturers:
    - a. Panduit
      - 1) #HLS-15R-0 Black, 15' roll, cut to length.
    - b. Or equal

## **PART 3 - EXECUTION**

- 3.01 GENERAL
  - A. Comply with Execution requirements of Section 270000.
- 3.02 EXAMINATION AND PREPARATION
  - A. Pathways: Prior to installation verify pathways (conduits, etc.) and supporting devices,

Chabot-Las Positas Community College District

27 1323-4

Chabot MPOE/Learning Skills Replacement ATI Project No. C9506

Communications Backbone ISP Fiber Optic Cabling

Bid No. 19/20-17 Change Order #01 PCO 012





DATE:

10/9/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

RFI 48 Panel Expansion to Add 2DBC Board Control

PCO#:

13

Dear Peter,

Per RFI 48, the AMAG panel in bldg. 300 does not have the capacity to add the card reader for door 307B. Since no door port is available the panel could be expanded to add a 2DBC board to control (2) more card. this would leave one spare door port available for the future. Below is the cost to The cost to add this 2DBC. This expansion board will allow the card reader for door 307B to be addressed to the system

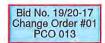
DESCRIPTION	Material	Labor	Sub		Total Cost	
Beci Electric						
RFI 48 Panel Expansion to Add 2DBC			\$	546	\$	546
Board Control						
					\$	
SUBTOTAL					\$	546
Markup - Subcontractor					\$	27
Insurance - 1%					\$	5
Bonds - 1.5%					\$	8
TOTAL COST					\$	587

Feel free to contact me with any questions or concerns.

Sincerely,

Digitally signed by Koith Reynolds
Dit Caus,
Keith Reynolds
Enveryonds/Grodenbuilders.com,
CN-Keith Reynolds
Date: 2020,10.09 14:45:38-0700'

Keith S. Reynolds Project Manager Rodan Builders, Inc.



# Time and Material Change Order Pricing

Comp Conta Addr City,	ess: 3 State Zip: 1	Rodan Builders Keith Reynolds 1486 Investment Blvd. Suite B Iayward, CA 94545 50-508-1700		1	PCO #: Date:			POE Replacement
Drav	ving Number	r: Description of	Work:					
	Materials -	- itemized		Quan.	Unit	Unit Price		Extension
2							S	-
3							\$	
4							\$	<u> -</u>
5							\$	
6							\$	
7 8							\$	
9							\$	4
10							\$	9
					Materia	ls Subtotal:	\$	-(4)-
tem	Equipmen	t - itemized by equipment					\$	4
1							S	
3							\$	-
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5							\$	-
				Rent of	Equipmen	t Subtotal:	\$	
tem	Labor - ite	mized description		Quan.	UOM	Unit Price		Extension
1	Zandor are			Qui			\$	-
2							\$	
3							\$	
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_					Yuha	u Califordal		
Sum	mary:				Labo	r Subtotal:	\$	-
11,711	inter yr			Mad	antala kacam	tan Culstatalı	6	
				Mat	eriais detore	tax Subtotal: Sales Tax:		
				Rei	nt of Equipm	ent Subtotal:		-
					La	bor Subtotal:	\$	21
						bor Subtotal:		- 3
			Overhead and Profit (Ma			15%		*
			Overhe		ofit (Labor)	15%		-
	r			Subo	contractors S	ubtotal:	\$	
tem	SubTier Co				Quote			
1	Electronic I	nnovations		\$		520.00		
3				\$		-		
3			Sec		Subcontracto	r(s) Subtotal:	\$	520.00
					Pro	ofit at 5.00%:	\$	26.00
			Cycle and the state of	and the a	uboontwast==	Subtotal:		546.00
			Subcontractor +	zna ner Si		(s) Subtotal:	S	546.00 546.00
					101111	ing ruge.	Ф	540.00

Submitted by: Chad Dillashaw

Bid No. 19/20-17 Change Order #01 PCO 013

Proposal Grand Total: \$

546.00

25555 Hesperian Boulevard, Hayward, California



# RFI 0048 - AMAG Panel Capacity

Status: Sent to reviewer

Due Date: Oct 17, 2020

# Question

Alex Tellez (Rodan Builders Inc.) on Oct 2, 2020 at 5:06 PM PDT

See attached RFI from Electronic Innovations regarding the AMAG panel capacity for the new card readers to be installed. Please review and advise.



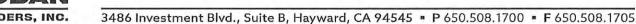
RFI\_48\_RBI\_AMAG Panel Capacity.pdf (See page 2)

ELECTRONIC INNOVATIONS PARR BLVD RICHMOND CA, 94801



# **REQUEST FOR INFORMATION**

E.I. RFI#	DATE:	10/2/2020	PROJECT:	Chabot CCD Bldg. 300
TO:	Beci Electric		FROM:	Eric Bledsoe
ATTN:	Chad Dillashaw		TITLE:	President
	Chad Dillashaw			510-233-2795 X 11
PHONE:			PHONE:	
EMAIL:			_EMAIL:	ebledsoe@electronicinnovations.com
FAX:			_FAX:	510-232-3205
			QUESTION	
BY:			DRWNG/REF.:	None
SUBJECT:	AMAG Panel Capacity		LOCATION:	
QUESTION:				
	panel in Building 300 does	not have the ca	apacity to add the	card reader for door 307B. Our proposal
to Beci Elect	ric dated 8-28-20 "states t	hat this propos	sal is based upon	the Access Control Node aka panel
	able port for door 307B."			
		el could be exp	anded to add a 2	DBC board to control (2) more card
				307B to be addressed to the system
	spare door port available			
teasing one	Para and Para and Para		11	20 DED 5.10. (CONSTRUCT
Please direc	t us on how you want us t	o procede		
r icase un ec	t us off flow you want us t	o procede.		
			RESPONSE	
BY:			_	
RESPONSE:				
	Please add a 2DBC bo	ard as recomr	nended.	
ACCEPTED:		T 0	Dgitary signed by	Tery O. Mortera
		Tony Q.	Mortera Data y tigned by DN G-US, E-ten O-Nero Power Indiana Con-To-Control Control Co	grees, Inc.", OU-Pedral Q. Notes





DATE:

10/19/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

RFI 50; 54 Reroute of Primary/Secondary Condensate Lines

PCO#:

14

Dear Peter,

Per RFI 50 and 54, contractor has received approval via RFI 50 to route primary condensate line to exterior of building. Additionally contractoer has received confirmation from MEOR to route secondary secondary drain to above the doorway at MPOE room entrance 307A. RFI 54 further details the installation requiremets of the secondary condensate drain line at the MPOE entrance 307A.

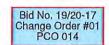
DESCRIPTION	Material	Labor	Sub		Total Co	st
Norther Services Inc.						
RFI 50; 54 Reroute of Primary/Secondary			\$	1,500	\$	1,500
Condensate Lines						
SUBTOTAL					\$	1,500
Markup - Subcontractor					\$	75
Insurance - 1%					\$	15
Bonds - 1.5%					\$	23
TOTAL COST					\$	1,613

Feel free to contact me with any questions or concerns.

Sincerely,

Keith Reynolds E-Argylads Groad by Keih Raynolds Dis C-US, E-Argylads Groad builders, com, Chakalin Haynolds Date: 2020, 10,19 15/08:44-0700'

Keith S. Reynolds Project Manager Rodan Builders, Inc.





C-4, C-20, C-36

Oct 15, 2020

Rodan Builders 3486 Investment Blvd STE. B Hayward, CA

## Change Order 3

This is proposal to re-route the existing drain to extend to outside going outside, this also includes re-routing drain on  $2^{nd}$  to over the door

Total Cost \$1500.00

This price includes Material, Labor, Sales Tax

Material Cost \$350

Sales Tax \$34.13

Labor \$1115.87

Sincerely

Andrew Osborne

President and Estimator (800) 594-9205 Office (925) 525-6447 Cell

C-4, C-20, C-38

Serving California Since 2005

BIM, Design Build, Construction Service



C-4, C-20, C-36

Oct 15, 2020

Rodan Builders 3486 Investment Blvd STE B Hayward, CA 94545

Drains Run outside and 2<sup>nd</sup> Secondary Over Door

Run drains outside of wall from all 4 coils run 1" line and run outside concrete and add hangers
Run secondary drain over door for emergency detection

Sincerely

Andrew Osborne

President and Estimator (800) 594-9205 Office (925) 525-6447 Cell

C-4, C-20, C-38

Serving California Since 2005

BIM, Design Build, Construction Service





C-4, C-20, C-36

Oct 15, 2020

Rodan Builders 3486 Investment Blvd STEB, Hayward, CA 94545

This is rate sheet on work for the Boilers, Air Conditioning, Refrigeration that will include 1yr of service and parts mark up from NSI below are the rates:

Boilers, Air Conditioning, Refrigeration:

**Service Rates** 

\$180 per hour

**Overtime Rates** 

\$270 per hour 3hr min

**Trip Charge** 

\$95 per service call

Mark Up Rates

Parts up to \$1000 are 1.67% mark up

Over \$1000 1.43% mark up



C-4, C-20, C-36

Sincerely Andrew Osborne

President and Estimator (800) 594-9205 Office (925) 525-6447 Cell C-4, C-20, C-38

Serving California Since 2005

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25555 Hesperian Boulevard, Hayward, California



# RFI 0050 - FC Unit Condensate Lines

Status: Sent to reviewer

Due Date: Oct 21, 2020

## Question

Alex Tellez (Rodan Builders Inc.) on Oct 6, 2020 at 8:11 AM PDT

Per keynote 2/M301 the condensate lines for the new FCU are to drain into an existing indirect waste inside the West wall of the MPOE room. We are unable to locate this waste line at the location noted on the plans.

Please review attached RFI and recommendations from our Mechanical Subcontractor regarding the condensate drain route for the new FC units in the MPOE room. Advise on how we are to proceed.



C-4, C-20, C-36

Oct 5, 2020

Rodan Builders 3486 Investment Blvd Suite B Hayward, CA 94545

RFI 2

Due to condensate line not being able to tie in the building, Northern Services Inc. plan was to run the condensate outside into the dirt/lawn the condensate copper line can be anchored to the building with Unistrut and run 10ft till we are 6" from the ground.

No exceptions to proposed routing of primary condensate drains. Per owner direction, route secondary drain to above the doorway (see purple clouded area on next page), confirm location with district representative.

Jared Doescher, PE
IEI 10/8/20

Sincerely

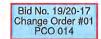
Andrew Osborne

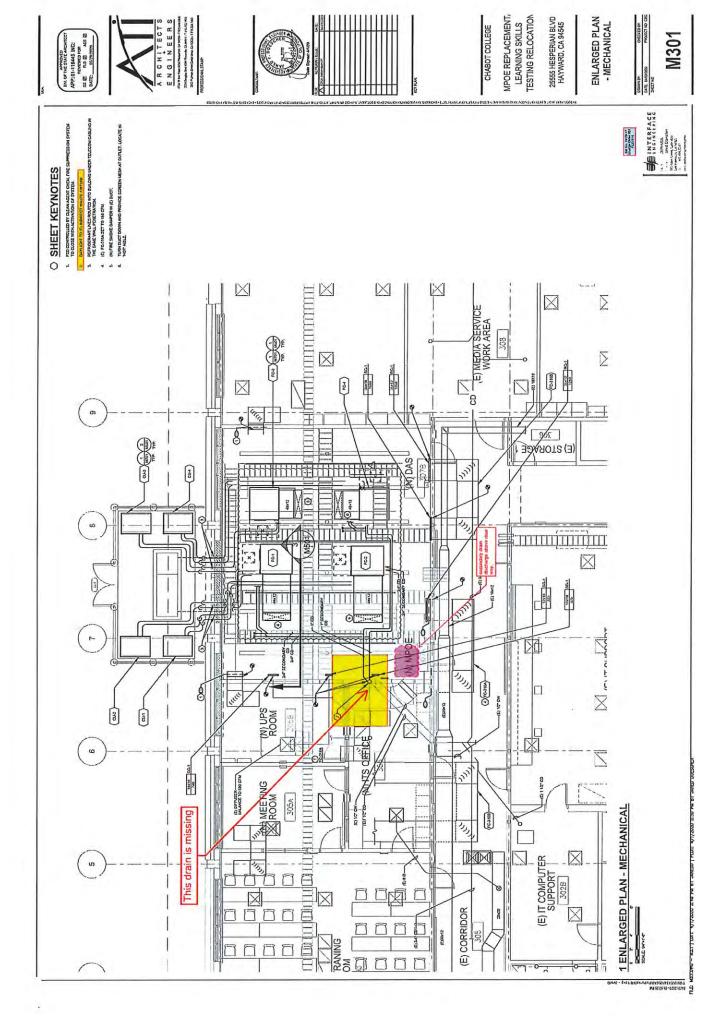
President and Estimator (800) 594-9205 Office (925) 525-6447 Cell

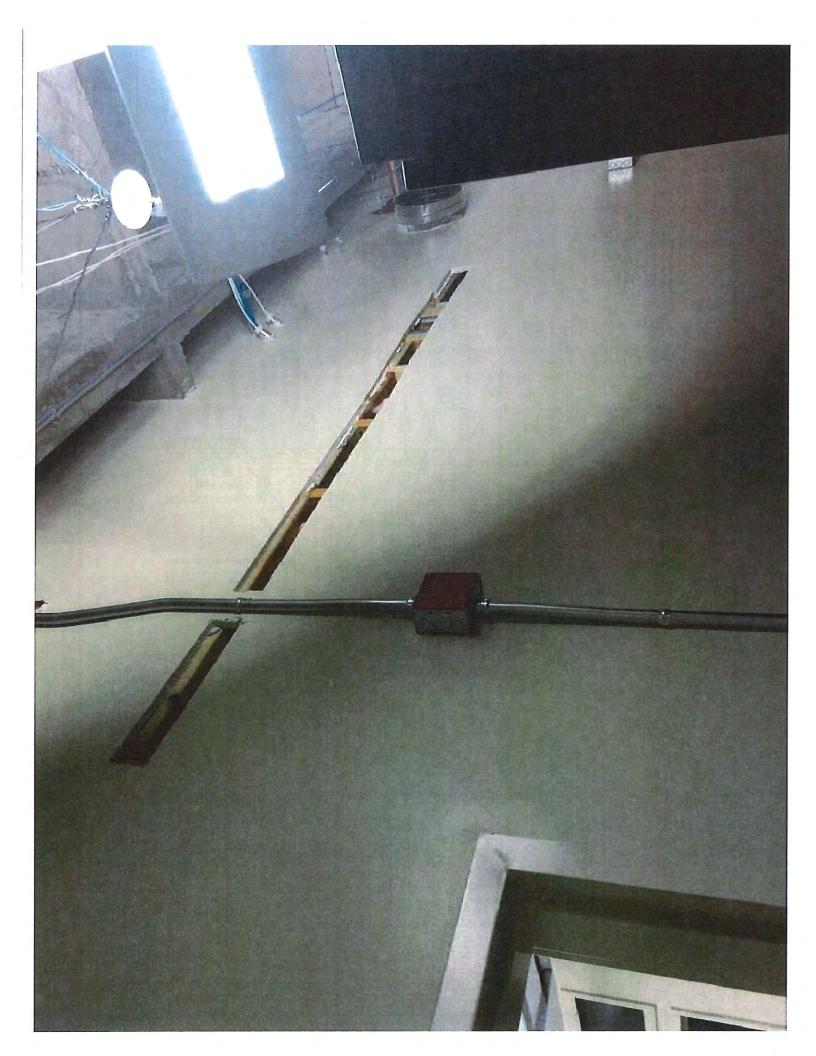
C-4, C-20, C-38

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# RFI 0054 - Fan Coil Secondary Drains

Status: Sent to reviewer

Due Date: Oct 24, 2020

## Question

Alex Tellez (Rodan Builders Inc.) on Oct 9, 2020 at 10:11 AM PDT

See attached RFI from our mechanical Subcontractor regarding the secondary drain pan and drains for the new fan coil units. As per RFI #50 the POC shown for the condensate lines on sheet M301 does not exist. Please review and provide details showing how the secondary drains should be routed inside the MPOE room.



Oct 8, 2020

C-4, C-20, C-36

Rodan Builders 3486 Investment Blvd STE. B Hayward, CA

RFI 6

The original plans we show no condensate pans, We are installing these as secondary drain we show these being tied together on primary side on the fan coil.

Our understanding is that the secondary drains will be run above a door to alert someone of the drainage block on the primary side, this is not on our original plans as shown. Please explain exactly how you would like this

The first paragraph I believe is stating that no secondary drain pan is being provided by the mechanical contractor, claiming that no secondary pan is shown on the drawings. However, a secondary drain pan is shown per detail 1/M5.01.

Combined secondary drain lines to a single 1" CD line, elbow down 12-18" from the door highlighted on the following floor plan. Confirm with maintenance staff.

