

CHANGE ORDER FORM

Ravenswood City School District
2120 Euclid Avenue
East Palo Alto, CA 94303

CHANGE ORDER NO.:

4

CHANGE ORDER

Project: Ravenswood MS Realignment PH 1
Bid No.: 2018-19-004

Date: March 26, 2020
DSA File No.: 01-117275
DSA Appl. No.: 01-117275

The following parties agree to the terms of this Change Order:

Owner:

Ravenswood City School
District
2120 Euclid Avenue
E. Palo Alto, CA 94303

Contractor:

Beals Martin, Inc.
2596 Bay Road
Redwood City, CA 94063

Architect:

SVA Architects
2335 Broadway, Suite 301
Oakland, CA 94612

Construction Manager:

TELACU Construction
Management
604 N. Eckhoff Street
Orange, CA 92868

Reference	Description	Cost	Days Ext.
PCO # 58R1F Requested by: Performed by: Reason:	Electrical Changes RFI's 86 & 138 Architect Contractor Additional power required, changes due to rerouting for existing framing.	\$ 19,427.00	0
PCO # 59R1F Requested by: Performed by: Reason:	Added WAPS and Cat 6 Upgrade District Contractor District request.	\$ 10,791.00	0
PCO # 60R6F Requested by: Performed by: Reason:	Fire Alarm changes per RFI 128 District Contractor Additional fire alarm scope added to project.	\$ 136,891.00	0
PCO # 73R2F Requested by: Performed by: Reason:	Added electrical work; Bldg F wiremold; Raceways CCD17 Architect Contractor Additional scope added to project by District, some enhancement.	\$ 59,714.00	0
PCO # 15 Requested by: Performed by: Reason:	Adjustment: Void PCO #15 approved in Change Order #1 Contractor Contractor Credit	\$ (4,820.00)	0
PCO # 15R1F Requested by: Performed by: Reason:	Relocate Power & Signal Outlets per CCD-01 (Rev 2) Architect Contractor Revisions due to CMU walls.	\$ 12,641.00	0

CHANGE ORDER FORM

	Total This Change Order #4	\$ 234,644.00	0
Contract time will be adjusted as follows:	Original Contract Amount:	\$ 6,058,211.00	
Previous Completion Date: [Date]	Amount of Previously Approved Change Order(s):	\$ 392,907.00	
[0] Calendar Days Extension	Amount of this Change Order:	\$ 234,644.00	
Current Completion Date: August 15, 2019	Contract Amount:	\$ 6,685,762.00	

The undersigned Contractor approves the foregoing as to the changes, if any, and the Cost, if any, specified for each item and as to the extension of time allowed, if any, for completion of the entire work as stated therein, and agrees to furnish all labor, materials and services and perform all work necessary to complete any additional work specified for the consideration stated therein.

This change order is subject to approval by the governing board of this district and must be signed by the District.

The compensation and time, if any, granted herein represent a full accord and satisfaction for any and all time and cost impacts of the items herein, and Contractor waives any and all further compensation or time extension based on the items herein. The value of the extra work or changes expressly includes any and all of the Contractors costs and expenses, both direct and indirect, resulting from additional time required on the project or resulting from delay to the project. Any costs, expenses, damages or time extensions not included are deemed waived.

By execution of this Change Order the Contractor specifically waives, relinquishes, and releases any and all rights under Section 1542 of the California Civil Code which reads as follows:

A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS THAT THE CREDITOR OR RELEASING PARTY DOES NOT KNOW OR SUSPECT TO EXIST IN HIS OR HER FAVOR AT THE TIME OF EXECUTING THE RELEASE AND THAT, IF KNOWN BY HIM OR HER, WOULD HAVE MATERIALLY AFFECTED HIS OR HER SETTLEMENT WITH THE DEBTOR OR RELEASED PARTY.

Signatures:

District:

Gina Sudaria
Interim Superintendent

Date

Contractor:

Dwight Ortmann
President

Date

Architect:

(SIGNATURE ATTACHED)
Chris Bradley

Date

Construction Manager:

Norine Bruno

Date

END OF DOCUMENT

CHANGE ORDER FORM

	Total This Change Order #4	\$ 234,644.00	0
Contract time will be adjusted as follows:	Original Contract Amount:	\$ 6,058,211.00	
Previous Completion Date: [Date]	Amount of Previously Approved Change Order(s):	\$ 392,907.00	
[0] Calendar Days Extension	Amount of this Change Order:	\$ 234,644.00	
Current Completion Date: August 15, 2019	Contract Amount:	\$ 6,685,762.00	

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This change order is subject to approval by the governing board of this district and must be signed by the District.

The compensation and time, if any, granted herein represent a full accord and satisfaction for any and all time and cost impacts of the items herein, and Contractor waives any and all further compensation or time extension based on the items herein. The value of the extra work or changes expressly includes any and all of the Contractor's costs and expenses, both direct and indirect, resulting from additional time required on the project or resulting from delay to the project. Any costs, expenses, damages or time extensions not included are deemed waived.

By execution of this Change Order the Contractor specifically waives, relinquishes, and releases any and all rights under Section 1542 of the California Civil Code which reads as follows:

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Signatures:

District:

Gina Sudaria
Interim Superintendent

Date

Contractor:

Dwight Ortmann
President

Date

Architect:

Chris Bradley

Date

Construction Manager:

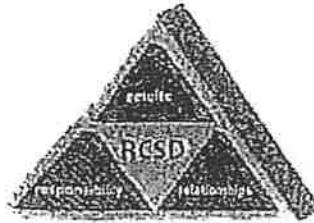
Norine Bruno

Date

END OF DOCUMENT

CHANGE ORDER FORM

RAVENSWOOD CITY SCHOOL DISTRICT



Ravenswood Middle School
Realignment Phase 1
Project Number: 2018-19-004

PROPOSED CHANGE ORDER – PCO # 58 RIF

TO: RAVENSWOOD CITY SCHOOL DISTRICT DATE ISSUED: 10/24/19

FROM: BEALS MARTIN PRICING DUE BY: _____

REFERENCE RFI # 86 & 138

REFERENCE RFQ # _____

CONSTRUCTION CHANGE DIRECTIVE # _____

AMOUNT \$ 19,427

DESCRIPTION: ELECTRICAL CHANGES

Please submit an itemized quotation for change in the contract sum and time incidental to the proposed modifications to the Contract Documents as described herein. Cost breakdown format shall be as specified including all back up documentation.

RAVENSWOOD CITY SCHOOL DISTRICT

THIS IS NOT A CHANGE ORDER. THIS IS A DIRECTIVE TO PROCEED WITH THE WORK HEREIN DESCRIBED WHEN SIGNED BELOW.

REQUESTED BY:

A. ☒ Architect
D. ☐ Owner

B. ☐ DSA Inspector

C. ☐ Contractor

COST IMPACT:

A. ☐ NONE
C. ☒ ADD: \$ 19,429

B. ☐ DEDUCT: \$ _____

TIME IMPACT:

A. ☒ NONE
C. ☐ ADD: _____ DAYS

B. ☐ DEDUCT _____ DAYS

APPROVAL OF THE PCO BY ALL PARTIES LISTED BELOW SERVES, AS A NOTICE TO PROCEED AND PCO WILL BE FOLLOWED BY A FORMAL CHANGE ORDER.

Contractor:

BY: 

Architect:

BY: _____

District

BY: _____

Construction Manager:

BY: _____



2596 Bay Road, Redwood City, CA 94063

PCO
58R1F

PROPOSED CHANGE ORDER

Ravenswood Middle School

10/7/2019

<u>DESCRIPTION OF WORK</u>	<u>SUBCONTRACTOR</u>	<u>AMOUNT</u>
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Electrical chnges per RFI 86 & 138	Sanpri	18,141
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Subcontractor Subtotal	\$	18,141
GC Markup 5%		907
Subcontractor Subtotal	\$	19,048
Bond @2%		381
SUBTOTAL #1: Subcontractor Total	\$	19,429

<u>DESCRIPTION OF WORK</u>	<u>AMOUNT</u>
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Supervision: 0 hrs @ \$125/hour	\$	0
Supervision OT 0hrs @ \$167/hour		0
Carpentry Labor hrs @ \$93/hour		0
Laborer hrs @ \$65/hour		0
Lumber		0
Hardware @35%		0
Dumpster		0
GC Subtotal	\$	0
GC Markup 15%		0
GC Subtotal	\$	0
Bond @2%		0
SUBTOTAL #2: GC Total	\$	0

TOTAL PCO AMOUNT (#1 + #2) \$ 19,429

Impact of 0 days



SANPRI ELECTRIC, INC.

14548 Charmeran Ave., San Jose, CA 95124
CA LICENSE #828272 – DIR#1000007024



Change Order RFI-3295-138 Revisions to Base Bid Drawings

Project: Ravenswood MS Realignment
Sent To: Beals Martin, Ron Talain
Date: 9-06-19
Division: Electrical

Scope of work: Revised Electrical Drawing EF12.2A.. 12.2B
Instructions by RFI-3285-138
Additional Power Circuiting tp added
Exhaust Fans, New Conduit runs for
HVAC control wiring (Furn by Mechanical)
Added Time Clocks for HVAC Controls
Added additional circuit breakers for
(E) Panel A2 (No Panel Schedule)

Total Invoice Price: ADD \$ 18,141.42

Exclusions:: Roof Penetrations, Roof Caps & Flanges
Cut, Patch & Paint-Walls, Floors & Ceilings
Overtime Labor
Furnish & Install HVAC control cable & terminations

Area of the work: Locker Rooms Only

Note: Time Clocks installed adjacent to Panel A2

JOB NAME RAVENSWOOD MS REALIGNMENT RFI-138
 EST BY: SAN PRI ELECTRIC INC
 SHEET

DATE 9-06-19
 EST# RARFI138
 MATERIAL LABOR HRS.

A1 X ASSEMBLIES #1-50
 A2 X ASSEMBLIES #50-100
 1 X ELECTRICAL MATERIALS
 2 X
 3 X
 4 X
 5 X
 6 X
 7 X
 8 X
 9 X
 10 X
 11 X
 12 X
 13 X
 14 X
 15 X
 16 X
 17 X
 18 X

\$3,834.05

93.25

MISC. MATERIAL & LABOR

PRICING SHEET MATERIAL TOTALS

\$3,834.05

QUOTATIONS

LIGHTING LIGHTING QUOTATION SUMMARY

POWER POWER

QUOTE #1

QUOTE #2

QUOTE #3

QUOTE #4

QUOTE #5

QUOTE #6

QUOTE #7

QUOTE #8

QUOTED MATERIAL COST

OVERHEAD SUMMARY

LABOR % 5 \$615.48
 MATERIAL % 5 \$191.70
 QUOTES % 5
 JOB COST % 5
 OVERHEAD \$807.18

PROFIT SUMMARY

LABOR % 5 \$615.48
 MATERIAL % 5 \$191.70
 QUOTES % 5
 JOB COST % 5
 PROFIT \$807.18

SALES TAX SUMMARY

LABOR %
 MATERIAL % 10 \$383.40
 QUOTES % 10
 JOB COST %
 SALES TAX \$383.40

TOTAL LABOR HOURS

93.25

LABOR RATE

x \$132.01

SUBTOTAL LABOR COST

\$12,309.60

% LABOR FACTOR

LABOR COST

\$12,309.60

MATERIAL COST

\$3,834.05

QUOTES

JOB COST

PRIME COST

\$16,143.65

OVERHEAD

\$807.18

NET COST

\$16,950.83

PROFIT

\$807.18

SALES TAX

\$383.40

SUBTOTAL

\$18,141.42

BOND

SELLING PRICE

\$18,141.42

JOB NAME		PRICING SHEET #1		DATE		9-06-19	
DESCRIPTION		RAVENSWOOD MS REALIGNMENT RFI-138		EST #		RARFI138	
		ELECTRICAL MATERIALS		EST. BY		SAN PRI ELEC	
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT	
1	EMT 3/4"	660	\$67.54C	\$445.76	3.50C	23.10	
2	EMT COUP CP 3/4"	66	\$41.84C	\$27.48	7.00C	4.62	
3	EMT CONN CP 3/4"	28	\$43.20C	\$12.10	7.00C	1.96	
4	EMT STRAP 1H 3/4"	132	\$81.00C	\$106.92	6.00C	7.92	
5	THHN CU STRANDED #12	900	\$110.61M	\$99.54	5.00M	4.50	
6	SQ4 1.5D COMBO	7	\$111.78C	\$7.82	25.00C	1.75	
7	SQ4-RING 1G RAISE 5/8"	7	\$273.00C	\$19.11	5.00C	0.35	
8	FLEX STEEL 3/4"	15	\$111.45C	\$16.72	3.50C	0.53	
9	FLEX CONN SQ IR 3/4"	10	\$831.96C	\$63.20	8.00C	0.80	
10	SQ4 COVER BLANK	7	\$77.00C	\$5.39	1.75C	0.12	
11	QUOTATION/COORDINATION	1	\$175.00E	\$175.00	8.00E	8.00	
12	MOTOR RATED SWITCH		E		E		
13	1 PHASE 120V N-1	5	\$85.00E	\$425.00	1.00E	5.00	
14	FA FATC CABINET	1	\$675.00E	\$675.00	8.00E	8.00	
15	FA FAPS CONNECTION	1	E		6.00E	6.00	
16	FA AMP F CONNECTION	1	E		6.00E	6.00	
17	JET LINE	400	\$75.00M	\$30.00	4.00M	1.60	
18	TIME CLOCK FOR HVAC CTL	2	\$675.00E	\$1,350.00	4.00E	8.00	
19	(NO SPEC PROVIDED)		E		E		
20	ADD 20/1 CB @ PANEL A2	5	\$75.00E	\$375.00	1.00E	5.00	
21	(NO PANEL SCHEDULE		E		E		
22	PROVIDED)		E		E		
23			E		E		
24			E		E		
25			E		E		
26			E		E		
27			E		E		
28			E		E		
29			E		E		
30			E		E		
31			E		E		
32			E		E		
33			E		E		
34			E		E		
35			E		E		
36			E		E		
37			E		E		
38			E		E		
39			E		E		
40			E		E		
41			E		E		
42			E		E		
43			E		E		
44			E		E		
SUBTOTAL				\$3,834.05		93.25	
MULTIPLIER (DEFAULT=1)			X	1.00	X	1.00	
SHEET TOTALS FORWARDED TO >>> RECAP				\$3,834.05		93.25	

**REQUEST FOR
INFORMATION**

Submitted by:
Beals Martin, Inc.
2596 Bay Rd

Redwood City, CA 94063
P:650/364-8141 F:650/367-7645

Construction Mgr _____
Architect _____
Owner _____

Response needed by _____

Project: Ravenswood Middle School
Realignment Phase 1
2450 Ramar Ave
East Palo Alto, CA 94303

RFI No.: 3295-138

Request Date: 7/1/2019

Owner: Ravenswood City School District
2120 Euclid Ave
East Palo Alto, CA 94303

Architect's Project No.: _____

Contractor's Project No.: 3295

Architect: SVA Architects
2335 Broadway Suite 301
Oakland, CA 94612

Project Super.: Daniel Johnson
650-208-4696
Project Mgr.: Ron Talain
650-556-5889

Subject: EF12.2B Revisions

Referenced Details: _____

Description: Please see attached RFI from electrical subcontractor

COST IMPACT YES ___ MAYBE X NO ___

TIME IMPACT YES ___ MAYBE X NO ___

NO. OF DAYS: _____

Response: _____

Refer to the attached, revised response to RFI 86.
CB (SVA)
7-10-19

Response by:
(circle one)

Construction Mgr
Architect
Owner

Signed: _____

Date: _____

Ron Talain

From: David E. Ruth <elecdave@gmail.com>
Sent: Sunday, June 30, 2019 12:01 PM
To: Ron Talain; Jose Sanchez; Barbara Burns
Subject: Ravenswood MS Realignment

Follow Up Flag: Follow up
Flag Status: Flagged

Reference: RFI #9, Dated 6-23-19

Please advise on the following:

Is a revised Electrical Drawing for EF.12.2B available
indicating the following:

1. Required details for providing power to the
new mechanical equipment shown on the
Drawing MF12.2B?

The new Mechanical Units are not shown on
electrical drawings.

2. Location of the Time Clock.

Thanks,

Dave @ San Pris Electric Inc

**REQUEST FOR
INFORMATION**

Submitted by:
Beals Martin, Inc.
2596 Bay Rd
Redwood City, CA 94063
P:650/364-8141 F:650/367-7645

Construction Mgr. _____
Architect _____
Owner _____

Response needed by _____

Project: **Ravenswood Middle School
Realignment Phase 1
2450 Rakmar Ave
East Palo Alto, CA 94303**

RFI No.: _____ 3295-88

Request Date: _____ 5/20/2019

Owner: **Ravenswood City School District
2120 Euclid Ave
East Palo Alto, CA 94303**

Architect's Project No.: _____

Contractor's Project No.: _____ 3295

Architect: **SVA Architects
2335 Broadway Suite 301
Oakland, CA 94612**

Project Super.: _____ Daniel Johnson
650-208-4696
Project Mgr.: _____ Ron Talain
650-558-5889

Subject: Ductwork in Locker Rooms

Referenced Details: MF 12.2B; Detail 10/M5.1

Description: New ductwork in locker room restrooms and offices cannot be installed as
shown in the plans on MF12.2B as the roof joists are at 96" AFF in these areas. Please advise.

COST IMPACT YES ___ MAYBE X NO ___

TIME IMPACT YES ___ MAYBE X NO ___

NO. OF DAYS: _____

Response: _____

Response by:
(circle one)

Construction Mgr
Architect
Owner

Signed: _____

Date: _____

RAVENSWOOD CITY SCHOOL DISTRICT



Ravenswood Middle School
Realignment Phase 1
Project Number: 2018-19-004

PROPOSED CHANGE ORDER – PCO # 59R1F

TO: RAVENSWOOD CITY SCHOOL DISTRICT DATE ISSUED: 10/24/19

FROM: BEALS MARTIN PRICING DUE BY: _____

REFERENCE RFI # 60

REFERENCE RFQ # _____

CONSTRUCTION CHANGE DIRECTIVE # _____

AMOUNT \$ 10,791

DESCRIPTION: Added WAPS and upgrade car 6

Please submit an itemized quotation for change in the contract sum and time incidental to the proposed modifications to the Contract Documents as described herein. Cost breakdown format shall be as specified including all back up documentation.

RAVENSWOOD CITY SCHOOL DISTRICT

THIS IS NOT A CHANGE ORDER. THIS IS A DIRECTIVE TO PROCEED WITH THE WORK HEREIN DESCRIBED WHEN SIGNED BELOW.

REQUESTED BY:

A. ☒ Architect

B. ☐ DSA Inspector

C. ☐ Contractor

D. ☐ Owner

COST IMPACT:

A. ☐ NONE

B. ☐ DEDUCT: \$ _____

C. ☒ ADD: \$ 10,791

TIME IMPACT:

A. ☒ NONE

B. ☐ DEDUCT _____ DAYS

C. ☐ ADD: _____ DAYS

APPROVAL OF THE PCO BY ALL PARTIES LISTED BELOW SERVES, AS A NOTICE TO PROCEED AND PCO WILL BE FOLLOWED BY A FORMAL CHANGE ORDER.

