





STRONGHOLD ENGINEERING, INC.

2000 Market Street, Riverside, CA 92501 • Tel (951) 684-9303 • Fax (951) 684-9329 • Est. Fax (951) 684-3813

Established 1991

August, 3, 2018

ELECTRONIC TRANSMISSION

Mike Wickham, Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 044 – 1st Floor Fire Alarm T&M for FSD/Duct Detector**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work for HCI for the demolition of FSD and Duct Detector per direction from Kitchell on T&M work for the RUHS 2nd Floor Cath lab Project. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. 1st Floor FSD & Duct Detector

A. This change order is provided at the request of Stronghold Engineering for the work on the first floor due to the deletion of a VAV unit. HCI to provide deprogramming only. Any additional labor above what is quoted shall be billed back to the customer. This change order excludes revised fire alarm drawings. All work is to be performed during regular business hours. Overtime to complete work is excluded. All necessary conduit work shall be provided by others. Replacement of the existing duct detectors is excluded. All necessary patching of duct work shall be provided by others.

The total COR amount to complete the changes listed above is \$1,638.00

Sincerely,

STRONGHOLD ENGINEERING, INC.

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

www.strongholdengineering.com

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PROPOSAL/ESTIMATE **STRONGHOLD ENGINEERING, INC.**

DATE: 3-Aug-18

CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: **0843-000-7374**

TO: **Mike Wickham - Kitchell**

COR 044

DESCRIPTION: **Fire Alarm 1st Floor T&M**

		PRIME CONTRACTOR'S WORK			Revisions/comments
1.	Direct Materials				
2.	Sales Tax on Materials	9.00% of line 1	9.00%	-	
3.	Direct Labor				
4.	Insurance, Taxes, and Fringe Benefits				
5.	Rental Equipment			-	
6.	Sales Tax on Rental Equipment	0.00% of line 5 INCLUDED	0.00%	-	
7.	Equipment Ownership and Operating Expenses			-	
8.	SUBTOTAL (add lines 1-7)			\$ -	
9.	Field Overhead	0% of line 8 INCLUDED	0.00%	-	
10.	SUBTOTAL (Add Lines 8 & 9)			\$ -	

Prime Remarks:

		SUB-CONTRACTOR'S WORK (ACCO)			Revisions/comments
11.	Direct Materials				
12.	Sales Tax on Materials	9.00% of line 11 Included	9.00%		
13.	Direct Labor			1,311	
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13 Included	0.0%	-	
15.	Rental Equipment				
16.	Sales Tax on Rental Equipment	0.00% of line 15 Included	0.00%	-	
17.	Equipment Ownership and Operating Expenses			-	
18.	SUBTOTAL (add lines 11-17)			\$ 1,310.95	
19.	Overhead and Profit	10.0% of line 18 Included	10.0%	131	
20.	Profit	5.0% of line 18&19	5.0%	72	
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 1,514.15	
22.	Sub Contractor Bond Premium	2.0% of line 20 Included		30	
23.		of total change			
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 1,544.43	

Sub's Remarks:

		SUMMARY			Revisions/comments
24.	Prime Contractor's work (from line 10)			-	
25.	Sub-contractor's work (from line 23)			1,544	
26.	SUBTOTAL (add lines 24 & 25)			\$ 1,544.43	
27.	Prime Overhead on sub-contractor	0.0% of line 25	0.0%	-	
28.	Prime's Home Office Overhead	0.0% of line 24	0.0%	-	
29.	Prime's Overhead & Profit	5.0% of line 18	5.0%	77	
30.	SUBTOTAL (add lines 26-29)			\$ 1,621.65	
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	16	
32.	TOTAL COST (add lines 30 & 31)			\$ 1,638.00	

Prime Contractor name: **Stronghold Engineering, Inc.**
 Sub-contractor name: **HCI**

Signature and title of Preparer

Date 08/03/18

VP of General Construction



DATE: 06.18.18	ESTIMATOR: ANDREW FAHRENHORST
CUSTOMER C.O. #: CO-009 - BUDGET	REFERENCE: T&M WORK FOR NEW VAV AND 2ND FLOOR DD
PROJECT #: 7-5478-1	
PROJECT NAME: CATHETERIZATION LABORATORY	
DESCRIPTION: This change order is provided at the request of Stronghold Engineering for the work on the first floor due to the deletion of a VAV unit. HCI to provide deprogramming only. Any additional labor above what is quoted shall be billed back to the customer. This change order excludes revised fire alarm drawings. All work is to be performed during regular business hours. Overtime to complete work is excluded. All necessary conduit work shall be provided by others. Replacement of the existing duct detectors is excluded. All necessary patching of duct work shall be provided by others.	

SUMMARY PAGE

ITEMIZED COSTS:	COST
WIRE TOTAL (FROM PAGE 2)	
EQUIPMENT TOTAL (FROM PAGE 2)	
RENTAL EQUIPMENT	
TOOLS & MISC SAFETY EQUIPMENT	
SHIPPING & HANDLING	
SCHEDULE IMPACT / LOSS TIME	
LICENSE / PERMIT FEE	
BOND FEES	
PARKING / ACCOMMODATION / TRAVEL EXPENSES	
BLUE PRINT / REPRODUCTION EXPENSES (\$3.50 Per Page x 5 Copies)	Number of Sheets:
CLEAN UP EXPENSES	
SUB-CONTRACT LABOR/SERVICES	
TOTAL	

ITEMIZED LABOR:	LABOR RATE	LABOR HOURS	LABOR COST
MATERIAL HANDLING	\$62.80		
CONSTRUCTION LABOR (FROM PAGE 2)	\$78.50	15.00	\$1,177.50
FOREMAN	\$98.13		
SUPERINTENDENT	\$102.05		
PROGRAMMING	\$117.75		
ENGINEERING / CAD	\$117.75		
PROJECT MANAGEMENT	\$133.45	1.00	\$133.45
TOTAL LABOR		16.00	\$1,310.95

TAXES:	RATE
MATERIAL TAXES	9.000%
TOTAL TAXES	

COSTS:		
SUBTOTAL COST		\$1,310.95
SMALL TOOLS & CONSUMABLES		
WARRANTY RESERVE		
TOTAL COST		\$1,310.95
OVERHEAD	10.00%	\$131.10
PROFIT	5.00%	\$72.10
SUB TOTAL		\$1,514.15
Liability Insurance	2.00%	\$30.28
TOTAL SALES PRICE		\$1,544.43



DATE: 06.18.18
CUSTOMER C.O. #: CO-009 - BUDGET
PROJECT #: 7-5478-1
PROJECT NAME: CATHETERIZATION LABORATORY
DESCRIPTION: This change order is provided at the request of Stronghold Engineering for the work on the first floor due to the deletion of a VAV unit. HCI to provide deprogramming only. Any additional labor above what is quoted shall be billed back to the customer. This change order excludes revised fire alarm drawings. All work is to be performed during regular business hours. Overtime to complete work is excluded. All necessary conduit work shall be provided by others. Replacement of the existing duct detectors is excluded. All necessary patching of duct work shall be provided by others.

ESTIMATOR: ANDREW FAHRENHORST
REFERENCE: T&M WORK FOR NEW VAV AND 2ND FLOOR DD

LABOR & MATERIAL DETAIL SHEET

WIRE TYPE	QTY 1000'S	HOURS / M	TOTAL HOURS	MATERIAL COST / M	EXT. WIRE COST
WIRE TOTAL:		HOURS:		COST:	

EQUIPMENT	QTY	HOURS	TOTAL	COST	EXT. COST
DUCT SMOKE DETECTOR (EXISTING)	1	15.00	15.00	\$ -	
EQUIPMENT TOTAL:		HOURS:	15.00	COST:	

DEVICE LABOR HOURS	15.00
WIRE LABOR HOURS	
ADDITIONAL CONSTRUCTION LABOR HOURS	
DEMOLITION HOURS	
TESTING HOURS	
CONSTRUCTION LABOR:	15.00



ONTARIO · IRVINE · SAN DIEGO · HAYWARD · BURBANK · FRESNO · SACRAMENTO

24 Hours Service Number: (877) 331-2084

State Contract License Number: 902401

ACCP#188 C-2, C-49, C-13

SERVICE WORK ORDER

Service Location Information:

Bldg Name: Riverside
 Bldg Address: 21570 Cactus Ave
 City/State/Zip: Moreno Valley CA, 92555
 Contact Name: _____
 Contact Phone: _____
 Service Date: _____

Customer Billing Information:

HCI WOI# _____
 Customer PO#: _____ Job#: _____
 Contact Name: _____
 Attn: _____
 Address: _____
 City/State/Zip: _____
 Telephone: _____
 Job Status: Complete Pending Sales Follow-Up

Job Type: T&M FPJ Testing Install Contract Warranty

Panel Type:

Service Requested:

Demo duct detectors

Description of Work Performed:

Removed the following 2 duct detectors and 1 smoke detector from the field and the program

1st floor "F" duct detector in storage F1075
1st floor "F" Smoke detector in restroom F1077
2nd floor "F" Damper relay O.R.A. F2033

Comments:

[\$65 travel fee and 3 hour minimum service charge will apply]

	Tech 1	Tech 2	Tech 3	Tech 4	Billable
NAME	<u>Abraham Adams</u>				
Start	<u>7:00</u>	<u>7:00</u>			
End	<u>2:30</u>	<u>2:30</u>			
Total Hours					
Reg.	<u>7.5</u>	<u>7.5</u>			<u>15</u>
O.T.					
D.T.					
On Call Trvl					

QTY.	Supplied Materials

Work has been performed as stated: YES NO If No, see comments section

The person requesting this service must be authorized by the company to request service work. Customer, The charges listed for materials and labor have been reviewed and found to be reasonable. Customer agrees to pay for such services rendered upon presentation of an invoice. Furthermore, it is agreed that payment for reasonable charges due to collection and / or attorney fees in the event of non-payment. Accounts past due will be assessed a delinquency charge.

Joe Quirous
 Customer's Printed Name
[Signature]
 Customer's Signature
6/20/18
 Date

Abraham Restorica
 HCI Technician printed Name
[Signature]
 HCI Technician Signature
6/20/18
 Date

PROPOSAL/ESTIMATE **STRONGHOLD ENGINEERING, INC.**

DATE: 7-Aug-18

CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: **0843-000-7374**

TO: **Mike Wickham - Kitchell**

COR 048

DESCRIPTION: Additional Foreman Cost-Ceiling Design Issues

				PRIME CONTRACTOR'S WORK		Revisions/comments	
1.	Direct Materials						
2.	Sales Tax on Materials	9.00% of line 1		9.00%	-		
3.	Direct Labor						
4.	Insurance, Taxes, and Fringe Benefits						
5.	Rental Equipment				-		
6.	Sales Tax on Rental Equipment	0.00% of line 5	INCLUDED	0.00%	-		
7.	Equipment Ownership and Operating Expenses				-		
8.	SUBTOTAL (add lines 1-7)					\$ -	
9.	Field Overhead	0% of line 8	INCLUDED	0.00%	-		
10.	SUBTOTAL (Add Lines 8 & 9)					\$ -	

Prime Remarks:

				SUB-CONTRACTOR'S WORK (ACCO)		Revisions/comments	
11.	Direct Materials						
12.	Sales Tax on Materials	9.00% of line 11	Included	9.00%			
13.	Direct Labor				15,907		
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13	Included	0.0%	-		
15.	Rental Equipment						
16.	Sales Tax on Rental Equipment	0.00% of line 15	Included	0.00%	-		
17.	Equipment Ownership and Operating Expenses				-		
18.	SUBTOTAL (add lines 11-17)					\$ 15,907.37	
19.	Overhead and Profit	10.0% of line 18	Included	10.0%	1,591		
20.	Profit	5.0% of line 18		5.0%	795		
21.	SUBTOTAL (Add Lines 18 & 19)					\$ 18,293.48	
22.	Sub Contractor Bond Premium	1.0% of line 20	Included				
23.			of total change				
24.	SUBTOTAL (Add Lines 20 - 22)					\$ 18,293.48	

Sub's Remarks:

				SUMMARY		Revisions/comments	
24.	Prime Contractor's work (from line 10)				-		
25.	Sub-contractor's work (from line 23)				18,293		
26.	SUBTOTAL (add lines 24 & 25)					\$ 18,293.48	
27.	Prime Overhead on sub-contractor	0.0% of line 25		0.0%	-		
28.	Prime's Home Office Overhead	0.0% of line 24		0.0%	-		
29.	Prime's Overhead & Profit	5.0% of line 18		5.0%	915		
30.	SUBTOTAL (add lines 26-29)					\$ 19,208.15	
31.	Prime Contractor's Bond Premium	1.000% of line 30		1.0%	192		
32.	TOTAL COST (add lines 30 & 31)					\$ 19,400.00	

Prime Contractor name: **Stronghold Engineering, Inc.**
 Sub-contractor name: **Infinity**

Signature and title of Preparer

Date 08/07/18

VP of General Construction

Stronghold Engineering, Inc.
2000 Market St.
Riverside, Ca. 92501

08/06/18



Attention: Camille Crites
Project: Riverside Medical Cath Lab
Reference: Foreman Cost for Ceiling Design
Infinity COR#: 030

SEI COR 019
Revised

Recovery of losses due to Compensable Delays pertaining to Inadequate Design Issues which involves:

- Extensive Meetings to resolve conflicts.
- Trade Coordination for unseen conditions.
- Incomplete Responses which resulted in numerous RFI's and meetings.
- Extensive Supervision / Foreman Time to be present to represent the design team.

Infinity has had an average crew of 2 Carpenters and a Foreman. Typically a Foreman is needed for 12% of regular crew hours worked. To date 208hrs. of regular crew time has been accumulated. This would mean a Foreman would need to be onsite for 24hrs. Our Foreman has worked 304hrs. Time on this COR is for 70% of the additional 280hrs. which has exceeded our total regular 24hrs.

Costs proposed on this COR are to 6-5-18. Infinity reserves the right to additional compensation for future impacts that are unknown. Costs proposed on this COR only pertain to the Ceiling Design aspect.

Description	Quantity	Unit	Cost	Total
LABOR				
Foreman Lather / Carpenter	196	Hours	\$81.16	\$15,907.37
Total Labor:				\$15,907.37
			Subtotal:	\$15,907.37
			15%Overhead & Profit:	\$2,386.11
			Subtotal:	\$18,293.48
			TOTAL:	\$18,293.48

The total for the above changes will be an **ADD** of: **\$18,293**

Respectfully,
Infinity DW Contracting, Inc.

Project Manager
Jason Hernandez



STRONGHOLD ENGINEERING, INC.

2000 Market Street, Riverside, CA 92501 • Tel (951) 684-9303 • Fax (951) 684-9329 • Est. Fax (951) 684-3813

Established 1991

August, 7, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 050 – Relocation of Fire Suppression Lines Below Ceiling**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added in in reference to two fire suppression lines being below ceiling height for installation of drywall and lead for the RUHS 2nd Floor Cath lab Project. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. Relocation of 1-1/4” Suppression Lines – 1 Day

- These lines were below the ceiling and needed to be raised for installation of drywall and lead.