Jared Doescher, PE IEI 10/12/20

Sincerely

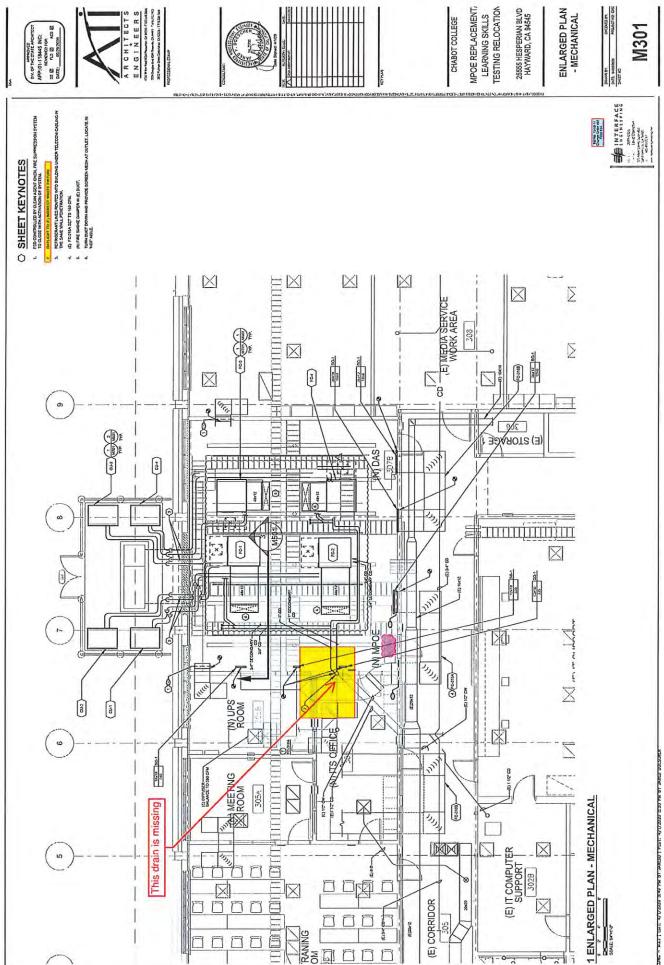
Andrew Osborne

President and Estimator (800) 594-9205 Office (925) 525-6447 Cell

C-4, C-20, C-38

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M301



DATE:

5/18/2021

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

Project Extension of Time and Overhead

PCO#:

15R1

Dear Peter,

Per the October 2020 schedule update (attached). Rodan Builders, Inc. required an extension of time to the base contract final completion date of October 07, 2020. The proposed revised final completion date was November 20, 2020. The extension of project duration extended the overhead costs allotted. Critical path activity has been heavily jeopardized due to design issues and submittal review periods directly impacting material procurement timeframes and subsequent installation activities. These delays have resulted in additional field and office overhead costs to support the project to completion. Please reference below and attached for cost impact. The agreed substantial completion date is June 11, 2021. The cost impact below remains the same as previsuly documented due to careful time management of the delays documented within and captures the overall and final cost impact requested.

DESCRIPTION	Material	L	abor	Sub		Total (	Cost
Rodan Builders, Inc.							
Supervision	\$	- 5	\$ 33,472.00	\$	4	\$	33,472
Project Management	\$	- 5	5,358.64	\$	÷	\$	5,359
Project Engineer	\$	- 5	6,277.60	\$		\$	6,278
SUBTOTAL						\$	45,108
Markup - Contractor						\$	6,766
Insurance - 1%						\$	451
Bonds - 1.5%						\$	677
TOTAL COST						\$	53,002

Feel free to contact me with any questions or concerns.

Sincerely,

Keith Reynolds Enleyth 66.03 13.06.52-07.00

Keith S. Reynolds Project Manager Rodan Builders, Inc.

Bid No. 19/20-17 Change Order #01 PCO 15R1



June 3, 2021

Peter Espinosa, CCM Senior Construction Manager Construction Management Division 510-301-3416

Peter:

Below is the summary of schedule items that caused an impact to the critical path and or caused an activity to go critical, based on submittal/RFI review times and owner driven delays. These activities are the basis of the requested extension of time/overhead.

Submittal 24 - Utility Enclosure RFI 29 - Chain Link Posts and Ametco Fence RFI - 43,1 - Site Enclosure Pad

Submittal 24 substitution was proposed 06/23/2020, due to communicated lead time concerns regarding the specified Ametco enclosure. Submittals, procurement and installation of Ametco could not meet the project schedule. Submittal 24 substitution was rejected. RFI 29 was issued as the contract drawings detailed the specified Ametco fence such that it did not continue to the building and therefore does not provide security. Layout is required to be finalized prior to fabrication. RFI 29 response received from the design team increased the size of the exterior slab such that the posts are now integral to the increased pad size. This caused the fence post placement to become critical as they would have needed to be placed in advance of the slab. This delayed mounting of equipment to exterior slab. RFI 43.1 requests to leave the pad as designed in base contract drawings thus making the fence posts not critical. The design of the enclosure has yet to be finalized, reviewed and approved as owner has requested contractor conduct a VE exercise.

### Interior Delays

RFI 15 - Fire Sprinklers/RFI 36 - Fire Sprinkler Routing/CCD 002:

RFI 15 was issued 07/13/2020 and resolution was not received until issuance of an additional RFI, RFI 36 and subsequent CCD 02 on 09/02/2020. This resulted in 49 calendar days of delay due to design issues. The result of design review time caused the fire life safety scope to go critical as it exceeds base contract timeframe. This work was completed 10/19/2020. 12 Day extension required.

Submittal 03 – Submittal 03.1 – Mechanical Equipment and Controls
Submittal 39 Mechanical Shop Drawing Submittal Design Team Review/Approval Turnaround
RFI 11 – ASI 01 - Power Voltage for Fan Coil Units

Submittal 03 for the mechanical equipment and controls was issued 06/11/20 and review comments were received on 06/18/2020. A revised mechanical equipment and controls submittal was promptly resubmitted 06/25/20 with final approval received from the EOR 08/19/20. As submittal 03.1 was in review, RFI 11 was issued which inquired clarification of the electrical voltage requirements for the fan coil units to be installed. RFI 11 was issued 07/09/20 and the ASI 01 response was received on 07/17/20. After receipt of ASI 01 our mechanical contractor was able to proceed with finalizing the



mechanical shop drawings. Submittal 39 include the mechanical shop drawings was issued for review 07/20/20 final approval from the EOR was not received until 09/30/20.

ASI 002 - Owner Driven Revised Clean Agent Tank Location to UPS Room

Refer to meeting minutes item 4 dated 09/20/20. On 09/16/20, owner initiated the request for the design team to relocate the clean agent tank away from the location shown on the bid documents. This direction yielded ASI 02 received 10/2/20 which provides formal direction to proceed with the new location for the clean agent tank.

Please let me know if you have any questions.

Keith Reynolds

College 20, 100 College 20, 10

Keith S. Reynolds Project Manager Rodan Builders, Inc.

> Bid No. 19/20-17 Change Order #01 PCO 15R1

# COST ANALYSIS

PROJECT: Chabot College MPOE Replacement						U.	SHEET NO	1,0,0
ARCHITECT: ATI Architects + Engineers	OWNER:	Chabot-Las Po	sitas Commun	OWNER: Chabot-Las Positas Community College District	t	EST	ESTIMATE NO.	15
QUANTITIES: Breakdown Below	PRICE BY: KR	KR					DATE	10/21/2020
			MATERIAL		LABOR		TOTAL COST	COST
DESCRIPTION	QUANTITY	TIND	LIND	TOTAL	TINO	TOTAL	TIND	TOTAL
Project Overhead Extension						- \$	0,	
Rodan Builders, Inc.								
- Superintendent 5 Day Per Week								
-130.75/hr. x 256hrs.	256	HR		\$	130.75	\$ 33.472.00		33.472.00
-Project Manager 1 Day Per Week								
-95.69/hr. x 56hrs.	56	HR		\$	95.69	\$ 5.358.64		5 358 64
Project Engineer 2 Day Per Week								100000
-56.05/hr. x 112hrs.	112	H		· \$	56.05	\$ 6,278	0,	\$ 6,277.60
Total Cost				69		·	0,	\$ 45,108.24

Bid No. 19/20-17 Change Order #01 PCO 15R1

MPOE Replacement Building 300 Job No: RBI 20-1102, CLPCCD B19/20-12																																									
	Oct-20																						Z	Nov-20															ľ		
ACTIVITY	7 8	8 9 10 11 12 13 14 15 16 17	10	11	12	13	14	15	6 1		8 1	3 20	21	22	18 19 20 21 22 23 24 25 26 27 28 29 30 31	24	25	26	27	28 2	60	30 3	-	1	2 3		4 5	9	6 7 8	8	6		11	12	13	10 11 12 13 14 15 16 17 18	15	16	7 1	49	1 20
MPOE Replacement Building 300										-		L	L					T			H	-	-	H	-		-	-		-										-	
Rodan Builders Inc.					T	1	1	-	-	-		L	L					T	T	1	+	+	+	-	+	1	1	-	1	1	-	1	1	I		1	t	t	+	+	+
Superintendent 5 Day Per Week								-	-	-	-	-	_						-	-	H	-	+	-	+	1	-	-	-	-	1	1					T	t	t	+	+
-130.75/hr. x 256hrs.	×	×			×	×	× × × ×	×	×		×	×	××××	×	×	Ü		×	×	×	×	×			×	×	×	×			×	×	×	×	×			×	×	>	>
Project Manager 1 Day Per Week								-		-	-	-							-	-	-	-	-	+	-	-	-		-	-	-	-	-	1	4		T		-	-	-
-95.69/hr. x 56hrs.	×		I				×						×							×						×							×						×		_
Project Engineer 2 Day Per Week								-	-	-	H	-		L				T	-	-	+	-	-	-	1	-	-	-	-	-	-	1	1			T	T	t	+	+	╀
-56.05/hr. x 112hrs.	×	×					×	×			-		×	×		Ī				×	×		7		_	×	×						×	×				-	×	×	13.0
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Mod Rate	V/C rates not Incl. Exper.Mod of 68% as of 10/1/15	0.04430	0.00460	0.00340	0.05260	0.14810	0.05400
Rate	W/C rates not Incl. Exp	6220 Laborer	8742 PM	8810 Clerical	5205 Concrete	5403 Carp <\$32	5432 Carp Jrny

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Union Wage Rates

LABOR RATES WITH BURDEN

								5432	5432 Carp Jrny		0.05400
< HOURLY WA	GE > > >	< < < < < HOURLY BURDEN >>>>>>   TOTAL	N HO	URLY BU	RDEN	^ ^ ^	٨		TOTAL		
ase	Total	Bal of	FICA	FUTA	SUTA	W/C	INS	Total	ST	ТО	DT
1/00/	0,00	0000	0 0766	0000	0000	AL	1				

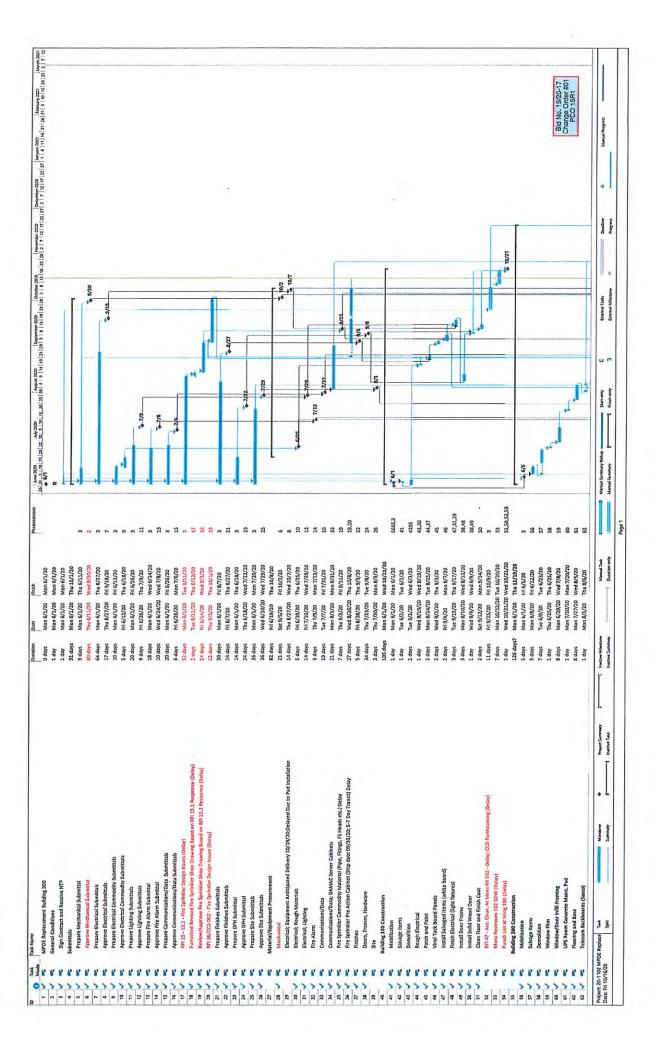
	< < HOURLY WAGE > > >	KLY WAG	L > > >	>>>>>		HOURLY BURDEN	ADEN	^^^^	٨		TOTAL		
	Base		Total	Bal of	FICA	FUTA	SUTA	W/C	INS	Total	ST	TO	TO
Classification Wage Vac Rat	Wage	Vac	Rate	Fringe			0.062	Above	0.045	Burden	Rate	Rate	Rate
							-		-				
Rate increase July 1st	1st												
CARPENTERS					1			Į.					
Appr-1st (60%)	31.59	2.14	33.73	13.12	2.58	0.27	5.09	2.00	1.52	24.57	58.30	79.83	101.35
Appr-4th (75%)	39.49	5.09	44.58	15.37	3.41	0.36	2.76	2.41	2.01	26.31	70.89	96.11	121.33
Appr-5th (80%)	42.12	5.09	47.21	26.02	3.61	0.38	2.93	2.55	2.12	37.61	84.82	111.68	138.53
Appr-6th (85%)	44.75	5.09	49.84	26.02	3.81	0.40	3.09	2.69	2.24	38.26	88.10	116.59	145.08
Appr-8th (95%)	50.02	5.09	55.11	26.02	4.22	0.44	3.42	2.98	2.48	39.55	94.66	126.43	158.21
Journeyman	52.65	5.09	57.74	26.02	4.42	0.46	3.58	3.12	2.60	40.20	97.94	131.35	164.76
Foreman(J+10%)	57.92	5.09	63.01	26.02	4.82	0.50	3.91	3.40	2.84	41.49	104.49	141.18	177.88
General (F+20%)	69.50	5.09	74.59	26.02	5.71	0.60	4.62	4.03	3.36	44.33	118.92	162.82	206.73
Foreman overscale	65.92	5.09	71.01	26.02	5.43	0.57	4.40	3.83	3.20	43.45	114.46	156.13	197.80
Superintendent	79.00	5.09	84.09	26.02	6.43	0.67	5.21	4.54	3.78	46.66	130.75	180.58	230.40

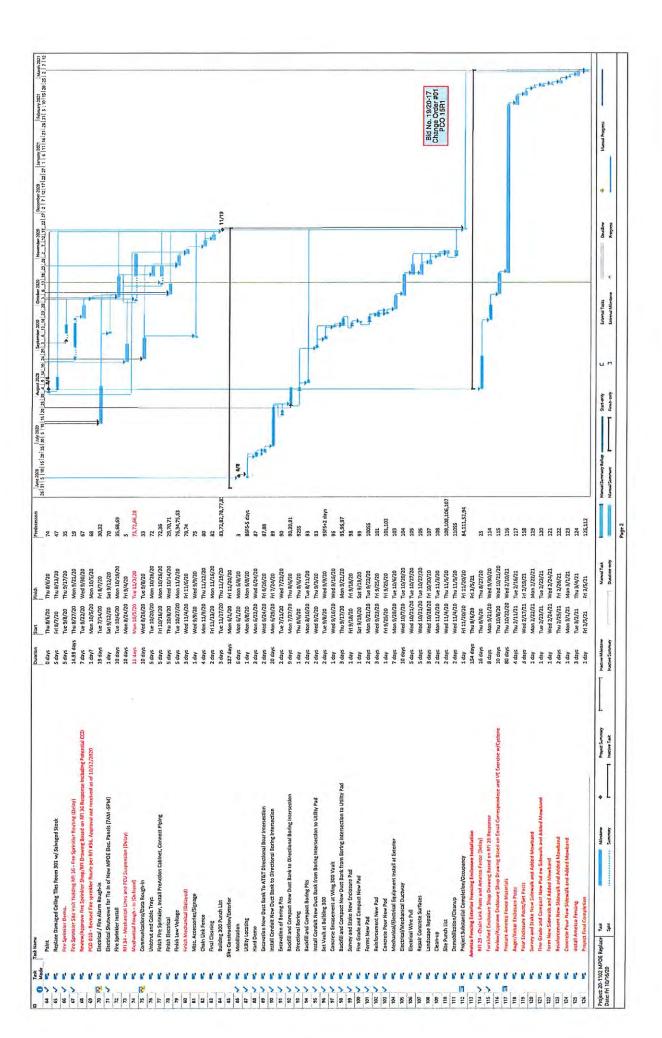
LABORERS - AREA 1		Rate incr.	Rate incr June 29th										
Group 1	32.80	3.05	35.85	22.74	2.74	0.29	2.22	1.59	1.61	31.19	67.04	87.67	108.30
Group 2	32.65	3.05	35.70	22.74	2.73	0.29	2.21	1.58	1.61	31.16	66.86	87.39	107.93
Group 3	32.55	3.05	35.60	22.74	2.72	0.28	2.21	1.58	1.60	31.13	66.73	87.21	107.68
Constr Specialist	33.50	3.05	36.55	22.74	2.80	0.29	2.27	1.62	1.64	31.36	67.91	88.97	110.03
Constr Specialist +	34.28	3.05	37.33	22.74	2.86	0.30	2.31	1.65	1.68	31.54	68.87	90.41	111.95
<b>OPERATING ENGINEER</b>		Rate incr June 29th	June 29th										
Foreman (under 7)	49.89	4.77	54.66	26.86	4.18	0.44	3.39	2.42	2.46	39.75	94.41	125.80	157.19
Foreman overscale	62.09	4.77	98.69	26.86	5.34	0.56	4.33	3.09	3.14	43.33	113.19	153.97	194.76
OTHER RATES													
Project Manager	80.00	0.00	80.00	0.00	6.12	0.64	4.96	0.37	3.60	15.69	95.69	143.53	191.38
Project Super Non-L	85.00	0.00	85.00	0.00	6.50	0.68	5.27	4.59	3.83	20.87	105.87	158.80	211.74
Project Super Non-L	75.00	0.00	75.00	0.00	5.74	0.60	4.65	4.05	3.38	18.41	93.41	140.12	186.83
Project Engineer	45.00	0.00	45.00	0.00	3.44	0.36	2.79	2.43	2.03	11.05	56.05	84.07	112.10
Administrative	40.00	0.00	40.00	0.00	3.06	0.32	2.48	0.14	0.00	00.9	46.00	68.99	91.99
Misc	20.00	0.00	20.00	0.00	3.83	0.40	3.10	0.17	0.00	7.50	57.50	86.24	114.99

NOTES:

\*\*\*\*\*\*SAN FRANCISCO JOBS SHOULD INCLUDE A PAYROLL TAX OF 1.5%\*\*\*\*\*\*

Bid No. 19/20-17 Change Order #01 PCO 15R1









DATE:

11/5/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

RFI 55 Pre-Action Cabinet Electrical/FA Panel Tie In

PCO#:

16

Dear Peter,

Per response to RFI 55, below is the cost to furnish and install electrical rough to connect pre action control panel to existing panel 3R1B-39, provide lock on device and connect compressor to existing panel 3R1B-41. Includes adding of FA cable and three, Gamewell/FCI monitor modules, for the campus FA system activation by the Bldg. 300 MPOE Pre-Action System.