Contractor:

BY: 

Architect:

BY: _____

District

BY: _____

Construction Manager:

BY: _____



2596 Bay Road, Redwood City, CA 94063

PCO
59R1F

PROPOSED CHANGE ORDER

Ravenswood Middle School

10/7/2019

<u>DESCRIPTION OF WORK</u>	<u>SUBCONTRACTOR</u>	<u>AMOUNT</u>
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Added WAPS and upgrades to Cat 6 per RFI 60	Sanpri	10,076
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Subcontractor Subtotal	\$	10,076
GC Markup 5%		504
Subcontractor Subtotal	\$	10,580
Bond @2%		212
SUBTOTAL #1: Subcontractor Total	\$	10,791

<u>DESCRIPTION OF WORK</u>	<u>AMOUNT</u>
----------------------------	---------------

Supervision: 0 hrs @ \$125/hour	\$	0
Supervision OT 0hrs @ \$167/hour		0
Carpentry Labor hrs @ \$93/hour		0
Laborer hrs @ \$65/hour		0
Lumber		0
Hardware @35%		0
Dumpster		0
GC Subtotal	\$	0
GC Markup 15%		0
GC Subtotal	\$	0
Bond @2%		0
SUBTOTAL #2: GC Total	\$	0

Impact of 0 days	TOTAL PCO AMOUNT (#1 + #2) \$	10,791
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SANPRI ELECTRIC, INC.



14548 Charmeran Ave., San Jose, CA 95124

CA LICENSE #828272 - DIR#1000007024

Change Order
RFI-3295-60
Revisions to Base Bid Drawings

Project: Ravenswood MS Realignment
Sent To: Beals Martin, Ron Talain
Date: 9-06-19
Division: Electrical

Scope of work:

Added WAPS & Upgrades to Cat 6A

Total Invoice Price: ADD \$ 10,075.86

Exclusions:: Roof Penetrations, Roof Caps & Flanges
Cut, Patch & Paint-Walls, Floors & Ceilings
Overtime Labor



David E. Ruth <elecdave@gmail.com>

Ravenswood VD Change orders CCD1 & RFI 60

1 message

Thu Dao <tdao@signawest.com>

Wed, Jul 3, 2019 at 3:40 PM

To: "David E. Ruth" <elecdave@gmail.com>

Cc: Jose Sanchez <sanprielectric@yahoo.com>, "sanprielec.barbara@yahoo.com" <sanprielec.barbara@yahoo.com>

Dave,

We reviewed it one more time and found there should be 3 change order for the voice and data at this point.

1. CCD1 deletion of walls so (5) data locations were deleted (Attached CO) So, you have to submit it ASAP.
2. RFI 60 Response - Adding and upgrading the WAPs to Cat 6A (Attached CO) So, you have to submit it ASAP.
3. RFI 114 Response - Working on this now but seems to have some issue with locations as it notates to pull new cable to existing location but drawings do show existing location. We have to field verify on Monday and then I can finalize my Change order.

Thank you,

Thu Dao

Signawest Systems Inc

Ph: (510) 795-9999 Fx: (510) 795-9544

2 attachments 2118-S01 SEW-01 CCD No. 1 Data Deletion.pdf
6253K 2118-S03 SEW-03 RFI 60 Response.pdf
8852K

JOB NAME RAVENSWOOD MS REALIGNMENT RFI-60
 EST BY: SAN PRI ELECTRIC INC

DATE

9-06-19

EST#

RARFI60

SHEET

MATERIAL

LABOR HRS.

A1	X	ASSEMBLIES #1-50		
A2	X	ASSEMBLIES #50-100		
1	X	ELECTRICAL MATERIALS	\$6,073.18	19.20
2	X			
3	X			
4	X			
5	X			
6	X			
7	X			
8	X			
9	X			
10	X			
11	X			
12	X			
13	X			
14	X			
15	X			
16	X			
17	X			
18	X			

MISC. MATERIAL & LABOR

PRICING SHEET MATERIAL TOTALS

\$6,073.18

QUOTATIONS

LIGHTING LIGHTING QUOTATION SUMMARY

POWER POWER

QUOTE #1

QUOTE #2

QUOTE #3

QUOTE #4

QUOTE #5

QUOTE #6

QUOTE #7

QUOTE #8

QUOTED MATERIAL COST

OVERHEAD SUMMARY

LABOR	% 5	\$126.73
MATERIAL	% 5	\$303.66
QUOTES	% 5	
JOB COST	% 5	
OVERHEAD		\$430.39

PROFIT SUMMARY

LABOR	% 5	\$126.73
MATERIAL	% 5	\$303.66
QUOTES	% 5	
JOB COST	% 5	
PROFIT		\$430.39

SALES TAX SUMMARY

LABOR	%	
MATERIAL	% 10	\$607.32
QUOTES	% 10	
JOB COST	%	
SALES TAX		\$607.32

TOTAL LABOR HOURS

19.20

LABOR RATE

x

\$132.01

SUBTOTAL LABOR COST

\$2,534.59

% LABOR FACTOR

LABOR COST

\$2,534.59

MATERIAL COST

\$6,073.18

QUOTES

JOB COST

PRIME COST

\$8,607.77

OVERHEAD

\$430.39

NET COST

\$9,038.16

PROFIT

\$430.39

SALES TAX

\$607.32

SUBTOTAL

\$10,075.86

BOND

SELLING PRICE

\$10,075.86

JOB NAME		PRICING SHEET #1		DATE		9-06-19	
DESCRIPTION		RAVENSWOOD MS REALIGNMENT RFI-60		EST #		RARFI60	
		ELECTRICAL MATERIALS		EST. BY		SAN PRI ELEC	
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT	
1	EMT 3/4"	200	\$67.54C	\$135.08	3.50C	7.00	
2	EMT COUP CP 3/4"	20	\$41.64C	\$8.33	7.00C	1.40	
3	EMT CONN CP 3/4"	20	\$43.20C	\$8.64	7.00C	1.40	
4	EMT STRAP 1H 3/4"	40	\$81.00C	\$32.40	6.00C	2.40	
5	SQ4 1.5D COMBO	10	\$111.78C	\$11.18	25.00C	2.50	
6	SQ4-RING 1G RAISE 5/8"	10	\$273.00C	\$27.30	5.00C	0.50	
7	QUOTATION/COORDINATION	1	\$150.00E	\$150.00	4.00E	4.00	
8	LV CABLING QUOTE		E		E		
9	SIGNA WEST SYSTEMS	1	\$5,700.25E	\$5,700.25	E		
10			E		E		
11			E		E		
12			E		E		
13			E		E		
14			E		E		
15			E		E		
16			E		E		
17			E		E		
18			E		E		
19			E		E		
20			E		E		
21			E		E		
22			E		E		
23			E		E		
24			E		E		
25			E		E		
26			E		E		
27			E		E		
28			E		E		
29			E		E		
30			E		E		
31			E		E		
32			E		E		
33			E		E		
34			E		E		
35			E		E		
36			E		E		
37			E		E		
38			E		E		
39			E		E		
40			E		E		
41			E		E		
42			E		E		
43			E		E		
44			E		E		
SUBTOTAL				\$6,073.18		19.20	
MULTIPLIER (DEFAULT=1)			X	1.00	X	1.00	
SHEET TOTALS FORWARDED TO >>> RECAP				\$6,073.18		19.20	

Extra Work

NY 2118-803
DATE 07/03/19

Ravenwood Middle School - Realignment Phase 1
2120 Esculido Avenue
East Palo Alto, CA

Design of

www.electrolyzer.com

408-558-2644

100-210-3741

They Do

80-883

2019-08-13

541210

Voice & Data: Changes (10) WAP locations from having (1) Drop per location to (2) Drops per location and upgraded to Cat 6A. Also, deletes (4) Drops of Data at AV locations per per RFI 80 Respon.

QTY	CR	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	EXTENSION
1185		Levinton	611UK-RLE	0.260	15.20	15.20
40	1186	Levinton	611UK-RLE	0.250	10.00	1.128.00
1100		Levinton	42060-2WB	0.100	4.25	1.7.00
280		Berk-Tek	10139339	0.010	0.41	1.49.051
270		Berk-Tek	10137700	0.094	30.80	1.728.20
1120		Levinton	49255-H18	0.250	135.00	190.00
1714		Slipstream	49255-H18	0.250	1.50	
			Outlet, Cat-6, Blue			
			Outlet, Cat-6A, 8 Position, T568B/B, Blue			
			Wall Plate, 2 Port, White			
			Cable, 4 Pr 23 AWG, LANmark Cat-6, Blu, CMR			
			Cable, 4 Pr 24 AWG, Cat-6A, Blu, CMR			
			48-Port Patch Panel Frame			
			Voice & Data Commission			

Material	2,139.74
Sales Tax	203.25
Freight	108.59
Field Labor	2,788.76
Material Handling	64.19
Warranty	212.12
Doc & Certification	399.48
OH & P	581.51
	18.00%

Approved by: _____ Date: _____

Plan Review / Permit Fee
Day(s) Added to schedule

TOTAL QUOTATION - 6.468.04 -

5700.25

JOB NAME RAVENSWOOD MS REALIGN CCD-17/RFI-114/158
 EST BY: SAN PRIS ELECTRIC INC
 SHEET

DATE 9-06-19
 EST# RACCD17
 LABOR HRS.

MATERIAL

A1	X ASSEMBLIES #1-50		
A2	X ASSEMBLIES #50-100		
1	X WIREMOLD 5400 @ LOCKER/MUSIC RMS	\$5,743.79	97.13
2	X IDF-F TO STORAGE RM RACEWAY	(\$3,308.66)	90.48
3	X RACEWAY TO INTR ALARM PANEL	\$3,633.73	121.64
4	X		
5	X		
6	X		
7	X		
8	X		
9	X		
10	X		
11	X		
12	X		
13	X		
14	X		
15	X		
16	X		
17	X		
18	X		

MISC. MATERIAL & LABOR

PRICING SHEET MATERIAL TOTALS

\$8,068.86

QUOTATIONS

LIGHTING LIGHTING QUOTATION SUMMARY

POWER POWER

QUOTE #1

QUOTE #2

QUOTE #3

QUOTE #4

QUOTE #5

QUOTE #6

QUOTE #7

QUOTE #8

QUOTED MATERIAL COST

OVERHEAD SUMMARY

LABOR	% 5	\$2,879.85
MATERIAL	% 5	\$303.44
QUOTES	% 5	
JOB COST	% 5	
OVERHEAD		\$3,183.29

PROFIT SUMMARY

LABOR	% 5	\$2,879.85
MATERIAL	% 5	\$303.44
QUOTES	% 5	
JOB COST	% 5	
PROFIT		\$3,183.29

SALES TAX SUMMARY

LABOR	%	
MATERIAL	% 10	\$606.89
QUOTES	% 10	
JOB COST	%	
SALES TAX		\$606.89

TOTAL LABOR HOURS

309.25

LABOR RATE

x \$186.25

SUBTOTAL LABOR COST

\$57,598.97

% LABOR FACTOR

LABOR COST

\$57,598.97

MATERIAL COST

\$6,068.86

QUOTES

JOB COST

PRIME COST

\$63,665.83

OVERHEAD

\$3,183.29

NET COST

\$66,849.12

PROFIT

\$3,183.29

SALES TAX

\$606.89

SUBTOTAL

\$70,639.29

BOND

SELLING PRICE

\$70,639.29

JOB NAME		PRICING SHEET #1			DATE		9-06-19
DESCRIPTION		RAVENSWOOD MS REALIGN CCD-17/RFI-114/1EST #			EST. BY		RACCD17
		WIREMOLD 5400 @ LOCKER/MUSIC RMS					SAN PRIS ELE
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT	
1	WIREMOLD 5400 TB	280	\$395.00C	\$1,106.00	6.00C	16.80	
2	WIREMOLD 5400 TC	280	\$216.00C	\$604.80	2.00C	5.60	
3	WIREMOLD 5418 90 OUTSIDE	8	\$34.11E	\$272.88	0.15E	1.20	
4	WIREMOLD 5415 CONN	8	\$49.95E	\$399.60	0.15E	1.20	
5	WIREMOLD 5410-DPO END CAP	8	\$21.75E	\$174.00	0.15E	1.20	
6	WIREMOLD 5411 FO 90 ISIDE	8	\$18.50E	\$148.00	0.15E	1.20	
7	WIREMOLD 54MXN2AO8 CAP	4	\$26.33E	\$105.32	0.15E	0.60	
8	WIREMOLD 5415 TEE CONN	24	\$18.00E	\$432.00	0.15E	3.60	
9	PULL ROPE	520	\$125.00M	\$65.00	6.00M	3.12	
10	COORD/PREP	1	\$175.00E	\$175.00	16.00E	16.00	
11	W/M 5400 SUPPORT	56	\$6.00E	\$336.00	0.15E	8.40	
12	WIREMOLD 2300	250	\$178.00C	\$445.00	4.00C	10.00	
13	WIREMOLD 2300WC WIRE CLIP	50	\$1.35E	\$67.50	0.15C	0.07	
14	WIREMOLD 2306 COVER CLIP	25	\$1.75E	\$43.75	0.15E	3.75	
15	WIREMOLD 2310 END CAP	4	\$13.95E	\$55.80	0.15E	0.60	
16	WIREMOLD 2300 A2 ENTR E/F	4	\$9.55E	\$38.20	0.15E	0.60	
17	WIREMOLD 2315 TEE	16	\$6.45E	\$103.20	0.15E	2.40	
18	WIREMOLD 2310D DIV ENTR E/F	16	\$13.85E	\$221.60	0.15E	2.40	
19	WIREMOLD 2389 REDUC CONN	18	\$4.46E	\$71.36	0.15E	2.40	
20	WIREMOLD 5474 TRANS TAP GT	19	\$18.24E	\$350.94	0.15E	2.89	
21	WIREMOLD 2344.2 BOX DEEP	16	\$14.24E	\$227.84	35.00C	5.60	
22	W/M 2300 SUPPORTS	50	\$6.00E	\$300.00	0.15E	7.50	
23	ABOVE TO REPLACE EXISTING		E		E		
24	WIREMOLD REMOVED BY		E		E		
25	OTHERS		E		E		
26			E		E		
27			E		E		
28			E		E		
29			E		E		
30			E		E		
31			E		E		
32			E		E		
33			E		E		
34			E		E		
35			E		E		
36			E		E		
37			E		E		
38			E		E		
39			E		E		
40			E		E		
41			E		E		
42			E		E		
43			E		E		
44			E		E		
SUBTOTAL				\$5,743.79		97.13	
MULTIPLIER (DEFAULT=1)			X	1.00	X	1.00	
SHEET TOTALS FORWARDED TO >>> RECAP				\$5,743.79		97.13	

JOB NAME		PRICING SHEET #2		DATE		9-06-19
DESCRIPTION		RAVENSWOOD MS REALIGN CCD-17/RFL-114/1EST #		IDF-F TO STORAGE RM RACEWAY		RACCD17
				EST. BY		SAN PRIS ELE
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
1	GRC 4"	10	\$1,749.83C	\$174.98	28.00C	2.80
2	C-BODY LB IR 4" MOGUL	1	\$18,750.00C	\$187.50	175.00C	1.75
3	C-BODY GASKET 4"	1	\$1,172.00C	\$11.72	3.00C	0.03
4	C-BODY COVER 3 1/2"	1	\$1,766.00C	\$17.66	16.00C	0.16
5	WIREWAY N3R 6x6x12	1	\$121.66E	\$121.66	2.00E	2.00
6	EMT 2"	250	\$368.24C	\$920.60	14.00C	35.00
7	EMT COUP CP 2"	37	\$227.87C	\$84.31	22.00C	8.14
8	EMT CONN CP 2"	4	\$220.90C	\$8.84	18.00C	0.72
9	STRUT STRAP EMT 2"	50	\$269.34C	\$134.67	13.00C	6.50
10	STRUT STRAP RIGID 4"	2	\$1,628.00C	\$32.56	19.00C	0.38
11	EMT ELL 2" OFFSET	4	\$877.00C	\$35.08	15.00C	0.60
12	EMT ELL 2"	2	\$654.18C	\$13.08	15.00C	0.30
13	PULLBOX N3R 18x12x6D	1	\$175.68E	\$175.68	1.75E	1.75
14	BUSHING PLASTIC 2"	2	\$383.61C	\$7.67	10.00C	0.20
15	C-BODY LB IR 2"	2	\$5,760.00C	\$115.20	125.00C	2.50
16	C-BODY COVER 2"	2	\$937.50C	\$18.75	15.00C	0.30
17	C-BODY GASKET 2"	2	\$824.00C	\$16.48	5.00C	0.10
18	B-LINE ROOF RUBBER SUPPRTS	23	\$26.00E	\$598.00	0.75E	17.25
19	PULLBOX SUPPORTS	1	\$15.00E	\$15.00	2.00E	2.00
20	EST PREP/COORD MTG	1	\$175.00E	\$175.00	8.00E	8.00
21	(ABOVE MATERIAL FOR		E		E	
22	RACEWAY BETWEEN IDF-F &		E		E	
23	STORAGE ROOM, CONDUIT		E		E	
24	NOT SHOWN ON EF12.3B		E		E	
25	SN-3)		E		E	
26	SIGNA WEST SYS CREDIT)	-1	\$6,173.11E	(\$6,173.11)	E	
27	(SEE ATTACHED DRAWING)		E		E	
28			E		E	
29			E		E	
30			E		E	
31			E		E	
32			E		E	
33			E		E	
34			E		E	
35			E		E	
36			E		E	
37			E		E	
38			E		E	
39			E		E	
40			E		E	
41			E		E	
42			E		E	
43			E		E	
44			E		E	
SUBTOTAL				(\$3,308.66)		90.48
MULTIPLIER (DEFAULT=1)			X	1.00	X	1.00
SHEET TOTALS FORWARDED TO >>> RECAP				(\$3,308.66)		90.48

JOB NAME		PRICING SHEET #3			DATE		9-06-19
DESCRIPTION		RAVENSWOOD MS REALIGN CCD-17/RFI-114/1EST #			EST. BY		RACCD17
		RACEWAY TO INTR ALARM PANEL					SAN PRIS ELE
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT	
1	EMT 1 1/4"	610	\$216.89C	\$1,323.03	10.00C	61.00	
2	EMT ELL 1 1/4"	18	\$440.56C	\$79.30	10.00C	1.80	
3	EMT COUP CP 1"	97	\$126.50C	\$122.70	12.00C	11.64	
4	EMT CONN CP 1 1/4"	12	\$116.60C	\$13.99	10.00C	1.20	
5	B-LINE ROOF RUBBER SUPP	61	\$26.00E	\$1,586.00	0.50E	30.50	
6	PULLBOX N3R 18x18x6D	1	\$248.12E	\$248.12	2.30E	2.30	
7	BOX SUPPORT	1	\$15.00E	\$15.00	1.00E	1.00	
8	STRUT STRAP EMT 1 1/4"	122	\$201.30C	\$245.59	10.00C	12.20	
9	(CONDUITS NOT SHOWN		E		E		
10	ON E10.0, 8-06-19)		E		E		
11			E		E		
12			E		E		
13			E		E		
14			E		E		
15			E		E		
16			E		E		
17			E		E		
18			E		E		
19			E		E		
20			E		E		
21			E		E		
22			E		E		
23			E		E		
24			E		E		
25			E		E		
26			E		E		
27			E		E		
28			E		E		
29			E		E		
30			E		E		
31			E		E		
32			E		E		
33			E		E		
34			E		E		
35			E		E		
36			E		E		
37			E		E		
38			E		E		
39			E		E		
40			E		E		
41			E		E		
42			E		E		
43			E		E		
44			E		E		
SUBTOTAL				\$3,633.73		121.64	
MULTIPLIER (DEFAULT=1)			X	1.00	X	1.00	
SHEET TOTALS FORWARDED TO >>> RECAP				\$3,633.73		121.64	

**REQUEST FOR
INFORMATION**

Submitted by:
Beals Martin, Inc.
2596 Bay Rd

Redwood City, CA 94063
P:650/364-8141 F:650/367-7645

Construction Mgr _____
Architect _____
Owner _____

Response needed by _____

Project: Ravenswood Middle School
Realignment Phase 1
2450 Ralmar Ave
East Palo Alto, CA 94303

RFI No.: 3295-114.1

Request Date: 7/17/2019

Owner: Ravenswood City School District
2120 Euclid Ave
East Palo Alto, CA 94303

Architect's Project No.: _____

Contractor's Project No.: 3295

Architect: SVA Architects
2335 Broadway Suite 301
Oakland, CA 94812

Project Super.: Daniel Johnson
daniel@bealsmartin.com 650-208-4696
Project Mgr.: Ron Talain
ron@bealsmartin.com 650-556-5889

Subject: Follow-Up: Mechanical Units at IDF-F

Referenced Details: MF 12.2A and response to RFI 3295-114

Description: Please provide conduit layout and size from the current IDF-F location to the new drawing locations in F16. Provide conduit path from Bldg F to Bldg C; from Bldg A to Bldg C; and from Bldg K to Bldg A.