The total COR amount to complete the changes listed above is \$4,269.00

Sincerely,
STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

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PROPOSAL/ESTIMATE **STRONGHOLD ENGINEERING, INC.**

DATE: 21-Aug-18

CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: **0843-000-7374**

TO: **Mike Wickham - Kitchell**

COR 052

DESCRIPTION: **RFI 157 Relocation/Removal of Existing FSD**

		PRIME CONTRACTOR'S WORK			Revisions/comments
1.	Direct Materials				
2.	Sales Tax on Materials	9.00% of line 1	9.00%	-	
3.	Direct Labor				
4.	Insurance, Taxes, and Fringe Benefits				
5.	Rental Equipment			-	
6.	Sales Tax on Rental Equipment	0.00% of line 5 INCLUDED	0.00%	-	
7.	Equipment Ownership and Operating Expenses			-	
8.	SUBTOTAL (add lines 1-7)			\$ -	
9.	Field Overhead	0% of line 8 INCLUDED	0.00%	-	
10.	SUBTOTAL (Add Lines 8 & 9)			\$ -	

Prime Remarks:

		SUB-CONTRACTOR'S WORK (ACCO)			Revisions/comments
11.	Direct Materials			33	
12.	Sales Tax on Materials	9.00% of line 11 Included	9.00%		
13.	Direct Labor			2,983	
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13 Included	0.0%	-	
15.	Rental Equipment				
16.	Sales Tax on Rental Equipment	0.00% of line 15 Included	0.00%	-	
17.	Equipment Ownership and Operating Expenses			-	
18.	SUBTOTAL (add lines 11-17)			\$ 3,015.70	
19.	Overhead and Profit	10.0% of line 18 Included	10.0%	302	
20.	Profit	5.0% of line 18 & 19	5.0%	166	
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 3,483.13	
22.	Sub Contractor Liability Insurance	2.0% of line 20 Included		70	
23.		of total change			
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 3,552.80	

Sub's Remarks:

		SUMMARY			Revisions/comments
24.	Prime Contractor's work (from line 10)			-	
25.	Sub-contractor's work (from line 23)			3,553	
26.	SUBTOTAL (add lines 24 & 25)			\$ 3,552.80	
27.	Prime Overhead on sub-contractor	0.0% of line 25	0.0%	-	
28.	Prime's Home Office Overhead	0.0% of line 24	0.0%	-	
29.	Prime's Overhead & Profit	5.0% of line 18	5.0%	178	
30.	SUBTOTAL (add lines 26-29)			\$ 3,730.44	
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	37	
32.	TOTAL COST (add lines 30 & 31)			\$ 3,768.00	

Prime Contractor name: **Stronghold Engineering, Inc.**

Sub-contractor name: **HCI**

Signature and title of Preparer

Date 08/21/18

VP of General Construction



DATE: 06.08.18	ESTIMATOR: ANDREW FAHRENHORST
CUSTOMER C.O. #: CO-008	REFERENCE: T&M LABOR FOR RELOCATION AND PROGRAMMING
PROJECT #: 7-5478-1	
PROJECT NAME: CATHETERIZATION LABORATORY	
DESCRIPTION: This change order is provided at the request of Stronghold Engineering for the relocation of existing duct detectors and smoke detectors that are outside of base scope of work. All work has been completed and time verified per the signed T&M ticket.	

SUMMARY PAGE

ITEMIZED COSTS:	COST
WIRE TOTAL (FROM PAGE 2)	\$30.00
EQUIPMENT TOTAL (FROM PAGE 2)	
RENTAL EQUIPMENT	
TOOLS & MISC SAFETY EQUIPMENT	
SHIPPING & HANDLING	
SCHEDULE IMPACT / LOSS TIME	
LICENSE / PERMIT FEE	
BOND FEES	
PARKING / ACCOMMODATION / TRAVEL EXPENSES	
BLUE PRINT / REPRODUCTION EXPENSES (\$3.50 Per Page x 5 Copies)	Number of Sheets:
CLEAN UP EXPENSES	
SUB-CONTRACT LABOR/SERVICES	
TOTAL	\$30.00

ITEMIZED LABOR:	LABOR RATE	LABOR HOURS	LABOR COST
CONSTRUCTION LABOR (FROM PAGE 2)	\$78.50	38.00	\$2,983.00
TOTAL LABOR		38.00	\$2,983.00

TAXES:	RATE	
MATERIAL TAXES	9.000%	\$2.70
TOTAL TAXES		\$2.70

COSTS:		
SUBTOTAL COST		\$3,015.70
SMALL TOOLS & CONSUMABLES		
WARRANTY RESERVE		
TOTAL COST		\$3,015.70
OVERHEAD	10.00%	\$301.57
PROFIT	5.00%	\$165.86
SUB TOTAL		\$3,483.13
Liability Insurance	2.00%	\$69.66
TOTAL SALES PRICE		\$3,552.80

PROPOSAL/ESTIMATE STRONGHOLD ENGINEERING, INC.

DATE: 7-Aug-18

CONTRACT TITLE: RUHS 2nd Floor Cath Lab

CONTRACT NO: 0843-000-7374

TO: Mike Wickham - Kitchell

COR 050

DESCRIPTION: Relocation of two 1-1/4" Suppression lines

PRIME CONTRACTOR'S WORK				Revisions/comments	
1.	Direct Materials				
2.	Sales Tax on Materials	9.00% of line 1	9.00%	-	
3.	Direct Labor				
4.	Insurance, Taxes, and Fringe Benefits				
5.	Rental Equipment			-	
6.	Sales Tax on Rental Equipment	0.00% of line 5 INCLUDED	0.00%	-	
7.	Equipment Ownership and Operating Expenses			-	
8.	SUBTOTAL (add lines 1-7)				\$ -
9.	Field Overhead	0% of line 8 INCLUDED	0.00%	-	
10.	SUBTOTAL (Add Lines 8 & 9)				\$ -

Prime Remarks:

SUB-CONTRACTOR'S WORK (ACCO)				Revisions/comments	
11.	Direct Materials			500	
12.	Sales Tax on Materials	9.00% of line 11 Included	9.00%		
13.	Direct Labor			3,000	
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13 Included	0.0%	-	
15.	Rental Equipment				
16.	Sales Tax on Rental Equipment	0.00% of line 15 Included	0.00%	-	
17.	Equipment Ownership and Operating Expenses			-	
18.	SUBTOTAL (add lines 11-17)				\$ 3,500.00
19.	Overhead and Profit	10.0% of line 18 Included	10.0%	350	
20.	Profit	5.0% of line 18	5.0%	175	
21.	SUBTOTAL (Add Lines 18 & 19)				\$ 4,025.00
22.	Sub Contractor Bond Premium	1.0% of line 20 Included			
23.		of total change			
24.	SUBTOTAL (Add Lines 20 - 22)				\$ 4,025.00

Sub's Remarks:

SUMMARY				Revisions/comments	
24.	Prime Contractor's work (from line 10)			-	
25.	Sub-contractor's work (from line 23)			4,025	
26.	SUBTOTAL (add lines 24 & 25)				\$ 4,025.00
27.	Prime Overhead on sub-contractor	0.0% of line 25	0.0%	-	
28.	Prime's Home Office Overhead	0.0% of line 24	0.0%	-	
29.	Prime's Overhead & Profit	5.0% of line 18	5.0%	201	
30.	SUBTOTAL (add lines 26-29)				\$ 4,226.25
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	42	
32.	TOTAL COST (add lines 30 & 31)				\$ 4,269.00

Prime Contractor name: Stronghold Engineering, Inc.

Sub-contractor name: Assured Fire

Signature and title of Preparer

Date 08/07/18

VP of General Construction



ASSURED

FIRE SYSTEMS, INC

Proposed change order #2 for RUHS Bi Plane Cath. Lab

Project number: 17008

Date :6/25/18

1. Relocate two additional 1-1/4" line:

Parts: \$250

Time: 12 hrs. @125/hr.=1500

Total: \$3,500.00

Total for all items: \$3,500.00



STRONGHOLD ENGINEERING, INC.

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Established 1991

August, 21, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 052 – Removal of Existing FSD per RFI 157**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added in response to RFI 157 for removal of existing FSD's for the RUHS 2nd Floor Cath lab Project. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. Removal of Existing FSD per RFI 157 – 4 Days

The total COR amount to complete the changes listed above is \$3,768.00

Sincerely,
STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

www.strongholdengineering.com

California • Arizona • Nevada • Florida • Hawaii • International



Ontario • Burbank • Irvine • Palm Springs • San Diego
 • Hayward • Fresno • Sacramento

Telephone: (877) 331-2084 Fax: (909) 628-7774
 Contractor Lic: 905493

DATE: 06.08.18
CUSTOMER C.O. #: CO-008
PROJECT #: 7-5478-1
PROJECT NAME: CATHETERIZATION LABORATORY
DESCRIPTION: This change order is provided at the request of Stronghold Engineering for the relocation of existing duct detectors and smoke detectors that are outside of base scope of work. All work has been completed and time verified per the signed T&M ticket.

ESTIMATOR: ANDREW FAHRENHORST
REFERENCE: T&M LABOR FOR RELOCATION AND PROGRAMMING

LABOR & MATERIAL DETAIL SHEET

WIRE TYPE	QTY 1000'S	HOURS / M	TOTAL HOURS	MATERIAL COST / M	EXT. WIRE COST
MISC. WIRE	1.000			\$ 30.00	\$30.00
WIRE TOTAL:		HOURS:		COST:	\$30.00

EQUIPMENT	QTY	HOURS	TOTAL	COST	EXT. COST
T&M LABOR	1	38.00	38.00	\$ -	
EQUIPMENT TOTAL:		HOURS:	38.00	COST:	

DEVICE LABOR HOURS	38.00
WIRE LABOR HOURS	
ADDITIONAL CONSTRUCTION LABOR HOURS	
DEMOLITION HOURS	
TESTING HOURS	
CONSTRUCTION LABOR:	38.00

ATTACHMENT M

Sub contractor DAILY REPORT

SUBCONTRACTOR NAME: HCT DATE: 6/7/18
 SEI job # 17008 DAY: Thurs.
 PROJECT: Riverside University Hospital

NAME OF EMPLOYEE	JOB CLASSIFICATION	HOURS
Rob Caverley	Fire Alarm	8
Matt Tucker	Fire Alarm	8
Adam Duhon	Fire Alarm	8

WORK PERFORMED

Removed old devices from 2nd Floor CASH
LAB and deleted from F/A Panel

ANY MATERIAL RECEIVED TODAY TO BE INCORPORATED INTO THIS PROJECT?

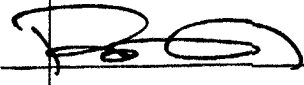
IF "YES" PLEASE LIST THE MATERIALS AND NAME OF SUPPLIER: _____

WHERE THERE ANY LOST TIME ACCIDENTS THIS DATE: YES _____ NO

DESCRIPTION	EQUIPMENT ON SITE	
	HOURS WORKED	HOURS IDLE

I certify that this report is complete and correct. All equipment and material used and work completed is in compliance with the contractor's plans and specifications.

Clean up: The subcontractor did remove waste materials from the site recurrently as is necessary to maintain the premises in a clean and orderly condition

PRINT NAME: Rob Caverley SIGNATURE: 



**ONTARIO · IRVINE · SAN DIEGO · HAYWARD
BURBANK · FRESNO · SACRAMENTO**

24 Hours Service Number: (877) 331-2084

State Contractor License Number: 905493

SERVICE WORK ORDER

ACOH7180 C-7, C-10, C-16

Service Location Information:

Customer Billing Information:

Bldg Name: KUHS
 Bldg Address: 26520 Couches Ave
 City/State/Zip: Miramar Valley, CA 92553
 Contact Name: JOE Q
 Contact Phone: (909) 805-4820
 Service Date: 6/7/18

Customer P.O.# _____ Job # 75478-1
 Company: Stoughton Eng
 Attn: _____
 Address: _____
 City/State/Zip: _____
 Telephone: ()

Job Type: T&M FPJ Testing Install Contract Warranty

Job Status: Complete Pending Sales Follow-Up

Panel Type: EST-3

Service Requested: DEVICE Removal AND WIRE pull

Description of Work Performed:

Checked panel in morning to make sure it was clear. Once system was entered we removed 7 smoke detectors and 2 relays. Once devices were removed we pulled out old wire and tied it to new conduit. Reran wire to tie in to old remaining devices. Removed devices from program and system was normal. LOR WAS NOT ON SITE to test devices.

Comments:

[3 hour minimum service charge will apply]

	Tech 1	Tech 2	Tech 3	Tech 4	Billable
NAME	<u>Rob C</u>	<u>Adam D</u>	<u>MATT</u>		
Start	<u>6</u>	<u>6</u>	<u>6</u>		
End	<u>2:30</u>	<u>2:30</u>	<u>2:00</u>		
Total Hours					
Reg.	<u>8</u>	<u>8</u>	<u>8</u>		<u>24</u>
O.T.					
D.T.					
On Call Trvl					

QTY.	Supplied Materials.
<u>150'</u>	<u>14-2 Thhn wire</u>
<u>300'</u>	<u>16-2 plenum</u>

Work has been performed as stated: YES NO If No, see comments section

The person requesting this service must be authorized by the company to request service work. Customer, The charges listed for materials and labor have been reviewed and found to be satisfactory. I agree to pay for such services rendered upon presentation of an invoice. Furthermore, it is agreed that payment for reasonable charges due to collection and / or attorney's fees in the event of my default will be made. Accounts past due will be assessed a delinquency charge.

Customer's printed Name _____
 Customer's Signature [Signature]

HCI Technician printed Name _____
 HCI Technician Signature _____

Date _____

Date _____ Service Request No. **SR# 33084**

White : Original - HCI Copy

Yellow: copy - Billing

Pink: copy - client



1354 S. Parkside Place, Ontario, CA 91761
Office 909-628-7773 | Fax 909-628-7774

WAREHOUSE MATERIAL TRANSFER FORM

Date: 6-7-18 Job Number: _____
Requested By: _____ Job Name: RWHS Cath LAB
Dept: Service Install TI Retro Security SME# _____

Transfer

- Warehouse Stock to Job
- Warehouse to Truck # _____
- Job to Job site

Return

- Job to Warehouse Stock
- Truck # _____ to Warehouse
- Job Site to Job

Quantity	Item Number	Item Description	Check In	Check Out
13	DNR	Duct Detector	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13	DST 3	Sampling Tubes	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
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			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

Pulled/Returned By(Print): _____ Date: _____
Received By(Print): Doug Kelly Date: 6/6/18

Comments: Sign over to mechanical for install.