DESCRIPTION	Material	Labor	Sub		Total Cos	t
Beci Electric				BL TLS		
RFI 55 Pre-Action Cabinet Electrical/FA			\$	5,264	\$	5,264
Panel Tie In						
					\$	<del>-</del> -
SUBTOTAL					\$	5,264
Markup - Subcontractor					\$	263
Insurance - 1%					\$	53
Bonds - 1.5%					\$	79
TOTAL COST					\$	5,658

Feel free to contact me with any questions or concerns.

Sincerely,

Digitary alganed by Keith Reynolds

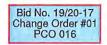
Keith Reynolds

Selection Reynolds

All Reynolds

Digitary of the Control o

Keith S. Reynolds Project Manager Rodan Builders, Inc.



# Time and Material Change Order Pricing

Comp Conta	ict;	Rodan Builders Keith Reynolds		PCO #	1: 10		300 I	MPOE Replacement
	State Zip:	3486 Investment Blvd. Suite B Hayward, CA 94545 650-508-1700					Actio	n Cabinet Control
Draw	ing Numbe	er: Description of Work:	·	,				
Item	Materials	- itemized	Quan.	Unit		Init rice		Extension
1	3/4" LB w			EA	\$	14.35	S	57.40
2	3/4" Chase	Nipples		EA	\$	1.20	\$	2.40
3	3/4" EMT		100		\$	0.78		78.00
4		Compression Connectors w/Insulated Throats		EA	\$	1.92	_	23.04
5		Compression Couplings		EA	\$	2.95	-	35.40
6		Strut Straps	3		\$	3.00	_	9.00
7		One Hole Straps		EA	\$	0.32	S	4.80
8	4 SQ Deep	Combo Boxes		EA	\$	1.28	_	5.12
9	3/4" Steel			EA LF	\$	0.66	_	2.64 1.44
11	3/4" Jakes	IVA		EA	\$	1.22	_	2.44
12	#12 THHN	I	500		\$	0.13	\$	65.00
13	WIZ IIIII	\ <u>'</u>	300	Li	Ψ	0.13	S	- 05.00
14							S	1.40
				***				22471
	lm .		<del></del>	Materi	als Su	btotal:	\$	286.68
tem	Equipmen	t - itemized by equipment					S	
2							\$	-
3					-		\$	-
4							\$	- :
5							S	2
			Rent a	of Equipme	ent Su	btotal:	S	+
		emized description	Quan.	UOM	Pı	nit rice		Extension
1	Journeyma		24	Hours		117.11	\$	2,810.64
2	General Fo	reman	4	Hours	\$	139.38	\$	557.52
3					-		\$	-
4							\$	
5							\$	-
_				Lal	or Su	btotal:	\$	3,368.16
Sumi	nary:				_			
			Ma	terials befor	e tax S	ubtotal:	\$	286.68
						es Tax:		26,52
			Re	ent of Equip				
				I	abor S	ubtotal:	\$	3,368.16
			Materials, Rental E	quipment, I	abor S	ubtotal:	S	3,681.36
		Overhead and	Profit (Materials &	Equipment)		15%		43.00
			Overhead and Pr	ofit (Labor)		15%	\$	505.22
			Sub	contractors	Subtota	ıl:	\$	4,230.00
.9.4		1951.15						1,200,00
	SubTier C			Quote		101.70		
1	Sound & S	gnai	\$		9	984.50		
3			\$			-		
2			Second Tier	Subcontract	or(e) C	ihtotal:	\$	984,50
			Second 1161			5.00%:		49.00
						ubtotal:		1,033.50
		Subco	ntractor + 2nd tier S	ubcontracto			\$	5,263.50
				Tota	al this	Page:	\$	5,263.50
			Te	ital from P	revious			
							-	
				Proposal (	7 1			5,263.50

Submitted by: Chad Dillashaw

Bid No. 19/20-17 Change Order #01 PCO 016

# Sound & Signal Inc.

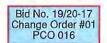
277 Rickenbacker Circle Livermore, Ca. 94551 (925) 455-1778 (925) 455-6153 FAX DIR Public Works Reg #1000000276 California Contractors Lic. # 494676

Chabot College Bldg. 300 i	MPOE RFI# 0055
Date: <u>11/2/20</u>	
To: Chad Dillashaw	
Company: <u>Beci Electric</u>	
From: Steve Ackermann	
Total Number of Pages: <u>1</u>	
	g, per the RFI# 0055 response, to add FA cable and r modules, for the campus FA system activation by the System:
Materials:	\$275.00
Labor:	<u>\$620.00</u>
Subtotal	\$895.00
10% O/P	<u>\$89.50</u>
Total Price:	\$984.50

Respectfully, Steve Ackermann Sound & Signal

Price includes programming and 100% testing of devices.

Does not include installation of electrical back boxes, conduit or any FA devices or wiring, directly connected to, and for the use of, activating the Pre-Action System.





# RFI 0055 - Pre-Action Cabinet Control Panel Tie In

Status: Sent to reviewer

Due Date: Oct 28, 2020

## Question

Alex Tellez (Rodan Builders Inc.) on Oct 12, 2020 at 5:49 PM PDT

Per Fire Sprinkler product submittal #50.1 attached, two 120V electrical circuits are required to power the FS Control Panel as well as the compressor. In addition, the pre-action cabinet will need to tie in to the fire alarm system. These connections to the pre-action cabinet are not shown on either the Electrical or Fire Alarm drawings. Please review and provide detailed wiring plans for the fire sprinkler pre-action cabinet.

## For the (2) dedicated 120v circuits:

1- Connect the Pre Action Control Panel to existing panel '3R1B'-39. Provide a lock-on device. 2-Connect the Compressor to existing panel '3R1B-41.

For Fire Alarm tie-in of the Pre Action Panel, the FS contractor to coordinate the tie-in of the new Pre Action Panel to Building Fire Alarm Contractor for the required monitoring and supervision of this panel.

## Response by:



Per specification 211319-3.01-R Provide alarm, supervisory and trouble relay output connections to the building fire alarm system along with associated power and control wiring, conduit, and terminations. No additional cost to the owner is anticipated. Coordinate termination locations with equipment installation manual wiring diagrams. Jared Doescher, PE IEI 10/28/20



DATE:

11/5/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

ASI 003 Refrigerant Piping Drip Pans

PCO#:

17

Dear Peter,

Per ASI 003, below is the cost to furnish drip pans under refrigerant piping per owner request.

DESCRIPTION	Material	Labor	Sub		Total Co	ost
Norther Services Inc. ASI 003 Refrigerant Piping Drip Pans	\$	- \$	- \$	2,641	\$	2,641
SUBTOTAL					\$	2,641
Markup - Subcontractor					\$	132
Insurance - 1%					\$	26
Bonds - 1.5%					\$	40
TOTAL COST					\$	2,839

Feel free to contact me with any questions or concerns.

Sincerely,

Keith Reynolds E-kraynolds (Neth Reynolds Charles) Charles (Ne

Keith S. Reynolds Project Manager Rodan Builders, Inc.





C-4, C-20, C-36

Oct 23, 2020

Rodan Builders 3486 Investment Blvd Ste B Hayward, CA 94545

## Change Order 6

This is proposal for drip pan for the line set that is going from Fan Coils to the wall this will be mounted to the Unistrut and will be hung below, NSI will perform the following work:

- Measure and install drain pan for line set
- · Install and hang at a slop to end the drain

Total Cost \$2641.30

This price includes Material, labor, Sales Tax,

Labor \$721

Material \$1850

Sales Tax 9.75% \$70.30



## ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS

ASI NO.: 03

PROJECT:

Chabot College

DATE:

10/2/2020

MPOE Replacement

ATI PROJECT NO.:

C9506

25555 Hesperian Blvd.

Hayward, CA 94545

1-C2

OWNER:

Chabot Las Positas CCD

**DSA FILE NO.:** DSA APP. NO .:

01-118445

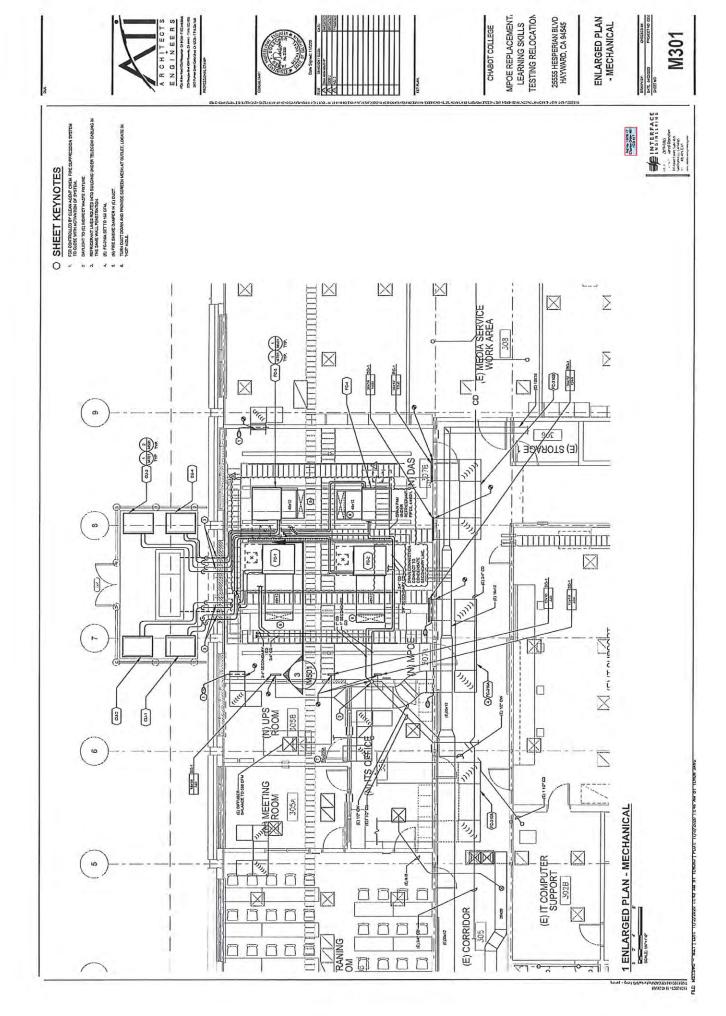
7600 Dublin Blvd.

Dublin, CA 94568

The Work shall be carried out in accordance with the following supplementary instructions issued in accordance with the Contract Documents. If a change in Contract Sum or Contract Time is anticipated, submit a proposal for the work before proceeding with the change. Proposal shall be submitted within 5 days from the date of this document.

#### DESCRIPTION

- 1. Sheet M301
  - a. Added drip pan under refrigerant piping.
  - Rerouted refrigerant piping for FC-2 and FC-4 so that they run over the drip pan.
  - Showed condensate drain piping for FC-2.
- Sheet M501
  - a. Added Detail 4 Drip Pan Detail.









MPOE REPLACEMENT, LEARNING SKILLS TESTING RELOCATION CHABOT COLLEGE

25555 HESPERIAN BLVD HAYWARD, CA 94545

DETAILS AND SECTION VIEW-MECHANICAL

M501

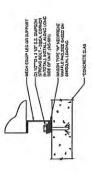
LA-GWIN OF LINED DUCT

TLEX CONNECTION W
SOEL ACCESS HOUSING
SPECIAL SUPPORT & BRACHO
HAS-SCO CONDICIONAL PATAN

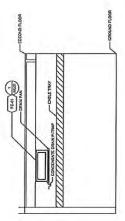
# 1 FAN COIL UNIT HANGING DETAIL

4 DRIP PAN DETAIL

TEREP IS CACHET — NETAL PAN LOCATED UNDER REPRISCRANT PIPING.



# 2 EQUIPMENT ATTACHMENT W/O ISOLATORS



3 SECTION VIEW - MECHANICAL

EM CINTERFACE

SET STREET IN G

SET STREET



3486 Investment Blvd., Suite B, Hayward, CA 94545 \* P 650.508.1700 \* F 650.508.1705

DATE:

11/16/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

RFI 65, Weather Seal Detail fro Exterior Penetration

PCO#:

18

Dear Peter,

Per response and detail received via RFI 65, below is th cost to furnish and install metal cap to cover installed line sets at exterior wall. Price includes installation and sealing.

DESCRIPTION	Material	Labor		Sub		<b>Total Cos</b>	t
Norther Services Inc.  RFI 65, Weather Seal Detail fro Exterior Penetration	\$	- \$	÷	\$	770	\$	770
SUBTOTAL						\$	770
Markup - Subcontractor						\$	39
Insurance - 1%						\$	8
Bonds - 1.5%						\$	12
TOTAL COST						\$	828

Feel free to contact me with any questions or concerns.

Sincerely,

| Digitally, signed by Keith Reynolds | DN: Galds, | Calds, | Calds |

Keith S. Reynolds Project Manager Rodan Builders, Inc.



P.O. Box 15489 San Francisco, CA 94115 P: (800) 594-9205 F: (510) 842-3105 www.northernserviceinc.com

C-4, C-20, C-36

Nov 16, 2020

Rodan Builders 3486 Investment Blvd Suite B Hayward, CA 94545

Change Order 6

This is change order for the sheet metal cap that goes over the line-set, this will include installation and sealing

Total Cost \$770.35

This price includes Material, labor, Sales Tax

Sincerely	Χ
Andrew Osborne	Rodan Builders
Solven Orlan	
President and Estimator	
(800) 594-9205 Office	X
(925) 525-6447 Cell	Date
C-4, C-20, C-38	
Serving California Since 2005	
BIM, Design Build, Construction	x
Service	Purchase Order



## RFI 0065 - Weather Seal Detail for Exterior Penetrations

Status: Sent to reviewer

Due Date: Nov 20, 2020

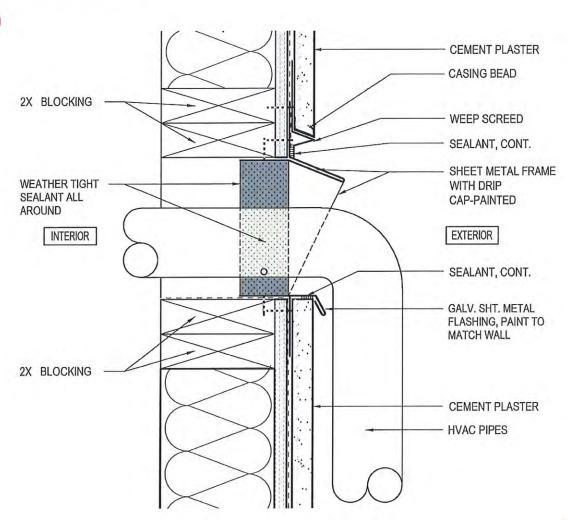
#### Question

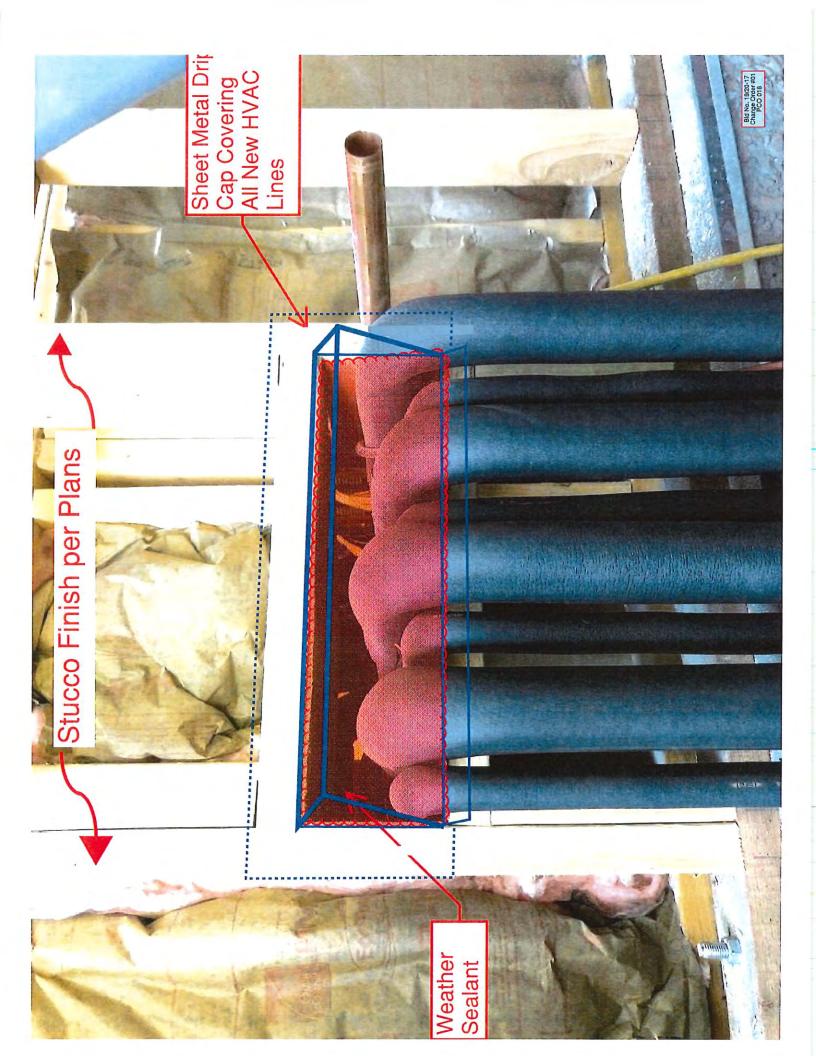
Alex Tellez (Rodan Builders Inc.) on Nov 2, 2020 at 1:59 PM PST

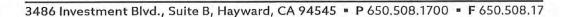
The plans do not provide a detail for weather sealing exterior wall penetration for the HVAC line sets running to the exterior condenser units. Please review the attached mark-up and confirm the proposed sealant and sheet metal cap detail is acceptable.