COST IMPACT YES ___ MAYBE X NO ___

TIME IMPACT YES ___ MAYBE X NO ___

NO. OF DAYS: _____

Response: _____

- See attached CCD 17 for reference pending DSA approval.

- NS SVA 7.26.19

Response by:
(circle one)

Construction Mgr
Architect
Owner

Signed: _____

Date: _____

Signawest Systems Inc
 7300-D Central Avenue
 Newark, CA 94560-4205
 Ph: 510.795.9999
 Fax: 510.795.9544

Extra Work

NO: 2118-S04R2

Date: 08/12/19

Sampr Electric Inc
 14548 Charming Avenue
 San Jose, CA 95124
 Attn: Jose Sanchez

Ravenswood Middle School - Realignment Phase 1
 2120 Euclid Avenue
 East Palo Alto, CA

QUANTITY	DESCRIPTION	UNIT	STATUS
211818	RFI 114 Response	RFI	Pending
RFI 168 Response	RFI	Pending	

SCOPE OF EXTRA WORK

Notes & Data:

RFI 114: All Fiber work by others. Reduction of Existing IDF is by owner to new IDF. Existing Equipment is not for existing. The locker rooms have changed from (25) data drops to (16) data drop per RFI Response 158. Credit for the original fiber from Bldg A to Bldg K issued. Affiliated Building is Drilling (16) data drop between the Bldgs & Girls locker rooms.

QTY	SIZE	MANUFACTURER	MODEL	DESCRIPTION	LABOR	EXTENSION	MATERIAL	EXTENSION
1	1165	Leviton	61LUK-RLS	Outlet, Cat-6, Blue	0.250	17.25	15.20	(134.80)
1	1100	Leviton	42080-2WS	Wall Plate, 2 Port, White	0.100	(0.00)	4.25	(25.50)
1	280	Berk-Tek	10138339	Cable, 4 Pr 23 AWG, LANmark Cat-6, Blu, CMR	0.010	15.75	0.41	(652.05)
1	1714	Signawest	Labor	Voice & Data Commission	0.250	(2.35)		
1	265	Berk-Tek	PDR012EB3010P2	Fiber Cable, 12 Stran, 50 Micron, OM3, Indoor/ Outdoor	0.014	(4.40)	1.96	(886.00)
1	2240	Leviton	5F100-2QL	Fiber Adapter, 12F, OM3/OM4	0.200	(0.40)	31.00	(182.00)
1	2245	Leviton	48891-LLC	Fiber Connector, LC, OM3/OM4	0.250	(0.00)	19.50	(468.00)
1	2230	Superior Essex	51-489-EL	Cable, 25 Pr, 24 awg, Cat5E Indoor/ Outdoor	0.014	(4.90)	1.86	(581.00)
2	2260	Signawest	Labor	Survey Rooms per RFI 114 to mark up locations & Meetings to resolve the difference of Scope	3.000	16.00		

Material	(2,731.35)
Sales Tax	9.50%
Freight	(136.57)
Field Labor	(2,975.35)
Material Handling	(81.94)
Warranty	(247.41)
Doc & Certification	-4.82
OH & P	10.00%

Approved: _____ Date: _____

Plan Review / Permit Fee
 Day(s) Added to schedule

TOTAL QUOTATION

(6,738.60)

5173.11

Thank you for choosing Signawest as your systems provider. This EXTRA WORK quotation shall remain valid for 90 days from date of issuance. Individual cost(s) are dependent upon approval of the entire EXTRA WORK quotation. Terms are not 45 days and past due balances shall be subject to an interest charge of 1.5% per month, or the maximum permitted by law.



OWNER: RAVENSWOOD CITY SCHOOL DISTRICT
PROJECT NAME: RAVENSWOOD MS REALIGNMENT PHASE 1
CADD NUMBER: 2700 ECHOLS AVENUE EAST PLOT A170, C11 0000



DATE: 04-11-2017
PROJECT: RAVENSWOOD MS REALIGNMENT PHASE 1
SHEET: E10.0

NO.	DESCRIPTION	DATE
1	REVISION	
2	REVISION	
3	REVISION	
4	REVISION	
5	REVISION	
6	REVISION	
7	REVISION	
8	REVISION	
9	REVISION	
10	REVISION	

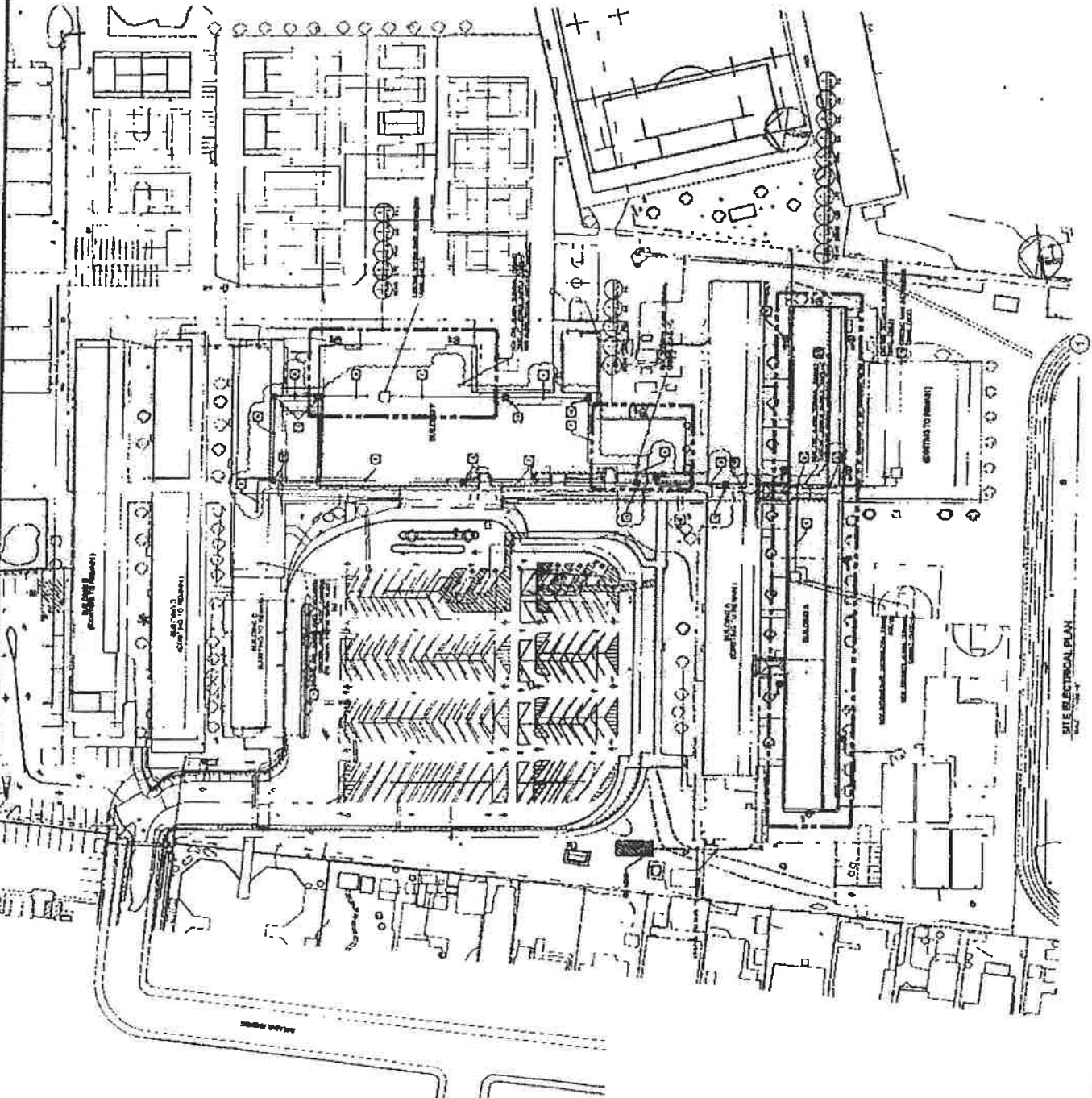
SVA
ARCHITECTS
1000 N. LAKE STREET, SUITE 200
CHICAGO, IL 60610
TEL: 312.555.1234
WWW.SVA-ARCHITECTS.COM

Draft Print
CHICAGO, IL 60610

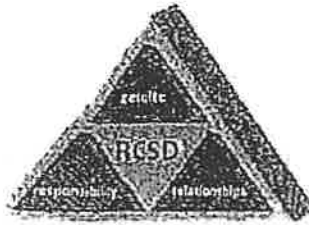
- PLAN NOTES:**
- 1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE ILLINOIS ELECTRICAL CODE.
 - 2. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF CHICAGO ELECTRICAL CODE.
 - 3. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE RAVENSWOOD CITY SCHOOL DISTRICT ELECTRICAL CODE.
 - 4. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE RAVENSWOOD CITY SCHOOL DISTRICT ELECTRICAL CODE.
 - 5. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE RAVENSWOOD CITY SCHOOL DISTRICT ELECTRICAL CODE.
 - 6. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE RAVENSWOOD CITY SCHOOL DISTRICT ELECTRICAL CODE.
 - 7. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE RAVENSWOOD CITY SCHOOL DISTRICT ELECTRICAL CODE.
 - 8. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE RAVENSWOOD CITY SCHOOL DISTRICT ELECTRICAL CODE.
 - 9. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE RAVENSWOOD CITY SCHOOL DISTRICT ELECTRICAL CODE.
 - 10. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE RAVENSWOOD CITY SCHOOL DISTRICT ELECTRICAL CODE.

SITE PLAN GENERAL NOTES:

- 1. THE SITE PLAN IS A GENERAL REPRESENTATION OF THE PROPOSED PROJECT. IT IS NOT A CONTRACT DOCUMENT.
- 2. THE SITE PLAN IS A GENERAL REPRESENTATION OF THE PROPOSED PROJECT. IT IS NOT A CONTRACT DOCUMENT.
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- 10. THE SITE PLAN IS A GENERAL REPRESENTATION OF THE PROPOSED PROJECT. IT IS NOT A CONTRACT DOCUMENT.



RAVENSWOOD CITY SCHOOL DISTRICT



Ravenswood Middle School
Realignment Phase 1
Project Number: 2018-19-004

PROPOSED CHANGE ORDER - PCO # 60R6F

TO: RAVENSWOOD CITY SCHOOL DISTRICT DATE ISSUED: _____

FROM: BEALS MARTIN PRICING DUE BY: _____

REFERENCE RFI # 128

REFERENCE RFQ # _____

CONSTRUCTION CHANGE DIRECTIVE # 16

AMOUNT \$ 136,891

DESCRIPTION: FA CHANGES

Please submit an itemized quotation for change in the contract sum and time incidental to the proposed modifications to the Contract Documents as described herein. Cost breakdown format shall be as specified including all back up documentation.

RAVENSWOOD CITY SCHOOL DISTRICT

THIS IS NOT A CHANGE ORDER. THIS IS A DIRECTIVE TO PROCEED WITH THE WORK HEREIN DESCRIBED WHEN SIGNED BELOW.

REQUESTED BY:

A. ☒ Architect
D. ☐ Owner

B. ☐ DSA Inspector

C. ☐ Contractor

COST IMPACT:

A. ☐ NONE

B. ☐ DEDUCT: \$ _____

C. ☒ ADD: \$ 136,891

TIME IMPACT:

A. ☐ NONE

B. ☐ DEDUCT _____ DAYS

C. ☒ ADD: 30 DAYS

APPROVAL OF THE PCO BY ALL PARTIES LISTED BELOW SERVES, AS A NOTICE TO PROCEED AND PCO WILL BE FOLLOWED BY A FORMAL CHANGE ORDER.

Contractor:

BY: 

Architect:

BY: _____

District

BY: _____

Construction Manager:

BY: _____



2596 Bay Road, Redwood City, CA 94063

PCO
60R6F

PROPOSED CHANGE ORDER

Ravenswood Middle School

10/7/2019

<u>DESCRIPTION OF WORK</u>	<u>SUBCONTRACTOR</u>	<u>AMOUNT</u>
FA changes per RFI 128/CCD 16	Sanpri	104,860
Subcontractor Subtotal		\$ 104,860
GC Markup 5%		5,243
Subcontractor Subtotal		\$ 110,103
Bond @2%		2,202
SUBTOTAL #1: Subcontractor Total		\$ 112,305

<u>DESCRIPTION OF WORK</u>	<u>AMOUNT</u>
Supervision: 160 hrs @ \$131/hour	\$ 20,960
Supervision OT 0hrs @ \$173.50/hour	0
Carpentry Labor hrs @ \$97/hour	0
Laborer hrs @ \$66.50/hour	0
Lumber	0
Hardware @35%	0
Dumpster	0
GC Subtotal	\$ 20,960
GC Markup 15%	3,144
GC Subtotal	\$ 24,104
Bond @2%	482
SUBTOTAL #2: GC Total	\$ 24,586

TOTAL PCO AMOUNT (#1 + #2) \$ 136,891

Impact of 30 days



SANPRI ELECTRIC, INC.

14548 Charmeran Ave., San Jose, CA 95124
CA LICENSE #828272 – DIR#1000007024



Change Order
RFI-3295-128/CCD-12
Revisions to Base Bid Drawings

Project: Ravenswood MS Realignment
Sent To: Beals Martin, Ron Talain
Date: 9-06-19
Division: Electrical

Scope of work: Spartan Engineering Drawing Revisions:

CCD-12 & RFI-128, Spartan Drawings E10.0(revised),
EF12.2B (Revised), EFA0.19Revised), EFA0.3(Revised),
EFA0.4 (Revised), EFA12.1A (Revised):
Added Fire Alarm Devices for installation by Signa West
Systems, Raceway by San Pris Electric Inc.
Fire Alarm connections to Buildings A, B, & C.

Total Invoice Price: ADD \$ 104,859.84

Exclusions:: Roof Penetrations, Roof Caps & Flanges
Cut, Patch & Paint-Walls, Floors & Ceilings
Contract for Mirtone FA Devices, Controls
Programming, Testing & Final Check-Out.

Enclosures: Request for Quote
San Pris Electric RFI-10
Beals-Martin RFI-128
Estimate for the work
Signa West Quote

C:\ESTRACCD16Z.BWB

RECAP SHEET

JOB NAME RAVENSWOOD MS REALIGNMENT CCD-16/RFI-128 REV2
 EST BY: SAN PRI ELECTRIC INC
 SHEET

DATE 9-06-19
 EST# RACCD16Z
 LABOR HRS.

		MATERIAL	
A1	X ASSEMBLIES #1-50		
A2	X ASSEMBLIES #50-100		
1	X SPARTAN FA CHANGES-NEW DRAWINGS	\$50,830.74	214.10
2	X		
3	X		
4	X		
5	X		
6	X		
7	X		
8	X		
9	X		
10	X		
11	X		
12	X		
13	X		
14	X		
15	X		
16	X		
17	X		
18	X		

MISC. MATERIAL & LABOR

PRICING SHEET MATERIAL TOTALS

\$50,830.74

QUOTATIONS

LIGHTING LIGHTING QUOTATION SUMMARY

POWER POWER

QUOTE #1

QUOTE #2

QUOTE #3

QUOTE #4

QUOTE #5

QUOTE #6

QUOTE #7

QUOTE #8

QUOTED MATERIAL COST

OVERHEAD SUMMARY

LABOR	% 5	\$1,993.77
MATERIAL	% 5	\$2,541.54
QUOTES	% 5	
JOB COST	% 5	
OVERHEAD		\$4,535.31

PROFIT SUMMARY

LABOR	% 5	\$1,993.77
MATERIAL	% 5	\$2,541.54
QUOTES	% 5	
JOB COST	% 5	
PROFIT		\$4,535.31

SALES TAX SUMMARY

LABOR	%	
MATERIAL	% 10	\$5,083.07
QUOTES	% 10	
JOB COST	%	
SALES TAX		\$5,083.07

TOTAL LABOR HOURS

214.10

LABOR RATE

x \$186.25

SUBTOTAL LABOR COST

\$39,875.41

% LABOR FACTOR

LABOR COST

\$39,875.41

MATERIAL COST

\$50,830.74

QUOTES

JOB COST

PRIME COST

\$90,706.15

OVERHEAD

\$4,535.31

NET COST

\$95,241.46

PROFIT

\$4,535.31

SALES TAX

\$5,083.07

SUBTOTAL

\$104,859.84

BOND

SELLING PRICE

\$104,859.84

JOB NAME		PRICING SHEET #1			DATE		9-06-19
DESCRIPTION		RAVENSWOOD MS REALIGNMENT CCD-16/RFIEST #			EST. BY		RACCD16Z
		SPARTAN FA CHANGES-NEW DRAWINGS					SAN PRI ELEC
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT	
1	EMT 3/4"	730	\$87.54C	\$493.04	3.50C	25.55	
2	EMT COUP CP 3/4"	73	\$41.64C	\$30.40	7.00C	5.11	
3	EMT CONN CP 3/4"	110	\$34.20C	\$37.82	7.00C	7.70	
4	EMT STRAP 1H 3/4"	146	\$124.75C	\$182.13	6.00C	8.76	
5	SQ4 1.5D COMBO + SUPPORT	55	\$127.38C	\$70.06	25.00C	13.75	
6	SQ4-RING 2G RAISE 5/8"	55	\$814.52C	\$447.99	5.00C	2.75	
7	QUOTATION/COORDINATION	1	\$375.00E	\$375.00	12.00E	12.00	
8	BUSHING PLASTIC 1"	12	\$78.00C	\$9.36	4.00C	0.48	
9	STRUT STRAP EMT 1"	73	\$643.00C	\$469.39	6.00C	4.38	
10	B-LINE ROOF SUPPORTS	73	\$26.00E	\$1,898.00	1.00E	73.00	
11	C-BODY LB IR 1"	12	\$1,300.00C	\$156.00	20.00C	2.40	
12	C-BODY COVER 1"	12	\$357.75C	\$42.93	5.00C	0.60	
13	C-BODY GASKET 1"	12	\$308.85C	\$37.06	1.50C	0.18	
14	PULLBOX N3R 12x12x4D	3	\$79.47E	\$238.41	3.00E	9.00	
15	FA QUOTE-SIGNA WEST	1	\$45,149.24E	\$45,149.24	E		
16	ID TAGS. WIRE MARKERS	1	\$75.00E	\$75.00	E		
17	EMT 1"	700	\$115.44C	\$808.08	4.00C	28.00	
18	EMT COUP CP 1"	70	\$75.00C	\$52.50	10.00C	7.00	
19	EMT CONN CP 1"	28	\$84.16C	\$17.96	8.00C	2.24	
20	EMT STRAP 1H 1" 2 HOLE	140	\$171.83C	\$240.56	8.00C	11.20	
21			E		E		
22	QUOTE BASED ON		E		E		
23	3/4" CONDUIT INSIDE		E		E		
24	1" CONDUIT ON ROOF		E		E		
25	ALL CONDUIT EMT		E		E		
26			E		E		
27			E		E		
28			E		E		
29			E		E		
30			E		E		
31			E		E		
32			E		E		
33			E		E		
34			E		E		
35			E		E		
36			E		E		
37			E		E		
38			E		E		
39			E		E		
40			E		E		
41			E		E		
42			E		E		
43			E		E		
44			E		E		
SUBTOTAL				\$50,830.74		214.10	
MULTIPLIER (DEFAULT=1)			X	1.00	X	1.00	
SHEET TOTALS FORWARDED TO >>> RECAP				\$50,830.74		214.10	

LARBOR RATE WORKSHEET

JOB NAME

RAVENSWOOD MS REALIGN

ENTER PROJECT DURATION IN CALENDAR DAYS	45
ENTER NUMBER OF WORK DAYS PER WEEK	5
ENTER NUMBER OF WORK HOURS PER WORK DAY	9
MANHOURS FORWARDED FROM RECAP	201.82
WORK DAYS PROJECT DURATION	32.14
TOTAL MANDAYS	22.42
AVERAGE CREW SIZE REQUIRED	0.70

NUMBER	DESCRIPTION	RATE	EXTENSION
2	JOURNEYMAN	\$174.44	\$348.88
1	FOREMAN	\$209.86	\$209.86

3 MAN CREW

AVERAGE LABOR RATE FORWARDED TO RECAP	\$186.25
---------------------------------------	----------



David E. Ruth <elecdave@gmail.com>

IBEW rates JW & FM

1 message

sanprielec.barbara@yahoo.com <sanprielec.barbara@yahoo.com>
 To: Dave Ruth <elecdave@gmail.com>

Mon, Jul 29, 2019 at 12:21 PM

Hi Dave,

Here is what I have for IBEW standard & overtime rates.