ONTARIO · IRVINE · SAN DIEGO · HAYWARD BURBANK · FRESNO · SACRAMENTO

24 Hours Service Number: (877) 331-2084

State Contractor License Number: 905493

ACO#7180 C-7, C-10, C-16

SERVICE WORK ORDER

Service Location Information:

Customer Billing Information:

Bldg Name: RUHS
 Bldg Address: 26520 Cactus Ave
 City/State/Zip: Morgan Valley CA
 Contact Name: JOE Q
 Contact Phone: (909) 803-4820
 Service Date: 6/6/18

Job Type: T&M FPJ Testing Install Contract Warranty

Customer P.O.# _____ Job # 7-5498-1
 Company: Stronghold Eng
 Attn: _____
 Address: _____
 City/State/Zip: _____
 Telephone: ()

Job Status: Complete Pending Sales Follow-Up

Panel Type: EST-3
 Service Requested: DEVICE Relocation

Description of Work Performed:
Traced Conduit Run For Conduit and Device Relocation
Multiple Smokes and Dust Detectors will need to
Removal and Deleted out of EST Program.
New Conduit will be Run to the pull wire and
a ladder time will return tomorrow to delete
smokes and re-pull wire

Comments:

[3 hour minimum service charge will apply]

	Tech 1	Tech 2	Tech 3	Tech 4	Billable
NAME	<u>Bob L</u>	<u>Dom P</u>			
Start	<u>6</u>	<u>6</u>			
End	<u>1:30</u>	<u>1:30</u>			
Total Hours					
Reg.	<u>7</u>	<u>7</u>			<u>14</u>
O.T.					
D.T.					
On Call Trvl					

QTY.	Supplied Materials.
	<u>N/A</u>

Work has been performed as stated: YES NO If No, see comments section

The person requesting this service must be authorized by the company to request service work. Customer, The charges listed for materials and lab have been reviewed and found to be satisfactory. I agree to pay for such services rendered upon presentation of an invoice. Furthermore, it is agreed that payment for reasonable charges due to collection and / or attorney's fees in the event of my default will be made. Accounts past due will be assessed a delinquency charge.

Joe Quinonez
 Customer's printed Name
[Signature]
 Customer's Signature
 Date

Bob Coverley
 HCI Technician printed Name
[Signature]
 HCI Technician Signature
6/6/18
 Date

Service Request No. **SR#** 33111
 Pink: copy

White : Original - HCI Copy

Yellow: copy - Billing

ATTACHMENT M

Sub contractor DAILY REPORT

SUBCONTRACTOR NAME: HGI
SEI job # 17008
PROJECT: Riverside University Hospital

DATE: 6/6/18
DAY: WED

NAME OF EMPLOYEE	JOB CLASSIFICATION	HOURS
<u>Rob Convery</u>	<u>Foreman</u>	<u>7</u>
<u>Adam Decker</u>	<u>Technician</u>	<u>7</u>

WORK PERFORMED

<u>Traced out conduit and wire for Device Removal.</u>

ANY MATERIAL RECEIVED TODAY TO BE INCORPORATED INTO THIS PROJECT?

NO

IF "YES" PLEASE LIST THE MATERIALS AND NAME OF SUPPLIER:

WHERE THERE ANY LOST TIME ACCIDENTS THIS DATE: YES NO X

EQUIPMENT ON SITE

DESCRIPTION	HOURS WORKED	HOURS IDLE

I certify that this report is complete and correct. All equipment and material used and work completed is in compliance with the contractor's plans and specifications.

Clean up: The subcontractor did remove waste materials from the site recurrently as is necessary to the premises in a clean and orderly condition



STRONGHOLD ENGINEERING, INC.

2000 Market Street
Riverside, CA 92501
(951) 684-9303 - FAX (951) 684-3813

OSHPD REVIEW REQUIRED			SIGNATURE
DATE	YES	NO	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	

PROJECT NO.: 17008

CONTRACT NO.: 0843-000-7374

OSHPD NO: S161619-33

REQUEST FOR INFORMATION

RFI NO.: 157

DATE: 4/26/2018

TO: <u>Ewing Cole - Architect</u> <u>15231 Laguna Canyon Road</u> <u>Irvine, CA 92618</u>	PROJECT: <u>Riverside University Hospital System</u> <u>Bi-Plane Cardiac Catherization Lab</u> <u>26520 Cactus Ave.</u> <u>Moreno Valley, CA 92555</u>
ATTN: <u>Jennifer Smith</u>	FROM: <u>Cam Crites - Project Engineer</u>

REFERENCE: Existing Fire Smoke Detectors

LOCATION: 2nd Floor Cath Lab

DESCRIPTION:

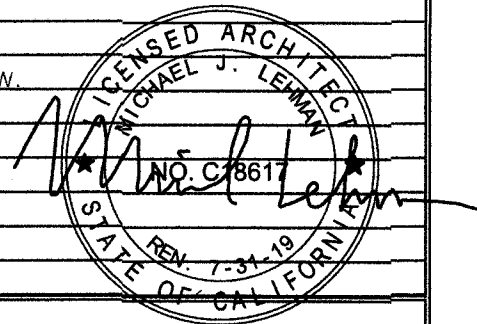
There are 4 existing smoke detectors in the 2nd floor Cath lab. Stronghold needs direction on if they are to remain or to be removed from the Fire Alarm system.

SCHEDULE IMPACT Depending on Response FINANCIAL IMPACT Depending on Response ATTACHMENTS

RESPONSE NEEDED BY: DATE: 5/2/2018

REPLY: Response from TRL Systems: Smoke detectors are not required with installed fire sprinklers.

This is a non-materially altering RFI and does not require OSHPD review.



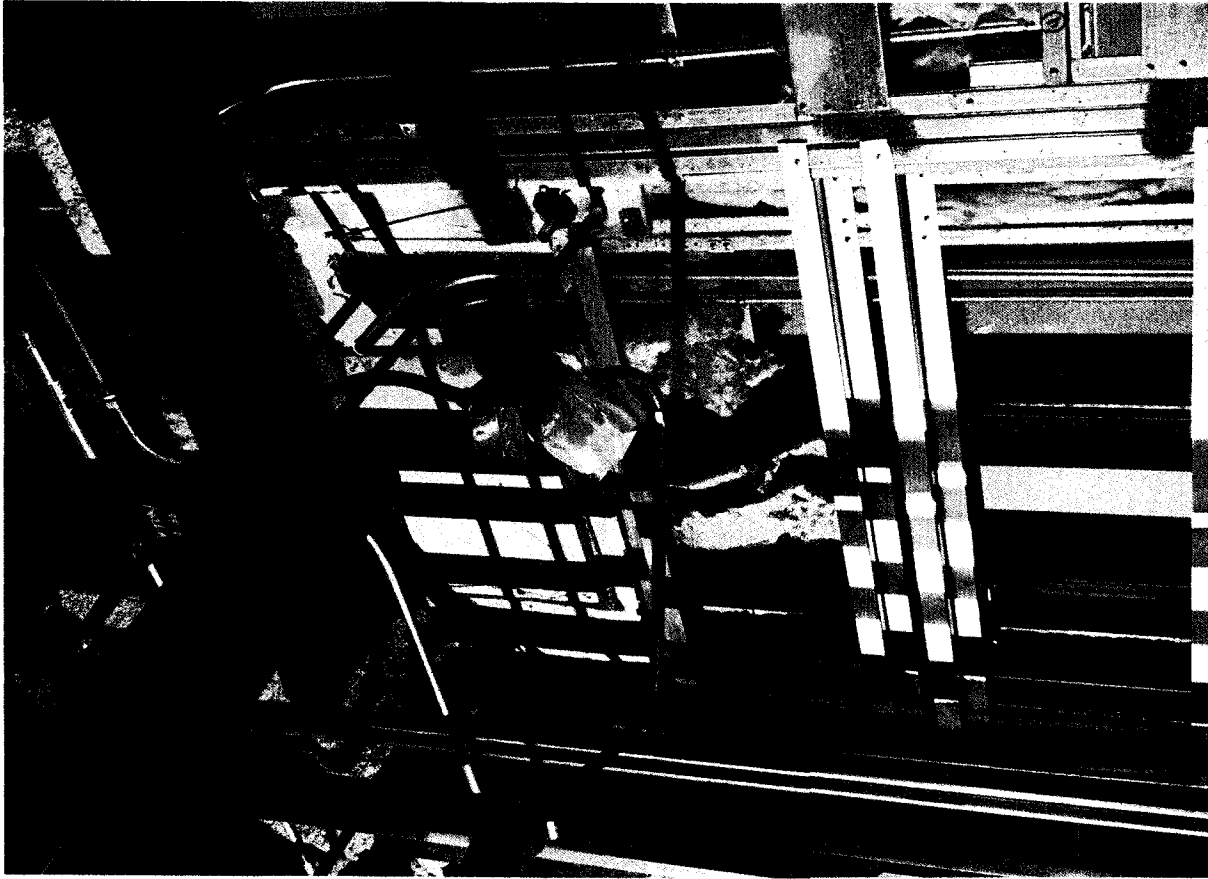
(SIGNATURE) Dwayne Kelly

(TITLE) Project Superintendent

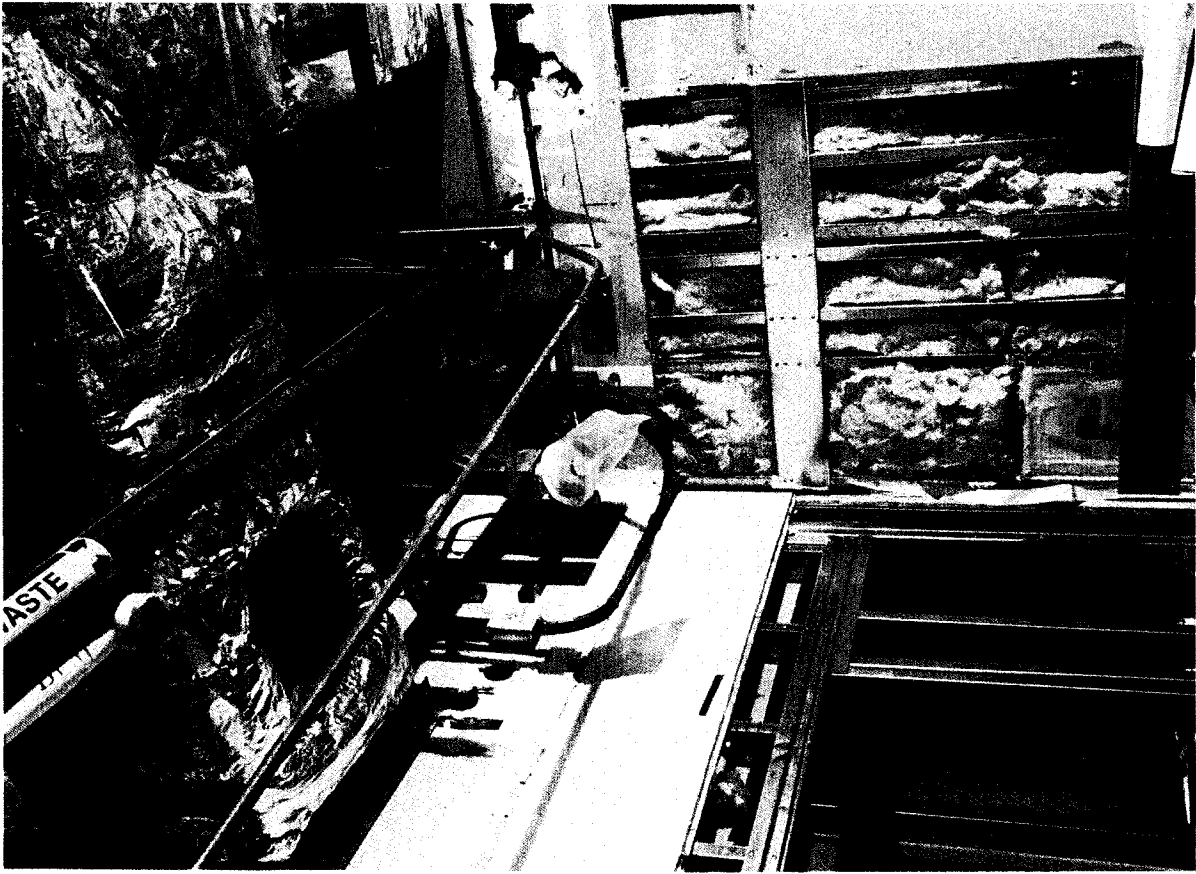
If the initiator disagrees with the response or believes that the response creates a change in scope affecting contract costs or time, the initiator shall respond in writing in accordance with the contract.

RFI # 157











STRONGHOLD ENGINEERING, INC.

2000 Market Street, Riverside, CA 92501 • Tel (951) 684-9303 • Fax (951) 684-9329 • Est. Fax (951) 684-3813

Established 1991

August, 24, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: COR 058 – Monokote per RFI 163

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added in response RFI 163 and the additional Monokoting required due to the RFI response for the RUHS 2nd Floor Cath lab Project. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. RFI 163 – Additional Monokoting

- Furnish labor to patch new unistruts to old beam with Monokote and a 12" heat transfer to the 2x2" iron that is attached to the unistruts in the Procedure Room and Control Room.

The total COR amount to complete the changes listed above is \$858.00

Sincerely,

STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

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PROPOSAL/ESTIMATE **STRONGHOLD ENGINEERING, INC.**

DATE: 24-Aug-18

CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: **0843-000-7374**

TO: **Mike Wickham - Kitchell**

COR 058

DESCRIPTION: **Monokote per RFI 163**

		PRIME CONTRACTOR'S WORK			Revisions/comments
1.	Direct Materials				
2.	Sales Tax on Materials	9.00% of line 1	9.00%	-	
3.	Direct Labor				
4.	Insurance, Taxes, and Fringe Benefits				
5.	Rental Equipment			-	
6.	Sales Tax on Rental Equipment	0.00% of line 5	0.00%	-	
7.	Equipment Ownership and Operating Expenses			-	
8.	SUBTOTAL (add lines 1-7)			\$ -	
9.	Field Overhead	0% of line 8	0.00%	-	
10.	SUBTOTAL (Add Lines 8 & 9)			\$ -	

Prime Remarks:

		SUB-CONTRACTOR'S WORK (ACCO)			Revisions/comments
11.	Direct Materials			54	
12.	Sales Tax on Materials	9.00% of line 11	9.00%	-	
13.	Direct Labor			650	
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13	0.0%	-	
15.	Rental Equipment			-	
16.	Sales Tax on Rental Equipment	0.00% of line 15	0.00%	-	
17.	Equipment Ownership and Operating Expenses			-	
18.	SUBTOTAL (add lines 11-17)			\$ 703.56	
19.	Overhead and Profit	10.0% of line 18	10.0%	70	
20.	Profit	5.0% of line 18	5.0%	35	
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 809.09	
22.	Sub Contractor Liability Insurance	1.0% of line 20			
23.		of total change			
24.	SUBTOTAL (Add Lines 20 - 22)				

Sub's Remarks:

		SUMMARY			Revisions/comments
24.	Prime Contractor's work (from line 10)			-	
25.	Sub-contractor's work (from line 23)			809	
26.	SUBTOTAL (add lines 24 & 25)			\$ 809.09	
27.	Prime Overhead on sub-contractor	0.0% of line 25	0.0%	-	
28.	Prime's Home Office Overhead	0.0% of line 24	0.0%	-	
29.	Prime's Overhead & Profit	5.0% of line 18	5.0%	40	
30.	SUBTOTAL (add lines 26-29)			\$ 849.55	
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	8	
32.	TOTAL COST (add lines 30 & 31)			\$ 858.00	

Prime Contractor name: **Stronghold Engineering, Inc.**

Sub-contractor name: **Infinity Drywall**

Signature and title of Preparer

Date 08/24/18

VP of General Construction

Stronghold Engineering, Inc.
 2000 Market St.
 Riverside, Ca. 92501

08/02/18



Attention: Camille Crites
 Project: Riverside Medical Cath Lab
 Reference: Overtime 7-13-18
 Infinity COR#: 027

Furnish labor to patch new unistruts to old beam with Monokote and a 12" heat transfer to the 2x2" iron that is attached to the unistruts in the Procedure Room and Control Room. All work was done on overtime. See EWA 3740.