See below and markups on attached.

A. Win 11/11/2020









DATE:

12/28/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

CCD 3, Men's Restroom Urinal Demo. and Tile Pach Back

PCO#:

19R1

Dear Peter,

Per CCD3, below is the cost to remove one (1) exisitng urinal at Men's restroom. Once urinal is removed exisitng plumbing will be safed off. Includes disposal of urinal and misc. plumbing materials. Includes minor tile demo and patch back utilizing available attic stock.

DESCRIPTION	Material	Labor	Sub		<b>Total Cost</b>	
RG Plumbing						
Plumbing Demo and Safoff			\$	1,022	\$	1,022
DC Tile						
Tile Patching T&M			\$	1,729	\$	1,729
SUBTOTAL					\$	2,751
Markup - Subcontractor					\$	138
Insurance - 1%					\$	28
Bonds - 1.5%					\$	41
TOTAL COST					\$	2,957

Feel free to contact me with any questions or concerns.

Sincerely,

Digitally signed by Keith Reynolds
DN: C-U2
Exterpriols/@rodanbulslars.com,
O-Rodan Bulders, Inc. \*, CN-Keith
Reynolds
Dale: 2020, 12,28 15-59:48-08'00'

Keith S. Reynolds Project Manager Rodan Builders, Inc.





#### R G Plumbing Group, Inc.

Proposal 5191 Invoice

Cont. Lic. #802006 461 Todd Road Santa Rosa, CA 95407 Tel: 707-571-1195

Date: December 4, 2020 SBE Certified

DIR #1000003935

Proposal	Subn	nitted	To:

Rodan Builders, Inc. Name:

Work Performed At:

Location: Chabot College

Street:

City, State, Zip: Phone: City, State, Zip: Project #

Fax:

Contract #

We hereby propose to furnish the materials and perform the labor necessary for the completion of:

- 1) Provide labor and material to remove one (1) existing wall hung urinal & permanently cap waste & water in wall.
- Work to be complete in one visit.
- Quote if for regular hours 7:00-3:00
- 4) Please see below for off hours rate

#### Does not include:

- 1) Opening 7 or close of walls, floors or ceiling
- Removal of demolished plumbing fixtures/utilities from job site

4 Hours Labor: \$1000.00

Material: \$22.13

Regular Time:\$250 per hour

Off Hours: \$375.00

All material is guaranteed to be as specified, and the above work to be performed in accordance with the drawings and specifications submitted for above work and completed in a substantial workmanlike manner for the sum of ONE THOUSAND TWENTY TWO Dollars (\$1022.00) with payments to be made as follows: % to be billed each month.

Any alteration or deviation from above specifications involving extra costs, will be executed upon written orders, and will become an extra charge over and above the estimate. All agreements are contingent upon strikes, accidents or delays beyond our control. Owner shall carry fire, tornado, and other necessary insurance upon above work.

Respectfully Submitted By: Stacy Graniss

Per: **Robert Graniss** 

802006 State License No.

> NOTE: This proposal may be withdrawn by us if not accepted within 10 days

#### "NOTICE TO OWNER"

(Section 7018.5 - Contractors License Law) Under the Mechanics' Lien Law, any contractor, subcontractor, laborer, materialman or other person who helps to improve your property and is not paid for his labor, services or material, has a right to enforce his claim against your

Under the law, you may protect yourself against such claims by filing, before commencing such work or improvement, an original contract for the work of improvement or a modification thereof, in the office of the county recorder of the county where the property is situated and requiring that a contractor's payment bond be recorded in such office. Said bond shall be in an amount not less than fifty percent (50%) of the contract price and shall, in addition to any conditions for the performance of the contract, be conditioned for the payment in folk of the claims of all persons furnishing labor, services, equipment or materials for the work described in said contract.

ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above

Signature

Date

#### **D C TILE CO Change Order Request**

			Change	Orger Request #:	1
GC Company Name: Re Project Manager:				Date:	12/11/20
	habot College			•	
Location: H	ayward				
Job No:					
Subcontractor: D	C TILE CO				
Address: 10	085 ALPINE WAY - COLFA	X, CA 95713			
Phone: 53	30-268-0275		Fax:	866-727-2470	
Contact: Be	n Riedel		_		- Thomas
	eistall Tiles at Restroor	ms	_		
	C Request				
Description		Qty.	Unit	Unit/Cost	Total
WATERIALS		- Cty	Ome	Omiyeost	iotai
Vlastic		1	unit	\$45.00	\$45,00
Grout		1	unit	\$45.00	\$45.00
		0	unit	\$0.00	\$0.00
	Tax				\$7.88
Subtotal					\$97.88
EQUIPMENT					
Subtotal					
ABOR					
OURNEYMAN		16	HOUR	\$87.84	1,405.44
Subtotal					1,405.44
DC TILE CO PROJECT MAN	IAGER SIGNATURE		RECAP		TOTALS
7	P 12/1	1/20	Materials		\$97.88
	7 12/	/	Equipment		\$0.00
Signature		Date	Labor		\$1,405.44
Project Manager's A	utnorization		Subtotal		\$1,503.32
			OH & P		\$225.50

Total Change Order

\$1,729.00

	25-1		22118 Trolle Phone (530)	DC TILE or Road, Grass Vi 288-0275 FAX (1 1003384 RK AUTHORIZA)	CA 9584 1107 CA 9418 130 288 0418	9			
i			EXTRA WO	268-0275 FAX ensi CA HEDSSEE RK AUTHORIZA	(QN)				
DAT CUST JOB	OVERNO	1-2020	2 1100	Struction				Customer	1
FIEL	D ORDER NO	0		s authorized by sub) hayment will be interested by the interested		. work!	isted below	سسما وا	
		ZG 4-KO							
September 200	Harriston Company			enemo. Nama propriation			OYTOS		
LABOR		STTIME	a de la compa	angan kanalah s	780 <u>(                                   </u>	TOTAL H	OURS OE BOU	BLE TIME	
(Salara sar, Liva )		ST TIME	OVERTIME		780 <u>(                                   </u>	TOTAL H	OURS ME DOU	BLE TIME	
LABOI # of Men	Classification		OVERTIME	DOUBLE TIM	780 <u>(                                   </u>	TOTAL H	OURS ME DOU	BLE TRM	
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#### APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval. 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, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the DSA Forms or DSA Publications webpages.

	(Is this a resubmittal? Yes	No (			
Deferred Submittal □	Addendum Number:	Revision Number:	CCD N	lumber: 3	Category A ✓ or B
2. PROJECT INFORMA	ATION:				
	Chabot Las Positas Community	/ College		DSA File Num	ber: 1 C2
Project Name/School: Chabot College MPOE Replacement				DSA Application	
3. APPLICANT INFOR			157 W		
Date Submitted: 11/09/2	20	Attached Pa	ages? No ☐Yes ✓ Nu	mber of pages?	2
Firm Name: ATI Archite	ects & Engineers		me: Donna Foster	, 0	
Work Email: dfoster@ati	iae.com	Work Phone	9: (925) 648-8800		
Firm Address: 4750 Will	low Road Suite 250	City: Pleas		State: CA	Zip Code: 94588
4. REASON FOR SUBI	MITTAL: (Check applicable be	oxes)		7.	
☐ For revision or addend	dum prior to construction.		☑ For	a project currently	under construction.
☐ For a project that has a 90-Day Letter issued	a form DSA 301-N: Notification	of Requirement for Certifica	tion, DSA 301-P: Post	ted Notification of F	Requirement for Certification
☐ To obtain DSA approv	val of an existing uncertified bui	lding or buildings.			
☐ For Category B CCD t	his is: a voluntary submittal,	a DSA required submittal	(attach DSA notice red	quiring submission)	).
THE RESERVE OF THE PERSON NAMED IN	ONAL IN GENERAL RESPON				Total State of Life
Name of the Design Prof	fessional In General Responsib	le Charge: Anna Win			
Professional License Nur	mber: C23260	Discipline:	Architecture		
Signature:		DNAL IN GENERAL RESPONSIBLE	E CHARGE		
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3486 Investment Blvd., Suite B, Hayward, CA 94545 P 650.508.1700 F 650.508.1705

DATE:

12/8/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

CCD 4, 3M Fire Barrier Duct Wrap Installation at FSD's

PCO#:

20

Dear Peter,

Per CCD4, below is the cost to furnish and install 3M fire barrier duct wrap at indicated FSD locations.

DESCRIPTION	Material	Labor	Sub		Total Co	ost
Norther Services Inc.				310		
CCD 4, 3M Fire Barrier Duct Wrap Installation at FSD's	\$	- \$	- \$	1,323	\$	1,323
SUBTOTAL					\$	1,323
Markup - Subcontractor					\$	66
Insurance - 1%					\$	13
Bonds - 1.5%					\$	20
TOTAL COST					\$	1,423

Feel free to contact me with any questions or concerns.

Sincerely,

Keith Reynolds

Digitally agned by Keith Reynolds

Dit Callst @redarbolders.com,
Gridenthe Reynolds
Date: 2020,12,09 12,49,45-0890\*

Keith S. Reynolds Project Manager Rodan Builders, Inc.



P.O. Box 15489 San Francisco, CA 94115 P: (800) 594-9205 F: (510) 842-3105 www.northernserviceinc.com

C-4, C-20, C-36

Dec 4, 2020

Rodan Builders 3486 Investment Blvd Suite B Hayward, CA 94545

#### Change Order 7

This is change order to put the 3-M Fire Wrap around the FSD, NSI will provide the following work:

• Install 3-M Fire Wrap around FSD

Total Price \$1,323.26

Labor \$900

Material \$385.66

Sales Tax 9.75 \$37.60

This price includes Material, Labor, Sales Tax, Freight

Sincerely	X
Andrew Osborne	Rodan Builders
- Sulra Olom	
President and Estimator	
(800) 594-9405 Office	Χ
(925) 525-6447 Cell	Date
C-4, C-20, C-38	
Serving California Since 2005	
BIM, Design Build, Construction	х
Service	Purchase Order



P.O. Box 15489 San Francisco, CA 94115 P: (800) 594-9205 F: (510) 842-3105 www.northernserviceinc.com

C-4, C-20, C-36

Oct 15, 2020

Rodan Builders 3486 Investment Blvd STEB, Hayward, CA 94545

This is rate sheet on work for the Boilers, Air Conditioning, Refrigeration that will include 1yr of service and parts mark up from NSI below are the rates:

Boilers, Air Conditioning, Refrigeration:

**Service Rates** 

\$180 per hour

**Overtime Rates** 

\$270 per hour 3hr min

**Trip Charge** 

\$95 per service call

Mark Up Rates

Parts up to \$1000 are 1.67% mark up

Over \$1000 1.43% mark up



140

#### APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

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	s this a resubmittal? Yes	The second second			
Deferred Submittal □	Addendum Number:	Revision Numbe	CCD	Number: 4	Category A ✓ or B
2. PROJECT INFORMAT					
	habot Las Positas Community			DSA File Num	
THE RESIDENCE OF THE PARTY OF T	abot College MPOE Replacer	ment		DSA Applicati	on Number 01 118445
. APPLICANT INFORM	SEAL PROPERTY.				
Date Submitted: 11/18/20			Pages? No ☐Yes ✓ N	umber of pages?	2
irm Name: ATI Architect	7 - 0		Name: Donna Foster		
Work Email; dfoster@atiae			one: (925) 648-8800	T	
Firm Address: 4750 Willow		City: PI	easanton	State: CA	Zip Code: 94588
A COLUMN TO SERVICE STATE OF THE SERVICE STATE OF T	ITTAL: (Check applicable bo	oxes)			
For revision or addendu					under construction.
For a project that has a a 90-Day Letter issued.	form DSA 301-N: Notification	of Requirement for Certi	fication, DSA 301-P: Pos	sted Notification of	Requirement for Certification
To obtain DSA approva	l of an existing uncertified bui	lding or buildings.			
For Category B CCD thi	s is: a voluntary submittal,	a DSA required submit	tal (attach DSA notice re	equiring submission	).
DESIGN PROFESSIO	NAL IN GENERAL RESPON	SIBLE CHARGE:			
lame of the Design Profes	ssional In General Responsib	le Charge: Anna Win			
rofessional License Num	ber: C23260	Disciplin	e: Architecture		
ignature:	DESIGN PROFESSIO	ONAL IN GENERAL RESPONS	SIBLE CHARGE	-	
CONFIDMATION DES	COUNTION AND LICTING OF	E DOCUMENTO.			
	SCRIPTION AND LISTING O				
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#### 20-1102 CLPCCD MPOE Replacement Bldg. 300

25555 Hesperian Boulevard, Hayward, California



To 1 reviewer

From

Alex Tellez

atellez@rodanbuilders.com

3M Fire Barrier Duct Wrap

Nov 16, 2020

0/1 complete

Awaiting review - 0/1 reviews complete

Submittal No.

Version

Spec Section

Due date

64

1

23 33 00

Nov 26, 2020

Included Items

Reviewers

Reviewer

ATI ARCHITECTS AND ENGINEERS 4750 Willow Road, Suite 250, Pleasanton, CA 94588 Review Response Submittal/Shop Drawing Review

Date Reviewed

Peter Espinosa (STV Inc.)

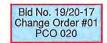
NO FACE PRIORS TAKEN

Checking is only for general conformance with the design concept of the project and general compliance with the Information given and the

Please see attached Supplied of the content of the second review and approval. The 8 th of the commence wrap will be frestabled on both the supply and return ducts for FC-316B. Note, this had bladed and lechniques of construction; Coordination of his/her work with out of partition sheet metal product received within RFI response #67 FSD Installation Obstructions. The out of partition sheet metal assembly cannot be acquired due to no available material stock.

12/7/20

No Exception Taken see attached DSA Approved CCD 4





P.O. Box 15489 San Francisco, CA 94115 P: (800) 594-9205 F: (510) 842-3105 www.northernserviceinc.com

C-4, C-20, C-36

Nov 16, 2020

Rodan Builders 3486 Investment Blvd Suite B Hayward, CA 94545

**RFI FSD** 

The last FSD that will be installed will be installed in the wall wrapped with 3M Fire Barrier Duct Wrap 615+ around the FSD, NSI will provide the following work:

- Install last FSD in the wall
- Wrap the FSD with 3M Fire Barrier Duct Wrap 615+
- Tie strap with metal bands around the FSD

Sincerely

Andrew Osborne

President and Estimator (800) 594-9205 Office (925) 525-6447 Cell

C-4, C-20, C-38

Serving California Since 2005

BIM, Design Build, Construction Service







### Zero clearance to combustible throughout the entire enclosure system.

#### 3M™ Fire Barrier Duct Wrap 615+

Provides excellent insulating capabilities and offers a space-saving alternative to traditional bulky fire protection methods such as installing a gypsum wall shaft or enclosure. This wrap is commonly used in commercial kitchen grease ducts, as well as ventilation air ducts. Duct Wrap 615+ protects both air and grease ducts for up to two hours.