The rates I listed below have wage & all benefit amounts added together.

<i>ST RATES</i>	JW	FM
IBEW -	\$129.27	\$143.19
Plus truck/tool charge	0	13.15
TOTAL	\$129.27	\$156.34
<i>OT RATES</i>		
IBEW -	\$174.44	\$195.13
Plus truck/tool charge	0	14.73
TOTAL	\$174.44	209.86

Is this what you have?

Barb

Barbara Burns

Admin, Sanpri Electric, Inc.

Sanprielec.barbara@yahoo.com

nawest Systems Inc
 3-D Central Avenue
 Newark CA 94560-4205
 P.O. : 510.795.5999
 Fax : 510.795.9544

Extra Work

NO. **2118-S05R1**
 Date **07/15/19**

Sanpri Electric Inc
14548 Chameran Avenue
San Jose CA 95124
Attn: Jose Sanchez

Ravenswood Middle School - Realignment Phase 1
2120 Euclid Avenue
East Palo Alto, CA

211819 RFI 128 Response SEW-05R1 Thu Dao 408-210-3741 408-558-9544 sanprielectric@yahoo.com Pending

Fire Alarm:

Provide & Install (21) Speaker Strobe, (4) Wp Speakers & cabling/trim of OFCI device for (25) Smoke Detectors, (22) Heat Detectors, (1) AMP, (1) NAC Power Supply per RFI 128. (Revised)

QTY	DESCRIPTION	UNIT	PRICE	AMOUNT	STATUS
17	2275 Wheelock	E90-24MCC-FW	1.200	20.40	75.90
4	2280 Wheelock	E70-24MGW-FW	1.200	4.80	80.85
4	2285 Wheelock	ET-1010	1.000	4.00	97.35
4	2290 Wheelock	W8B-R	0.800	3.20	18.15
25	2295		0.800	20.00	72.80
6	2300		0.800	4.80	
31	2305		0.650	20.15	
1	2310		8.000	8.00	
31	1700 Signawest		0.500	15.50	
31	1705 Signawest		0.750	23.25	
1625	1950 West Penn		0.015	24.38	0.40
1385	1976 West Penn		0.015	20.48	0.64
2015	1945 West Penn		0.015	30.23	0.35
800	2315 West Penn		0.018	14.40	0.32
800	2320 West Penn		0.016	12.80	0.29
800	2325 West Penn		0.016	12.80	0.22
800	680 Encore Wire		0.012	9.60	0.40

Material	5,289.55
Sales Tax	9.50%
Freight	502.41
Field Labor	245.55
Material Handling	3.00%
Warranty	4.00%
Doc & Certification	31.93
OH & P	10.00%
Total	4,256.84

Thank you for accessing Signawest as our systems provider. The EXTRA WORK description shall remain valid for 60 days from date of issuance. If the description is not approved by the client, the client shall provide a written quotation. Terms are not 45 days and must be paid in full within 15 days of the date of the quotation.

Approved: _____ Date: _____

45,149.24

Plan Review / Permit Fee
 Day(s) Added to schedule

TOTAL QUOTATION 49,908.49

**DSA****Draft Print****140**

07/22/2019 11:50:05 AM

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

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

School District/Owner: Ravenswood City School District	DSA File #: 41 - 21
Project Name/School: Ravenswood MS Realignment Phase 1	DSA App. #: 01 - 117275

APPLICANT

CCD Cat. <input checked="" type="checkbox"/> A / <input type="checkbox"/> B, #16	Date Submitted: 07/22/19	Attached Pages?: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (⁵ pages)
For CCD Cat. B, this is a <input type="checkbox"/> voluntary submittal, <input type="checkbox"/> DSA required submittal (attach DSA notification requiring submission).		
Firm Name: SVA Architects	Contact Name: Nicolas Siba!	
Email: nsiba!@sva-architects.com	Phone Number: (510) 267-3180	
Address: 2335 Broadway Suite 301		
City: Oakland	State: CA	Zip: 94612
<input type="checkbox"/> A DSA 301-N, DSA 301-P, or 90-Day Letter has been issued for this project.		
<input checked="" type="checkbox"/> For project currently under construction.		
<input type="checkbox"/> To obtain DSA approval of existing uncertified building(s).		

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

Name of Design Professional in General Responsible Charge: Robert Simons	
Professional License #: C-18301	Discipline: Architecture

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

Signature: _____

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

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

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

District requested changes to the fire alarm system related to coordinating with fire alarm corrections related to existing, uncertified projects being closed out. DSA approved drawings affected: E10.0, EF12.2B, EFA0.1, EFA0.3, EFA0.4, EFAF12.1A, EFAF12.1B. CCD 16 Updated sheets with * are with additional heat detector revisions.

List of DSA approved drawings affected by this CCD: See Brief description above for drawings affected list.

DSA USE ONLY		DSA Stamp
SSS _____ Date _____	Approved / Disapproved / Not Req'd	<div style="border: 1px solid black; padding: 5px;"> <p>For business office use only</p> <p>Date Sent _____</p> <p>Return By _____</p> <p>Delivery Method _____</p> </div>
FLS _____ Date _____	Approved / Disapproved / Not Req'd	
ACS _____ Date _____	Approved / Disapproved / Not Req'd	
Remarks _____		

July 22, 2019

Nicolas Sibal
SVA Architects
2335 Broadway #301
Oakland, CA 94612

Draft Print

07/22/2019 11:50:19 AM

Re: Ravenswood MS – Realignment Phase 1
tkisc Project No.: 2017-0887

The following is CCD per District-requested revisions to the electrical and fire alarm sheets.

Electrical

EFA0.3 – Fire Alarm Riser Diagram

- Removed and added heat detectors based on field conditions of accessible ceiling.

EFA0.4 – Fire Alarm Calculations

- Revised Battery Calculations for existing VECP based on removal/addition of heat detectors.

EFA12.1A – Building F Fire Alarm Plan – Area A

- Removed and added heat detectors based on field conditions of accessible ceiling.

EFA12.1A – Building F Fire Alarm Plan – Area B

- Removed and added heat detectors based on field conditions of accessible ceiling.

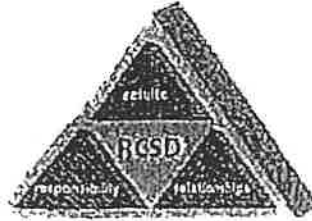
If you have any questions, or require further clarification, please do not hesitate to contact me.

Sincerely,
tkisc

Andrea Lawson

Andrea Lawson
Senior Engineer - Electrical

RAVENSWOOD CITY SCHOOL DISTRICT



Ravenswood Middle School
Realignment Phase 1
Project Number: 2018-19-004

PROPOSED CHANGE ORDER – PCO # 73 R2 F

TO: RAVENSWOOD CITY SCHOOL DISTRICT DATE ISSUED: 1/2/20
FROM: BEALS MARTIN PRICING DUE BY: _____

REFERENCE RFI # _____

REFERENCE RFQ # _____

CONSTRUCTION CHANGE DIRECTIVE # 17

AMOUNT \$ 59,714

DESCRIPTION: Added ELECTRICAL WORK

Please submit an itemized quotation for change in the contract sum and time incidental to the proposed modifications to the Contract Documents as described herein. Cost breakdown format shall be as specified including all back up documentation.

RAVENSWOOD CITY SCHOOL DISTRICT

THIS IS NOT A CHANGE ORDER. THIS IS A DIRECTIVE TO PROCEED WITH THE WORK HEREIN DESCRIBED WHEN SIGNED BELOW.

REQUESTED BY:

A. ☒ Architect

B. ☐ DSA Inspector

C. ☐ Contractor

D. ☐ Owner

COST IMPACT:

A. ☐ NONE

B. ☐ DEDUCT: \$ _____

C. ☒ ADD: \$ 59,714

TIME IMPACT:

A. ☐ NONE

B. ☐ DEDUCT _____ DAYS

C. ☒ ADD: 15 DAYS

APPROVAL OF THE PCO BY ALL PARTIES LISTED BELOW SERVES, AS A NOTICE TO PROCEED AND PCO WILL BE FOLLOWED BY A FORMAL CHANGE ORDER.

☒ Contractor:

BY: 

Architect:

BY: _____

District

BY: _____

Construction Manager:

BY: _____



2596 Bay Road, Redwood City, CA 94063

PCO
73R2F

PROPOSED CHANGE ORDER

Ravenswood Middle School

1/2/2020

<u>DESCRIPTION OF WORK</u>	<u>SUBCONTRACTOR</u>	<u>AMOUNT</u>
Added electrical wor per CCD 17	Sanpri Electric	44,277
roof patching excluded		
Subcontractor Subtotal		\$ 44,277
GC Markup 5%		2,214
Subcontractor Subtotal		\$ 46,491
Bond @2%		930
SUBTOTAL #1: Subcontractor Total		\$ 47,421

<u>DESCRIPTION OF WORK</u>	<u>AMOUNT</u>
Supervision: 80 hrs @ \$131/hour	\$ 10,480
Supervision OT 0hrs @ \$173.50/hour	0
Carpentry Labor 3 hrs @ \$97/hour	0
Carpentry OT hrs @ \$129.25/hour	0
Laborer hrs @ \$66.50/hour	0
Material	0
Hardware @35%	0
Dumpster	0
GC Subtotal	\$ 10,480
GC Markup 15%	1,572
GC Subtotal	\$ 12,052
Bond @2%	241
SUBTOTAL #2: GC Total	\$ 12,293

TOTAL PCO AMOUNT (#1 + #2) \$ 59,714

Impact of 15 days



SANPRI ELECTRIC, INC.

14548 Charmeran Ave., San Jose, CA 95124
CA LICENSE #828272 - DIR#1000007024



Changes or Additions
RFI-3295-114/158
CCD-17

Project: Ravenswood MS Realignment
Sent To: Beals Martin, Ron Talain
Date: 12-27-19
Division: Electrical

Scope of work: Area #1: Wiremold 5400 @ Locker Room & Musc Room
Removed during Demolition by others
Area #2: Raceway Between (E) IDF-F & Storage Room *
(Not Shown on Dwg E12.3B & SN-3)
Area #3: Raceway to Connect Bldg A, B & F to (E)
Honeywell Intrusion Alarm Panel @ Bldg B
(Not Shown on E10.0 8-06-19)
Raceway modified 12-27-19 for actual raceway
length installed (480 LF Reduction)
Composite Rate per Local IBEW Rate revision
Labor hours reduced to reflect actual hours (21 HRS)
Revisions made per 12-20-19 meeting with Arch/Owner)

Total Invoice Price: Add: 44,277.45 (for Revised Data Drops)

Exclusions:: Roof Penetrations, Roof Caps & Flanges
Cut, Patch & Paint-Walls, Floors & Ceilings

Enclosures: San Pri Electric Inc Proposal
Cost Estimate
Signa West Credit for work to be
performed by Cupertino Electric

JOB NAME RAVENSWOOD MS REALIGN CCD-17/RFI-114/158

DATE

12-27-19

EST BY: SAN PRIS ELECTRIC INC

EST#

RACCD17

SHEET

MATERIAL

LABOR HRS.

A1	X	ASSEMBLIES #1-50		
A2	X	ASSEMBLIES #50-100		
1	X	WIREMOLD 5400 @ LOCKER/MUSIC RMS	\$5,743.79	97.13
2	X	IDF-F TO STORAGE RM RACEWAY	(\$4,211.40)	90.48
3	X	RACEWAY TO INTR ALARM PANEL	\$1,196.65	37.92
4	X	REDUCED BY 460 LF)		
5	X	ACTUAL HOURS		-21.00
6	X			
7	X			
8	X			
9	X			
10	X			
11	X			
12	X			
13	X			
14	X			
15	X			
16	X			
17	X			
18	X			

MISC. MATERIAL & LABOR

PRICING SHEET MATERIAL TOTALS

\$2,729.04

QUOTATIONS

LIGHTING LIGHTING QUOTATION SUMMARY

POWER POWER

QUOTE #1

QUOTE #2

QUOTE #3

QUOTE #4

QUOTE #5

QUOTE #6

QUOTE #7

QUOTE #8

QUOTED MATERIAL COST

OVERHEAD SUMMARY

LABOR	% 5	\$1,863.75
MATERIAL	% 5	\$136.45
QUOTES	% 5	
JOB COST	% 5	
OVERHEAD		\$2,000.21

TOTAL LABOR HOURS

204.53

LABOR RATE

x

\$182.25

SUBTOTAL LABOR COST

\$37,275.09

% LABOR FACTOR

LABOR COST

\$37,275.09

MATERIAL COST

\$2,729.04

QUOTES

JOB COST

PRIME COST

\$40,004.13

OVERHEAD

\$2,000.21

NET COST

\$42,004.34

PROFIT

\$2,000.21

SALES TAX

\$272.90

PROFIT SUMMARY

LABOR	% 5	\$1,863.75
MATERIAL	% 5	\$136.45
QUOTES	% 5	
JOB COST	% 5	
PROFIT		\$2,000.21

SALES TAX SUMMARY

LABOR	%	
MATERIAL	% 10	\$272.90
QUOTES	% 10	
JOB COST	%	
SALES TAX		\$272.90

SUBTOTAL

\$44,277.45

BOND

SELLING PRICE

\$44,277.45

JOB NAME		PRICING SHEET #1			DATE	12-27-19
DESCRIPTION		RAVENSWOOD MS REALIGN CCD-17/RFI-114/EST #				RACCD17
		WIREMOLD 5400 @ LOCKER/MUSIC RMS			EST. BY	SAN PRIS ELE
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
1	WIREMOLD 5400 TB	280	\$395.00C	\$1,106.00	6.00C	16.80
2	WIREMOLD 5400 TC	280	\$216.00C	\$604.80	2.00C	5.60
3	WIREMOLD 5418 90 OUTSIDE	8	\$34.11E	\$272.88	0.15E	1.20
4	WIREMOLD 5415 CONN	8	\$49.95E	\$399.60	0.15E	1.20
5	WIREMOLD 5410-DPO END CAP	8	\$21.75E	\$174.00	0.15E	1.20
6	WIREMOLD 5411 FO 90 ISIDE	8	\$18.50E	\$148.00	0.15E	1.20
7	WIREMOLD 54MXN2AO8 CAP	4	\$26.33E	\$105.32	0.15E	0.60
8	WIREMOLD 5415 TEE CONN	24	\$18.00E	\$432.00	0.15E	3.60
9	PULL ROPE	520	\$125.00M	\$65.00	6.00M	3.12
10	COORD/PREP	1	\$175.00E	\$175.00	16.00E	16.00
11	W/M 5400 SUPPORT	56	\$6.00E	\$336.00	0.15E	8.40
12	WIREMOLD 2300	250	\$178.00C	\$445.00	4.00C	10.00
13	WIREMOLD 2300WC WIRE CLIP	50	\$1.35E	\$67.50	0.15C	0.07
14	WIREMOLD 2306 COVER CLIP	25	\$1.75E	\$43.75	0.15E	3.75
15	WIREMOLD 2310 END CAP	4	\$13.95E	\$55.80	0.15E	0.60
16	WIREMOLD 2300 A2 ENTR E/F	4	\$9.55E	\$38.20	0.15E	0.60
17	WIREMOLD 2315 TEE	16	\$6.45E	\$103.20	0.15E	2.40
18	WIREMOLD 2310D DIV ENTR E/F	16	\$13.85E	\$221.60	0.15E	2.40
19	WIREMLD 2389 REDUC CONN	16	\$4.46E	\$71.36	0.15E	2.40
20	WIREMOLD 5474 TRANS TAP GT	19	\$18.24E	\$350.94	0.15E	2.89
21	WIREMOLD 2344.2 BOX DEEP	16	\$14.24E	\$227.84	35.00C	5.80
22	W/M 2300 SUPPORTS	50	\$6.00E	\$300.00	0.15E	7.50
23	ABOVE TO REPLACE EXISTING		E		E	
24	WIREMOLD REMOVED BY		E		E	
25	OTHERS		E		E	
26			E		E	
27			E		E	
28			E		E	
29			E		E	
30			E		E	
31			E		E	
32			E		E	
33			E		E	
34			E		E	
35			E		E	
36			E		E	
37			E		E	
38			E		E	
39			E		E	
40			E		E	
41			E		E	
42			E		E	
43			E		E	
44			E		E	
SUBTOTAL				\$5,743.79		97.13
MULTIPLIER (DEFAULT=1)			X	1.00	X	1.00
SHEET TOTALS FORWARDED TO >>> RECAP				\$5,743.79		97.13