Description	Quantity	Unit	Cost	Total
LABOR				
Plaster Journeyman Time & Half	3	Hours	\$104.05	\$312.16
Plaster Foreman Time & Half	3	Hours	\$112.45	\$337.35
Total Labor:				\$649.51
MATERIAL				
Monokote MK-6	2	Sack	\$16.80	\$33.60
Visqueen	1	Roll	\$15.99	\$15.99
Subtotal Material:				\$49.59
Material Tax			9.00%	\$4.46
Total Materials:				\$54.05
			Subtotal:	\$703.56
			15%Overhead & Profit:	\$105.53
			Subtotal:	\$809.09
			TOTAL:	\$809.09

The total for the above changes will be an **ADD** of: **\$809**

Respectfully,
Infinity DW Contracting, Inc.

Project Manager
 Jason Hernandez

EWA# 3740

INFINITY DW CONTRACTING, INC.

EXTRA WORK AUTHORIZATION!

JOB SITE: RUHS Cath Lab

DATE: 7.13.18

GEN. CONTRACTOR: STRONG HOLD ENGINEERING GC REF #: _____

DESCRIPTION OF WORK: DIRECTED BY DWAYNE KELLY - PATCHING NEW UNISTRUTS ATTACHED TO OLD BEAMS. ALSO DID A TWELVE INCH HEAT TRANSFER TO THE 2x2 IRON THAT ATTACHES TO THE UNISTRUTS. THIS WORK WAS PERFORMED IN THE PROCEDURE ROOM AND THE CONTROL ROOM

DATE / TRADE / HOURS WORKED:

TOTAL HOURS

1 FOREMAN 3HRS OVERTIME
1 JOURNEYMAN 3HRS OVERTIME

6 HRS/OT

MATERIAL / EQUIPMENT USED:

2 BAGS OF MK6
1 ROLL OF 2 MIT PLASTIC

WORK COMPLETED

YES

NO

ADDITIONAL EWAs RELATING TO EXTRA WORK:

[Signature] 7/18/18

FOREMAN SIGNATURE:

[Signature]

GENERAL CONTRACTOR REPRESENTATIVE SIGNATURE:

YOU ARE HEREBY AUTHORIZED TO PROCEED WITH THE FOLLOWING EXTRA WORK!



STRONGHOLD ENGINEERING, INC.

2000 Market Street, Riverside, CA 92501 • Tel (951) 684-9303 • Fax (951) 684-9329 • Est. Fax (951) 684-3813

Established 1991

August, 24, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out

Re: **COR 059 – Patching Floor Storage Room**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added for excessive patch and prep to existing damaged floor in the storage room at the RUHS 2nd Floor Cath lab Project. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. Patching Floor Storage Room

The total COR amount to complete the changes listed above is \$751.00

Sincerely,

STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

www.strongholdengineering.com

California • Arizona • Nevada • Florida • Hawaii • International

PROPOSAL/ESTIMATE **STRONGHOLD ENGINEERING, INC.**

DATE: 24-Aug-18

CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: **0843-000-7374**

TO: **Mike Wickham - Kitchell**

COR 059

DESCRIPTION: **Patching Floor Storage Room**

		PRIME CONTRACTOR'S WORK			Revisions/comments
1.	Direct Materials				
2.	Sales Tax on Materials	9.00% of line 1	9.00%	-	
3.	Direct Labor				
4.	Insurance, Taxes, and Fringe Benefits				
5.	Rental Equipment			-	
6.	Sales Tax on Rental Equipment	0.00% of line 5 INCLUDED	0.00%	-	
7.	Equipment Ownership and Operating Expenses			-	
8.	SUBTOTAL (add lines 1-7)			\$ -	
9.	Field Overhead	0% of line 8 INCLUDED	0.00%	-	
10.	SUBTOTAL (Add Lines 8 & 9)			\$ -	

Prime Remarks:

		SUB-CONTRACTOR'S WORK (ACCO)			Revisions/comments
11.	Direct Materials			250	
12.	Sales Tax on Materials	9.00% of line 11 Included	9.00%		
13.	Direct Labor			360	
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13 Included	0.0%	-	
15.	Rental Equipment				
16.	Sales Tax on Rental Equipment	0.00% of line 15 Included	0.00%	-	
17.	Equipment Ownership and Operating Expenses			-	
18.	SUBTOTAL (add lines 11-17)			\$ 610.00	
19.	Overhead and Profit	10.0% of line 18 Included	10.0%	61	
20.	Profit	5.0% of line 18	5.0%	31	
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 701.50	
22.	Sub Contractor Liability Insurance	1.0% of line 20 Included		7	
23.		of total change			
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 708.52	

Sub's Remarks:

		SUMMARY			Revisions/comments
24.	Prime Contractor's work (from line 10)			-	
25.	Sub-contractor's work (from line 23)			709	
26.	SUBTOTAL (add lines 24 & 25)			\$ 708.52	
27.	Prime Overhead on sub-contractor	0.0% of line 25	0.0%	-	
28.	Prime's Home Office Overhead	0.0% of line 24	0.0%	-	
29.	Prime's Overhead & Profit	5.0% of line 18	5.0%	35	
30.	SUBTOTAL (add lines 26-29)			\$ 743.94	
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	7	
32.	TOTAL COST (add lines 30 & 31)			\$ 751.00	

Prime Contractor name: **Stronghold Engineering, Inc.**

Sub-contractor name: **Mikes Flooring**

Signature and title of Preparer

Date 08/24/18

VP of General Construction



1351 Park Ave. Suite 102, Redlands CA 92373
 Office (909) 335-0400 Fax (909) 335-7155
 Contractor's License # 426696
 DIR # 1000017563

Change Order # 2

Date: 7/6/18
 To: Stronghold Construction
 Re: Excessive Floor Preparation in Storage
 Location: 26520 Cactus Ave
 Moreno Valley Ca.

Billing Name & Phone & Email: _____
 Billing Address: _____

We propose to furnish and install the following:

Qty.	Unit	Mfr./Type	Product/Service	Color	Unit Cost	Price
8	Bags	Uzin	888 Feather finish		\$25.00	\$200.00
1	Unit	Uzin	PE 260 Primer (Pro Rated)		\$50.00	\$50.00
4	Hours		Labor for Chipping and Floating		\$90.00	\$360.00
Total						\$610.00

Job Scope: Chip away popped or failing previous patch, Install primer and patch to bring sub-crete to a flat and suitable condition.

Exclusions: Moisture Testing & Remediation, Furniture Moving, Floor protection,
 Notes: This Change Order is not for the standard floor prep this is only for the excessive floor prep we will still need to skim the sub floor before installing

Furniture: NA
 Demo: NA
 Install method: NA
 Transitions: NA
 Attic Stock: NA
 Occupied: Area is vacant under construction, Hospital is active
 Work Hours: Weekdays
 Jobsite Contact: Dwayne

Thank you,
 Charles Dickey
 Mike's Custom Flooring, Inc.

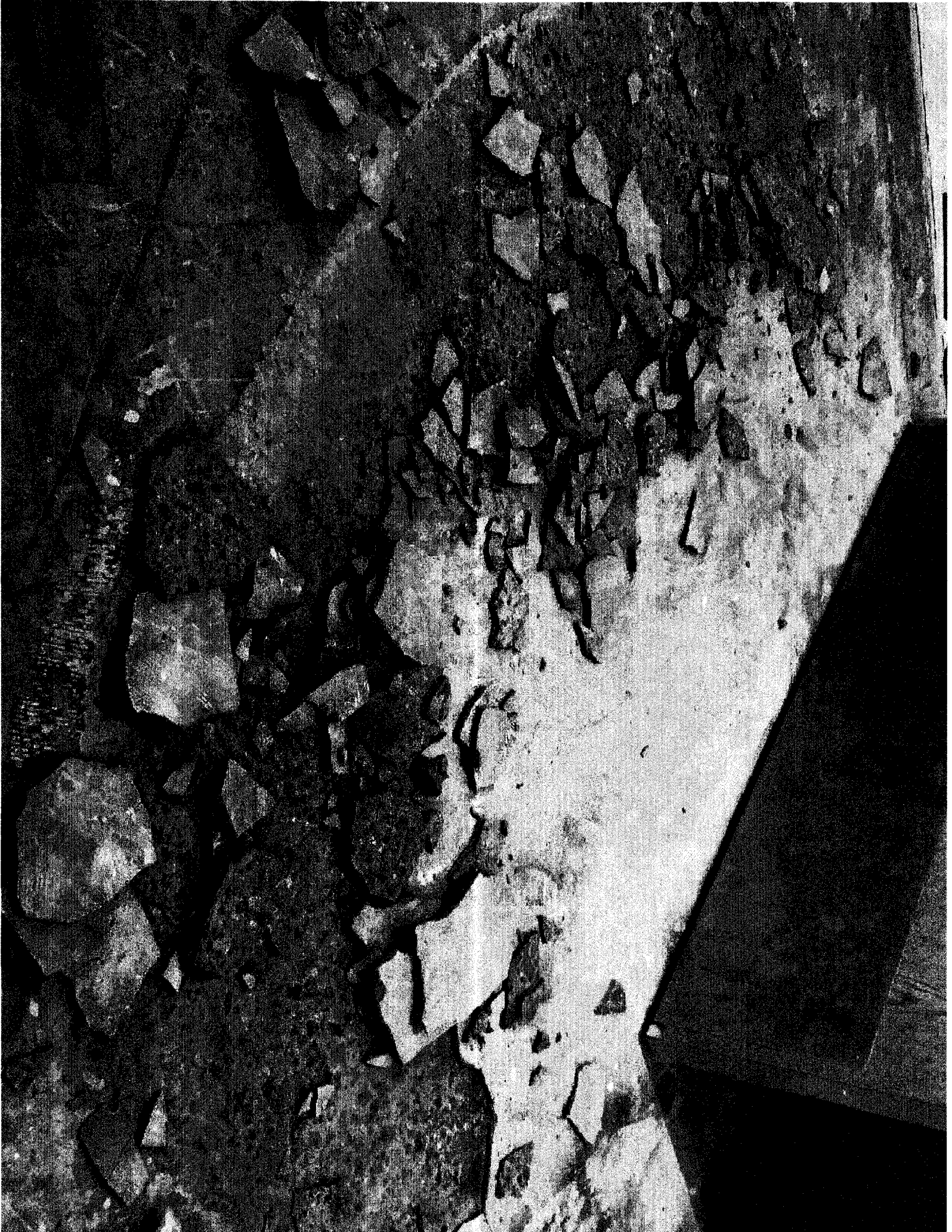
Bid Valid for 60 days from date shown above.

From: Charles Dickey <charlesdmcf@gmail.com>
Sent: Tuesday, July 3, 2018 11:39 AM
To: Camille Crites; Dwayne Kelly; Karla Torres
Subject: C.O.R. for excessive prep
Attachments: 20180703_0905461.jpg; 20180703_1107131.jpg

To whom it may concern

I would like make a Change Order Requests for excessive prep in the storage room for Cath Lab. There was a large area at the front door where the patch was popping and needed to be removed and repaired. Also the 3 metal floor panels needed to be ramped up and floated off to achieve a consistent flat profile. This was more then the usual needed floor prep and outside of expected scope. We have already provided the 1st rough coat will still need touch up when we come back. I have also attached photos for your reference. Please advise







STRONGHOLD ENGINEERING, INC.

2000 Market Street, Riverside, CA 92501 • Tel (951) 684-9303 • Fax (951) 684-9329 • Est. Fax (951) 684-3813

Established 1991

August, 28, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out

Re: **COR 060 – 1st Floor Pipe Relocation for EMT per RFI 218**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added in response to RFI 218 for the 1st floor cold pipe relocation for the EMT Conduit for the RUHS 2nd Floor Cath lab Project. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. **1st Floor Pipe Relocation for EMT per RFI 218 – 2 Days**

- Move 1" cold water line to mechanical room for electrical conduit.

The total COR amount to complete the changes listed above is \$3,599.00

Sincerely,

STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

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PROPOSAL/ESTIMATE **STRONGHOLD ENGINEERING, INC.**

DATE: 28-Aug-18

CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: **0843-000-7374**

TO: **Mike Wickham - Kitchell**

COR 060

DESCRIPTION: **1st Floor Pipe Relocation for EMT**

		PRIME CONTRACTOR'S WORK			Revisions/comments
1.	Direct Materials				
2.	Sales Tax on Materials	9.00% of line 1	9.00%	-	
3.	Direct Labor				
4.	Insurance, Taxes, and Fringe Benefits				
5.	Rental Equipment			-	
6.	Sales Tax on Rental Equipment	0.00% of line 5 INCLUDED	0.00%	-	
7.	Equipment Ownership and Operating Expenses			-	
8.	SUBTOTAL (add lines 1-7)			\$ -	
9.	Field Overhead	0% of line 8 INCLUDED	0.00%	-	
10.	SUBTOTAL (Add Lines 8 & 9)			\$ -	

Prime Remarks:

		SUB-CONTRACTOR'S WORK (ACCO)			Revisions/comments
11.	Direct Materials			942	
12.	Sales Tax on Materials	9.00% of line 11 Included	9.00%		
13.	Direct Labor			2,009	
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13 Included	0.0%	-	
15.	Rental Equipment				
16.	Sales Tax on Rental Equipment	0.00% of line 15 Included	0.00%	-	
17.	Equipment Ownership and Operating Expenses			-	
18.	SUBTOTAL (add lines 11-17)			\$ 2,951.00	
19.	Overhead and Profit	10.0% of line 18 Included	10.0%	295	
20.	Profit	5.0% of line 18	5.0%	148	
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 3,393.65	
22.	Sub Contractor Liability Insurance	1.0% of line 20 Included			
23.		of total change			
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 3,394.00	

Sub's Remarks:

		SUMMARY			Revisions/comments
24.	Prime Contractor's work (from line 10)			-	
25.	Sub-contractor's work (from line 23)			3,394	
26.	SUBTOTAL (add lines 24 & 25)			\$ 3,394.00	
27.	Prime Overhead on sub-contractor	0.0% of line 25	0.0%	-	
28.	Prime's Home Office Overhead	0.0% of line 24	0.0%	-	
29.	Prime's Overhead & Profit	5.0% of line 18	5.0%	170	
30.	SUBTOTAL (add lines 26-29)			\$ 3,563.70	
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	36	
32.	TOTAL COST (add lines 30 & 31)			\$ 3,599.00	

Prime Contractor name: **Stronghold Engineering, Inc.**

Sub-contractor name: **Continental Plumbing**

Signature and title of Preparer

Date 08/28/18

VP of General Construction



**CONTINENTAL
PLUMBING
INC.**

CHANGE ORDER REQUEST #19A

Monday, August 27, 2018

Denny McGahey
Stronghold Engineering
2000 Market Street
Riverside, CA 92501

**RE: Cath Lab-Bi-Plane Riverside University Hospital System-
CPI Job # 6585-01**

Dear Denny,

Our quoted price for: Move 1" cold water line to mechanical room for electrical conduit.