- Lightweight (6 lbs per cu ft) and thin (1.5 in\*) for easier application
- . Up to 2-hour fire protection
- Third party certified to ASTM E2336 (grease duct test standard) and ISO 6944 (air duct test standard)
- Supports maximum temperatures of up to 2192°F (1200°C)
- Apply 2 layers for grease ducts
- Apply 1 layer for air ducts (external fire threat)
- · Blanket is adhesively bound to the foil scrim

\*In accordance with the tolerances in ASTM C892 Standard Specification for High-Temperature Fiber Blanket Thermal Insulation.

#### **Kitchen Exhaust Ducts**

Approved for use on kitchen exhaust ducts, per ASTM E2336 providing 1 and 2 hour protection with a 2-layer system.

#### Stair Pressurization and Life Safety Ventilation Ducts

Duct Wrap 615+ is tested to ISO 6944 Type A and can be used on stair pressurization ducts and other life safety air ducts, providing 2 hour protection with a 1 layer system.









# Grease Duct Listings for 3M" Fire Barrier Duct Wrap 615+ Fire Resistive Rating Enclosure System Duct System, Intertek Testing 2 layers of 3M" Fire Barrier Duct Wrap 615+, 3" (76mm) perimeter and 3" (76mm) longitudinal overlaps 3MU/FRD 120-19

#### Codes and Standards for 615+, Grease Duct\*

- NFPA 96, 2017 Edition
- NFPA 96, 2014 Edition
- Uniform Mechanical Code, 2018 Edition, Section 507.4.5
- International Mechanical Code, 2018 Edition, Section 506.3.11
- International Mechanical Code, 2015 Edition, Section 506.3.11



Fire Resistive Rating	<b>Enclosure System</b>	<b>Duct System</b>	Through-Penetration System	Listing Agency
			W-L-7180	
		V-27	W-J-7104	UL
			F-C-7054	
	1 layer of 3M™ Fire Barrier Duct	1	W-L-7180	
l or 2 hours	Wrap 615+, 3" (76mm) perimeter	V-31	W-J-7104	UL
	and longitudinal overlaps		F-C-7054	
			3MU/PH 60-03	
		3MU/FRD 120-15	3MU/PV 120-23	Intertek
			3MU/PV 120-25	

#### Codes and Standards for 615+, Air Duct\*

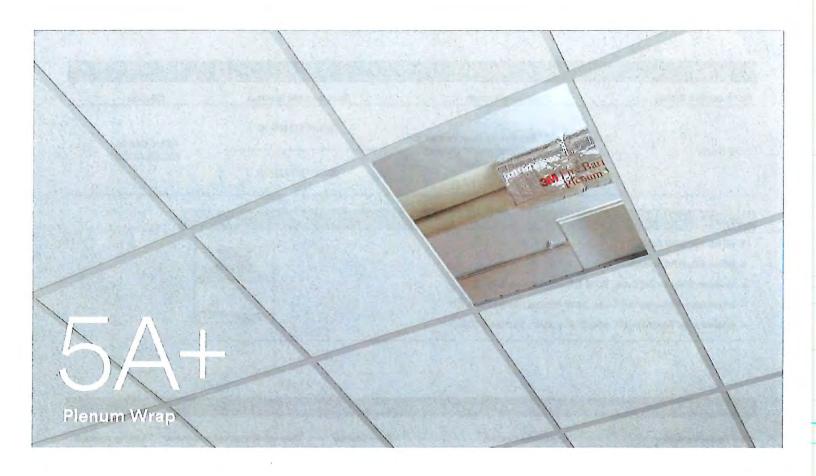
- NFPA 90A, Standards for the Installation of Air Conditioning and Ventilating Systems, 2018 Ed.
- NFPA 92 Standard for Smoke-Control Systems, 2018 Edition Section 6.6.2
- NFPA 101 Life Safety Code, 2006 Edition Section(s) 8.6.7, 18.7.7
- International Mechanical Code, 2018 Edition Section 513.10.2
- International Building Code, 2018 Edition Section 909.10.2



\*This is only a partial list of codes and standards. Go to 3M.com/firestop or speak to your authorized 3M distributor or sales representative at 1-800-328-1687.







### Keep your plenum areas safe by wrapping plastic pipes and cables.

#### 3M™ Fire Barrier Plenum Wrap 5A+

Creates a fire-resistive enclosure that reduces flame and smoke spread ratings to code compliant levels in return air plenums. The strong, thin and lightweight product is extremely easy to manipulate and install, particularly around pipes and cabling.

- ASTM E84, NFPA 262 (UL 910), and UL 1887
- · Strong, lightweight and flexible material for easy installation
- · Foil scrim encapsulated blanket



#### Listings for 3M™ Fire Barrier Plenum Wrap 5A+

Enclosure System: 1 layer of 3M<sup>™</sup> Fire Barrier Plenum Wrap 5A+, 1" (25mm) perimeter and longitudinal overlaps

#### Design Listing Number,

Intertek	Protected Item	Testing
3MU/FRD 120-16	Plastic Pipe: PVC, CPVC, ABS, PB, PE, PP and PVDF	UL 1887
3MU/FRD 120-17	Cabling with PVC, CPVC, ABS, PB, PE, PP and PVDF jacketing	NFPA 262 (UL 910)
3MU/BI 120-01	Plastic Pipe: PVC, CPVC, ABS, PB, PE, PP and PVDF	ASTM E84

#### Surface Burning Characteristics (ASTM E84 for 5A+)

Enclosure System	Flame Spread	Smoke Developed
Foil Encapsulated Blanket	0	0
Blanket	0	0
Foil Encapsulated Blanket around plastic pipes	0	45 (modified E84)



#### Fire protection designed for wood frame construction.

#### 3M™ Dryer Ventilation Wrap

3M™ Dryer Ventilation Wrap is a fire-resistant wrap that consists of an inorganic fiber blanket encapsulated with a scrim-reinforced foil. This dryer ventilation wrap has been designed as a strong, lightweight and flexible material for easy installation.

This product is engineered to create a fire-resistive enclosure capable of 1-hour ratings to acceptable levels for dryer and kitchen ventilation ducts in wood frame fire rated construction.

- Provides single layer 1-hour rating for dryer, bathroom and domestic kitchen ventilation ductwork
- · Strong, lightweight and flexible
- · Features foil encapsulated scrim
- Non-asbestos wrap
- Provides equal Fire and Temperature rating (F&T)
- Tested to ASTM E2816, Condition B

#### Listing for 3M™ Dryer Ventilation Wrap

Enclosure System: 1 Layer of 3M™ Dryer Ventilation Wrap, with either 1" (25mm) or tightly butted perimeter and longitudinal overlaps\*

Design	Listing	Num	ber,

Intertek	Protected item	Testing
3MU/DI 60-02	Up to 7" Diam. or 4" x 10" Steel Duct	ASTM E2816, Condition B

<sup>\*</sup>See listing for full installation steps and requirements.





#### 3M™ Interam™ Endothermic Mat E-5A-4

Tested for a full range of critical applications, E-5A-4 blocks heat by chemically absorbing it — when exposed to extreme heat, it releases chemically bound water that cools the outer surface of the mat. This helps reduce the rate of temperature rise and slows heat transfer even during intense fires. Provides up to 4-hour fire protection for structural steel applications in accordance with ASTM E119, up to 3-hour fire protection for electrical circuit applications in accordance with ASTM E1725 and, when applied to the back and sides of metallic utility boxes, our endothermic mat helps achieve an equal F-rating and T-rating in membrane penetrations of rated walls assemblies. It also protects fuel oil piping.

- Endothermic design releases cooling chemical-bound water when exposed to extreme heat
- Versatile: rated for structural steel, electrical and communication circuitry (i.e., emergency responder DAS — Distributed Antenna Systems), wall opening membranes and fuel oil piping
- Flexible: easy to cut and configure for installation on complex shapes and around corners
- Non-corrosive and requires no maintenance when properly installed
- Provides protection against intense fires including hydrocarbon pool fires and jet fires



Protected Building System	Fire Resistive Rating	Enclosure System	Testing	Listing Agency
Structural Steel	Up to 4 hours	X206	ASTM E119	UL
Electrical or Communication		3MU/AF 120-01 >1" Conduit		Intertek
	Up to 3 hours	System No. 34 >4" Conduit	ASTM	UL
		3MU/AF 180-02 Cable Bundle	E1725 (UL 2196)	Intertek
		3MU/AF 180-03 Junction Box		Intertek
Large Metallic Membrane Penetration	Up to 2 hours	W-L-7190	ASTM E814 (UL 1479)	UL
Fuel Oil Piping	Up to 3 hours	FP-1, FP-2	UL 1489	UL

For more information including oil and gas applications, visit 3M.com/emat

#### Choose the right wrap for the right application.

Applications	615+	5A+	Dryer Ventilation	E-5A-4
Grease Duct	•			
Ventilation Air Duct	•			
Life Safety Duct (Stair Pressurization, Smoke, Exhaust, etc.)	•			
Plenum Applications		•		
Dryer Ventilation	•		•	
Domestic Kitchen Ventilation			•	
Bathroom Ventilation			•	
DAS/Communication Cables				•
Critical Electrical Circuitry				•
Structural Steel	1-			•
Fuel Oil Piping				•
Large Metallic Membrane Penetration				•

Note: Consult individual project plans for which codes and standards apply.

#### Performance comparison.

Performance Characteristics	615+	5A+	Dryer Ventilation	E-5A-4
ASTM C518	•	•	•	
ASTM C411	•		•	
ASTM C1338	•	•	•	
ASTM E84	•	•	•	•
ASTM E814 (UL 1479)	•		•	•
ASTM E119	•			•
ASTM E136	•	•	•	•
ASTM E1725				•
ASTM E2336	•			
ASTM E2816			•	
ISO 6944	•			
NFPA 262 (UL 910)		•		
UL 1887		•		
UL 1709				•

#### Ordering information.

Product		Roll Size (Width x Length)	Thickness	UPC Number	Packaging	Roll Weigh
3M™ Fire Barrier		24" x 25' (60.9cm x 762cm)	*1.5" (38mm)	000-51115-18799-5	1 roll/case 4 cases/pallet	45 lbs (20 kg)
Duct Wrap 615+		48" x 25' (121.9cm x 762cm)	*1.5" (38mm)	000-51115-18800-8	1 roll/case 2 cases/pallet	90 lbs (40 kg)
3M <sup>™</sup> Fire Barrier		24" x 50' (60.9cm x 1524cm)	0.5" (12.7mm)	000-51115-16513-9	1 roll/case 8 cases/pallet	45 lbs (20 kg)
Plenum Wrap 5A+	48" x 25' (121.9cm x 762cm)	0.5" (12.7mm)	000-51115-16574-6	1 roll/case 8 cases/pallet	90 lbs (40 kg)	
3M™ Interam™ Endothermic Mat E-5A-4		24.5" x 20' (62.2cm x 609.6cm)	0.408" (10.4mm)	000-51115-54913-7	1 roll/case 12 rolls/pallet	74.6 lbs (33.8 kg)
		16" x 25' (40.6cm x 762cm)	0.5" (12.7mm)	006-38060-40469-0	1 roll/case 27 rolls/pallet	13.4 lbs (6.1 kg)
3M <sup>™</sup> Fire Barrier Dryer Ventilation Wrap		20" x 25' (50.8cm x 762cm)	0.5" (12.7mm)	006-38060-40495-9	1 roll/case 18 rolls/pallet	16.6 lbs (7.5 kg)
		32" x 25' (81.3cm x 762cm)	0.5" (12.7mm)	006-38060-40496-6	1 roll/case 9 rolls/pallet	25.9 lbs (11.7 kg)

3M's Grease, Chemical Fume and Ventilation Air Duct listings all have affiliated Through-Penetration design listings that comply with ASTM E814. Go to 3M.com/firestop or speak to your authorized 3M distributor or sales representative at 1-800-328-1687 for more information.

#### To learn more, visit 3M.com/firestop



Industrial Tapes and Adhesives Division 3M Center, Building 225-3S-06 St. Paul, MN 55144 USA

1-800-328-1687 3M.com/firestop Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property. Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price. Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including,

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<sup>\*</sup>In accordance with the tolerances in ASTM C892 Standard Specification for High-Temperature Fiber Blanket Thermal Insulation.





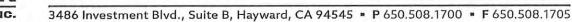
#### APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval. 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, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the DSA Forms or DSA Publications webpages.

SUBMITTAL TYPE: (Is this a resubmittal? Yes No No

Deferred Submittal □	Addendum Numbe	er: Revision N	umber:	CCD Number: 4	Category A ✓ or B			
2. PROJECT INFORM	IATION:							
School District/Owner:	Chabot Las Positas	Community College		DSA File Nur	nber: 1 C2			
Project Name/School:	Chabot College MPO	E Replacement		DSA Applicat	ion Number 01 118445			
3. APPLICANT INFO	RMATION:							
Date Submitted: 11/18	/20	Att	ached Pages? No Y	es ✓ Number of pages?	2			
Firm Name: ATI Archit	ects & Engineers	Co	Contact Name: Donna Foster					
Work Email: dfoster@a	tiae.com	Wo	ork Phone: (925) 648-88	B00				
Firm Address: 4750 W	llow Road Suite 250	Cit	y: Pleasanton	State: CA	Zip Code: 94588			
4. REASON FOR SUE	BMITTAL: (Check app	olicable boxes)						
☐ For revision or adder	ndum prior to construc	tion.		☑ For a project current	y under construction.			
☐ For a project that has a 90-Day Letter issue		Notification of Requirement for	Certification, DSA 301	-P: Posted Notification of	Requirement for Certification or			
☐ To obtain DSA appro	oval of an existing unc	ertified building or buildings.						
☐ For Category B CCD	this is: a voluntary	submittal, a DSA required s	ubmittal (attach DSA n	otice requiring submission	n).			
MITTER WINDS TO STATE OF THE ST	THE RESERVE AND ADDRESS OF THE PARTY.	RESPONSIBLE CHARGE:			2 2 3 3 3 4 4 7 1			
Name of the Design Pro	ofessional In General	Responsible Charge: Anna W	ľin					
Professional License N	umber: C232	60 Dis	scipline: Architecture					
incorporation into the co	onstruction of the proje	Grunase	in	ne project specifications.	тпеу ате ассертавле тог			
6 CONFIDMATION F	A STATE OF THE PARTY OF THE PAR	PROFESSIONAL IN GENERAL RES ISTING OF DOCUMENTS:	SPONSIBLE CHARGE					
For addenda, revisions, Design Professional list	or CCDs: CHECK TH ed on form DSA 1: Ap cuments Prepared by	IIS BOX of to confirm that all publication for Approval of Plans Other Professionals, and IR A	and Specifications for	this project. (For Deferre	d Submittals, refer to IR A-18:			
Due to obstructions on co	orridor side, fire smoke	ope for this post-approval docu e damper needs to be installed continuous fire rating around the	d out of plane of the exi	isting 1-hr. fire rated wall.	A fire barrier wrap is proposed be used as part of a tested			
List of DSA-approved do Sheets M301	rawings affected by th	is post-approval document:			Bid No. 19/20- Change Order # PCO 020			
		DSAIL	SE ONLY					
		DSAU	Return	ned	DSA STAMP			
SSSD	ate □A	pproved □Disapproved □Not Re	equired Date:					
Comments:			Ву:		APPROVED			
FLS_AWD	ate 12/3/2020 (TA	pproved □ Disapproved . □Not Re	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	10,720	OF THE STATE ARCHITECT P: 01-118445 INC: REVIEWED FOR			
Comments:				ss	☑ FLS☑ ACS□			
	ate □A	pproved □Disapproved □Not Re	equired		TE: 12/03/2020			
Comments:								





DATE:

12/28/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

Furnish Material Only Fiber Patch Cords Per Owner Request

PCO#:

21

Dear Peter,

Per owner request, below is the cost to furnish (material only), sixty (60) Systimax 15 foot, LC-LC, TS fiber patch cords #FEWLCLC42-JXF015 and forty (40) Systimax 5 foot, LC-LC, TS fiber patch cords #FEWLCLC42-JXF005.

DESCRIPTION	Material	Labor	Sub		<b>Total Cost</b>	
Beci Electric						
Furnish Material Only Fiber Patch Cords Per	\$	- \$	- \$	3,165	\$	3,165
Owner Request						
SUBTOTAL					\$	3,165
Markup - Subcontractor					\$	158
Insurance - 1%					\$	32
Bonds - 1.5%					\$	47
TOTAL COST					\$	3,402

Feel free to contact me with any questions or concerns.

Sincerely,

Keith Reynolds

Disc LuS

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Prodan Builders, finc., "Chi-Keith
Reynolds gerodanbuilders.com,
Reynolds gerodanbuilders.com,
Reynolds gerodanbuilders.com,
Reynolds gerodanbuilders.com,
Reynolds

Keith S. Reynolds Project Manager Rodan Builders, Inc.