JOB NAME		PRICING SHEET #2			DATE		12-27-19
DESCRIPTION		RAVENSWOOD MS REALIGN CCD-17/RFI-114/EST #			EST. BY		RACCD17
		IDF-F TO STORAGE RM RACEWAY					SAN PRIS ELE
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT	
1	GRC 4"	10	\$1,749.83C	\$174.98	28.00C	2.80	
2	C-BODY LB IR 4" MOGUL	1	\$18,750.00C	\$187.50	175.00C	1.75	
3	C-BODY GASKET 4"	1	\$1,172.00C	\$11.72	3.00C	0.03	
4	C-BODY COVER 3 1/2"	1	\$1,766.00C	\$17.66	16.00C	0.16	
5	WIREWAY N3R 6x6x12	1	\$121.66E	\$121.66	2.00E	2.00	
6	EMT 2"	250	\$368.24C	\$920.60	14.00C	35.00	
7	EMT COUP CP 2"	37	\$227.87C	\$84.31	22.00C	8.14	
8	EMT CONN CP 2"	4	\$220.90C	\$8.84	18.00C	0.72	
9	STRUT STRAP EMT 2"	50	\$269.34C	\$134.67	13.00C	6.50	
10	STRUT STRAP RIGID 4"	2	\$1,628.00C	\$32.56	19.00C	0.38	
11	EMT ELL 2" OFFSET	4	\$877.00C	\$35.08	15.00C	0.60	
12	EMT ELL 2"	2	\$654.18C	\$13.08	15.00C	0.30	
13	PULLBOX N3R 18x12x6D	1	\$175.68E	\$175.68	1.75E	1.75	
14	BUSHING PLASTIC 2"	2	\$383.61C	\$7.67	10.00C	0.20	
15	C-BODY LB IR 2"	2	\$5,760.00C	\$115.20	125.00C	2.50	
16	C-BODY COVER 2"	2	\$937.50C	\$18.75	15.00C	0.30	
17	C-BODY GASKET 2"	2	\$824.00C	\$16.48	5.00C	0.10	
18	B-LINE ROOF RUBBER SUPPRT	23	\$26.00E	\$598.00	0.75E	17.25	
19	PULLBOX SUPPORTS	1	\$15.00E	\$15.00	2.00E	2.00	
20	EST PREP/COORD MTG	1	\$175.00E	\$175.00	8.00E	8.00	
21	(ABOVE MATERIAL FOR		E		E		
22	RACEWAY BRTWEEN IDF-F &		E		E		
23	STORAGE ROOM, CONDUIT		E		E		
24	NOT SHOWN ON EF12.3B		E		E		
25	SN-3)		E		E		
26	SIGNA WEST SYS CREDIT)	1	\$7,075.85E	(\$7,075.85)	E		
27	(SEE ATTACHED DRAWING)		E		E		
28			E		E		
29			E		E		
30			E		E		
31			E		E		
32			E		E		
33			E		E		
34			E		E		
35			E		E		
36			E		E		
37			E		E		
38			E		E		
39			E		E		
40			E		E		
41			E		E		
42			E		E		
43			E		E		
44			E		E		
SUBTOTAL				(\$4,211.40)		90.48	
MULTIPLIER (DEFAULT=1)				X 1.00	X	1.00	
SHEET TOTALS FORWARDED TO >>> RECAP				(\$4,211.40)		90.48	

JOB NAME		PRICING SHEET #3		DATE		12-27-19
DESCRIPTION		RAVENSWOOD MS REALIGN CCD-17/RFI-114/EST #		RACCD17		
		RACEWAY TO INTR ALARM PANEL		EST. BY		SAN PRIS ELE
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
1	EMT 1 1/4"	150	\$216.89C	\$325.33	10.00C	15.00
2	EMT ELL 1 1/4"	18	\$440.56C	\$79.30	10.00C	1.80
3	EMT COUP CP 1"	51	\$126.50C	\$64.52	12.00C	6.12
4	EMT CONN CP 1 1/4"	12	\$116.60C	\$13.99	10.00C	1.20
5	B-LINE ROOF RUBBER SUPP	15	\$26.00E	\$390.00	0.50E	7.50
6	PULLBOX N3R 18x18x6D	1	\$248.12E	\$248.12	2.30E	2.30
7	BOX SUPPORT	1	\$15.00E	\$15.00	1.00E	1.00
8	STRUT STRAP EMT 1 1/4"	30	\$201.30C	\$60.39	10.00C	3.00
9	(CONDUITS NOT SHOWN		E		E	
10	ON E10.0, 8-06-19)		E		E	
11			E		E	
12			E		E	
13			E		E	
14			E		E	
15			E		E	
16			E		E	
17			E		E	
18			E		E	
19			E		E	
20			E		E	
21			E		E	
22			E		E	
23			E		E	
24			E		E	
25			E		E	
26			E		E	
27			E		E	
28			E		E	
29			E		E	
30			E		E	
31			E		E	
32			E		E	
33			E		E	
34			E		E	
35			E		E	
36			E		E	
37			E		E	
38			E		E	
39			E		E	
40			E		E	
41			E		E	
42			E		E	
43			E		E	
44			E		E	
SUBTOTAL				\$1,196.65		37.92
MULTIPLIER (DEFAULT=1)			X	1.00	X	1.00
SHEET TOTALS FORWARDED TO >>> RECAP				\$1,196.65		37.92

LARBOR RATE WORKSHEET

JOB NAME

RAVENSWOOD MS REALIGN

ENTER PROJECT DURATION IN CALENDAR DAYS	90
ENTER NUMBER OF WORK DAYS PER WEEK	5
ENTER NUMBER OF WORK HOURS PER WORK DAY	8
MANHOURS FORWARDED FROM RECAP	204.53
WORK DAYS PROJECT DURATION	64.29
TOTAL MANDAYS	25.57
AVERAGE CREW SIZE REQUIRED	0.40

NUMBER	DESCRIPTION	RATE	EXTENSION
2	JOURNEYMAN	\$170.44	\$340.88
1	FOREMAN	\$205.86	\$205.86

3 MAN CREW

AVERAGE LABOR RATE FORWARDED TO RECAP	\$182.25
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Signawest Systems Inc
 7300-D Central Avenue
 Newark CA 94560-4205
 Pho : 510.795.9999
 Fax : 510.795.9544

Extra Work

NO: 2118-S04R3

Date: 08/12/19

Sanpri Electric Inc
 14548 Charmeran Avenue
 San Jose CA 95124
 Attn: Jose Sanchez

S I T E
Ravenswood Middle School - Realignment Phase 1
 2120 Euclid Avenue
 East Palo Alto, CA

SIGNAWEST NO	REFERENCE NO.	SWI MODIFICATION NO.	SIGNAWEST CONTACT	CUSTOMER PHONE	CUSTOMER FAX	EMAIL	STATUS
211819	RFI 114 Response RFI 158 Response	SEW-04R3	Thu Dao	408-210-3741	408-558-9544	sanprielectric@yahoo.com	Pending

SCOPE OF EXTRA WORK

Voice & Data:

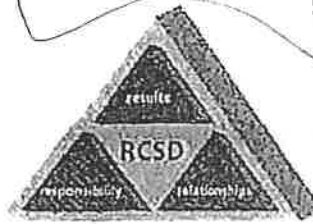
IDF-F: All Fiber work by others. Relocation of Existing IDF F is by owner to New IDF F location in Equipment F16 per meeting onsite. The locker rooms have changed from (25) data drops to (16) data drop per RFI Response 158. Credit for the original fiber from Bldg A to Bldg K issued.
 Attached Revised Drawing: (16) data drops between the Boys & Girls locker rooms.

QTY	CODE	MANUFACTURER	MODEL	DESCRIPTION	LABOR	EXTENSION	MATERIAL	EXTENSION
(9)	1165	Leviton	61UJK-RL6	Outlet, Cat-6, Blue	0.250	(2.25)	15.20	(136.80)
(6)	1100	Leviton	42080-2WS	Wall Plate, 2 Port, White	0.100	(0.60)	4.25	(25.50)
(1575)	280	Berk-Tek	10136339	Cable, 4 Pr 23 AWG, LANmark Cat-6, Blu, CMR	0.010	(15.75)	0.41	(652.05)
(9)	1714	Signawest	Labor	Voice & Data Commission	0.250	(2.25)		
(350)	285	Berk-Tek	PDR012EB3010/24	Fiber Cable, 12 Stran, 50 Micron, OM3, Indoor/ Outdoor	0.014	(4.90)	1.95	(686.00)
(2)	2240	Leviton	5F100-2QL	Fiber Adapter, 12F, OM3/OM4	0.200	(0.40)	91.00	(182.00)
(24)	2245	Leviton	49991-LLC	Fiber Connector, LC, OM3/OM4	0.250	(6.00)	19.50	(468.00)
(350)	2230	Superior Essex	51-499-EL	Cable, 25 Pr, 24 avg, Cat5E Indoor/ Outdoor	0.014	(4.90)	1.66	(581.00)
2	2260	Signawest	Labor	Survey Rooms per RFI 114 to mark up locations & Meetings to resolve the difference/ Scope	8.000	16.00		

Thank you for choosing Signawest as your systems provider. This EXTRA WORK quotation shall remain valid for 60 days from date of issuance. Individual cost(s) are dependent upon approval of the entire EXTRA WORK quotation. Terms are net 45 days and past due balances shall be subject to an interest charge of 1.5% per month, or the maximum permitted by law.		Approved: _____ Date: _____	
		Material (2,731.35) Sales Tax 9.50% (259.48) Freight (136.57) Field Labor -21.05 (2,975.85) Material Handling 3.00% (81.94) Warranty 4.00% (247.41) Doc & Certification OH & P 10.00% (643.26) Plan Review / Permit Fee Day(s) Added to schedule TOTAL QUOTATION (7,075.85)	

RAVENSWOOD CITY SCHOOL DISTRICT

REVISED SLOPE SUPERSEDED BY
PCO 15 RIF 10/24/19 TWP



Ravenswood Middle School
Realignment Phase 1
Project Number: 2018-19-004

PROPOSED CHANGE ORDER – PCO # 15

TO: RAVENSWOOD CITY S.D. DATE ISSUED: 4/16/19

FROM: BERTS MANN PRICING DUE BY: _____

REFERENCE RFI # 7 18

REFERENCE RFQ # _____

CONSTRUCTION CHANGE DIRECTIVE # 1

AMOUNT \$ 4820

DESCRIPTION: RELOCATION OF POWER & SIGNAL OUTLETS

Please submit an itemized quotation for change in the contract sum and time incidental to the proposed modifications to the Contract Documents as described herein. Cost breakdown format shall be as specified including all back up documentation.

RAVENSWOOD CITY SCHOOL DISTRICT

THIS IS NOT A CHANGE ORDER. THIS IS A DIRECTIVE TO PROCEED WITH THE WORK HEREIN DESCRIBED WHEN SIGNED BELOW.

REQUESTED BY:

A. ☒ Architect

B. ☐ DSA Inspector

C. ☐ Contractor

D. ☐ Owner

COST IMPACT:

A. ☐ NONE

B. ☐ DEDUCT: \$ _____

C. ☒ ADD: \$4820

TIME IMPACT:

A. ☒ NONE

B. ☐ DEDUCT _____ DAYS

C. ☐ ADD: _____ DAYS

APPROVAL OF THE PCO BY ALL PARTIES LISTED BELOW SERVES, AS A NOTICE TO PROCEED AND PCO WILL BE FOLLOWED BY A FORMAL CHANGE ORDER.

☒ Contractor:

BY: 

☒ Architect:

BY: 

District

BY: 

Construction Manager:

BY: 



2596 Bay Road, Redwood City, CA 94063

PCO
15

PROPOSED CHANGE ORDER

Ravenswood Middle School

4/16/2019

<u>DESCRIPTION OF WORK</u>	<u>SUBCONTRACTOR</u>	<u>AMOUNT</u>
Relocation of power and signal outlets per CCD 1, RFI 7&8	Sanpri	4,500

Subcontractor Subtotal	\$	4,500
GC Markup 5%		225
Subcontractor Subtotal	\$	4,725
Bond @2%		95
SUBTOTAL #1: Subcontractor Total	\$	4,820

<u>DESCRIPTION OF WORK</u>	<u>AMOUNT</u>
Supervision: 0 hrs @ \$125/hour	\$ 0
Carpentry Labor 12 hrs @ \$93/hour	0
Laborer 4 hrs @ \$65/hour	0
Lumber	0
Hardware @35%	0
	0
GC Subtotal	\$ 0
GC Markup 15%	0
GC Subtotal	\$ 0
Bond @2%	0
SUBTOTAL #2: GC Total	\$ 0

Impact of 0 days

TOTAL PCO AMOUNT (#1 + #2)	\$	4,820
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SANPRI ELECTRIC, INC.

14548 Charmeran Ave., San Jose, CA 95124
CA LICENSE #828272 - DIR#1000007024



Change Order
CCD-01
Revisions to Base Bid Drawings

Project: Ravenswood MS Realignment
Sent To: Beals Martin
Date: 4-16-19
Division: Electrical

Scope of work:

Credit for various branch outlets, add for Panduit Raceway System in Music Room

Total Invoice Price: ADD \$ 4,500.34

Exclusions:: Roof Penetrations, Roof Caps & Flanges
Cut, Patch & Paint-Walls, Floors & Ceilings
Overtime Labor

C:\ESTRAVCCD1.BWB

RECAP SHEET

JOB NAME RAVENSWOOD MS REALIGNMENT CCD-01

EST BY: SAN PRI ELECTRIC INC

DATE

4-15-19

EST#

RAVCCD1

SHEET

LABOR HRS.

MATERIAL

A1	X	ASSEMBLIES #1-50		
A2	X	ASSEMBLIES #50-100		
1	X	ELECTRICAL MATERIALS	\$1,029.28	22.17
2	X			
3	X			
4	X			
5	X			
6	X			
7	X			
8	X			
9	X			
10	X			
11	X			
12	X			
13	X			
14	X			
15	X			
16	X			
17	X			
18	X			

MISC. MATERIAL & LABOR

PRICING SHEET MATERIAL TOTALS

\$1,029.28

QUOTATIONS

LIGHTING LIGHTING QUOTATION SUMMARY

POWER POWER

QUOTE #1

QUOTE #2

QUOTE #3

QUOTE #4

QUOTE #5

QUOTE #6

QUOTE #7

QUOTE #8

QUOTED MATERIAL COST

OVERHEAD SUMMARY

LABOR	% 10	\$279.46
MATERIAL	% 10	\$102.93
QUOTES	% 10	
JOB COST	% 10	
OVERHEAD		\$382.38

PROFIT SUMMARY

LABOR	% 5	\$139.73
MATERIAL	% 5	\$51.46
QUOTES	% 5	
JOB COST	% 5	
PROFIT		\$191.19

SALES TAX SUMMARY

LABOR	%	
MATERIAL	% 10	\$102.93
QUOTES	% 10	
JOB COST	%	
SALES TAX		\$102.93

TOTAL LABOR HOURS

22.17

LABOR RATE

x \$126.08

SUBTOTAL LABOR COST

\$2,794.56

% LABOR FACTOR

LABOR COST

\$2,794.56

MATERIAL COST

\$1,029.28

QUOTES

JOB COST

PRIME COST

\$3,823.84

OVERHEAD

\$382.38

NET COST

\$4,206.22

PROFIT

\$191.19

SALES TAX

\$102.93

SUBTOTAL

\$4,500.34

BOND

SELLING PRICE

\$4,500.34

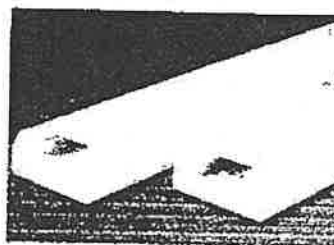
JOB NAME		PRICING SHEET #1		DATE		4-15-19	
DESCRIPTION		RAVENSWOOD MS REALIGNMENT CCD-01		EST #		RAVCCD1	
		ELECTRICAL MATERIALS		EST. BY		SAN PRI ELEC	
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT	
1	PANDUIT T70 SERIES RACEWAY		E		E		
2	RACEWAY T70B1B8 30 LF	1	E		3.00E	3.00	
3	COUPLING T70BC1W-3	3	E		0.50E	1.50	
4	BASE T70BC1W-30 30 LF	1	E		1.00E	1.00	
5	END CAP T70BEC1W	2	E		0.30E	0.60	
6	COVER COUPLING T70CC1W-3	3	E		0.30E	0.90	
7	ENTR END FTG T70EE1W	3	E		0.30E	0.90	
8	BACK FEED FTG T70BF1W/BF1	3	E		1.00E	3.00	
9	COVER T70C1W8 30 LF	1	E		1.00E	1.00	
10	ANGLE END FTG T70RA1W	1	E		0.50E	0.50	
11	TEE FTG T70T1W	3	E		0.50E	1.50	
12	TEE FTG INSERT T70T1D	3	E		0.50E	1.50	
13	TRANSITION FTG T70TR1W	1	E		1.00E	1.00	
14	WIRE RETAINER T70WR-6	6	E		0.30E	1.80	
15	FACE PLATE BRKT T70SDB	11	E		0.30E	3.30	
16	COVER CLIP	6	E		0.30E	1.80	
17	PANDUIT MATERIAL COST	1	\$680.00E	\$680.00	E		
18			E		E		
19	EMT 3/4"	130	\$67.54C	\$87.80	3.50C	4.55	
20	EMT 1"	-120	\$115.44C	(\$138.53)	4.00C	-4.80	
21	EMT COUP CP 3/4"	13	\$41.64C	\$5.41	7.00C	0.91	
22	EMT COUP CP 1"	-12	\$64.16C	(\$7.70)	10.00C	-1.20	
23	EMT CONN CP 3/4"	-8	\$43.20C	(\$3.46)	7.00C	-0.56	
24	EMT CONN CP 1"	-8	\$53.77C	(\$4.30)	8.00C	-0.64	
25	EMT STRAP 1H 3/4"	26	\$81.00C	\$21.06	6.00C	1.56	
26	EMT STRAP 1H 1"	-24	\$201.00C	(\$48.24)	8.00C	-1.92	
27	THHN CU STRANDED #12	500	\$110.61M	\$55.30	5.00M	2.50	
28	SQ4 1.5D COMBO	-11	\$111.78C	(\$12.30)	25.00C	-2.75	
29	SQ4-RING 1G RAISE 5/8"	-7	\$937.62C	(\$65.63)	5.00C	-0.35	
30	SQ4-RING 2G RAISE 5/8"	-4	\$814.52C	(\$32.58)	5.00C	-0.20	
31	DUPLEX 20A IV 5362-I	-9	\$650.00C	(\$58.50)	25.00C	-2.25	
32	PLATE DUPLEX 1G IV	-9	\$58.82C	(\$5.28)	3.00C	-0.27	
33	AL BOX 1G 3-3/4" HUBS	1	\$860.00C	\$8.60	45.00C	0.45	
34	AL COVER BLANK	1	\$262.32C	\$2.62	7.00C	0.07	
35	FLEX STEEL 3/4"	3	\$111.45C	\$3.34	3.50C	0.10	
36	FLEX CONN SQ IR 3/4"	2	\$631.96C	\$12.64	8.00C	0.16	
37	CBB 22K 1P 20A B120H	2	\$77.00E	\$154.00	1.75E	3.50	
38	QUOTATION/COORDINATION	1	\$375.00E	\$375.00	E		
39			E		E		
40			E		E		
41			E		E		
42			E		E		
43			E		E		
44			E		E		
SUBTOTAL				\$1,029.28		22.17	
MULTIPLIER (DEFAULT=1)			X	1.00	X	1.00	
SHEET TOTALS FORWARDED TO >>> RECAP				\$1,029.28		22.17	

Pan-Way® T-70 Surface Raceway System

PANDUIT®
SPECIFICATION SHEET

specifications

T-70 non-metallic multi-channel capable surface raceway shall be used to route, protect, and conceal data, voice, video, fiber optic and power cabling. The raceway shall be listed as suitable for use in applications up to 600 volts between conductors by Underwriters Laboratories, Inc. per standard 5A, and by Canadian Standards Association, Inc. per 22.2 no. 62.1-03, when screw secured and installed per instructions. A full complement of fittings with a 1" minimum bend radius compliant with TIA/EIA-568-B, must be available as well as device brackets and internal junction boxes to install a variety of communication and electrical devices. Divider walls must be available to form separate channels in the multi-channel raceway. "Snap-on" faceplates for data and power terminations shall be available. An offset box shall be available, with versions for Panduit "snap-on" as well as "screw mount" faceplates, for mounting the power receptacle outside of the raceway channel. T-70 raceway will be manufactured from impact-resistant material with flammability rating of V-0. T-70 raceway must be tamper resistant yet, also allow access for moves, adds and changes. T-70 raceway finish shall be pure color and will resist scratches and dents and will not peel or corrode. T-70 raceway shall be available in four standard colors and shall be optimized for use with the Panduit® Pan-Net® Communication System.