Total net change to contract: \$3,394.00

Additional time required: 2 days

The total cost shown on this page may not be used as a basis for T & M pricing not to exceed. All pricing is only reflective of current conditions on the jobsite and are subject to change based upon the conditions at the time of approval.

This change proposal is based on the usual cost elements such as labor, materials, and markup and does not include any amount for impacts such as interference, disruptions, rescheduling, change in the sequence of work, delays and/or associated acceleration. We expressly reserve the right to submit our request for any of these items should we be faced with performing work under any of these conditions.

This cost proposal supersedes all previously submitted cost proposals relating to this same work. The work of other trades, which may be required to complete this change order, is not a part of this change proposal.

This quote is valid for thirty (30) calendar days from the above date and void thereafter. All work affected by either the acceptance or rejection of the enclosed change order quotation is on hold pending notification.

Respectfully,

Joe O'Brien
Project Manager
JC

August 27, 2018



**CONTINENTAL
PLUMBING
INC.**

www.continentalplumbing.com
CHANGE ORDER RECAP

C.O. #

MATERIAL COST				<u>\$906</u>
FREIGHT 4%				<u>\$36</u>
LABOR	<u>20.5</u>	HRS X	<u>\$98.00</u>	<u>\$2,009</u>
RENTALS				<u>\$0</u>
SUBCONTRACTS				<u>\$0</u>
DIRECT JOB COSTS				<u>\$0</u>
INDIRECT JOB COSTS				<u>\$0</u>
SUBTOTAL				<u>\$2,951</u>
15% MARK UP				<u>\$443</u>
TOTAL C.O.				<u>\$3,394</u>
BOND				<u>\$0</u>
TOTAL COST ADJUSTMENT				<u>\$3,394</u>

	A	B	C	D	E	F	G	H	I
1	Item Name	Quantity		Bid Pr	U	Ext'd Pr	Lbr	U	Ext'd Lbr
2	Cost Code:								
3	TEST GAUGE & BLOCK	1.00		\$13.81	E	\$13.81	1.00	E	1.00
4	DRAIN DOWN/CUT REMOVE	1.00		\$5.00	E	\$5.00	2.00	E	2.00
5	CHLORINATION & WATER SAMPL	1.00		\$500.00	E	\$500.00	8.00	E	8.00
6	CADDY BRACKET	1.00		\$2.85	E	\$2.85	0.15	E	0.15
7	Cost Code: COPPER PIPE L								
8	1 COP L HARD	20.00		\$3.69	E	\$73.80	0.06	E	1.20
9	Cost Code: COPPER FITTINGS								
10	1 Lb SAFE FLOW LF SOLDER	1.00		\$11.69	E	\$11.69	0.00	E	0.00
11	FLUX 8 Oz	1.00		\$6.45	E	\$6.45	0.00	E	0.00
12	SANDCLOTH 25YRD'S	1.00		\$13.65	E	\$13.65	0.00	E	0.00
13	COPPER FTG.CLEAN BRSH.	2.00		\$2.41	E	\$4.83	0.00	E	0.00
14	TEFLON TAPE 1/2"x520"	1.00		\$0.79	E	\$0.79	1.50	E	1.50
15	MAPP GAS	1.00		\$24.44	E	\$24.44	0.00	E	0.00
16	1 CxC 90	5.00		\$2.12	E	\$10.58	0.52	E	2.61
17	1 CxC R.TEE	1.00		\$5.77	E	\$5.77	0.74	E	0.74
18	1 CxM ADAPTER	2.00		\$3.45	E	\$6.90	0.26	E	0.52
19	1/2 CxM ADAPTER	1.00		\$0.81	E	\$0.81	0.19	E	0.19
20	Cost Code: BRASS FITTINGS								
21	1/2 BRASS PLUG	1.00		\$4.37	E	\$4.37	0.41	E	0.41
22	Cost Code:								
23	1" FELTED "J" HNGR.	1.00		\$1.43	E	\$1.43	0.38	E	0.38
24	Cost Code: WATER VALVES								
25	1 TH 150 F PORT BLV	1.00		\$92.34	E	\$92.34	0.76	E	0.76
26	1/2 TH 150 F PORT BLV	1.00		\$55.24	E	\$55.24	0.39	E	0.39
27	Cost Code: SUPPORTS/ACCESORIES								
28	3/8 DROP IN ANCHORS	1.00		\$0.05	E	\$0.05	0.15	E	0.15
29	1 FIG.701 TUBE CLMP	1.00		\$2.17	E	\$2.17	0.15	E	0.15
30	3/8 ALL THREAD	3.00		\$0.50	E	\$1.49	0.08	E	0.23
31	3/8 FLAT WASHER	3.00		\$0.03	E	\$0.10	0.01	E	0.04
32	3/8 HEX NUT	3.00		\$0.04	E	\$0.12	0.03	E	0.09
33						\$838.66			20.50



STRONGHOLD ENGINEERING, INC.

2000 Market Street
Riverside, CA 92501
(951) 684-9303 - FAX (951) 684-3813

OSHPD REVIEW REQUIRED:			SIGNATURE
YES	NO		
DES	<input type="checkbox"/>	<input type="checkbox"/>	
PL&G	<input type="checkbox"/>	<input type="checkbox"/>	
ACC	<input type="checkbox"/>	<input type="checkbox"/>	
OTHER	<input type="checkbox"/>	<input type="checkbox"/>	
NOTES:			

PROJECT NO.: 17008

CONTRACT NO.: 0843-000-7374

OSHPD NO: S161619-33

REQUEST FOR INFORMATION

RFI NO.: 218

DATE: 8/9/2018

TO: <u>Ewing Cole</u> <u>Electrical</u>	PROJECT: <u>Riverside University Hospital System</u> <u>Bi-Plane Cardiac Catherization Lab</u> <u>26520 Cactus Ave.</u> <u>Moreno Valley, CA 92555</u>
ATTN: _____	FROM: <u>Cam Crites - Project Engineer</u>

REFERENCE: 1st Floor Radiology

LOCATION: Cath Lab

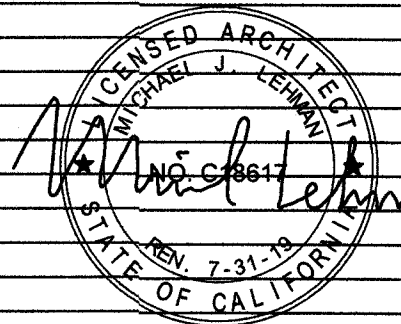
DESCRIPTION:

Stronghold is requesting to move the existing domestic cold water line in the wall on the 1st floor due to being in the path of 4" EMT for GE equipment. 4" conduit can not be relocated due to ceiling space and the path of EMT. Water line is 1" copper tubing and will need to be moved over about 12" to clear the 4" EMT.

Depending on Response FINANCIAL IMPACT Depending on Response ATTACHMENTS 5

RESPONSE NEEDED BY: DATE: ASAP

REPLY: It is understood that the 1" water line will need to be moved 12". Coordinate with facilities for the shutdown and to chlorinate the new portion of line. This is a non-materially altering RFI and does not require OSHPD review.



(SIGNATURE) Dwayne Kelly (TITLE) Project Superintendent

If the initiator disagrees with the response or believes that the response creates a change in scope affecting contract costs or time, the initiator shall respond in writing in accordance with the contract. RFI # 218



STRONGHOLD ENGINEERING, INC.

2000 Market Street, Riverside, CA 92501 • Tel (951) 684-9303 • Fax (951) 684-9329 • Est. Fax (951) 684-3813

Established 1991

September 4, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 062 – ASI 003 Lead at Wall Offset**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added in ASI 003 for additional Lead at Wall Offset between the Cath Lab Procedure Room and Storage Room per Detail 11/A4.1.2 for the RUHS 2nd Floor Cath lab Project. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. ASI 003 Lead at Offset Wall – 1 Day

- Furnish labor and material to install 2lb lead sheet above ledger full length of offset at rated partition between Cath Procedure Room, Bi-Plane Procedure Room and Storage per ASI 003 Detail 11/A4.1.2.

The total COR amount to complete the changes listed above is \$670.00

Sincerely,

STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

www.strongholdengineering.com

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PROPOSAL/ESTIMATE **STRONGHOLD ENGINEERING, INC.**

DATE: 4-Sep-18

CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: **0843-000-7374**

TO: **Mike Wickham - Kitchell**

COR 062

DESCRIPTION: **ASI 003 Lead at wall Offset**

PRIME CONTRACTOR'S WORK				Revisions/comments
1.	Direct Materials			
2.	Sales Tax on Materials	9.00% of line 1	9.00%	-
3.	Direct Labor			
4.	Insurance, Taxes, and Fringe Benefits			
5.	Rental Equipment			-
6.	Sales Tax on Rental Equipment	0.00% of line 5 INCLUDED	0.00%	-
7.	Equipment Ownership and Operating Expenses			-
8.	SUBTOTAL (add lines 1-7)			\$ -
9.	Field Overhead	0% of line 8 INCLUDED	0.00%	-
10.	SUBTOTAL (Add Lines 8 & 9)			\$ -

Prime Remarks:

SUB-CONTRACTOR'S WORK (ACCO)				Revisions/comments
11.	Direct Materials			300
12.	Sales Tax on Materials	9.00% of line 11 Included	9.00%	
13.	Direct Labor			302
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13 Included	0.0%	-
15.	Rental Equipment			
16.	Sales Tax on Rental Equipment	0.00% of line 15 Included	0.00%	-
17.	Equipment Ownership and Operating Expenses			-
18.	SUBTOTAL (add lines 11-17)			\$ 602.00
19.	Overhead and Profit	5.0% of line 18 Included	5.0%	30
20.	Profit	of line 18		-
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 632.10
22.	Sub Contractor Liability Insurance	1.0% of line 20 Included		
23.		of total change		
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 632.00

Sub's Remarks:

SUMMARY				Revisions/comments
24.	Prime Contractor's work (from line 10)			-
25.	Sub-contractor's work (from line 23)			632
26.	SUBTOTAL (add lines 24 & 25)			\$ 632.00
27.	Prime Overhead on sub-contractor	0.0% of line 25	0.0%	-
28.	Prime's Home Office Overhead	0.0% of line 24	0.0%	-
29.	Prime's Overhead & Profit	5.0% of line 18	5.0%	32
30.	SUBTOTAL (add lines 26-29)			\$ 663.60
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	7
32.	TOTAL COST (add lines 30 & 31)			\$ 670.00

Prime Contractor name: **Stronghold Engineering, Inc.**

Sub-contractor name: **Infinity Drywall**

Signature and title of Preparer

Date 09/04/18

VP of General Construction

Stronghold Engineering, Inc.
2000 Market St.
Riverside, Ca. 92501

09/04/18



Attention: Camille Crites
Project: Riverside Medical Cath Lab
Reference: ASI 003 Lead at Wall Offset
Infinity COR#: 037

Furnish labor and material to install 2lb lead sheet above ledger full length of offset at rated partition between Cath Procedure Room, Bi-Plane Procedure Room and Storage per ASI 003 Detail 11/A4.1.2.

Description	Quantity	Unit	Cost	Total
LABOR				
Lather / Carpenter	4	Hours	\$75.54	\$302.17
Total Labor:				\$302.17
MATERIAL				
2lb 4' x 8' Pure Lead Sheet	1	ea	\$264.22	\$264.22
Misc. Materials	1	Each	\$11.18	\$11.18
Subtotal Material:				\$275.40
Material Tax			9.00%	\$24.79
Total Materials:				\$300.19
			Subtotal:	\$602.36
			5%Overhead & Profit:	\$30.12
			Subtotal:	\$632.48
			TOTAL:	\$632.48

The total for the above changes will be an **ADD** of: **\$632**

Respectfully,
Infinity DW Contracting, Inc.

Project Manager
Jason Hernandez



STRONGHOLD ENGINEERING, INC.

2000 Market Street, Riverside, CA 92501 • Tel (951) 684-9303 • Fax (951) 684-9329 • Est. Fax (951) 684-3813

Established 1991

October 17, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out

Re: **COR 065 – Investigative Work done for Design Change for Control Room Wall**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added for a design change involving moving the control room window wall from the design team for the RUHS 2nd Floor Cath lab Project. The COR breakdown for Continental Plumbing is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. Investigative Work for Design Change – Control Room Wall – 1 Day

- Investigate 3” waste to be rerouted in front of new location of Control Room Window Wall.

The total COR amount to complete the changes listed above is \$783.00

Sincerely,

STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

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PROPOSAL/ESTIMATE **STRONGHOLD ENGINEERING, INC.**

DATE: 17-Oct-18

CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: **0843-000-7374**

TO: **Mike Wickham - Kitchell**

COR 065

DESCRIPTION: **Investigative Work for Design Change/Issues**

PRIME CONTRACTOR'S WORK				Revisions/comments	
1. Direct Materials					
2. Sales Tax on Materials	0.00% of line 1	0.00%	-		
3. Direct Labor					
4. Insurance, Taxes, and Fringe Benefits					
5. Rental Equipment					
6. Sales Tax on Rental Equipment	0.00% of line 5	INCLUDED	0.00%		
7. Equipment Ownership and Operating Expenses					
8. SUBTOTAL (add lines 1-7)					
9. Field Overhead	0% of line 8	INCLUDED	0.00%	-	
10. SUBTOTAL (Add Lines 8 & 9)					

Prime Remarks:

SUB-CONTRACTOR'S WORK (Continental)				Revisions/comments	
11. Direct Materials					
12. Sales Tax on Materials	0.00% of line 11	Included	0.00%		
13. Direct Labor				392	
14. Insurance, Taxes, and Fringe Benefits	0.0% of line 13	Included	0.0%		
15. Rental Equipment				250	
16. Sales Tax on Rental Equipment	0.00% of line 15	Included	0.00%		
17. Equipment Ownership and Operating Expenses					
18. SUBTOTAL (add lines 11-17)					\$ 642.00
19. Overhead	15.0% of line 18	Included	15.0%	96	
20. Profit	0.0% of line 18+19		0.0%	-	
20. SUBTOTAL (Add Lines 18 & 19)					\$ 738.30
21. Sub Contractor Bond Premium	0.0% of line 20	Included			
22. SUBTOTAL (Add Lines 20 - 22)					\$ 738.30

Sub's Remarks:

SUMMARY				Revisions/comments	
24. Prime Contractor's work (from line 10)					
25. Sub-contractor's work (from line 23)				738	
26. SUBTOTAL (add lines 24 & 25)					\$ 738.30
27. Prime Overhead on sub-contractor	5.0% of line 25		5.0%	37	
28. Prime's Home Office Overhead	5.0% of line 24		5.0%		
29. Prime's Overhead & Profit	0.0% of line 18		0.0%	-	
30. SUBTOTAL (add lines 26-29)					\$ 775.22
31. Prime Contractor's Bond Premium	1.00% of line 30		1.0%	8	
32. TOTAL COST (add lines 30 & 31)					\$ 783.00

Prime Contractor name: **Stronghold Engineering, Inc.**

Sub-contractor name: **Continental Plumbing**

Signature and title of Preparer

Date 10/17/18

Project Manager



CHANGE ORDER REQUEST #012

Monday, June 11, 2018

Denny McGahey
Stronghold Engineering
2000 Market Street
Riverside, CA 92501

**RE: Cath Lab-Bi-Plane Riverside University Hospital System-
CPI Job # 6585-01**

Dear Denny,

Our quoted price for: Investigate 3" waste re-route in front of new location of Control Room window.