#### Time and Material Change Order Pricing Project: Chabot Bldg 300 MPOE Replacement Company: Company: Rodan Builders PCO #: 11 Contact: Keith Reynolds Date: 12/23/20 3486 Investment Blvd. Suite B Address: Description: Fiber Patch Cords City, State Zip: Hayward, CA 94545 Telephone: 650-508-1700 Fax: Description of Work: Drawing Number: Unit Materials - itemized Quan. Unit Price Extension \$ \$ 2 \$ 3 4 \$ 5 \$ 6 \$ 7 \$ 8 \$ 9 \$ 10 \$ Materials Subtotal: \$ Equipment - itemized by equipment \$ 2 \$ \$ 3 4 \$ \$ 5 Rent of Equipment Subtotal: Unit Labor - itemized description Quan. **UOM** Price Extension Item \$ 2 \$ \$ 3 4 \$ \$ 5 Labor Subtotal: \$ Summary: Materials before tax Subtotal: \$ Sales Tax: \$ Rent of Equipment Subtotal: \$ Labor Subtotal: \$ Materials, Rental Equipment, Labor Subtotal: \$ Overhead and Profit (Materials & Equipment) 15% \$ Overhead and Profit (Labor) 15% \$ Subcontractors Subtotal: Item SubTier Contractors Quote \$ 3,104,00 \$3,014.00 Sasco 2 \$ 3 Second Tier Subcontractor(s) Subtotal: \$ 3,104.00 \$3,014. 155.00 \$150.77 Profit at 5.00%: \$ 3,259.00 Subtotal: \$ \$3,164.7 Subcontractor + 2nd tier Subcontractor(s) Subtotal: \$ 3,259.00 Total this Page: \$ 3,259.00

Bid No. 19/20-17 Change Order #01 PCO 021 Total from Previous Pages

Proposal Grand Total: \$\frac{3,259.00}{} \\$3,164.



598 Gibralter Drive Milpitas, CA 95035

Phone: (408) 970-8300 Fax: (408) 970-8140

December 17, 2020

License # 583536

Sasco Data 598 Gibraltar Drive Milpitas, CA 95035

Attn: Wendy Pinos

RE: Chabot Fiber Patch Cord Proposal #2

Dear Wendy,

I hereby submit this proposal for your approval.

#### **SCOPE OF WORK**

Provide the following patch cords:

- Sixty (60) Systimax 15 foot, LC-LC, TS fiber patch cords #FEWLCLC42-JXF015
- Forty (40) Systimax 5 foot, LC-LC, TS fiber patch cords #FEWLCLC42-JXF005

#### **PRICING**

Materials: \$ 3,014.00 <u>Labor</u>: \$ 00.00 **TOTAL**: \$ 3,014.00

Sincerely,

Mike Cimino

Sasco Senior Project Manager



#### **Keith Reynolds**

From:

Espinosa, Peter L. <Peter.Espinosa@stvinc.com>

Sent:

Tuesday, December 22, 2020 11:22 AM

To:

Keith Reynolds

Subject:

RE: more fiber patch cords

Also, this is for material only.

#### PETER ESPINOSA, CCM

Sr. Construction Manager

Construction Management Division



505 14<sup>TH</sup> Street; Suite 1060 | Oakland, CA 94612-1406

office: (510) 763-1313 | mobile: (510) 301-3416

Email: peter.espinosa@stvinc.com

100 Years, PROVIDING QUALITY SERVICE SINCE 1912

From: Keith Reynolds <a href="mailto:kreynolds@rodanbuilders.com">kreynolds@rodanbuilders.com</a>

Sent: Tuesday, December 22, 2020 11:11 AM

To: Espinosa, Peter L. <Peter.Espinosa@stvinc.com>

Subject: FW: more fiber patch cords

Hi Peter,

Sasco is a sub of Beci Electric's. I will need to forward this to them so they can prepare a CO to Rodan. Please confirm.

Thanks,

Keith

From: Espinosa, Peter L. < Peter. Espinosa@stvinc.com >

Sent: Tuesday, December 22, 2020 11:06 AM

To: Keith Reynolds <a href="mailto:kreynolds@rodanbuilders.com">kreynolds@rodanbuilders.com</a>

Subject: FW: more fiber patch cords

Hi Keith,

Please submit the attached as a PCO, thanks.

Peter

#### PETER ESPINOSA, CCM

Sr. Construction Manager

Construction Management Division



505 14TH Street; Suite 1060 | Oakland, CA 94612-1406

office: (510) 763-1313 | mobile: (510) 301-3416

Email: peter.espinosa@stvinc.com

100 Years, PROVIDING QUALITY SERVICE SINCE 1912

From: Wendy Pinos < wpinos@clpccd.org> Sent: Tuesday, December 22, 2020 10:59 AM

To: Espinosa, Peter L. <Peter.Espinosa@stvinc.com>

Subject: more fiber patch cords

Here are the additional patch cords I need.

Wendy

Please consider the environment before printing this e-mail.

Redesigned and rebuilt: visit our new website at www.stvinc.com









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**Keith Reynolds** Project Manager

3486 Investment Blvd, Suite B, Hayward, CA 94545 P 650.508.1700 C 650.740.0560 F 650.508.1708 Bid Fax 650.508.1705

E kreynolds@rodanbuilders.com

rodanbuilders.com

HAYWARD + CONCORD

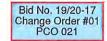














3486 Investment Blvd., Suite B, Hayward, CA 94545 P 650.508.1700 F 650.508.1705

DATE:

1/5/2020

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

Ceiling Transfer Grille per Submittal Response #67

PCO#:

22

Dear Peter,

Below is the cost to furnish and install one (1) 18x30 air transfer grille inside the UPS room as requested within Submittal response #67.1.

DESCRIPTION	Material	Labor	Sub		Total Co	st
Northern Services Inc.						
Ceiling Transfer Grille per Submittal	\$	- \$	- \$	1,104	\$	1,104
Response #67						
SUBTOTAL					\$	1,104
Markup - Subcontractor					\$	55
Insurance - 1%					\$	11
Bonds - 1.5%					\$	17
TOTAL COST					\$	1,187

Feel free to contact me with any questions or concerns.

Sincerely,



Keith S. Reynolds Project Manager Rodan Builders, Inc.



P.O. Box 15489 San Francisco, CA 94115 P: (800) 594-9205 F: (510) 842-3105 www.northernserviceinc.com

C-4, C-20, C-36

Dec 24, 2020

Rodan Builders 3486 Investment Blvd Unit B Hayward, CA 94545

Change Order 9

This is change order for installation of transfer grill from UPS room to Data Room, there will be only 1 installed and will be 18x30, NSI will provide the following work:

Install 1 transfer grill 18x30

Total Cost \$1,104.13

Transfer Grill \$350.

Labor \$720

Sales Tax \$34.13

Sincerely Andrew Osborne

President and Estimator (800) 594-9205 Office (925) 525-6447 Cell

C-4, C-20, C-38

Serving California Since 2005

BIM, Design Build, Construction Service



Interface Engineering 135 Main Street, Suite 400

San Francisco, CA 94105 TEL 415.489.7240 www.interfaceengineering.com

#### **Submittal Review**

Project Number	2019-0105	Date	December 8, 2020 <b>December 22, 2020</b>
Project Name	Chabot College - B200 MPOE/DAS Relocation		
То	Anna Win	Phone	(925) 648-8800
			067
	ATI Architects + Engineers	Ref #:	067.1
	4750 Willow Road, Suite 250		4,11
	Pleasanton, CA 94588		
Reviewed By	Jared Doescher, PE, LEED AP	@	Interface Engineering, Inc.

Applies To

Mechanical

System(s)

**HVAC Test and Balance Report** 

See disposition codes listed below.

Any action shown below is subject to the requirements of the Contract Documents. Contractor is responsible for the dimensions and quantity which shall be confirmed and correlated at the job site, fabrication processes and techniques of construction, coordination of the work with that of all other trades, and the satisfactory performance of the work.

The disposition code "No Exception Taken" constitutes that our review is for general conformance with the design concept expressed in the Contract Documents for the limited purpose of checking for conformance with information given.

Where a submitted manufacturer differs from the basis of design manufacturer, the Contractor must obtain approval through the Substitution Request process as outlined in the Contract Documents before submitting alternate manufacturer. After receiving approval, additional coordination documents may be required. Reference the Submittals Requirements for specific details.

Incomplete or piecemeal submissions will be returned to the Contractor without review. The Contractor may incur additional charges if submittals are not in compliance with the Contract Documents.

Reference Submittal Requirements in Division 01, General Requirements, as well as the Submittals Requirements in Divisions 21 through 28, Basic Requirements.

The following items were reviewed for conformance with the requirements of the Contract Documents.

	Dispositio						
Item / Comments	N	M	1	R 2	F		
FC-1     a. 2500 CFM specified; 2625 CFM provided.	х						
<ol> <li>FC-2</li> <li>a. 2500 CFM specified; 2600 CFM provided.</li> </ol>	X						

#### Disposition Code

- N No exception taken.
- M Make corrections noted. Resubmittal not required if installation complies with notes.
- R Revise and resubmit.
  - Manufacturer not approved. Resubmit.
  - Does not meet requirements of Contract Documents. Returned without review. See comments above and Submittal Requirements in the Specifications. Resubmit.
- F Forward specified item above.

		Disposition				
Iten	n / Comments	N	M	1	2	
	FC-3	,,				
	a. 2500 CFM specified; 2610 CFM provided.	X				
4.	FC-4	V				
	a. 2500 CFM specified; 2620 CFM provided.	Х				
5.	(E) FC-316A	_				
	a. (E) CD (Outlet 1 on air balance report)- 590 CFM specified; none provided. Confirm that outlet was not demolished and if so that it will be replaced. Air balance not required but ceiling transfer grilles will need to be located in the UPS room.		x			
	b. 18x18 SG-1 (Outlet 2 on air balance report)/ 740 CFM specified; 620 CFM					
	provided. No exception taken to the final balanced airflow provided. The design air flow was based on as built drawing information, and excess airflow does not alter design intent.	Х				
	c. 12x10 SG-1 (Outlet 3 on air balance report)/ 335 CFM specified; 675 CFM provided.	X				ĺ
	d. 12x10 SG-1 (Outlet 4 on air balance report)/ 335 CFM specified; 590 CFM provided. Rebalance outlet to within 10% of the design airflow.	х				
	e. 36x12 RG-1/ 1260 CFM specified, none provided. Provide measured airflow.					
	Airflow not required, comment removed					
6.	(E) FC-316B					
	a. 36x18 SG-1/ 1600 CFM specified; 1750 CFM provided.	Х				
	b. 36x12 RG-1/ 1260 CFM specified; 1575 CFM provided.	Χ				
	c. Outside air intake / 160 existing airflow, 175 provided.	Х				
7.	Room 137					
	a. CD (Supply outlet 1 on air balance report)/ 410 CFM existing airflow, 420 CFM provided. Confirm that door operation is not affected by the positive pressurization of the room.		х			
	b. CD (Supply outlet 2 on air balance report)/ 350 CFM existing airflow, 360 CFM provided. Confirm that door operation is not affected by the positive pressurization of the room.		х			
	c. CD (Supply outlet 3 on air balance report)/ 430 CFM existing airflow, 440 CFM provided. Confirm that door operation is not affected by the positive pressurization of the room.		х			
	d. CRG (Return 1 on air balance report)/ 230 CFM existing airflow, 240 CFM provided. Confirm that door operation is not affected by the positive pressurization of the room.		x			
8.	Room 138					
	a. CD/ 220 CFM existing airflow, 240 CFM provided.	X				
	b. CRG/ 170 CFM existing airflow, 180 CFM provided.	X				

#### Disposition Code

N No exception taken.

Manufacturer not approved. Resubmit.

Make corrections noted. Resubmittal not required if installation complies with notes.

R Revise and resubmit.

Does not meet requirements of Contract Documents. Returned without review. See comments above and Submittal Requirements in the Specifications. Resubmit.

			Disposition						
Item / Comments		N	M	1	R 2	F			
9.	Testing, Adjusting and Balancing of Environmental System certificates / Reviewed.	Х							
10.	Abbreviations / Reviewed.	Х							
11.	Tool Calibration / Reviewed.	X							

T:\2019\2019-0105\Submittals\Mechanical\067.1 - HVAC Test and Balance Report\M20201222 Submittal Review - 067.1.docx

#### Disposition Code

- N No exception taken,
- M Make corrections noted. Resubmittal not required if installation complies with notes.
- R Revise and resubmit
  - Manufacturer not approved. Resubmit.
  - Does not meet requirements of Contract Documents. Returned without review. See comments above and Submittal Requirements in the Specifications. Resubmit.
- F Forward specified item above.



DATE:

3/5/2021

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

RFI 71.1 - FS Pre-Action Activations and Manual UPS EPO Button Rev.1

PCO#:

23R1

Dear Peter,

Per RFI 71.1, below is the cost to provide and program 2 relay outputs for the pre-action system. Includes supply and install of cable running from the suppression panel to the pre-action panel. Connect to the pre-action panel, program panel if needed and if possible. Connections will most likely be zone 1 & 2 or zone 1 if single stage. Revise drawings to show connection to pre-action system. Includes fire sprinkler support for new activities from FA alarm contractor noted above. Once FA scope is complete fire sprinkler sub will be present to test the pre-action system.

DESCRIPTION	Material	Labor	Sub		<b>Total Cost</b>	
Beci Electric						
RFI 71.1 - FS Pre-Action Activations and Manual UPS EPO Button Rev.1	\$	- \$	- \$	2,594	\$	2,594
Walschon Fire Protection						
RFI 71.1 - FS Pre-Action Activations and Manual UPS EPO Button	\$	- \$	- \$	677	\$	677
SUBTOTAL					\$	3,272
Markup - Subcontractor					\$	164
Insurance - 1%					\$	33
Bonds - 1.5%					\$	49
TOTAL COST					\$	3,517

Feel free to contact me with any questions or concerns.

Sincerely,

Keith Reynolds Digitally signed by Kelth Reynolds DN: CaUS, Extremelds@rodanbuilders.com, CN-Kelth Reynolds Date: 2021.03.05 09:34:20-08'00'

Keith S. Reynolds Project Manager Rodan Builders, Inc.

Bid No. 19/20-17 Change Order #01 PCO 23R1

### Time and Material Change Order Pricing

Comp Conta Addre City,	ess:	Rodan Bui Keith Reyn 3486 Inves Hayward, C 650-508-176	olds tment Blvd. Suite B A 94545	I	PCO #: Date:	12 2/9/21	vate FS via FA per RFI 71.1		
Draw	ing Numb	er:	Description of Work:						
		FAT NO.		17/200		Unit		3. 2. F. C.	
Item	Material	s - itemized		Quan.	Unit	Price		Extension	
2							\$	-	
3							\$		
4							\$		
5							\$	1.0	
6							\$		
7							\$	-	
8							\$		
9							\$	*	
10								•	
			OR ALLESS AND THE STREET		Materia	ls Subtotal:	\$	=	
Item	Equipme	nt - itemize	d by equipment				\$	-	
1							S	-	
3							\$		
4							\$		
5							\$		
				Rout of	Fauinwa	nt Subtotal:	\$		
				Kent of	Equipmen	ii Subibiuit	Ф	-	
Item	Labor - i	temized des	cription	Quan.	UOM	Unit Price		Extension	
1							\$		
2							\$		
3							\$		
5							\$	-	
Sum	nary:				Labo	or Subtotal:	\$	- A	
				Mate	erials before	tax Subtotal:	\$		
						Sales Tax:			
				Rei		nent Subtotal:		(14)	
					La	bor Subtotal:	\$		
				Materials, Rental Eq				4	
			Overhead a	and Profit (Materials & I		15%			
				Overhead and Pro	ofit (Labor)	15%	\$	-	
				Subc	ontractors S	Subtotal:	\$	-	
Item	SubTier (	Contractors			Quote				
1	Battalion			\$	£-010	2,470.29			
2				\$		-			
3				\$		4			
				Second Tier S				2,470.29	
					Pi	ofit at 5.00%: Subtotal:		124.00 2,594.29	
			Sul	bcontractor + 2nd tier Su	bcontractor		\$	2,594.29	
				Adama a man and Ma		this Page:	\$	2,594.29	
				To		evious Pages			
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Submitted by: Chad Dillashaw

Bid No. 19/20-17 Change Order #01 PCO 23R1 Proposal Grand Total: \$ 2,594.29



## FIRE LIFE SAFETY REPAIR PROPOSAL

Date:

02/09/2021

Estimate #

AH 02092021-CO02MMddyy-##

To:

Beci Electric

Job Site:

Chabot College

8108 Capwell Drive

Oakland, CA 94621

Site Address:

25555 Hesperian Blvd

Hayward, CA

Attention:

**Chad Dillashaw** 

Phone:

209-559-5689

Email:

chad@becielectric.com

### **SCOPE OF WORK:**

- Scope of work / Clarifications/ Change Order #02
  - This change order provides the following in addition to the base scope of work.
    - Provide and Program 2 relay outputs for the pre-action system
    - Supply and install cable running from the suppression panel to the pre-action panel
    - Connect to the pre-action panel, program panel if needed and if possible.
       Connections will most likely be zone 1 & 2 or zone 1 if single stage
    - Revise drawings to show connection to pre-action system
    - Supplier of pre-action system must be present to test the pre-action system

9 Hours of labor @ \$180 p/hour \$ 1,620.00

Cable and Misc Hardware \$ 195.00 \$ 214.01

Tax \$19.01

Shop Drawings \$ 636.28

Total Change Order #02 \$ 2,470.29

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	llon One Fire Protection, Inc.	Service Order #:	FA. 1561.
Single State	Cendko; CA: 94577 19 (6)(0) (65848075 5)(0) (653480788  ballathenorefilescent	Date:  O2/03/Zo21 Sales Representative:	04100 1011115
		###   ###   ##########################	Sprinkler / Mechanical Kitchen Hood Inspection
Contact Names (RANID) SOCIONA Phoness: Iddo Location CMAPEN COMP BUDG 300		Agraement Tiyper.  Agraement Tiyper.  Tilme & Watterial Pites Mottor Exceed. Lump Sumfike deter	\$ Seo(IS)
Control (Name)  Chone (II)  Control (Name)  Chone (II)  Control (Name)	rdr		18 🗓 🖺
NFC-14(10) FACU ALAY2MI MUXIMON TRIMID SYSMIX (VIES E180, FO-1845 Latarii Productii	EARL PALATEM AND TOWNS.  (AND TOWNS DWAS).  (AND TOWNS DWAS).  (AND TOWNS DWAS).  (AND TOWNS).  (AND TOWNS).  (AND TOWNS).	O TO TOURSE PARE  TO THE HOUSE PARE  TO THE HOUSE  AND TANK OF COME  OUT ON HOUSE	Torside METO WATER
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Bid No. 19/20-17 Change Order #01 PCO 23R1

#### Walschon Fire Protection, Inc. 2178 Rheem Dr. Suite A, Pleasanton, CA 94588 Phone: 650-594-1588 Fax: 650-594-1613 License # 568438- C16 PROPOSED ESTIMATE JOB NAME: Chabot College, MPOE Room JOB# 200358 DATE: 1/12/2021 GC: Rodan Builders PCO#3 DESCRIPTION: Support new activities from Fire Alarm Contractor; "provide and program 2 relay outputs for preaction system & test" Labor Rate MATERIAL EXTENSION TAKE OFF LABOR LABOR LABOR EQUIPMENT DESCRIPTION UOM PRICE EXTENSION QUANTITY UNIT HOURS EXTENSION DESCRIPTION **UOM** RATE # HRS LABOR EXT MATERIAL EQUIPMENT HR HR \$131.28 \$525.12 \$0 \$63.84 \$0.00 \$525.12 Design / Egineering / Coordination \$0.00 \$0.00 \$63.84 0 TOTAL DIRECT COSTS 588.96 OVERHEAD AND PROFIT MARKUP 15% \$ 88.34 TOTAL COST FOR ALL CHANGES 677.30 PRICING VALID FOR THIRTY (30) DAYS. SUBJECT TO CHANGE PRIOR TO ACCEPTANCE. By signing below, you acknowledge that the above described work shall modify the terms and conditions of the contract and that you are directing Walschon Fire Protection, Inc. to proceed with the work as described above.