Pan-Way T-70 Raceway

Raceway Base	
6 feet:	T70BIW6
8 feet:	T70BIW8
10 feet:	T70BIW10
Raceway Cover	
6 feet:	T70CIW6
8 feet:	T70CIW8
10 feet:	T70CIW10
Divider Wall	
6 feet:	T70DW6
8 feet:	T70DW8
10 feet:	T70DW10

T-70 Raceway Fittings and Accessories

Base coupling:	T70BCIW-X
Cover coupling:	T70CCIW-X
Outside corner fitting:	T70OCIW
Inside corner fitting:	T70ICIW
Right angle fitting:	T70RAIW
End cap fitting:	T70ECIW
Entrance end fitting:	T70EEIW
 Tee fitting:	T70TIW
Insert for tee fitting:	T70TD
Transition fitting base/cover:	T70TRIW
Transition fitting cover only:	T70TRCIW
Wire retainer:	T70WR-X
Device bracket:	T70DB-X
Standard faceplate bracket:	T70SDB-X
Three sided hanging box:	T70HB3-X
GFCI three sided hanging box:	T70HB3GFCI-X
Hanging box:	T70HB-X
Workstation Outlet Center™ Offset Box:	T70WC1W
Workstation Outlet Center™ Offset Box:	T70WC21W
Backfeed fitting:	T70BFIW
Backfeed fitting insert:	T70BFI
Fiberspool bracket (two halves):	T70FSB

technical information

Material:	Rigid PVC
Flammability:	UL94V-0; FT4
Voltage rating:	UL-5A 600VAC; CSA C22.2 No. 62.1-03 600V
Approvals:	UL Listed 95425 (raceway); UL Listed E116129 (fittings)
NEC:	Article 368
Color:	Off White (IW), Electrical Ivory (EI), White (WH), International Gray (IG) available in 8' lengths only.
CSI spec form:	LP-CSISPEC-T70-1

key features and benefits

1" bend radius control fittings	Cables in the raceway will satisfy the minimum 1" bend radius requirement, preventing the potential degradation of cable performance; meets TIA/EIA standard and many warranty requirements
Snap-on faceplates	Faceplates snap directly onto the raceway base; cabling can be quickly accessed by removing only the faceplate, which requires less labor and lowers the cost of maintenance
Channel has a 70mm opening	Accepts any manufacturer's NEMA standard snap-on or screw-on power or communication faceplates
Highly tamper resistant	Very difficult for untrained personnel to enter the raceway or remove faceplates; provides maximum security for communication cabling and maximum safety for power cabling
Non-metallic construction	Lightweight reduces installer fatigue; solid color throughout profile will not chip, peel, rust, corrode, or scratch; easy to cut reducing the need for special cutting devices; high impact resistance; durable
Designer profile	Aesthetically pleasing and matches a wide variety of decors
Available in four standard colors	Matches a variety of colors for various applications

applications

Pan-Way® T-70 Non-Metallic Surface Raceway is a multi-channel channel raceway which provides solutions for routing low voltage, fiber optic and/or power cabling along perimeter walls. T-70 raceway can mount NEMA standard screw-on faceplates or

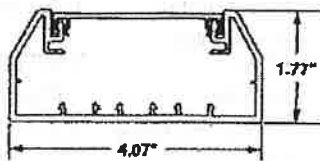
superior Pan-Way® Snap-On Faceplates directly to the channel. T-70 features the Workstation Outlet Center™ Offset Box, which provides an offset solution to maximize channel capacity and outlet density.

For standard colors other than IW (Off White), replace IW in part number with EI (Electrical Ivory), WH (White) or IG (International Gray). IG (International Gray) is available in 8' lengths only.

Pan-Way® T-70 Surface Raceway System

Wire Fill

Raceway Type and Configuration	Electrical Cables				Data Grade Cables												Coax Cables				Fiber Optic Cable																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	14 AWG	12 AWG	10 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 AWG	24 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T-70
Internal Area = 5.15 Sq. In.

T-70 Raceway



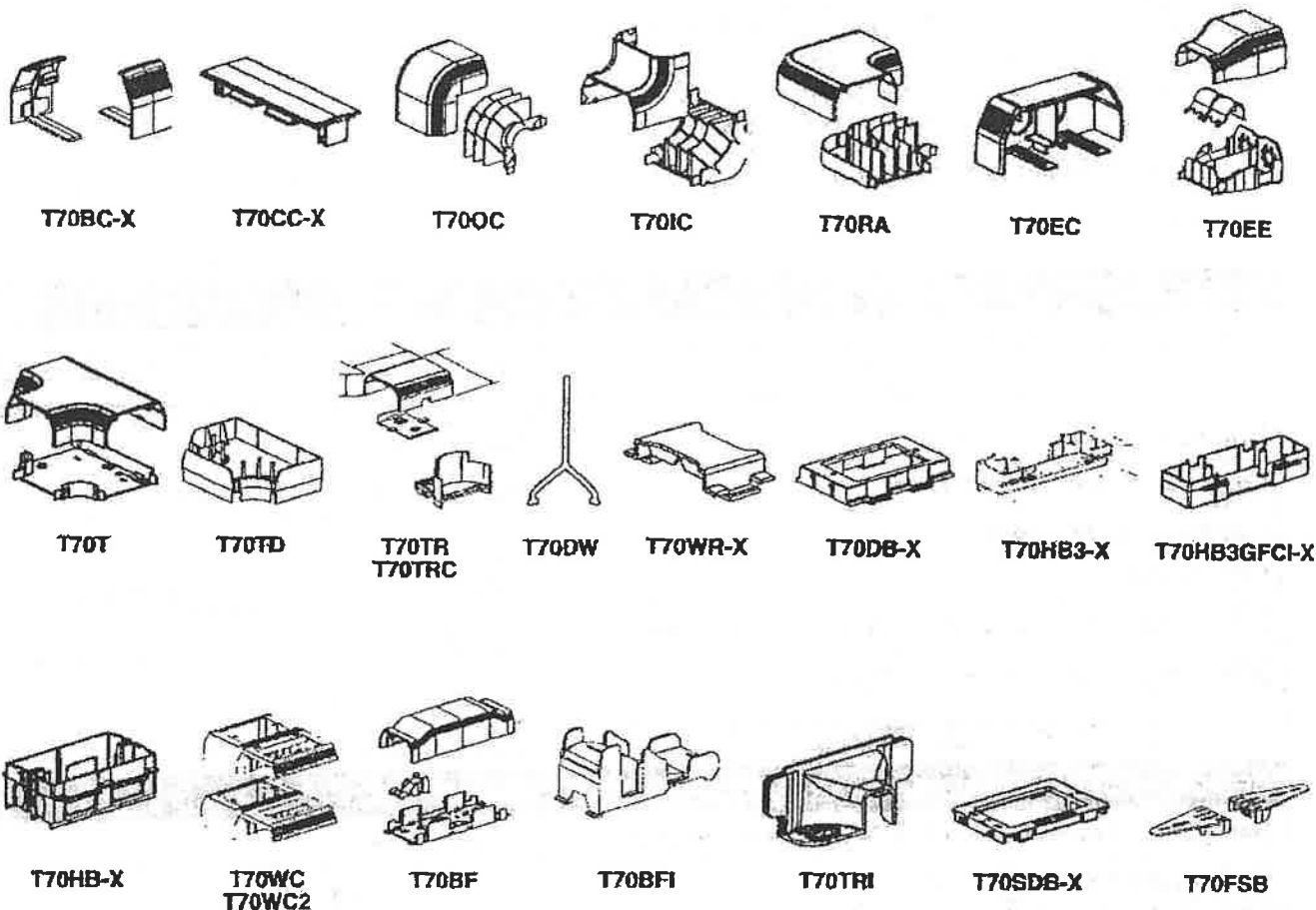
T70B



T70C

Pan-Way® T-70 Surface Raceway System

Fittings and Accessories



WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

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cs-japan@panduit.com
Phone: 81.3.6863.6000

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cs-la@panduit.com
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

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SRSP22-WW-ENG
Replaces WW-SRSP12
1/2015

CCD 1
RA 788

140

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

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

School District/Owner: Ravenswood City School District	DSA File #: 7 - 29
Project Name/School: Ravenswood MS Realignment Phase 1	DSA App. #: 01 - 117275

APPLICANT

CCD Cat. <input type="checkbox"/> A / <input checked="" type="checkbox"/> B, #01	Date Submitted: 03/19/19	Attached Pages?: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (10 pages)
For CCD Cat. B, this is a <input checked="" type="checkbox"/> voluntary submittal, <input type="checkbox"/> DSA required submittal (attach DSA notification requiring submission).		
Firm Name: SVA Architects	Contact Name: Nicolas Sibal	
Email: nsibal@sva-architects.com	Phone Number: (510) 267-3180	
Address: 2335 Broadway Suite 301		
City: Oakland	State: CA	Zip: 94612
<input type="checkbox"/> A DSA 301-N, DSA 301-P, or 90-Day Letter has been issued for this project.		
<input checked="" type="checkbox"/> For project currently under construction.		
<input type="checkbox"/> To obtain DSA approval of existing uncertified building(s).		

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

Name of Design Professional in General Responsible Charge: Robert Simons	
Professional License #: C-18301	Discipline: Architecture

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

Signature: *Robert M. Simons*

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

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

Brief description of construction change (attach additional sheets if needed):
Relocate electrical power and signal outlets at masonry furring walls in Buildings A & F. See attached revision narrative.

List of DSA approved drawings affected by this CCD: See attached revision narrative.

DSA USE ONLY		DSA Stamp
SSS _____ Date _____	Approved / Disapproved / Not Req'd	For business office use only Date Sent _____ Return By _____ Delivery Method _____
FLS _____ Date _____	Approved / Disapproved / Not Req'd	
ACS _____ Date _____	Approved / Disapproved / Not Req'd	
Remarks _____		

March 19, 2019

Nicolas Sibai
SVA Architects
2335 Broadway #301
Oakland, CA 94612

Re: Ravenswood MS – Realignment Phase 1
tk1sc Project No.: 2017-0887

Electrical

EA12.2A – Building A Power Plan – Area A

- Removed power outlets on North walls of rooms A2 and A3.
- Added above counter power outlet over sink on west wall in room A3.

EA12.2B – Building A Power Plan – Area B

- Removed power outlets on North walls of rooms A18, A19 and A20.
- Added above counter power outlet over sink on west wall in room A19 and A20.

EA12.3A – Building A Signal Plan – Area A

- Removed data outlets on North walls of rooms A2 and A3.

EA12.3B – Building A Signal Plan – Area B

- Removed data outlets on North walls of rooms A18, A19 and A20.

EF12.2A – Building F Power Plan – Area A

- Added surface mounted raceway on east wall of room F3.
- Added receptacles for AV system TV monitors and AV display.
- Relocated power outlets from south wall to west wall in room F3.
- Added Plan Notes 4,5,6 and 7.

EF12.3A – Building F Signal Plan – Area A

- Added surface mounted raceway on east wall of room F3.
- Relocated clock and data for future clock/speaker from east wall to west wall.
- Revised Plan Note 4.
- Added Plan Notes 9, 10, 11, 12.

E20.1 – Panel Schedules

- Added load to Panel A4, circuits 12 and 14.

E40.0 – Details

- Added detail 6.

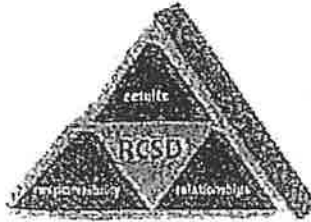
If you have any questions, or require further clarification, please do not hesitate to contact me.

Sincerely,
tk1sc

Andrea Lawson

Andrea Lawson
Senior Engineer - Electrical

RAVENSWOOD CITY SCHOOL DISTRICT



Ravenswood Middle School
Realignment Phase 1
Project Number: 2018-19-004

PROPOSED CHANGE ORDER – PCO # 15 R1 F

TO: RAVENSWOOD CITY SCHOOL DISTRICT DATE ISSUED: 10/24/19

FROM: BEALS MARTIN PRICING DUE BY: _____

REFERENCE RFI # 7/8

REFERENCE RFQ # _____

CONSTRUCTION CHANGE DIRECTIVE # _____

AMOUNT \$ 12,641

DESCRIPTION: RELOCATE POWER & SIGNAL OUTLET

Please submit an itemized quotation for change in the contract sum and time incidental to the proposed modifications to the Contract Documents as described herein. Cost breakdown format shall be as specified including all back up documentation.

RAVENSWOOD CITY SCHOOL DISTRICT

THIS IS NOT A CHANGE ORDER. THIS IS A DIRECTIVE TO PROCEED WITH THE WORK HEREIN DESCRIBED WHEN SIGNED BELOW.

REQUESTED BY:

A. ☒ Architect

B. ☐ DSA Inspector

C. ☐ Contractor

D. ☐ Owner

COST IMPACT:

A. ☐ NONE

B. ☐ DEDUCT: \$ _____

C. ☒ ADD: \$ 12,641

TIME IMPACT:

A. ☒ NONE

B. ☐ DEDUCT _____ DAYS

C. ☐ ADD: _____ DAYS

APPROVAL OF THE PCO BY ALL PARTIES LISTED BELOW SERVES, AS A NOTICE TO PROCEED AND PCO WILL BE FOLLOWED BY A FORMAL CHANGE ORDER.

Contractor:

BY: 

Architect:

BY: _____

District

BY: _____

Construction Manager:

BY: _____



2596 Bay Road, Redwood City, CA 94063

PCO
15R1F

PROPOSED CHANGE ORDER

Ravenswood Middle School

10/23/2019

<u>DESCRIPTION OF WORK</u>	<u>SUBCONTRACTOR</u>	<u>AMOUNT</u>
Relocation of power and signal outlets per CCD 1, RFI 7&8	Sanpri	11,803

Subcontractor Subtotal	\$	11,803
GC Markup 5%		590
Subcontractor Subtotal	\$	12,393
Bond @2%		248
SUBTOTAL #1: Subcontractor Total	\$	12,641

<u>DESCRIPTION OF WORK</u>	<u>AMOUNT</u>
Supervision: 0 hrs @ \$125/hour	\$ 0
Carpentry Labor 12 hrs @ \$93/hour	0
Laborer 4 hrs @ \$65/hour	0
Lumber	0
Hardware @35%	0
	0
GC Subtotal	\$ 0
GC Markup 15%	0
GC Subtotal	\$ 0
Bond @2%	0
SUBTOTAL #2: GC Total	\$ 0

TOTAL PCO AMOUNT (#1 + #2) \$ 12,641

Impact of 0 days



SANPRI ELECTRIC, INC.

14548 Charmeran Ave., San Jose, CA 95124
CA LICENSE #828272 - DIR#1000007024



**Change Order
CCD-01(Rev 2)
Modify to 10% OH & P
Revisions to Base Bid Drawings**

Project: Ravenswood MS Realignment
Sent To: Beals Martin
Date: 10-21-19
Division: Electrical

Scope of work:

**Review of Drawing Changes E3.0, EF12.2A, EA12.2A, FA12.2B,
EF12.2A, EA12.3A, EA12.3b, EF12.3A, T10.0, T10.1, T10.2, T10.3,
T10.4, Branch Circuit Changes, Voice-Data Changes, Locker Room
Changes, Music Room Changes**

Total Invoice Price: Add: \$ 13,732.20

Deduct: \$ 1,928.81 Signa West Systems

Net Total: \$ 11,803.39

**Exclusions:: Roof Penetrations, Roof Caps & Flanges
Cut, Patch & Paint-Walls, Floors & Ceilings
Overtime Labor**

C:\EST\RAVCCD1A.BWB

RECAP SHEET

JOB NAME RAVENSWOOD MS REALIGNMENT CDD-01A REV C/O

EST BY: SAN PRI ELECTRIC INC

DATE

9-07-19

EST#

RAVCCD1A

SHEET

MATERIAL

LABOR HRS.

A1	X	ASSEMBLIES #1-50
A2	X	ASSEMBLIES #50-100
1	X	ELECTRICAL MATERIALS
2	X	MISC ELECTRICAL
3	X	
4	X	
5	X	
6	X	
7	X	
8	X	
9	X	
10	X	
11	X	
12	X	
13	X	
14	X	
15	X	
16	X	
17	X	
18	X	