Excludes: Re-route of waste line.

Total net change to contract: \$738.00

Additional time required: 1 day

The total cost shown on this page may not be used as a basis for T & M pricing not to exceed. All pricing is only reflective of current conditions on the jobsite and are subject to change based upon the conditions at the time of approval.

This change proposal is based on the usual cost elements such as labor, materials, and markup and does not include any amount for impacts such as interference, disruptions, rescheduling, change in the sequence of work, delays and/or associated acceleration. We expressly reserve the right to submit our request for any of these items should we be faced with performing work under any of these conditions.

This cost proposal supersedes all previously submitted cost proposals relating to this same work. The work of other trades, which may be required to complete this change order, is not a part of this change proposal.

This quote is valid for thirty (30) calendar days from the above date and void thereafter. All work affected by either the acceptance or rejection of the enclosed change order quotation is on hold pending notification.

Respectfully,

Joe O'Brien
Project Manager
JC

June 11, 2018



**CONTINENTAL
PLUMBING
INC.**

www.continentalplumbing.com
CHANGE ORDER RECAP

C.O. #

MATERIAL COST	<u>\$0</u>
FREIGHT 4%	<u>\$0</u>
LABOR 4 HRS X <u>\$98.00</u>	<u>\$392</u>
SPILL KIT (BARREL, SHOP VAC/PUMP)	<u>\$250</u>
SUBCONTRACTS	<u>\$0</u>
DIRECT JOB COSTS	<u>\$0</u>
INDIRECT JOB COSTS	<u>\$0</u>
SUBTOTAL	<u>\$642</u>
15% MARK UP	<u>\$96</u>
TOTAL C.O.	<u>\$738</u>
BOND	<u>\$0</u>
TOTAL COST ADJUSTMENT	<u>\$738</u>



STRONGHOLD ENGINEERING, INC.

2000 Market Street, Riverside, CA 92501 • Tel (951) 684-9303 • Fax (951) 684-9329 • Est. Fax (951) 684-3813

Established 1991

October 19, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 068 – Missed Duct Detector in Corridor at Take Off - HCI**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added for one additional duct detector that was missed when the take off was completed for this added work for the RUHS 2nd Floor Cath lab Project. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. **Missed Duct Detector in Corridor at Take Off - HCI**

- This change order is provided at the request of Stronghold Engineering for the addition of one (1) duct detector requested of HCI on 8/20/18. All work is to be performed during regular business hours. Overtime to complete work is excluded. Mounting of duct detector by others. All necessary conduit and boxes by others. Final termination to mechanical equipment by others. Revised fire alarm drawings shall be provided by others.

The total COR amount to complete the changes listed above is \$1,911.00

Sincerely,
STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

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PROPOSAL/ESTIMATE **STRONGHOLD ENGINEERING, INC.**

DATE: 19-Oct-18

CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: **0843-000-7374**

TO: **Mike Wickham - Kitchell**

COR 068

DESCRIPTION: **Missed Duct Detector at Takeoff**

		PRIME CONTRACTOR'S WORK			Revisions/comments
1.	Direct Materials				
2.	Sales Tax on Materials	9.00% of line 1	9.00%	-	
3.	Direct Labor				
4.	Insurance, Taxes, and Fringe Benefits				
5.	Rental Equipment			-	
6.	Sales Tax on Rental Equipment	0.00% of line 5	0.00%	-	
7.	Equipment Ownership and Operating Expenses			-	
8.	SUBTOTAL (add lines 1-7)			\$ -	
9.	Field Overhead	0% of line 8	0.00%	-	
10.	SUBTOTAL (Add Lines 8 & 9)			\$ -	

Prime Remarks:

		SUB-CONTRACTOR'S WORK (HCI)			Revisions/comments
11.	Direct Materials			775	
12.	Sales Tax on Materials	9.00% of line 11	Included	9.00%	70
13.	Direct Labor				624
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13	Included	0.0%	-
15.	Rental Equipment				
16.	Sales Tax on Rental Equipment	0.00% of line 15	Included	0.00%	-
17.	Equipment Ownership and Operating Expenses				59
18.	SUBTOTAL (add lines 11-17)				\$ 1,527.25
19.	Overhead and Profit	10.0% of line 18	Included	10.0%	154
20.	Profit	5.0% of line 18		5.0%	85
21.	SUBTOTAL (Add Lines 18 & 19)				\$ 1,766.59
22.	Sub Contractor Liability Insurance	2.0% of line 20	Included		35
23.			of total change		
24.	SUBTOTAL (Add Lines 20 - 22)				\$ 1,801.92

Sub's Remarks:

		SUMMARY			Revisions/comments
24.	Prime Contractor's work (from line 10)			-	
25.	Sub-contractor's work (from line 23)			1,802	
26.	SUBTOTAL (add lines 24 & 25)				\$ 1,801.92
27.	Prime Overhead on sub-contractor	0.0% of line 25		0.0%	-
28.	Prime's Home Office Overhead	0.0% of line 24		0.0%	-
29.	Prime's Overhead & Profit	5.0% of line 18		5.0%	90
30.	SUBTOTAL (add lines 26-29)				\$ 1,892.02
31.	Prime Contractor's Bond Premium	1.00% of line 30		1.0%	19
32.	TOTAL COST (add lines 30 & 31)				\$ 1,911.00

Prime Contractor name: **Stronghold Engineering, Inc.**

Sub-contractor name: **HCI**

Signature and title of Preparer

Date 10/19/18

VP of General Construction



DATE: 08.20.18
CUSTOMER C.O. #: CO-010
PROJECT #: 7-5478-1
PROJECT NAME: CATHETERIZATION LABORATORY
ESTIMATOR: ANDREW FAHRENHORST
REFERENCE: ADDED DUCT DETECTOR
DESCRIPTION: This change order is provided at the request of Stronghold Engineering for the addition of one (1) duct detector requested of HCI on 8/20/18. All work is to be performed during regular business hours. Overtime to complete work is excluded. Mounting of duct detector by others. All necessary conduit and boxes by others. Final termination to mechanical equipment by others. Revised fire alarm drawings shall be provided by others.

SUMMARY PAGE

ITEMIZED COSTS:		COST
WIRE TOTAL (FROM PAGE 2)		\$189.00
EQUIPMENT TOTAL (FROM PAGE 2)		\$478.84
RENTAL EQUIPMENT		
TOOLS & MISC SAFETY EQUIPMENT		
SHIPPING & HANDLING		\$38.37
SCHEDULE IMPACT / LOSS TIME		
LICENSE / PERMIT FEE		
BOND FEES		
PARKING / ACCOMMODATION / TRAVEL EXPENSES		
BLUE PRINT / REPRODUCTION EXPENSES	Number of Sheets: 3	\$68.50
CLEAN UP EXPENSES		
SUB-CONTRACT LABOR/SERVICES		
TOTAL		\$774.71

ITEMIZED LABOR:	LABOR RATE	LABOR HOURS	LABOR COST
MATERIAL HANDLING	\$62.80	1.00	\$62.80
CONSTRUCTION LABOR (FROM PAGE 2)	\$78.50	5.90	\$463.15
FOREMAN	\$98.13	1.00	\$98.13
TOTAL LABOR		7.90	\$624.08

TAXES:	RATE	
MATERIAL TAXES	9.000%	\$69.72
TOTAL TAXES		\$69.72

COSTS:		
SUBTOTAL COST		\$1,468.51
SMALL TOOLS & CONSUMABLES	4.00%	\$58.74
WARRANTY RESERVE	1.00%	\$14.69
TOTAL COST		\$1,541.94
OVERHEAD	10.00%	\$154.19
PROFIT	5.00%	\$84.81
SUB TOTAL		\$1,780.94
Liability Insurance	2.00%	\$35.62
TOTAL SALES PRICE		\$1,816.56



DATE: 08.20.18
CUSTOMER C.O. #: CO-010
PROJECT #: 7-5478-1
PROJECT NAME: CATHETERIZATION LABORATORY
DESCRIPTION: This change order is provided at the request of Stronghold Engineering for the addition of one (1) duct detector requested of HCI on 8/20/18. All work is to be performed during regular business hours. Overtime to complete work is excluded. Mounting of duct detector by others. All necessary conduit and boxes by others. Final termination to mechanical equipment by others. Revised fire alarm drawings shall be provided by others.

ESTIMATOR: ANDREW FAHRENHORST
REFERENCE: ADDED DUCT DETECTOR

WIRE TYPE	QTY 1000'S	HOURS / M	TOTAL HOURS	MATERIAL COST / M	EXT. WIRE COST
2C #18 AWG TP FPL (SLC DATA)	1.000	3.00	3.00	\$ 189.00	\$189.00
WIRE TOTAL:		HOURS:	3.00	COST:	\$189.00

EQUIPMENT	QTY	HOURS	TOTAL	COST	EXT. COST
DUCT SMOKE DETECTOR	1	0.58	0.58	\$ 132.46	\$132.46
ADDRESSABLE DUCT DETECTOR	1	0.58	0.58	\$ 150.36	\$150.36
REMOTE ANNUNCIATOR	1	0.58	0.58	\$ 23.78	\$23.78
SUPERVISED CONTROL RELAY	1	0.58	0.58	\$ 150.26	\$150.26
CONTROL RELAY	1	0.58	0.58	\$ 21.98	\$21.98
EQUIPMENT TOTAL:		HOURS:	2.90	COST:	\$478.84

DEVICE LABOR HOURS	2.90
WIRE LABOR HOURS	3.00
ADDITIONAL CONSTRUCTION LABOR HOURS	
DEMOLITION HOURS	
TESTING HOURS	
CONSTRUCTION LABOR:	5.90



STRONGHOLD ENGINEERING, INC.

2000 Market Street, Riverside, CA 92501 • Tel (951) 684-9303 • Fax (951) 684-9329 • Est. Fax (951) 684-3813

Established 1991

October 19, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 069 – Relocations for HCI outside of Scope**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added for relocations for HCI that was added to the original scope of the project for the RUHS 2nd Floor Cath lab Project. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. **Relocation of one existing strobe that was behind new Millwork in the Cath Lab – 1 Day**
 - This change order is provided at the request of Stronghold Engineering for the relocation of one (1) existing strobe that is outside of base scope of work. All work has been completed and time verified per the signed T&M ticket.
2. **Relocation of a Fireman Phone Jack that was outside original scope in the Cath Lab – 1 Day**
 - This change order is provided at the request of Stronghold Engineering for the relocation of one (1) fireman's phone jack that is outside of base scope of work. All work has been completed and time verified per the signed T&M ticket.

The total COR amount to complete the changes listed above is \$1,569.00

Sincerely,
STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

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CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: **0843-000-7374**

TO: **Mike Wickham - Kitchell**

COR 069

DESCRIPTION: **HCI Relocations - Fireman Phone Jack and Strobe outside original scope**

		PRIME CONTRACTOR'S WORK			Revisions/comments
1.	Direct Materials				
2.	Sales Tax on Materials	9.00% of line 1	9.00%	-	
3.	Direct Labor				
4.	Insurance, Taxes, and Fringe Benefits				
5.	Rental Equipment			-	
6.	Sales Tax on Rental Equipment	0.00% of line 5	0.00%	-	
7.	Equipment Ownership and Operating Expenses			-	
8.	SUBTOTAL (add lines 1-7)			\$ -	
9.	Field Overhead	0% of line 8	0.00%	-	
10.	SUBTOTAL (Add Lines 8 & 9)			\$ -	

Prime Remarks:

		SUB-CONTRACTOR'S WORK (HCI)			Revisions/comments
11.	Direct Materials				Phone Jack
12.	Sales Tax on Materials	9.00% of line 11	9.00%	Included	
13.	Direct Labor			628	
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13	0.0%	Included	
15.	Rental Equipment				
16.	Sales Tax on Rental Equipment	0.00% of line 15	0.00%	Included	
17.	Equipment Ownership and Operating Expenses				
18.	SUBTOTAL (add lines 11-17)			\$ 628.00	
19.	Overhead and Profit	10.0% of line 18	10.0%	Included	
20.	Profit	5.0% of line 18	5.0%	35	
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 725.35	
22.	Sub Contractor Liability Insurance	2.0% of line 20		Included	
23.				15	
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 739.86	

Sub's Remarks:

		SUB-CONTRACTOR'S WORK (HCI)			Revisions/comments
11.	Direct Materials				Strobe Behind Millwork
12.	Sales Tax on Materials	9.00% of line 11	9.00%	Included	
13.	Direct Labor			628	
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13	0.0%	Included	
15.	Rental Equipment				
16.	Sales Tax on Rental Equipment	0.00% of line 15	0.00%	Included	
17.	Equipment Ownership and Operating Expenses				
18.	SUBTOTAL (add lines 11-17)			\$ 628.00	
19.	Overhead and Profit	10.0% of line 18	10.0%	Included	
20.	Profit	5.0% of line 18	5.0%	35	
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 725.35	
22.	Sub Contractor Liability Insurance	2.0% of line 20		Included	
23.				15	
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 739.86	

		SUMMARY			Revisions/comments
24.	Prime Contractor's work (from line 10)			-	
25.	Sub-contractor's work (from line 23)			1,480	
26.	SUBTOTAL (add lines 24 & 25)			\$ 1,479.71	
27.	Prime Overhead on sub-contractor	0.0% of line 25	0.0%	-	
28.	Prime's Home Office Overhead	0.0% of line 24	0.0%	-	
29.	Prime's Overhead & Profit	5.0% of line 18	5.0%	74	
30.	SUBTOTAL (add lines 26-29)			\$ 1,553.70	
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	16	
32.	TOTAL COST (add lines 30 & 31)			\$ 1,569.00	

Prime Contractor name: **Stronghold Engineering, Inc.**

Sub-contractor name: **HCI**

Signature and title of Preparer

Date 10/19/18

VP of General Construction



DATE: 05.14.18
CUSTOMER C.O. #: CO-007
PROJECT #: 7-5478-1
PROJECT NAME: CATHETERIZATION LABORATORY
DESCRIPTION: This change order is provided at the request of Stronghold Engineering for the relocation of one (1) existing strobe that is outside of base scope of work. All work has been completed and time verified per the signed T&M ticket.