You further agree to issue a valid change order within 10 working days of the completion of the above described work. In the absence of a valid change order being issued, you acknowledge that the total cost of this change will be added to the next billing cycle as a valid claim.

Date

Authorized Signature



## RFI 0071.1 - FS Pre-Action Activations and Manual UPS EPO Button

Status: Sent to reviewer

Due Date: Dec 14, 2020

### Question

Alex Tellez (Rodan Builders Inc.) on Dec 11, 2020 at 12:01 PM PST

#### RFI #71.1:

Please see attached follow-up RFI from Beci Electric requesting plans and details showing how the fire sprinkler pre-action cabinet system is to be activated.

Pre-action panel will be provided with control monitor relay by Fire Alarm Clean Agent Vendor/Battalion One that would make the pre-action panel a smoke zone, such that when positive smoke and fire still exist in the room, the pre-action will trigger the activation of the sprinkler system. See schematic as attached. T. Mortera/MPE RFI #71:

This RFI is per the conference meeting held on 12/11/2020 with the design team and contractors to review sequence of operations for fire life safety system. An expedited review and response to this RFI is requested.

#### Item #1:

The response to RFI 0055 provides direction for the FS contractor to coordinate connection of the pre-action cabinet to the building fire alarm system for "monitoring and supervision", this has been completed. That RFI response does not provide any information or direction on the activation of the pre-action system. ASI 04 does provide a revised sequence of operations that shows the pre-action system being activated by the clean agent system. This is added scope. Please confirm the district is requesting pricing to complete direction provided in ASI 04.

#### Item #2:

The ASI 04 sequence of operations also includes the shut down of the UPS by the clean agent system, which is also reflected in item C-2 of the Sequence of Operations on drawing F-000. In addition there is a manual EPO shown on the original F-121 drawing with the note F.B.O. (furnished by others), this EPO switch is not shown on the electrical drawings or anywhere else in the project documents. ASI 02 shows the deletion of the EPO switch however per the teleconference on 12/11/20 it was implicated the design team would like it added back in. Is the EPO now to be installed for manual shutdown of the UPS, if so who is to provide under the F.B.O. designation? Installation and connection of the EPO would be added scope after the deletion in ASI 02.

#### Item #3:

Additionally during the conference meeting, it was mentioned by the sprinkler contractor that when the pre-action sprinkler system is triggered the cabinet will fill the system with water. Sprinkler heads will not release until activated by a fire/heat source. Please review/compare this information with the sequence issued within ASI 04 and confirm this is accurate.

- 1) Provide pre-action system initiation from the activation of one photoelectric smoke detector per Specification Section 21 13 19. Please clarify "Is the fire out?" on the sequence of operations. The activation of the pre-action system should not require any manual activation/intervention.
- Q. System Operation Single Interlock:

Alarm Sequence of Operation:

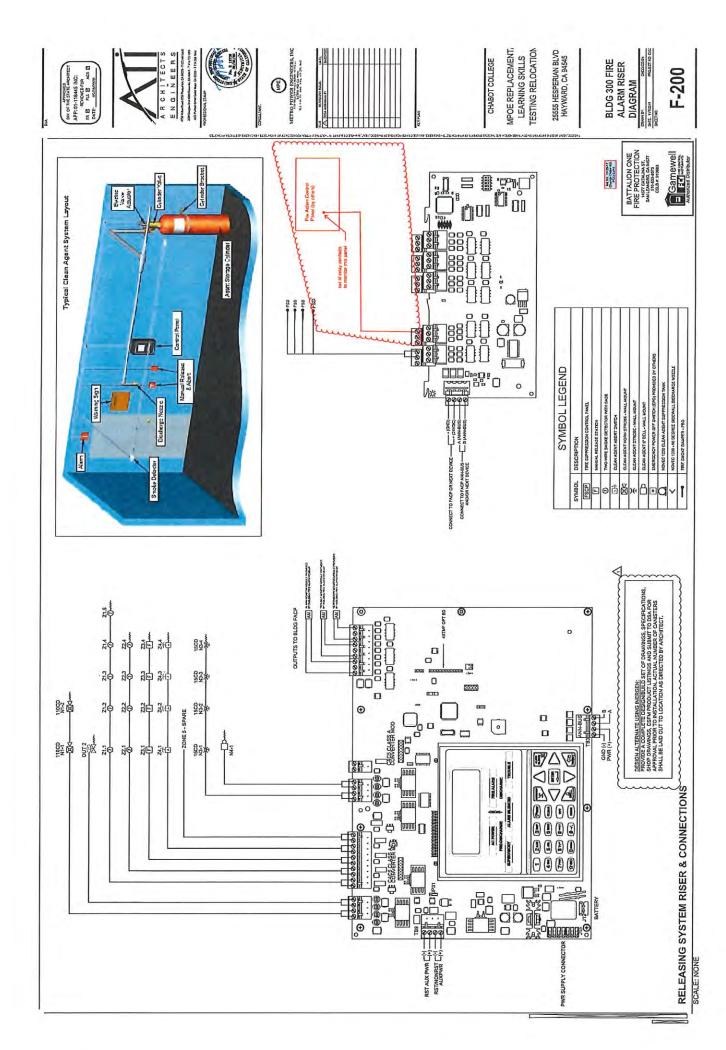
- Activation of one automatic initiating device or manual release station causes system to enter "alarm" mode including following operations:
  - Provide local annunciation of alarm zone and condition and audible and visual alarm signal at control panel.
  - Provide manual "acknowledge" function at control panel to silence audible alarm signal. Visual signal remains displayed until initiating alarm is cleared.
  - Transmit "alarm" signal to building fire alarm control panel.

Initiate the alarm bells located in the protected space.

- 5) Open solenoid valve thereby operating sprinkler preaction valve and filling the sprinkler pipes with water in the protected space.
- Operate emergency power off for the equipment in the protected space.
- Operate HVAC fan shutdown and damper closure in the protected space.
- Operation of sprinkler system fusible element in conjunction with automatic initiating device or manual release station discharges water from the operated sprinkler.
- 3) This is correct. Upon the activation of a single smoke detector, the pre-action system solenoid will release, allowing water to fill the pre-action system piping. Any sprinkler head on the system will not open and flow water until a sufficient heat source activates the sprinkler head.

Ethan Brown, MEngFPE, EIT

01/08/2020





Beci Electric, Inc. ■ 8137 Capwell Dr. ■ Oakland CA 94621 ■ 510.635.1477 ■ Fax 510.635.1478 ■

TITLE:

FS Pre-Action Activation

REQUEST FOR INFORMATION

NO.

22

DATE:

12/15/20

PROJECT:

20-1538

Chabot MPOE Replacement

TO:

Rodan Builders 859 Cowan Rd

Burlingame, CA 94010

Phone:650 508-1700 Fax:650-508-1705

**REQUEST:** 

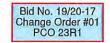
Scheduling Impact:

Monetary Impact: N

The response to RFI 71 again only provides direction for the FS pre-action cabinet to provide alarm, supervisory and trouble relay outputs to the FA system, this has already been accomplished. The sequence of operations provided in RFI 71 response still does not specify how the pre-action system is to be activated. Please provide details as to how the system is to be activated.

Requested By:	Date:	
Signed:		
		Page 1 of 1

# RFI Response #71 FS Pre-Action Activations and Manual UPS EPO Button





### RFI 0071 - FS Pre-Action Activations and Manual UPS EPO Button

Status: Sent to reviewer

Due Date: Dec 14, 2020

### Question

Alex Tellez (Rodan Builders Inc.) on Dec 11, 2020 at 12:01 PM PST

This RFI is per the conference meeting held on 12/11/2020 with the design team and contractors to review sequence of operations for fire life safety system. An expedited review and response to this RFI is requested.

#### Item #1:

Item #2:

The response to RFI 0055 provides direction for the FS contractor to coordinate connection of the pre-action cabinet to the building fire alarm system for "monitoring and supervision", this has been completed. That RFI response does not provide any information or direction on the activation of the pre-action system. ASI 04 does provide a revised sequence of operations that shows the pre-action system being activated by the clean agent system. This is added scope. Please confirm the district is requesting pricing to complete direction provided in AS

Per specification 211319-3.01-R Provide alarm, supervisory and trouble relay output connections to the building lire alarm system along with associated power and control wiring, conduit, and terminations. No additional cost to the owner is anticipated. Coordinate termination locations with equipment installation manual wiring diagrams.

Jared Doescher, PE

as bid

ASI 02 did not request deletion of scope. If there was credit issue; District to

reject credit and have switch installed

The ASI 04 sequence of

by the clean agent system, which is also reflected in item C-2 of the Sequence of Operations on drawing F-000. In addition there is a manual EPO shown on the original F-121 drawing with the note F.B.O. (furnished by others), this EPO switch is not shown on the electrical drawings or anywhere else in the project documents. ASI 02 shows the deletion of the EPO switch however per the teleconference on 12/11/20 it was implicated the design team would like it added back in. Is the EPO now to be installed for manual shutdown of the UPS, if so who is to provide under the F.B.O. designation? Installation and connection of the EPO would be added scope after the deletion in ASI 02

EPO is noted on the Fire Alarm plan F-121, to be provided by UPS Vendor and installed by the contractor. See UPS specs 26 3353, part 2.07, E.4. Also, see item 9.5 below as part of the submitted functional test

Additionally during the conference meeting, it was mentioned by the sprinkler contractor that when the pre-action sprinkler system is triggered the cabinet will fill the system with water. Sprinkler heads will not release until activated by a fire/heat source. Please review/compare this information with the sequence issued within ASI 04 and confirm this is accurate.

See attached updated ASI 04.1 per meeting discussion. A. Win 12/15/2020

### 9. FUNCTIONAL TEST

- 9.1. Test Battery mode
- 9.2. Simulate the loss of bypass when on battery testing
- 9.3. Perform ISBM loss of logic power testing
- 9.4. Emergency transfer testing
- 9.5. Local and Remote Emergency Power Off testing
- 9.6. Mini CSB Failure testing
  9.7. Fan Failure Test (ONLY PERFORM IF NO LOAD IS APPLIED)
- 9.8. Building Alarms testing
- 9.9. Basic Easy Capacity testing



### ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS

ASI NO.: 04.1

PROJECT: Chabot College

DATE:

12/14/2020

MPOE Replacement

ATI PROJECT NO.:

C9506

25555 Hesperian Blvd. Hayward, CA 94545

OWNER:

Chabot Las Positas CCD

DSA FILE NO.:

1-C2

7600 Dublin Blvd.

DSA APP. NO.: 01-118445

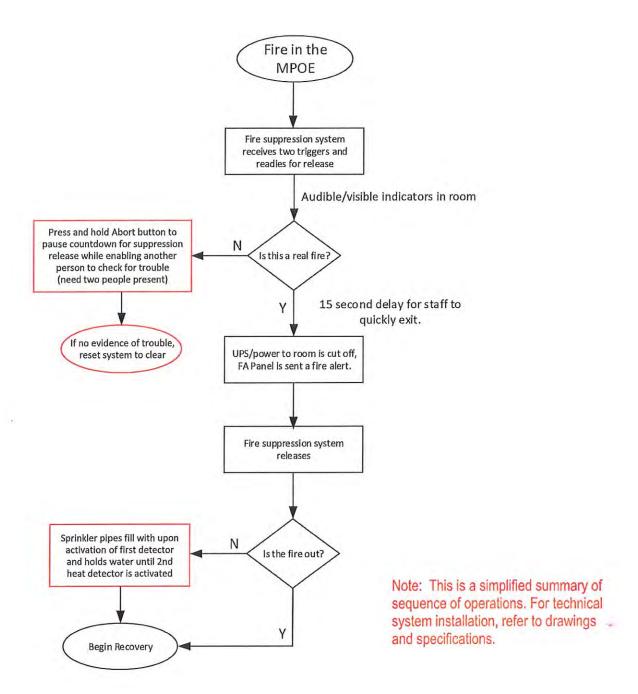
Dublin, CA 94568

The Work shall be carried out in accordance with the following supplementary instructions issued in accordance with the Contract Documents. If a change in Contract Sum or Contract Time is anticipated, submit a proposal for the work before proceeding with the change. Proposal shall be submitted within 5 days from the date of this document.

### DESCRIPTION

 Refer to sequence of operations for Fire Suppression and Pre-Action systems outlined on attached. Additional information is found on Sheet F-000 and Spec. Section 21 1319 - 3.01Q

ENGAGING ENGAGING INDOVATIVE AIRPS



SEQUENCE OF OPERATIONS - FIRE SUPPRESSION AND PRE-ACTION SYSTEMS CHABOT COLLEGE - MPOE REPLACEMENT





### RFI 0055 - Pre-Action Cabinet Control Panel Tie In

Status: Sent to reviewer

Due Date: Oct 28, 2020

### Question

Alex Tellez (Rodan Builders Inc.) on Oct 12, 2020 at 5:49 PM PDT

Per Fire Sprinkler product submittal #50.1 attached, two 120V electrical circuits are required to power the FS Control Panel as well as the compressor. In addition, the pre-action cabinet will need to tie in to the fire alarm system. These connections to the pre-action cabinet are not shown on either the Electrical or Fire Alarm drawings. Please review and provide detailed wiring plans for the fire sprinkler pre-action cabinet.

### For the (2) dedicated 120v circuits:

- 1- Connect the Pre Action Control Panel to existing panel '3R1B'-39. Provide a lock-on device.
- 2-Connect the Compressor to existing panel '3R1B-41.

For Fire Alarm tie-in of the Pre Action Panel, the FS contractor to coordinate the tie-in of the new Pre Action Panel to Building Fire Alarm Contractor for the required monitoring and supervision of this panel.

### Response by:

Tony Q. Mortera

Digitally signed by Tony Q. Mortera
DN: C=US,
E=tony@metropowerengineers.com,
O="Metro Power Engineers, Inc.",
OU=Electrical Engineer, CN=Tony
Q. Mortera
Date: 2020.10.13 09:57:08-07'00'

Per specification 211319-3.01-R Provide alarm, supervisory and trouble relay output connections to the building fire alarm system along with associated power and control wiring, conduit, and terminations. No additional cost to the owner is anticipated. Coordinate termination locations with equipment installation manual wiring diagrams.

Jared Doescher, PE IEI 10/28/20



PROJECT:

Chabot College

DATE:

12/7/2020

MPOE Replacement 25555 Hesperian Blvd.