\$246.57

55.28

\$488.50

21.98

MISC. MATERIAL & LABOR

PRICING SHEET MATERIAL TOTALS

\$735.07

QUOTATIONS

LIGHTING LIGHTING QUOTATION SUMMARY

POWER POWER

QUOTE #1

QUOTE #2

QUOTE #3

QUOTE #4

QUOTE #5

QUOTE #6

QUOTE #7

QUOTE #8

QUOTED MATERIAL COST

OVERHEAD SUMMARY

LABOR	%	5	\$490.53
MATERIAL	%	5	\$36.75
QUOTES	%	5	
JOB COST	%	5	
OVERHEAD			\$527.28

PROFIT SUMMARY

LABOR	%	5	\$490.53
MATERIAL	%	5	\$36.75
QUOTES	%	5	
JOB COST	%	5	
PROFIT			\$527.28

SALES TAX SUMMARY

LABOR	%		
MATERIAL	%	10	\$73.51
QUOTES	%	10	
JOB COST	%		
SALES TAX			\$73.51

TOTAL LABOR HOURS

77.25

LABOR RATE

x

\$126.99

SUBTOTAL LABOR COST

\$9,810.81

% LABOR FACTOR

LABOR COST

\$9,810.81

MATERIAL COST

\$735.07

QUOTES

JOB COST

PRIME COST

\$10,545.68

OVERHEAD

\$527.28

NET COST

\$11,072.97

PROFIT

\$527.28

SALES TAX

\$73.51

SUBTOTAL

\$11,673.76

BOND

SELLING PRICE

\$11,673.76

JOB NAME		PRICING SHEET #1		DATE		9-07-19	
DESCRIPTION		RAVENSWOOD MS REALIGNMENT CCD-01A RIEST #		EST. BY		RAVCCD1A	
		ELECTRICAL MATERIALS				SAN PRI ELEC	
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT	
1	PANDUIT T70 SERIES RACEWAY		E				
2	RACEWAY T70B188 30 LF	1	E		E		
3	COUPLING T70BC1W-3	3	E		3.00E	3.00	
4	BASE T70BC1W-30 30 LF	1	E		0.50E	1.50	
5	END CAP T70BEC1W	2	E		1.00E	1.00	
6	COVER COUPLING T70CC1W-3	3	E		0.30E	0.60	
7	ENTR END FTG T70EE1W	3	E		0.30E	0.90	
8	BACK FEED FTG T70BF1W/BF1	3	E		0.30E	0.90	
9	COVER T70C1W8 30 LF	1	E		1.00E	3.00	
10	ANGLE END FTG T70RA1W	1	E		1.00E	1.00	
11	TEE FTG T70T1W	3	E		0.50E	0.50	
12	TEE FTG INSERT T70T1D	3	E		0.50E	1.50	
13	TRANSITION FTG T70TR1W	1	E		0.50E	1.50	
14	WIRE RETAINER T70WR-6	6	E		1.00E	1.00	
15	FACE PLATE BRKT T70SDB	11	E		0.30E	1.80	
16	COVER CLIP	6	E		0.30E	3.30	
17	PANDUIT MATERIAL COST	1	\$680.00E	\$680.00	0.30E	1.80	
18	VOICE-DATA CHANGES	-1	\$1,715.37E	(\$1,715.37)	E		
19	EMT 3/4"	180	\$67.54C	\$121.57	E		
20	EMT 1"	-120	\$115.44C	(\$138.53)	3.50C	8.30	
21	EMT COUP CP 3/4"	18	\$41.64C	\$7.50	4.00C	-4.80	
22	EMT COUP CP 1"	-12	\$64.18C	(\$7.70)	7.00C	1.26	
23	EMT CONN CP 3/4"	-4	\$43.20C	(\$1.73)	10.00C	-1.20	
24	EMT CONN CP 1"	-8	\$53.77C	(\$4.30)	7.00C	-0.28	
25	EMT STRAP 1H 3/4"	36	\$81.00C	\$29.16	8.00C	-0.64	
26	EMT STRAP 1H 1"	-24	\$201.00C	(\$48.24)	6.00C	2.16	
27	THHN CU STRANDED #12	600	\$110.81M	\$66.37	8.00C	-1.92	
28	SQ4 1.5D COMBO	-9	\$111.78C	(\$10.06)	5.00M	3.00	
29	SQ4-RING 1G RAISE 5/8"	-5	\$937.62C	(\$46.88)	25.00C	-2.25	
30	SQ4-RING 2G RAISE 5/8"	-4	\$814.52C	(\$32.58)	5.00C	-0.25	
31	DUPLEX 20A IV 5362-1	-9	\$850.00C	(\$58.50)	5.00C	-0.20	
32	PLATE DUPLEX 1G IV	-9	\$58.62C	(\$5.28)	25.00C	-2.25	
33	AL BOX 1G 3-3/4" HUBS	1	\$860.00C	\$8.60	3.00C	-0.27	
34	AL COVER BLANK	1	\$282.32C	\$2.62	45.00C	0.45	
35	FLEX STEEL 3/4"	4	\$111.45C	\$4.46	7.00C	0.07	
36	FLEX CONN SQ IR 3/4"	2	\$631.96C	\$12.64	3.50C	0.14	
37	CBB 22K 1P 20A B120H	2	\$77.00E	\$154.00	8.00C	0.16	
38	DWG CHANGES PREP	1	\$475.00E	\$475.00	1.75E	3.50	
39	ON SITE MEETINGS REVIEW	1	E		E		
40	TYPE 8 FIXTURE	5	\$215.38E	\$1,076.90	8.00E	8.00	
41	TYPE X.EM	1	\$175.00E	\$175.00	2.00E	10.00	
42	TYPE 7	-4	\$130.77E	(\$523.08)	2.00E	2.00	
43	SEISMIC CLIP	20	\$125.00C	\$25.00	2.00E	-8.00	
44	RELOCATE (E) TIMER	1	E		5.00C	1.00	
					16.00E	16.00	
SUBTOTAL				\$246.57			
MULTIPLIER (DEFAULT=1)				X 1.00	X		
SHEET TOTALS FORWARDED TO >>> RECAP				\$246.57			
						55.28	
						1.00	
						55.28	

JOB NAME		PRICING SHEET #2		DATE		9-07-19	
DESCRIPTION		RAVENSWOOD MS REALIGNMENT CCD-01A RIEST #		EST. BY		RAVCCD1A	
		MISC ELECTRICAL				SAN PRI ELEC	
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT	
1	EMT 1"	30	\$64.16C	\$19.25	4.00C	1.20	
2	EMT 1 1/4"	30	\$607.50C	\$182.25	6.00C	1.80	
3	EMT COUP CP 1"	3	\$64.16C	\$1.92	10.00C	0.30	
4	EMT COUP CP 1 1/4"	3	\$886.00C	\$26.58	16.00C	0.48	
5	EMT CONN CP 1"	6	\$53.77C	\$3.23	8.00C	0.48	
6	EMT CONN CP 1 1/4"	6	\$675.00C	\$40.50	17.00C	1.02	
7	EMT STRAP 1H 1"	6	\$201.00C	\$12.06	4.00C	0.24	
8	EMT STRAP 1H 1 1/4"	6	\$275.00C	\$16.50	10.00C	0.60	
9	HAND DIG AREA		E		8.00E		
10	PVC 40 1"	30	\$63.00C	\$18.90	2.75C	0.82	
11	PVC 40 1 1/4"	30	\$118.00C	\$35.40	2.80C	0.84	
12	GRC ELL 1"	6	\$880.00C	\$52.80	30.00C	1.80	
13	GRC ELL 24R 1-1/4"	6	\$86.34C	\$5.18	0.85E	5.10	
14	PVC 40 FE ADAPTER 1"	6	\$78.25C	\$4.70	8.00C	0.48	
15	PVC 40 FE ADAPTER 1 1/4"	6	\$78.48C	\$4.71	10.00C	0.60	
16	JET LINE	70	\$75.00M	\$5.25	3.00M	0.21	
17	CUT IN BOX	6	\$988.00C	\$59.28	1.00E	6.00	
18			E		E		
19			C		C		
20			E		E		
21			E		E		
22			E		E		
23			E		E		
24			E		E		
25			E		E		
26			E		E		
27			E		E		
28			C		C		
29			E		E		
30			E		E		
31			E		E		
32			E		E		
33			E		E		
34			E		E		
35			E		E		
36			E		E		
37			E		E		
38			E		E		
39			E		E		
40			E		E		
41			E		E		
42			E		E		
43			E		E		
44			E		E		
SUBTOTAL				\$488.50		21.98	
MULTIPLIER (DEFAULT=1)			X	1.00	X	1.00	
SHEET TOTALS FORWARDED TO >>> RECAP				\$488.50		21.98	

March 19, 2019

Nicolas Sibai
SVA Architects
2335 Broadway #301
Oakland, CA 94612

Re: Ravenswood MS – Realignment Phase 1
tkisc Project No.: 2017-0887

Electrical

EA12.2A – Building A Power Plan – Area A

- Removed power outlets on North walls of rooms A2 and A3.
- Added above counter power outlet over sink on west wall in room A3.

EA12.2B – Building A Power Plan – Area B

- Removed power outlets on North walls of rooms A18, A19 and A20.
- Added above counter power outlet over sink on west wall in room A19 and A20.

EA12.3A – Building A Signal Plan – Area A

- Removed data outlets on North walls of rooms A2 and A3.

EA12.3B – Building A Signal Plan – Area B

- Removed data outlets on North walls of rooms A18, A19 and A20.

EF12.2A – Building F Power Plan – Area A

- Added surface mounted raceway on east wall of room F3.
- Added receptacles for AV system TV monitors and AV display.
- Relocated power outlets from south wall to west wall in room F3.
- Added Plan Notes 4,5,6 and 7.

EF12.3A – Building F Signal Plan – Area A

- Added surface mounted raceway on east wall of room F3.
- Relocated clock and data for future clock/speaker from east wall to west wall.
- Revised Plan Note 4.
- Added Plan Notes 9, 10, 11, 12.

E20.1 – Panel Schedules

- Added load to Panel A4, circuits 12 and 14.

E40.0 – Details

- Added detail 6.

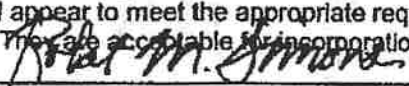
If you have any questions, or require further clarification, please do not hesitate to contact me.

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

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

School District/Owner: Ravenswood City School District	DSA File #: 7 - 29
Project Name/School: Ravenswood MS Realignment Phase :	DSA App. #: 01 - 117275

APPLICANT		
CCD Cat. <input type="checkbox"/> A / <input checked="" type="checkbox"/> B, #01	Date Submitted: 03/10/10	Attached Pages?: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (10 pages)
For CCD Cat. B, this is a <input checked="" type="checkbox"/> voluntary submittal, <input type="checkbox"/> DSA required submittal (attach DSA notification requiring submission).		
Firm Name: SVA Architects	Contact Name: Nicolas Sibai	
Email: nsibai@sva-architects.com	Phone Number: (510) 267-3180	
Address: 2335 Broadway Suite 301		
City: Oakland	State: CA	Zip: 94612
<input type="checkbox"/> A DSA 301-N, DSA 301-P, or 90-Day Letter has been issued for this project.		
<input checked="" type="checkbox"/> For project currently under construction.		
<input type="checkbox"/> To obtain DSA approval of existing uncertified building(s).		

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE	
Name of Design Professional in General Responsible Charge: Robert Simons	
Professional License #: C-18301	Discipline: Architecture
Design Professional in General Responsible Charge Statement: The attached Construction Change Documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project.	
Signature: 	
DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE	

CHECK THIS BOX: <input type="checkbox"/> To confirm that all CCD drawings and, when applicable, first sheet or index of calculations and specifications have been stamped and signed by the Responsible Design Professional listed on DSA 1 for this project.
Brief description of construction change (attach additional sheets if needed): Relocate electrical power and signal outlets at masonry furring walls in Buildings A & F. See attached revision narrative.
List of DSA approved drawings affected by this CCD: See attached revision narrative

DSA USE ONLY SSS _____ Date _____ Approved / Disapproved / Not Req'd FLS _____ Date _____ Approved / Disapproved / Not Req'd ACS _____ Date _____ Approved / Disapproved / Not Req'd Remarks _____	For business office use only Date Sent _____ Return By _____ Delivery Method _____	DSA Stamp
---	--	------------------

Signawest Systems Inc

7300-D Central Avenue
Newark CA 94560-4205
Pho : 510.795.8999
Fax : 510.795.9544

Extra Work

NO: 2118-S01R1

Date: 05/08/19

Sanpri Electric Inc
14548 Charmeran Avenue
San Jose CA 95124
Attn: Jose Sanchez

S I T E
Ravenswood Middle School - Realignment Phase 1
2120 Euclid Avenue
East Palo Alto, CA

SIGNAWEST NO	REFERENCE NO.	SWI MODIFICATION NO.	SIGNAWEST CONTACT	CUSTOMER PHONE	CUSTOMER FAX	EMAIL	STATUS
211818	CCD #1	SEW-01R1	Thu Dao	408-210-3741	408-558-8544	sanprielectrics@yahoo.com	Pending

SCOPE OF EXTRA WORK:

Voice & Data: Delete 2 port locations on North Walls in Rm A2, A3, A18, A19, & A20 in Bldg A per CCD No.1

QTY	CODE	MANUFACTURER	MODEL	DESCRIPTION	LABOR	EXTENSION	MATERIAL	EXTENSION
(10)	1165	Leviton	51UJK-RL8	Outlet, Cat-6, Blue	0.250	(2.50)	15.20	(152.00)
(5)	1100	Leviton	42080-2WS	Wall Plate 2 Port, White	0.100	(0.50)	4.25	(21.25)
(55)	280	Berk-Tek	10138339	Cable, 4 Pr 23 AWG, LANmark Cat-6, Blu, CMR	0.010	(5.50)	0.41	(227.70)
(10)	1714	Signawest	Labor	Voice & Data Commission	0.250	(2.50)		

Material	(400.95)
Sales Tax	9.50%
Freight	(38.09)
Field Labor	(20.05)
Material Handling	(3,214.90)
Warranty	(12.03)
Doc & Certification	(57.44)
OH & P	(175.35)

Thank you for choosing Signawest as your systems provider. This EXTRA WORK quotation shall remain valid for 60 days from date of issuance. Individual cost(s) are dependent upon approval of the entire EXTRA WORK quotation. Terms are net 45 days and past due balances shall be subject to an interest charge of 1.5% per month, or the maximum permitted by law.

Approved: _____ Date: _____

Plan Review / Permit Fee
Day(s) Added to schedule

TOTAL QUOTATION (1,928.81)

RMS PCOs 58, 60R5 & 73

Per the spreadsheet provided by Norine and the meeting held in the BMI office on 12/20, additional information was requested in order to clarify these change orders. These included the following:

- As-built drawings from Signawest
- Certified payroll backup

The as-builts were to help determine the actual length of conduit runs required and upon review, the sub has reduced the amount of conduit by 460 lf and this is reflected in the revised PCO 73R2F submitted separately.

As for the CPR backup request, note that since the sub provided a hard bid, and the work on the above PCOs was not done on T & M, they are not required to track their time to the change order and didn't do so. The CPR backup is to show typical rates charged during the project.

[illegible]

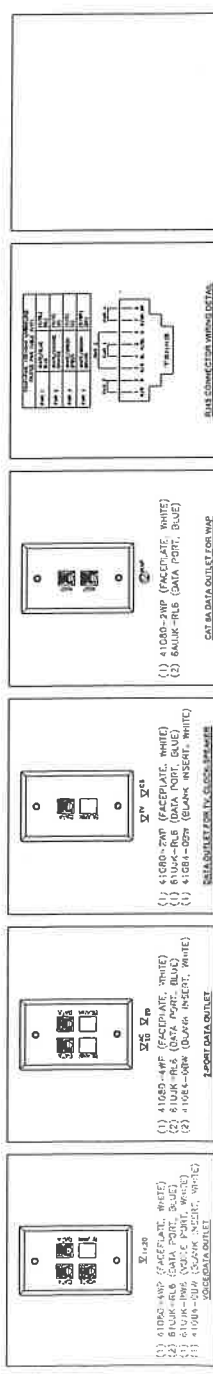
SHEET INDEX	
37-101	LEGEND AND NOTES
37-101	STRUCTURED CABLEING Riser DIAGRAM
37-102	INTRUSION DETECTION Riser DIAGRAM
37-103	ALC PLAN
37-104	1 ST FLOOR PLAN
37-105	2 ND FLOOR PLAN - SOUTH
37-106	3 RD FLOOR PLAN - NORTH

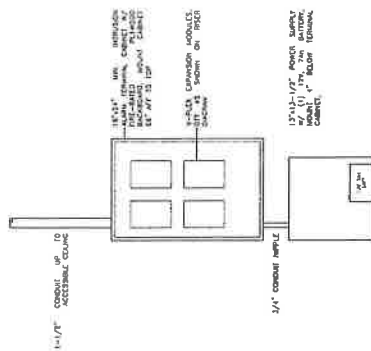
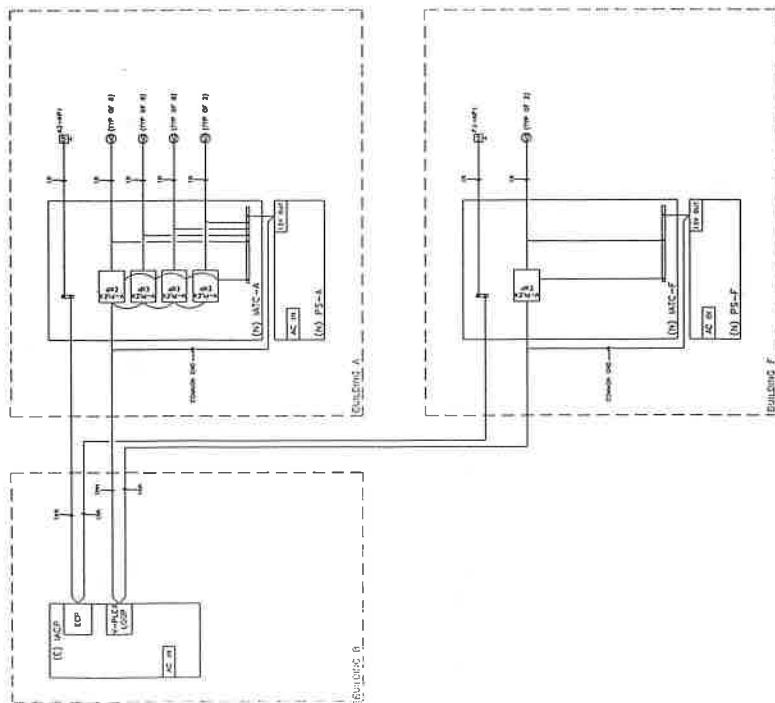
AS