ESTIMATOR: ANDREW FAHRENHORST
REFERENCE: RELOCATE EXISTING STROBE

SUMMARY PAGE

ITEMIZED COSTS:		COST
WIRE TOTAL (FROM PAGE 2)		
EQUIPMENT TOTAL (FROM PAGE 2)		
RENTAL EQUIPMENT		
TOOLS & MISC SAFETY EQUIPMENT		
SHIPPING & HANDLING		
SCHEDULE IMPACT / LOSS TIME		
LICENSE / PERMIT FEE		
BOND FEES		
PARKING / ACCOMMODATION / TRAVEL EXPENSES		
BLUE PRINT / REPRODUCTION EXPENSES (\$3.50 Per Page x 5 Copies)	Number of Sheets:	
CLEAN UP EXPENSES		
SUB-CONTRACT LABOR/SERVICES		
TOTAL		

ITEMIZED LABOR:	LABOR RATE	LABOR HOURS	LABOR COST
MATERIAL HANDLING			
CONSTRUCTION LABOR (FROM PAGE 2)	\$78.50	8.00	\$628.00
FOREMAN			
SUPERINTENDENT			
PROGRAMMING			
ENGINEERING / CAD			
PROJECT MANAGEMENT			
TOTAL LABOR		8.00	\$628.00

TAXES:	RATE	
MATERIAL TAXES	9.000%	
TOTAL TAXES		

COSTS:		
SUBTOTAL COST		\$628.00
SMALL TOOLS & CONSUMABLES		
WARRANTY RESERVE		
TOTAL COST		\$628.00
OVERHEAD	10.00%	\$62.80
PROFIT	5.00%	\$34.54
SUB TOTAL		\$725.34
Liability Insurance	2.00%	\$14.51
TOTAL SALES PRICE		\$739.85



DATE: 05.14.18	ESTIMATOR: ANDREW FAHRENHORST
CUSTOMER C.O. #: CO-007	REFERENCE: RELOCATE EXISTING STROBE
PROJECT #: 7-5478-1	
PROJECT NAME: CATHETERIZATION LABORATORY	
DESCRIPTION: This change order is provided at the request of Stronghold Engineering for the relocation of one (1) existing strobe that is outside of base scope of work. All work has been completed and time verified per the signed T&M ticket.	

LABOR & MATERIAL DETAIL SHEET

WIRE TYPE	QTY 1000'S	HOURS / M	TOTAL HOURS	MATERIAL COST / M	EXT. WIRE COST
WIRE TOTAL:		HOURS:		COST:	

EQUIPMENT	QTY	HOURS	TOTAL	COST	EXT. COST
EQUIPMENT TOTAL:		HOURS:		COST:	

DEVICE LABOR HOURS	
WIRE LABOR HOURS	
ADDITIONAL CONSTRUCTION LABOR HOURS	
DEMOLITION HOURS	
TESTING HOURS	
CONSTRUCTION LABOR:	



DATE: 04.23.18
CUSTOMER C.O. #: CO-006
PROJECT #: 7-5478-1
PROJECT NAME: CATHETERIZATION LABORATORY
DESCRIPTION: This change order is provided at the request of Stronghold Engineering for the relocation of one (1) fireman's phone jack that is outside of base scope of work. All work has been completed and time verified per the signed T&M ticket.

ESTIMATOR: ANDREW FAHRENHORST
REFERENCE: RELOCATE FIREMAN'S PHONE JACK

SUMMARY PAGE

ITEMIZED COSTS:		COST
WIRE TOTAL (FROM PAGE 2)		
EQUIPMENT TOTAL (FROM PAGE 2)		
RENTAL EQUIPMENT		
TOOLS & MISC SAFETY EQUIPMENT		
SHIPPING & HANDLING		
SCHEDULE IMPACT / LOSS TIME		
LICENSE / PERMIT FEE		
BOND FEES		
PARKING / ACCOMMODATION / TRAVEL EXPENSES		
BLUE PRINT / REPRODUCTION EXPENSES (\$3.50 Per Page x 5 Copies)	Number of Sheets:	
CLEAN UP EXPENSES		
SUB-CONTRACT LABOR/SERVICES		
TOTAL		

ITEMIZED LABOR:	LABOR RATE	LABOR HOURS	LABOR COST
MATERIAL HANDLING			
CONSTRUCTION LABOR (FROM PAGE 2)	\$78.50	8.00	\$628.00
FOREMAN			
SUPERINTENDENT			
PROGRAMMING			
ENGINEERING / CAD			
PROJECT MANAGEMENT			
TOTAL LABOR		8.00	\$628.00

TAXES:	RATE	
MATERIAL TAXES	9.000%	
TOTAL TAXES		

COSTS:		
SUBTOTAL COST		\$628.00
SMALL TOOLS & CONSUMABLES		
WARRANTY RESERVE		
TOTAL COST		\$628.00
OVERHEAD	10.00%	\$62.80
PROFIT	5.00%	\$34.54
SUB TOTAL		\$725.34
Liability Insurance	2.00%	\$14.51
TOTAL SALES PRICE		\$739.85



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Telephone: (877) 331-2084 Fax: (909) 628-7774
 Contractor Lic: 905493

DATE: 04.23.18
CUSTOMER C.O. #: CO-006
PROJECT #: 7-5478-1
PROJECT NAME: CATHETERIZATION LABORATORY
DESCRIPTION: This change order is provided at the request of Stronghold Engineering for the relocation of one (1) fireman's phone jack that is outside of base scope of work. All work has been completed and time verified per the signed T&M ticket.

ESTIMATOR: ANDREW FAHRENHORST
REFERENCE: RELOCATE FIREMAN'S PHONE JACK

WIRE TYPE	QTY 1000'S	HOURS / M	TOTAL HOURS	MATERIAL COST / M	EXT. WIRE COST
WIRE TOTAL:		HOURS:		COST:	

EQUIPMENT	QTY	HOURS	TOTAL	COST	EXT. COST
T&M LABOR	1	8.00	8.00	\$ -	
EQUIPMENT TOTAL:		HOURS:	8.00	COST:	

DEVICE LABOR HOURS	8.00
WIRE LABOR HOURS	
ADDITIONAL CONSTRUCTION LABOR HOURS	
DEMOLITION HOURS	
TESTING HOURS	
CONSTRUCTION LABOR:	8.00



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24 Hours Service Number: (877) 331-2084

State Contractor License Number: 905493

SERVICE WORK ORDER

ACO# 7180 C-7, C-10, C-16

Service Location Information:

Bldg Name: Riverside University Health
 Bldg Address: 26520 Cactus Ave
 City/State/Zip: Mirano Valley CA 92550
 Contact Name: Joe Q
 Contact Phone: (909) 803-7820
 Service Date: 4/12/18
 Job Type: T&M FPJ Testing Install Contract Warranty

Customer Billing Information:

Customer PO#: _____ Job#: _____
 Contact Name: Joe Stronghold ENGINEERING
 Attn: _____
 Address: _____
 City/State/Zip: _____
 Telephone: _____
 Job Status: Complete Pending Sales Follow-Up

HCI WO# 7-5478-1

Panel Type: EST 3

Service Requested: RE Pull wire for fire phone

Description of Work Performed:

Electricians re Routed conduit for fire phone. Tested fire phone operation before disconnect, unspliced J box in hallway pulled wire back into new cahn lab room. Disconnected conduit and re ran conduit. Pulled wire back to J box in hallway and re spliced wire. Tested fire phone operation. Fire phone is operational. First 32 fire phones were not working. must be replaced.

Comments:

[\$65 travel fee and 3 hour minimum service charge will apply]

	Tech 1	Tech 2	Tech 3	Tech 4	Billable
NAME	<u>Robert Thomas</u>				
Start	<u>6^{am}</u>	<u>6^{am}</u>			
End	<u>10^{am}</u>	<u>10^{am}</u>			
Total Hours					
Reg.	<u>4</u>	<u>4</u>			<u>8</u>
O.T.					
D.T.					
On Call Trvl					

QTY.	Supplied Materials
	<u>N/A</u>

Work has been performed as stated: YES NO If No, see comments section

The person requesting this service must be authorized by the company to request service work. Customer. The charges listed for materials and labor have been reviewed and found to be satisfactory. I agree to pay for such services rendered upon presentation of an invoice. Furthermore, it is agreed that payment for reasonable charges due to collection and/or attorney's fees in the event of my default be made. Accounts past due will be assessed a delinquency charge.

Joe Quinones
 Customer's Printed Name
[Signature]
 Customer's Signature
 Date _____

Robert Coverley
 HCI Technician printed Name
[Signature]
 HCI Technician Signature
4/12/18
 Date

White: Original - HCI Copy

Yellow: Copy - Billing

Pink: Copy - Client



STRONGHOLD ENGINEERING, INC.

2000 Market Street, Riverside, CA 92501 • Tel (951) 684-9303 • Fax (951) 684-9329 • Est. Fax (951) 684-3813

Established 1991

December 26, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: COR 070R1 – ASI 004 Additional Fire Sprinkler Head at GE Unit

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added in ASI 004 for the additional fire sprinkler head at GE Unit for the RUHS 2nd Floor Cath lab Project. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. ASI 004 Additional Fire Sprinkler Head at GE Unit – 7 Days

- **Assured Fire** - Add one additional drop/head through ceiling in Cath lab project, relocate one head and change out one 1" line to an 1-1/4" line. The price includes labor and materials. 2 Days
- **Infinity Drywall** - Furnish labor and material to demo and patch a 2' x 12' area of ceiling that was previously completed at the Cath Lab. Cost includes demo and rehang of lead drywall, tape, sand and finish. Work will be done during regular hours, areas will be masked and protected by Stronghold. Work will be done per ASI #4, sprinkler relocation. 4 Days.
- **Stronghold Engineering** – Set up Containment in Cath Lab for additional Fire Sprinkler head. Painted Ceiling due to patching of drywall and removed containment/final clean up. 1 Day

The total COR amount to complete the changes listed above is \$11,114.00

Sincerely,

STRONGHOLD ENGINEERING, INC

Denny McGahey
VP of General Construction

BUILDING CONSTRUCTION EXCELLENCE

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CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: **0843-000-7374**

TO: **Mike Wickham - Kitchell**

COR 070R1

DESCRIPTION: **Assured Fire, SEI, Infinity - ASI 004 Added Sprinkler Head at GE Unit**

PRIME CONTRACTOR'S WORK				Revisions/comments
1. Direct Materials				12 hrs
2. Sales Tax on Materials	9.00% of line 1	9.00%	-	
3. Direct Labor			756	
4. Insurance, Taxes, and Fringe Benefits				
5. Rental Equipment			-	
6. Sales Tax on Rental Equipment	0.00% of line 5	0.00%	-	
7. Equipment Ownership and Operating Expenses			-	
8. SUBTOTAL (add lines 1-7)			\$ 756.00	
9. Field Overhead	0% of line 8	0.00%	-	
10. SUBTOTAL (Add Lines 8 & 9)			\$ 756.00	

Prime Remarks:

SUB-CONTRACTOR'S WORK (Assured Fire)				Revisions/comments
11. Direct Materials			615	
12. Sales Tax on Materials	9.00% of line 11	Included	9.00%	
13. Direct Labor			3,750	
14. Insurance, Taxes, and Fringe Benefits	0.0% of line 13	Included	0.0%	
15. Rental Equipment			-	
16. Sales Tax on Rental Equipment	0.00% of line 15	Included	0.00%	
17. Equipment Ownership and Operating Expenses			-	
18. SUBTOTAL (add lines 11-17)			\$ 4,365.00	
19. Overhead and Profit	10.0% of line 18	Included	10.0%	
20. Profit	5.0% of line 18		5.0%	
21. SUBTOTAL (Add Lines 18 & 19)			\$ 5,019.75	
22. Sub Contractor Liability Insurance				
23.				
24. SUBTOTAL (Add Lines 20 - 22)			\$ 5,019.75	

Sub's Remarks:

SUB-CONTRACTOR'S WORK (Infinity/RPS)				Revisions/comments
11. Direct Materials			465	
12. Sales Tax on Materials	9.00% of line 11	Included	9.00%	
13. Direct Labor			3,626	
14. Insurance, Taxes, and Fringe Benefits	0.0% of line 13	Included	0.0%	
15. Rental Equipment			-	
16. Sales Tax on Rental Equipment	0.00% of line 15	Included	0.00%	
17. Equipment Ownership and Operating Expenses			-	
18. SUBTOTAL (add lines 11-17)			\$ 4,090.67	
19. Overhead and Profit	10.0% of line 18	Included	10.0%	
20. Profit	5.0% of line 18		5.0%	
21. SUBTOTAL (Add Lines 18 & 19)			\$ 4,704.27	
22. Sub Contractor Liability Insurance				
23.				
24. SUBTOTAL (Add Lines 20 - 22)			\$ 4,704.27	

Sub's Remarks:

SUMMARY				Revisions/comments
24. Prime Contractor's work (from line 10)			756	
25. Sub-contractor's work (from line 23)			9,724	
26. SUBTOTAL (add lines 24 & 25)			\$ 10,480.02	
27. Prime Overhead on sub-contractor	5.0% of line 25		5.0%	
28. Prime's Home Office Overhead	0.0% of line 24		0.0%	
29. Prime's Overhead & Profit	5.0% of line 18		5.0%	
30. SUBTOTAL (add lines 26-29)			\$ 11,004.02	
31. Prime Contractor's Bond Premium	1.000% of line 30		1.0%	
32. TOTAL COST (add lines 30 & 31)			\$ 11,114.00	

Prime Contractor name: Stronghold Engineering, Inc.

Sub-contractor name: Assured Fire, SEI, Infinity



STRONGHOLD ENGINEERING, INC.

Corporate Office:
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 Fax (951) 684-9329 • Estimating Fax (951) 684-3813
 Established 1991

JOB NAME/NUMBER:	
FM08430007374	17008
JOB LOCATION:	
RUH	
DATE:	12/7/2018
START TIME:	FINISH TIME:
5:30	1:30

TO:

Mike Wickham
 Kitchell

DESCRIPTION OF WORK: Remove Containment Cath Lab for additional Fire sprinkler head
 Paint Ceiling due to patching of drywall
 Remove containment and final clean up

EMPLOYEES HOURS			
EMPLOYEE NAME:	CLASSIFICATION:	REG. HOURS	total cost
Jose Agurria	Carpenter	6	
Gustavo Lopez	Laborer	6	
			\$0.00

EQUIPMENT USED:	
DESCRIPTION	HOURS

MATERIALS USED:					
QTY:	DESCRIPTION:	COST:	QTY:	DESCRIPTION:	COST:

Client Name

Superintendent Name

 Client Signature

 Superintendent Signature



ASSURED

FIRE SYSTEMS, INC

Proposed change order #4 for RUHS Bi Plane Cath. Lab

Project number: 17008

Date :12/05/18

1. Add one additional drop/head through ceiling in Cath lab project, relocate one head and change out one 1" line to an 1-1/4" line.