ATI PROJECT NO .:

C9506

Hayward, CA 94545

OWNER:

Chabot Las Positas CCD

DSA FILE NO .:

1-C2

7600 Dublin Blvd.

DSA APP. NO.:

01-118445

Dublin, CA 94568

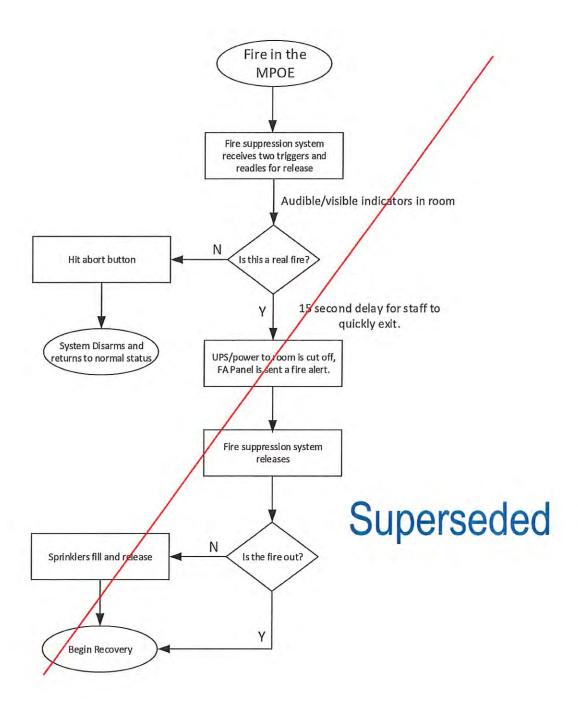
The Work shall be carried out in accordance with the following supplementary instructions issued in accordance with the Contract Documents. If a change in Contract Sum or Contract Time is anticipated, submit a proposal for the work before proceeding with the change. Proposal shall be submitted within 5 days from the date of this document.

### DESCRIPTION

 Refer to sequence of operations for Fire Suppression and Pre-Action systems outlined on attached. Additional information is found on Sheet F-000 and Spec. Section 21 1319, 3.01Q

Superseded

innovativearchitecture minds



SEQUENCE OF OPERATIONS - FIRE SUPPRESSION AND PRE-ACTION SYSTEMS CHABOT COLLEGE - MPOE REPLACEMENT



	ASI
ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS	NO.:
Control of the contro	02

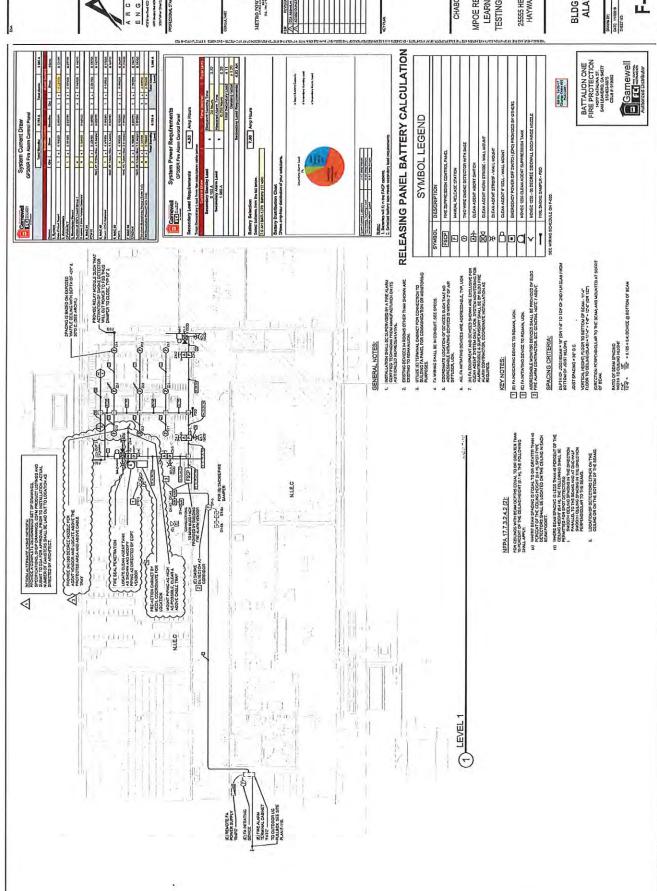
PROJECT:	Chabot College MPOE Replacement 25555 Hesperian Blvd. Hayward, CA 94545	DATE: ATI PROJECT NO.:	10/2/2020 C9506
OWNER:	Chabot Las Positas CCD 7600 Dublin Blvd. Dublin, CA 94568	DSA FILE NO.: DSA APP. NO.:	1-C2 01-118445

The Work shall be carried out in accordance with the following supplementary instructions issued in accordance with the Contract Documents. If a change in Contract Sum or Contract Time is anticipated, submit a proposal for the work before proceeding with the change. Proposal shall be submitted within 5 days from the date of this document.

### DESCRIPTION REFERENCE

 Revise location of clean agent tank to UPS Room, modify piping and placement of nozzle as depicted Blg. 300 Fire Alarm Plan. Fire Alarm vendor to provide piping pressure calcs. Sht. F-121

ENGAGING INDOVATIVE ANDS





(1)

METRO TONTER ENGINEERS. INC



CHABOT COLLEGE

MPOE REPLACEMENT LEARNING SKILLS TESTING RELOCATION

25555 HESPERIAN BLVD HAYWARD, CA 94545

BLDG 300 FIRE ALARM PLAN









3486 Investment Blvd., Suite B, Hayward, CA 94545 \* P 650.508.1700 \* F 650.508.1705

DATE:

1/15/2021

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

Furnish Material Only Fiber TS Patch Cords Per Owner Request

PCO#:

24

Dear Peter,

Per owner request, below is the cost to furnish (material only) sixty (60) Systimax 50 foot, LC-SC, TS fiber patch cords #FEWLCSC42-JXF050.

DESCRIPTION	Material	Labor	Sub		Total Cost	
Beci Electric						
Furnish Material Only Fiber TS Patch Cords	\$	- \$	- \$	2,835	\$	2,835
Per Owner Request						
SUBTOTAL					\$	2,835
Markup - Subcontractor					\$	142
Insurance - 1%					\$	28
Bonds - 1.5%					\$	43
TOTAL COST					\$	3,048

Feel free to contact me with any questions or concerns.

Sincerely,

Keith Reynolds

Digitally signed by Keith Reynolds
DN: C=US,
E=kreyfolds@rodanbuilders.com,
CN=keith Reynolds
Date: 2021.01.15 12:53:20-08:00'

Keith S. Reynolds Project Manager Rodan Builders, Inc.

> Bid No. 19/20-17 Change Order #01 PCO 024

### Time and Material Change Order Pricing

Comp Comp Conta		Rodan Builders Keith Reynolds			Project:		300 M	POE Replacement
Addre City,	ess:	3486 Investment Blvd. Suite B Hayward, CA 94545 650-508-1700		D	Date:	1/13/21 Fiber Patch C	Cords F	Part 2
Draw	ing Numb	er: Description of V	Vork:					
Item	100	s - itemized	Qua	ın.	Unit	Unit Price		Extension
1	1				1		\$	
2				-			\$	
3				-			\$	
5							\$	-
				_	Matavia	la Cubtatale		
Item	Equipme	nt - itemized by equipment			Materia	ls Subtotal:	\$	-
1	Equipme	at - Remized by equipment					\$	-
2							\$	
3	1						\$	1 <del>2</del> ,
4							\$	
5				_			\$	-
			Re	nt of	Equipmen	ut Subtotal:	\$	¥
				_	Ī	Y 1-44		
Item	Labor - i	temized description	Qua	ın.	UOM	Unit Price		Extension
1				-			\$	-
3				-			\$	-
4							\$	
5							\$	6
				-	Lah	or Subtotal:	\$	
Com	nary:				Luve	or Subibiui.	Φ	
Sumi	nury.		1.			Variable de la constant		
				Mate	rials before	tax Subtotal:		
				Ren	t of Fauinn	Sales Tax: nent Subtotal:		
				reon		bor Subtotal:		7
			Materials, Rent	al For				
			Overhead and Profit (Material			15%		4
			Overhead an			15%		
					ontractors S		\$	
Item	SubTion	Contractors		Duoc	Quote	and an arrangement of the second	Ψ	
1	Sasco	Contractors	\$		Quote	2,700.00		
2	20000		\$			-		
3			\$			-		
		181	Second T	ier S		r(s) Subtotal: ofit at 5.00%:	\$	2,700.00 135.00
						Subtotal:		2,835.00
			Subcontractor + 2nd ti	er Su			\$	2,835.00
					Tota	l this Page:	\$	2,835.00
				Tot	al from Pr	evious Pages		

Bid No. 19/20-17 Change Order #01 PCO 024

Proposal Grand Total: \$

2,835.00

Submitted by: Chad Dillashaw



598 Gibralter Drive Milpitas, CA 95035

Phone: (408) 970-8300 Fax: (408) 970-8140

December 14, 2020

License # 583536

Sasco Data 598 Gibraltar Drive Milpitas, CA 95035

Attn: Wendy Pinos

RE: Chabot Fiber Patch Cord Proposal

Dear Wendy,

I hereby submit this proposal for your approval.

### **SCOPE OF WORK**

Provide sixty (60) Systimax 50 foot, LC-SC, TS fiber patch cords #FEWLCSC42-JXF050

### **PRICING**

Materials: \$ 2,700.00

<u>Labor:</u> \$ 00.00 TOTAL: \$ 2,700.00

Sincerely,

Mike Cimino

Sasco Senior Project Manager



3486 Investment Blvd., Suite B, Hayward, CA 94545 \* P 650.508.1700 \* F 650.508.1705

DATE:

3/5/2021

Peter Espinosa, CCM Sr. Construction Manager Construction Management Division

ATTN:

Peter Espinosa, CCM

SUBJECT:

ASI 005 Firestop Pillow Installation

PCO#:

25

### Dear Peter,

Per ASI 005, below is the cost to fill all gaps and openings at each end of cable sleeve at exterior wall with firestop pillows as accepted for use under Submittal 52. Includes sealing of indentified remaining small gaps between and around cables with compatible firestop putty. 3" x 6" x 9" pillows estimated, total of approx. 144 pillows required w/ an added 10% as pillows reduce in size once you pack them into each opening.

DESCRIPTION	Materia	1	Labor		Sub		Total Co	ost
Rodan Builders, Inc. ASI 005 Firestop Pillow Installation	\$	3,110	\$	784	\$	÷	\$	3,894
SUBTOTAL							\$	3,894
Markup - Contractor							\$	584
Insurance - 1%							\$	39
Bonds - 1.5%							\$	58
TOTAL COST							\$	4,575

Feel free to contact me with any questions or concerns.

Sincerely,

Meith Reynolds Edwynolds@rodanbuilders.com, Chi-Rein Reynolds Chi-Reynolds Chi-Reynolds

Keith S. Reynolds Project Manager Rodan Builders, Inc.

> Bid No. 19/20-17 Change Order #01 PCO 025

# COST ANALYSIS

ARCHITECT: ATI         OWNER:         Chabot-Las Positas Community College District         ESTIMATE NO.           QUANTITIES: Breakdown Below         PRICE BY:         KR           DATE         3           Added Scope Per ASI (305)         QUANTITY         UNIT         TOTAL COST           Added Scope Per ASI (305)         UNIT         TOTAL         UNIT         TOTAL	PROJECT: MPOE Replacement/Learning Skills Testing Relocation						0,	SHEET NO.	1 of 1
PRICE BY: KR   DATE   DATE	ARCHITECT: ATI	OWNER:	Chabot-Las Po	ositas Community	/ College District		EST	IMATE NO.	25
QUANTITY UNIT LONT TOTAL COST	QUANTITIES: Breakdown Below	PRICE BY:	Ж					DATE	3/5/2021
QUANTITY UNIT TOTAL UNIT TOTAL UNIT TOTAL UNIT				MAT	TERIAL		LABOR	TOTALC	OST
	Added Scope Per ASI 005	QUANTITY		TINO	TOTAL	TIND	TOTAL	TIND	TOTAL

			M.	MATERIAL		LABOR	7	TOTAL COST	_
Added Scope Per ASI 005	QUANTITY	LINI	TINU	TOTAL	LIND	TOTAL	TINO		TOTAL
Rodan Builders, Inc.									
-X1 JM Carp. 8hrs.	8.0	hrs.	·	٠ \$	\$ 97.9	97.94 \$ 783.52	52	ۍ.	783.52
(installation of 3"x6"x9" fire pillows, CP25 caulk and 3M Putty Pads)									1
Whit Cap Quote #41302488 (attached)	1.0	SJ	\$ 3,110.25	\$ 3,110.25	\$	\$		45	3,110.25
	Total			\$ 3,110.25		\$ 783.52	52	\$	3,893.77



## HITE CAP. ON ACCOUNT



017 - San Francisco 200 Jennings St San Francisco, CA, 94124 (415) 821-5500

### **QUOTE**

41302488

### THIS IS A QUOTE ONLY DO NOT SHIP OR TENDER FUNDS

Sold To:

60647000

RODAN BUILDERS INC

3486 INVESTMENT BLVD SUITE B

HAYWARD, CA, 94545

650-508-1700

Ship To:

CHABOT COLLEGE,10002742342

25555 HESPERIAN BLVD HAYWARD, CA, 94545

HAYWARD, CA, 94545 Job Site Contact:

Job Site Phone:

Map #:

05:09 PM

Ordered By: CLINTON FREED

Contact Phone:

	Quote Number	Quote Date	Valid	Until	Request Date	S	ales Person
	41302488	02/11/2021	03/13	3/2021	02/11/2021		Scott, D
	Terms	Shipping Method	Quote	Name	Customer PO		Created By
	1.510N30	2, Our Truck					Scott, D
SEQ	Part#	Description		Ord Quantity	U/M	Price	Amount
	H/M		The state of the s		Unit WT	COO	
10	479FBP369	3"X6"X9" FIRE BARRIER PI	LLOW 3M	160	EA .85 LBS	\$16.85	\$2,696.00
20	479CP25WB11	100Z CP25 PLUS WB FIRE E CAULK 3M	BARRIER	6	EA 1.13 LBS	\$10.99	\$65.94
30	479MPP4S	7"X7" FIRE PUTTY PAD 3M		16	EA .34 LBS	\$4.50	\$72.00

 Shipped amount
 \$2,833.94

 Order charges
 \$0.00

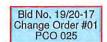
 Tax amount
 \$276.31

 Lumber Tax rate/amount
 1.00%
 \$0.00

 Quote total
 \$3,110.25

Chinned Weight: 148 22	Customer acceptance signature:	Date:	
Shipped Weight: 148.42	Customer acceptance signature:	Date:	

ALL ITEMS AND QUANTITIES REQUIRE CUSTOMER REVIEW AND APPROVAL AVAILABILITY AND LEAD TIMES ARE SUBJECT TO CHANGE SPECIAL ORDERED ITEMS ARE SUBJECT TO MANUFACTURER APPROVAL PRIOR TO RETURN. QUOTE IS SUBJECT TO EXPIRATION AS INDICATED IN THE ABOVE 03/13/2021 DATE.





### ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS

ASI NO.: 05

PROJECT: Chabot College DATE: 2/10/21 ATI PROJECT NO .: C9506 MPOE Replacement 25555 Hesperian Blvd. Hayward, CA 94545 Chabot Las Positas CCD DSA FILE NO .: 1-C2 OWNER: DSA APP. NO.: 7600 Dublin Blvd. 01-118445 Dublin, CA 94568

The Work shall be carried out in accordance with the following supplementary instructions issued in accordance with the Contract Documents. If a change in Contract Sum or Contract Time is anticipated, submit a proposal for the work before proceeding with the change. Proposal shall be submitted within 5 days from the date of this document.

DE	SCRIPTION	REFERENCE
1.	Sheet M002 a. Added CD-1 to Diffuser, Register, and Grille Schedule.	M002
2.	Sheet MD201  a. Demolished transfer boot, and supply ceiling diffuser in (N) UPS Room.	MD201
3,	Sheet M301 a. Added keynote 7. b. Added (2) CD-1 and supply ductwork in (N) UPS Room.	M301
4.	Fill all gaps and openings at each end of cable sleeve at exterior wall with firestop pillows as accepted for use under Submittal 52. Seal any remaining small gaps between and around cables with compatible firestop putty. See reference sheets for location.	T200 T403 T404

innovative architecture minds



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MPOE REPLACEMENT, LEARNING SKILLS TESTING RELOCATION CHABOT COLLEGE

25555 HESPERIAN BLVD HAYWARD, CA 94545

SCHEDULES - MECHANICAL

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M002

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SHEET KEYNOTES

CHABOT COLLEGE
MPOE REPLACEMENT,
LEARNING SKILLS
TESTING RELOCATION

25555 HESPERIAN BLVD HAYWARD, CA 94545 VEL 1 DEMOLITIO

LEVEL 1 DEMOLITIO FLOOR PLAN -MECHANICAL

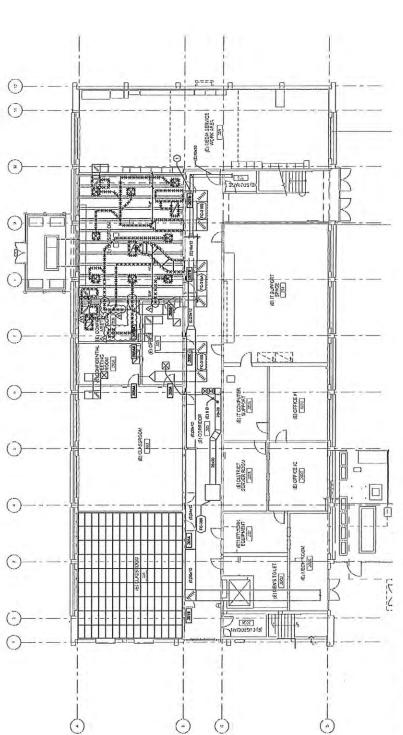
Days Out at

MD201

INTERFACE

STEPPING

STEPP



1 LEVEL 1 DEMOLITION FLOOR PLAN - MECHANICAL