RAVENSWOOD MIDDLE SCHOOL - REALIGNMENT PHASE 1
EAST PALO ALTO, CA

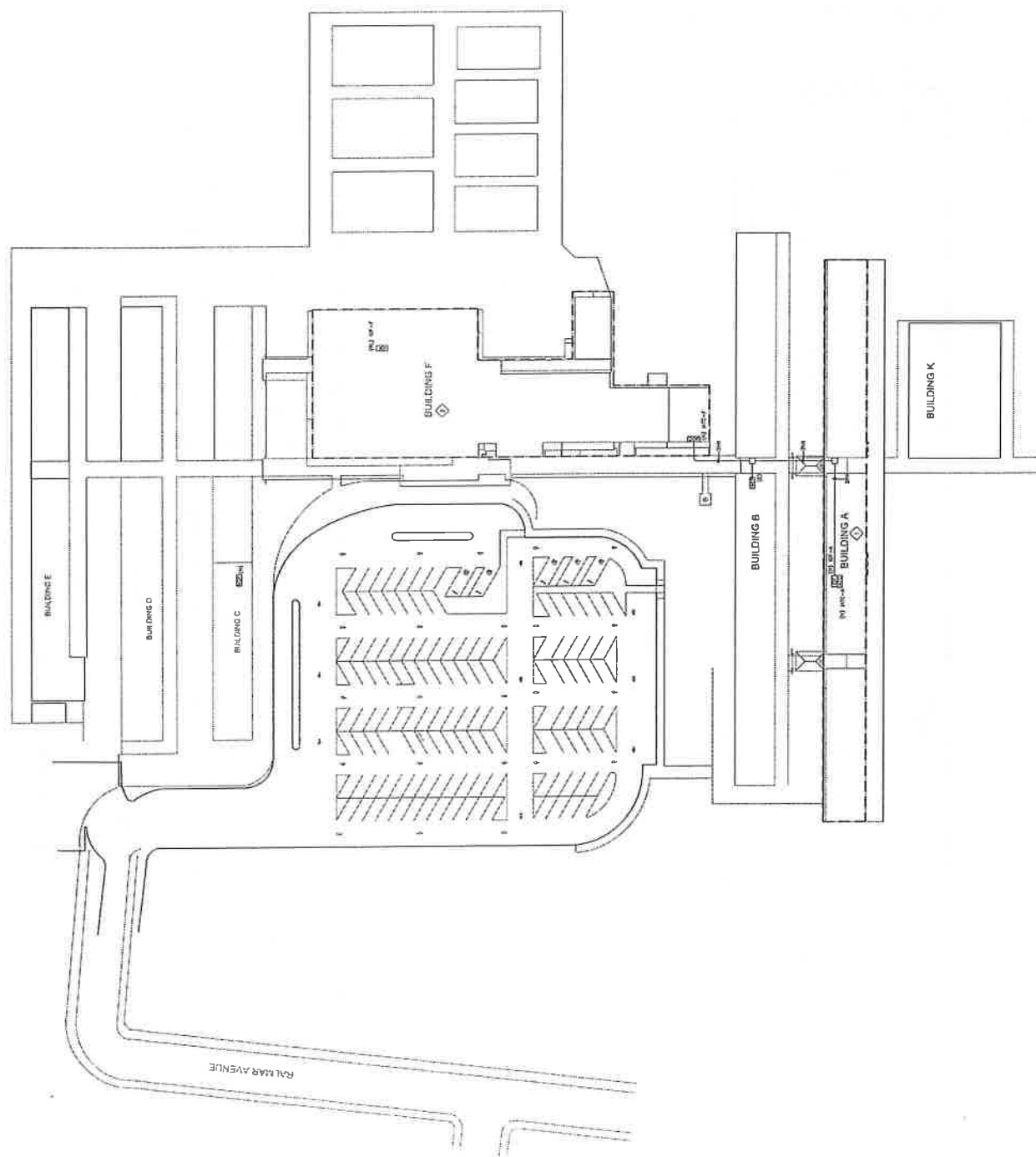
RACK ELEVATION

STRUCTURED CABLING SYSTEM RISER DIAGRAM



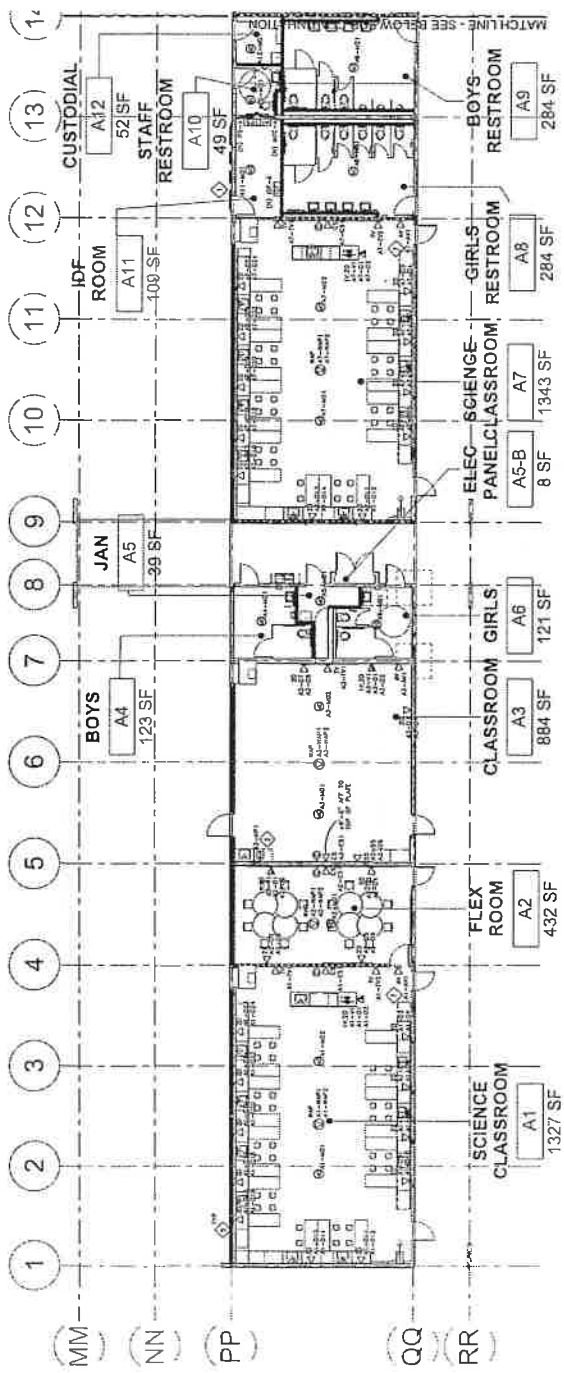


SHEET NOTES:
◇ BUILDING A, SEE FLOOR PLAN ON SHEET SY3.01.
◇ BUILDING F, SEE FLOOR PLANS ON SHEETS SY3.02 AND SY3.03.

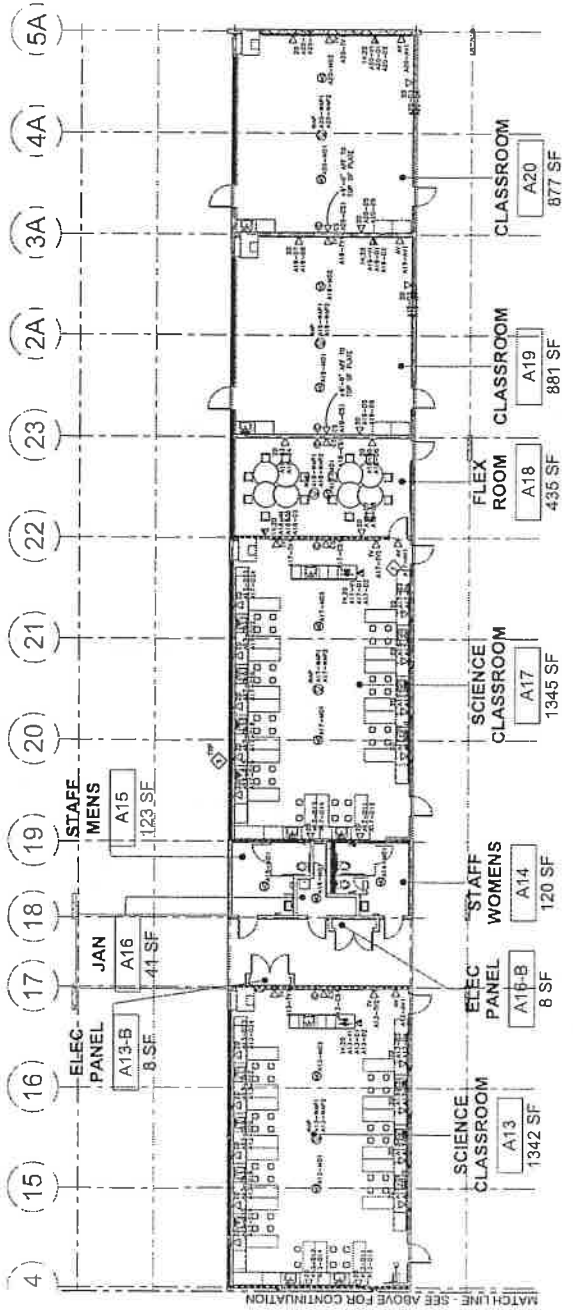


SY3.00

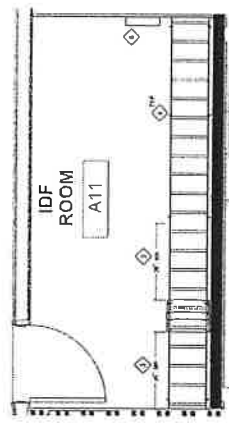
GENERAL NOTES:
 1. SEE Riser DIAGRAMS ON SY2.01 AND SY2.02 FOR CABLING REQUIREMENTS.
SHEET NOTES:
 1. IDF ROOM A11, SEE ENLARGED PLAN ON THIS SHEET.
 2. MOUNT KEYPAD ABOVE COUNTER, MATCH HEIGHT OF ADJACENT SWITCHES.
 3. PROVIDE 3" CLEAR SPACE (MIN) IN FRONT OF AND BEHIND COUNTER.
 4. SUPPORT CABLE RUNWAY FROM STRUCTURE ABOVE USING 3/8" THREADED ROD SPACED AT 48" O.C. MAX.
 5. DATA OUTLETS MOUNTED ABOVE COUNTER SHALL BE MOUNTED ON 1/2" ALUMINUM CHANNEL WITH SINGLE-GANG RING.
 6. ALL CABLES SHALL BE BUNDLE AND TIED TOGETHER ABOVE POWER SUPPLY. SEE SY2.02 FOR MORE INFORMATION.
 7. ALL ENCLOSURES (BY OTHERS) SHALL BE MOUNTED ABOVE DOOR.
 8. SEE ALL DRAWINGS FOR MORE INFORMATION.



BUILDING A FLOOR PLAN - WEST
 SCALE: 1/8" = 1'-0"



BUILDING A FLOOR PLAN - EAST
 SCALE: 1/8" = 1'-0"



IDF ROOM A11 ENLARGED FLOOR PLAN
 SCALE: 1/4" = 1'-0"

MATCH LINE - SEE SY3.03 FOR CONTINUATION

GENERAL NOTES:
1. DIAGRAMS ON SY2.01 AND SY2.02 FOR CABLING REQUIREMENTS

SHEET NOTES:

- ◇ [NOT USED]
- ◇ [NOT USED]

◇ MOUNT DATA OUTLET AND CLOCK ABOVE DOOR TO PRACTICE ROOM F4

(E) GIRLS
34
142 SF

(E) BOYS
35
124 SF

(E) MPR
2
81
3125 SF

MUSIC
STORAGE
F1
74 SF

HALLWAY
F2
48 SF

PRACTICE
RM 1
F4
109 SF

PRACTICE
RM 2
F5
109 SF

(E) STAGE
33
985 SF

STUDIO
BOOTH
28
176 SF

STUDIO
27
286 SF

(E) HEATER
ROOM
26
659 SF

MUSIC
ROOM
F3
1214 SF

LIBRARY
F6

OFFICE
F7



BUILDING F FLOOR PLAN - SOUTH
SCALE: 1/8"=1'-0"



COMPANY
SIGNAVNET SYSTEMS, INC.
14345 CHARDON AVENUE
SAN JOSE, CA 95124
PH: (408) 210-3741
FAX: (408) 250-9344

PROJECT
RAVENSWOOD MIDDLE
SCHOOL - REALIGNMENT
PHASE 1

DATE
08-11-18
BY
SY3.02

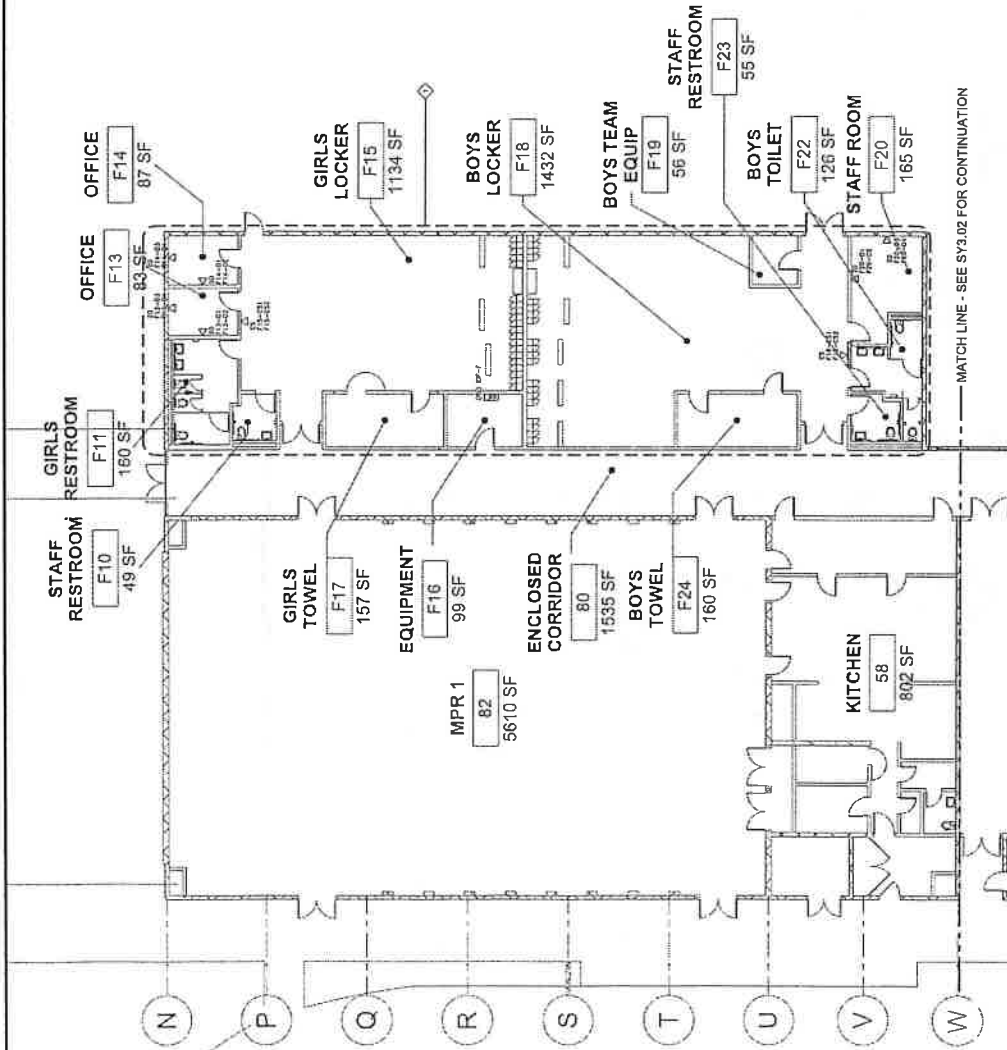
PROJECT
RAVENSWOOD MIDDLE
SCHOOL - REALIGNMENT
PHASE 1

PROJECT
RAVENSWOOD MIDDLE
SCHOOL - REALIGNMENT
PHASE 1

PROJECT
RAVENSWOOD MIDDLE
SCHOOL - REALIGNMENT
PHASE 1

BUILDING F FLOOR PLAN - SOUTH
Scale: 1/8"=1'-0"
Date: 08-11-18
Drawn by: [Name]
Checked by: [Name]
Project: [Name]

SY3.02



Public Works Certified Payroll Reporting Form

Certification under penalty of perjury:

"I, BARBARA BURNS, the undersigned, am the ADMIN (position in business) with the authority to act for and on behalf of SANPRI ELECTRIC (name of business and/or contractor), certify under penalty of perjury that the records or copies thereof submitted and consisting of certified payroll records for the week ending 2019-10-13 are the originals or true, full, and correct copies of the originals which depict the payroll record(s) of the actual disbursements by way of cash, check, or whatever form to the individual or individuals named. I certify this on 2019-11-25."

Contractor Name: SANPRI ELECTRIC INC. Contractor PWCR: 1000007024 License Type: CSLB License Number 828272
 Address: 14548 CHARMERAN AVE, SAN JOSE, CA 95124 FEIN: 020592468 Contractor Email: SANPRIELECTRIC@YAHOO.COM
 Insurance Number:

Awarding Body: RAVENSWOOD CITY SCHOOL DISTRICT, DIR Project ID: 274868 Project Name: RMS REALIGNMENT - PHASE 1
 Contract With: 274868 County: SAN MATEO Address: 2450 RALMAR AVENUE, EAST PALO ALTO, CA 94303

Payroll Number: 32 - 0 For Week Ending: 10/13/2019 ☐ Is this a 'Statement of Non-Performance'?

Name, Address and Social Security Number of Worker		Number of Withholding		Day								Deductions, Contributions, and Payments										Net Wage Paid For Week		Check Number	
				Date							Total Hours	Hourly Pay Rate	Gross Amount Earned		Federal Tax	FICA	State Tax	SDI	Vac/ Holiday	Health & Welf.	Pension				
				Mon	Tue	Wed	Thu	Fri	Sat	Sun															
JOSE SANCHEZ 14548 CHARMERAN AVE		1		10/07 10/08 10/09 10/10 10/11 10/12 10/13																					
		Work Classification		Hours Worked Each Day																					
		ELECT JOURNEYMAN		S	8.00	0.00	4.00	5.00	4.00	0.00	0.00	21.00	126.50	3,162.50	7,566.00	1,284.65	130.80	481.40	0.00	0.00	343.85	457.70	4,918.29	6000887	
				O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			32.89	0.00	389.62	0.00	0.00	138.57	2,266.47			
				D	0.00	0.00	0.00	0.00	0.00	2.00	0.00	2.00	253.00												

NOTE:

Name, Address and Social Security Number of Worker		Number of Withholding	Day							Deductions, Contributions, and Payments										Net Wage Paid For Week	Check Number	
			Mon	Tue	Wed	Thu	Fri	Sat	Sun	Total Hours	Hourly Pay Rate	Gross Amount Earned		Federal Tax	FICA	State Tax	SDI	Vac/ Holiday	Health & Welf.			Pension
												This Project	All Projects									
DAVID HERRERA 1504 DREYFUS		2	Hours Worked Each Day										116.54	108.77	73.70	14.22	0.00	74.75	99.50			
		Work Classification	10/07	10/08	10/09	10/10	10/11	10/12	10/13													
		ELECT JOURNEYMAN	S	5.00	0.00	0.00	0.00	0.00	0.00	5.00	68.52	342.60	1,421.79	Training	Fund Admin	Dues	Trav/ Subs	Savings	Other	Total Deduct		
			O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			7.15	0.00	99.53	0.00	0.00	15.64	412.76		
			D	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00											
																					6000885	

NOTE:

Name, Address and Social Security Number of Worker		Number of Withholding		Day								Deductions, Contributions, and Payments										Net Wage Paid For Week		Check Number					
				Date							Sat	Sun	Gross Amount Earned		Federal Tax	FICA	State Tax	SDI	Vac/ Holiday	Health & Welf.	Pension								
				Mon	Tue	Wed	Thu	Fri			Total Hours	Hourly Pay Rate																	
PETER ICAZA 663 N SAN PEDRO ST SAN JOSE CA 95110		5 Work Classification		Hours Worked Each Day								3.50		239.92		2,912.10		372.81	222.78	176.21	23.35	0.00	52.33	69.65	Total Deduct	1,414.00			
		ELECT JOURNEYMAN		S								3.50		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
				O								0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
				D								0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	

NOTE:

Certification under penalty of perjury:

Contractor Name: SANPRI ELECTRIC INC.
Contractor PWCR: 1000007024
License Type: CSLB
License Number 828272

Address: 14548 CHARMERAN AVE, SAN JOSE, CA 95124
FEIN: 020592468
Contractor Email: SANPRIELECTRIC@YAHOO.COM

Insurance Number:

Awarding Body: RAVENSWOOD CITY SCHOOL DISTRICT.

Contract With: 274868
County: SAN MATEO
Address: 2450 RALMAR AVENUE, EAST PALO ALTO, CA 94303

Payroll Number: 31 - 0

Name, Address and Social Security Number of Worker EDUARDO SANCHEZ 14548 CHARMERAN AVE SAN JOSE CA 95124 [REDACTED]		Number of Withholding 2 Work Classification ELECTRICIAN FOREMAN	Day							Deductions, Contributions, and Payments							Net Wage Paid For Week 223.36 8000881	
			Mon	Tue	Wed	Thu	Fri	Sat	Sun	Gross Amount Earned This Project 313.40 313.40	Federal Tax 3.88 Training	FICA 23.98 Fund Admin	State Tax 0.00 Dues	SDI 0.00 Trav/ Subs	Vac/ Holiday 0.00 Savings	Health & Welf. 59.80 Other		Pension 79.60 Total Deduct 89.80
			Date															
			Hours Worked Each Day															
			09/30	10/01	10/02	10/03	10/04	10/05	10/06	Total Hours 4.00	Hourly Pay Rate 78.35							
			S	0.00	0.00	0.00	4.00	0.00	0.00	0.00	4.00	0.00						
			O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
			D	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
NOTE:																		

Name, Address and Social Security Number of Worker DAVID HERRERA 1504 DREYFUS MODESTO CA 95355 [REDACTED]		Number of Withholding 2 Work Classification ELECT JOURNEYMAN	Day							Deductions, Contributions, and Payments							Net Wage Paid For Week 1,421.72 6000879	
			Mon	Tue	Wed	Thu	Fri	Sat	Sun	Gross Amount Earned This Project 650.94 2,124.12	Federal Tax 222.56 Training	FICA 182.50 Fund Admin	State Tax 145.55 Dues	SDI 21.24 Trav/ Subs	Vac/ Holiday 0.00 Savings	Health & Welf. 142.03 Other		Pension 189.05 Total Deduct 700.54
			Date															
			Hours Worked Each Day															
			09/30	10/01	10/02	10/03	10/04	10/05	10/06	Total Hours 9.50	Hourly Pay Rate 68.52							
			S	5.00	4.50	0.00	0.00	0.00	0.00	0.00	9.50	68.52						
			O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
			D	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
NOTE:																		