4 hrs. job site survey & meetings:	\$750.00
16 hrs. labor @ 187.50hr.:	\$3,000.00
Materials:	\$615.00
Overhead & profit:	\$654.75
Total for all items:	\$5,019.75

Stronghold Engineering, Inc.
 2000 Market St.
 Riverside, Ca. 92501

11/30/18



Attention: Camille Crites
 Project: Riverside Medical Cath Lab
 Reference: Ceiling Lead Board Patch
 Infinity COR#: 042

Furnish labor and material to demo and patch a 2' x 12' area of ceiling that was previously completed at the Cath Lab. Cost includes demo and rehang of lead drywall, tape, sand and finish. Work will be done during regular hours, areas will be masked and protected by Stronghold. Work will be done per ASI #4, sprinkler relocation.

Description	Quantity	Unit	Cost	Total
LABOR				
Lather / Carpenter	32	Hours	\$75.54	\$2,417.38
Taper Journeyman	16	Hours	\$75.54	\$1,208.69
Total Labor:				\$3,626.07
 MATERIAL				
Taping Compound	2	Box	\$9.45	\$18.90
2lb Lead Backed Drywall 48" x 48"	1	ea	\$143.12	\$143.12
2lb, 4' x 8' Pure Sheet Lead	1	ea	\$264.22	\$264.22
Subtotal Material:				\$426.24
Material Tax			9.00%	\$38.36
Total Materials:				\$464.60
			Subtotal:	\$4,090.67
			15%Overhead & Profit:	\$613.60
			TOTAL:	\$4,704.27

The total for the above changes will be an **ADD** of: **\$4,704**

Respectfully,
Infinity DW Contracting, Inc.

Project Manager
 Jason Hernandez



STRONGHOLD ENGINEERING, INC.

2000 Market Street, Riverside, CA 92501 • Tel (951) 684-9303 • Fax (951) 684-9329 • Est. Fax (951) 684-3813

Established 1991

November 13, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: COR 071 – Added Door Hardware to Make System Operational

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added in for additional hardware needed to make the doors operational in the Cath Lab for the RUHS 2nd Floor Cath lab Project. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. Additional Hardware for Doors in Cath Lab to Make System Operational

The total COR amount to complete the changes listed above is \$751.00

Sincerely,

STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

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PROPOSAL/ESTIMATE **STRONGHOLD ENGINEERING, INC.**

DATE: 13-Nov-18

CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: **0843-000-7374**

TO: **Mike Wickham - Kitchell**

COR 071

DESCRIPTION: **Added Hardware to Doors in Cath Lab to Make System Work**

		PRIME CONTRACTOR'S WORK			Revisions/comments
1.	Direct Materials				
2.	Sales Tax on Materials	9.00% of line 1	9.00%	-	
3.	Direct Labor				
4.	Insurance, Taxes, and Fringe Benefits				
5.	Rental Equipment			-	
6.	Sales Tax on Rental Equipment	0.00% of line 5 INCLUDED	0.00%	-	
7.	Equipment Ownership and Operating Expenses			-	
8.	SUBTOTAL (add lines 1-7)			\$ -	
9.	Field Overhead	0% of line 8 INCLUDED	0.00%	-	
10.	SUBTOTAL (Add Lines 8 & 9)			\$ -	

Prime Remarks:

		SUB-CONTRACTOR'S WORK (Assured Fire)			Revisions/comments
11.	Direct Materials			501	Phone Jack
12.	Sales Tax on Materials	9.00% of line 11 Included	9.00%		
13.	Direct Labor			115	
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13 Included	0.0%	-	
15.	Rental Equipment				
16.	Sales Tax on Rental Equipment	0.00% of line 15 Included	0.00%	-	
17.	Equipment Ownership and Operating Expenses				
18.	SUBTOTAL (add lines 11-17)			\$ 616.00	
19.	Overhead and Profit	10.0% of line 18 Included	10.0%	62	
20.	Profit	5.0% of line 18	5.0%	31	
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 708.40	
22.	Sub Contractor Liability Insurance	of line 20 Included			
23.		of total change			
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 708.40	

Sub's Remarks:

		SUMMARY			Revisions/comments
24.	Prime Contractor's work (from line 10)			-	
25.	Sub-contractor's work (from line 23)			708	
26.	SUBTOTAL (add lines 24 & 25)			\$ 708.40	
27.	Prime Overhead on sub-contractor	0.0% of line 25	0.0%	-	
28.	Prime's Home Office Overhead	0.0% of line 24	0.0%	-	
29.	Prime's Overhead & Profit	5.0% of line 18	5.0%	35	
30.	SUBTOTAL (add lines 26-29)			\$ 743.82	
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	7	
32.	TOTAL COST (add lines 30 & 31)			\$ 751.00	

Prime Contractor name: **Stronghold Engineering, Inc.**
 Sub-contractor name: **CFO**

Signature and title of Preparer

Date 11/13/18

VP of General Construction



Distributors of Quality Builder's Hardware,
Wood Doors, Hollow Metal Doors & Frames,
& Top Notch Installation of Doors & Hardware

CFO Door Hardware & Security
Contractor License # 859157

CHANGE ORDER PROPOSAL #17-012HDFI-4

STRONGHOLD
2000 MARKET ST.

October 26, 2018

RIVERSIDE, CA 92501

Fax (951) 367-4615

Attn: DWAYNE KELLY

Job Name: RIVERSIDE UNIV. HEALTH SYS. - CATHETERIZATION LAB

Changes Per: FIELD REQUESTS BY STRONGHOLD

PER THE ABOVE REFERENCED CHANGE REQUEST, WE ARE QUOTING THE FOLLOWING
ADJUSTMENT TO YOUR CONTRACT :

FINISH HARDWARE :	\$501.00
HOLLOW METAL :	\$0.00
WOOD DOORS :	\$0.00
PREFINISHED :	\$0.00
INSTALLATION :	\$75.00
OTHER :	\$40.00
TOTAL CHANGE ORDER :	\$616.00

PRICES INCLUDE TAX AND DELIVERY AND ARE ONLY VALID FOR 30 DAYS.

SPECIAL NOTES :

AS DIRECTED BY STRONGHOLD CONSTRUCTION, ABOVE CHANGE ORDER COSTS ARE TO FURNISH AND
INSTALL (2) LCN 4410ME-18G DROP PLATES AT OPENINGS #F2033.1. ORIGINAL SPECIFIED DROP PLATES
WILL NOT WORK WITH THE CONFIGURATION AS LISTED, AS THE COORDINATOR IS IN THE WAY OF
INSTALLATION FOR THE ARM.

ADD (1) POWER SUPPLY VON DUPRIN PS902 900-FA FOR OPENING #F2033.1. POWER SUPPLY TO BE USED
IN CONJUNCTION WITH 4414ME FIRE/LIFE CLOSER AT 24V.

MATERIALS TO BE SHIPPED PER DWAYNE KELLY ON 10/26/2018

WE HAVE PROCEEDED WITH THE ORDERING OR FABRICATING OF MATERIALS.
A CHANGE ORDER OR PURCHASE ORDER IS REQUIRED PRIOR TO SHIPPING.

WE HAVE NOT PROCEEDED WITH THE ORDERING OR FABRICATING OF MATERIALS.
PLEASE ISSUE YOUR WRITTEN AUTHORIZATION OR SIGN AND RETURN THIS FORM.

YOU ARE AUTHORIZED TO PROCEED.
CHANGE ORDER OR PURCHASE ORDER IS FORTHCOMING.

DATE

IF YOU HAVE ANY QUESTIONS REGARDING THIS CHANGE, PLEASE CONTACT: ERIC CASTILLO

Control#: 5375

Address: 1274 N. Grove Street, Anaheim, CA 92806; Tel. # 714 632-8116; Fax # 714 632-8759

Heading 01 (HwSet 01)

KeyGroup

1 SGL DOOR(S)F2033.1 TO

Degree
Hand Act InAct

3'0" x 7'0" x 1-3/4" x HMD x HMF x NON-RTD

Totals	Each Assembly to have:		Extended Totals
(2)	2 EA DROP PLATE	4410ME-18G	LCN \$284.46
(1)	1 EA POWER SUPPLY	PS902 X 900-FA	VON \$216.96
			<u>Heading Total: \$501.42</u>

Grand Total: \$501.42

End of Schedule

Project: RIVERSIDE UNIV. HEALTH SYS. - CATHETERIZATION	Control # : 5375	Print Date : 10/26/2018	Project # : 17-012HDFI
Supplier: CFO DOOR HARDWARE & SECURITY	Revision # :	Rev Date :	Hdwe Sched Page : 1



STRONGHOLD ENGINEERING, INC.

2000 Market Street, Riverside, CA 92501 • Tel (951) 684-9303 • Fax (951) 684-9329 • Est. Fax (951) 684-3813

Established 1991

December 12, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: COR 072 – Fillers Added for Millwork Gap per RFI 245

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added in for additional fillers needed to fill a gap in the millwork per RFI 245 for the RUHS 2nd Floor Cath lab Project. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. Fillers Added for Millwork Gap per RFI 245

The total COR amount to complete the changes listed above is \$1,921.00

Sincerely,
STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

www.strongholdengineering.com

California • Arizona • Nevada • Florida • Hawaii • International

PROPOSAL/ESTIMATE **STRONGHOLD ENGINEERING, INC.**

DATE: 12-Dec-18

CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: **0843-000-7374**

TO: **Mike Wickham - Kitchell**

COR 072

DESCRIPTION: **Added Filler for Gap in Millwork per RFI 245**

PRIME CONTRACTOR'S WORK				Revisions/comments
1.	Direct Materials			
2.	Sales Tax on Materials	9.00% of line 1	9.00%	-
3.	Direct Labor			
4.	Insurance, Taxes, and Fringe Benefits			
5.	Rental Equipment			-
6.	Sales Tax on Rental Equipment	0.00% of line 5 INCLUDED	0.00%	-
7.	Equipment Ownership and Operating Expenses			-
8.	SUBTOTAL (add lines 1-7)			\$ -
9.	Field Overhead	0% of line 8 INCLUDED	0.00%	-
10.	SUBTOTAL (Add Lines 8 & 9)			\$ -

Prime Remarks:

SUB-CONTRACTOR'S WORK (Spooners)				Revisions/comments
11.	Direct Materials			775
12.	Sales Tax on Materials	9.00% of line 11 Included	9.00%	
13.	Direct Labor			800
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13 Included	0.0%	-
15.	Rental Equipment			
16.	Sales Tax on Rental Equipment	0.00% of line 15 Included	0.00%	-
17.	Equipment Ownership and Operating Expenses			
18.	SUBTOTAL (add lines 11-17)			\$ 1,575.00
19.	Overhead and Profit	10.0% of line 18 Included	10.0%	158
20.	Profit	5.0% of line 18	5.0%	79
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 1,811.25
22.	Sub Contractor Liability Insurance	_____ of line 20 Included		
23.		_____ of total change		
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 1,811.25

Sub's Remarks:

SUMMARY				Revisions/comments
24.	Prime Contractor's work (from line 10)			-
25.	Sub-contractor's work (from line 23)			1,811
26.	SUBTOTAL (add lines 24 & 25)			\$ 1,811.25
27.	Prime Overhead on sub-contractor	0.0% of line 25	0.0%	-
28.	Prime's Home Office Overhead	0.0% of line 24	0.0%	-
29.	Prime's Overhead & Profit	5.0% of line 18	5.0%	91
30.	SUBTOTAL (add lines 26-29)			\$ 1,901.81
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	19
32.	TOTAL COST (add lines 30 & 31)			\$ 1,921.00

Prime Contractor name: **Stronghold Engineering, Inc.**
 Sub-contractor name: **Spooners**

Signature and title of Preparer

Date 12/12/18

VP of General Construction



SPOONER'S

WOODWORKS

Project Name: RUHS	COR No / Owner COR No: 5
Project Number: 17171	Attention: Camille Crites
Prepared By: Dan Watson	Date: 12/11/20/18

COR Subject: P-lam fillers above base cabinets RFI 245

Description:

P-lam fillers above base cabinets RFI 245

	Description/Breakdown of Cost Impact	Cost
#1	P-lam fillers above base cabinets RFI 245	\$ 1,575.00
#2		
#3	MATERIAL- \$775.00	
#4	INSTALL LABOR- \$475.00	
#5	SHOP LABOR- \$325.00	
#6		
#7		
	TOTAL COR COST	\$ 1,575.00

This COR is valid for 30 days

Work Authorized By (print): _____

COR APPROVED

Signature: _____

COR DENIED

Title: _____

Company: _____

Phone: _____

Date: _____

PLEASE SEND ALL OFFICIAL CHANGE ORDERS TO RACHEL.SANABRIA@SPOONERWOODWORKS.COM



STRONGHOLD ENGINEERING, INC.

2000 Market Street, Riverside, CA 92501 • Tel (951) 684-9303 • Fax (951) 684-9329 • Est. Fax (951) 684-3813

Established 1991

December 28, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 074 – Nurse Call PBX – ACD 0014**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added by Ewing Cole and ACD 0014 for the Nurse Call System for the RUHS 2nd Floor Cath lab Project. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. Nurse Call PBX System – ACD 0014 – 5 Days

The total COR amount to complete the changes listed above is \$27,698.00

Sincerely,

STRONGHOLD ENGINEERING, INC

Denny McGahey
VP General Construction

BUILDING CONSTRUCTION EXCELLENCE

www.strongholdengineering.com

California • Arizona • Nevada • Florida • Hawaii • International

CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: 0843-000-7374

TO: **Mike Wickham - Kitchell**

COR 074

DESCRIPTION: Nurse Call - PBX

		PRIME CONTRACTOR'S WORK			Revisions/comments
1.	Direct Materials				
2.	Sales Tax on Materials	9.00% of line 1	9.00%	-	
3.	Direct Labor				
4.	Insurance, Taxes, and Fringe Benefits				
5.	Rental Equipment			-	
6.	Sales Tax on Rental Equipment	0.00% of line 5	0.00%	-	
7.	Equipment Ownership and Operating Expenses			-	
8.	SUBTOTAL (add lines 1-7)			\$ -	
9.	Field Overhead	0% of line 8	0.00%	-	
10.	SUBTOTAL (Add Lines 8 & 9)			\$ -	

Prime Remarks:

		SUB-CONTRACTOR'S WORK (SEI Electrical)			Revisions/comments
11.	Direct Materials			3,600	Phone Jack
12.	Sales Tax on Materials	9.00% of line 11	9.00%		
13.	Direct Labor			10,524	
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13	0.0%	-	
15.	Rental Equipment				
16.	Sales Tax on Rental Equipment	0.00% of line 15	0.00%	-	
17.	Equipment Ownership and Operating Expenses				
18.	SUBTOTAL (add lines 11-17)			\$ 14,124.31	
19.	Overhead and Profit	10.0% of line 18	10.0%	1,412	
20.	Profit	5.0% of line 18	5.0%	706	
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 16,242.96	
22.	Sub Contractor Liability Insurance	of line 20	Included		
23.		of total change			
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 16,242.96	

Sub's Remarks:

		SUB-CONTRACTOR'S WORK (SEI Electrical Sub Work)			Revisions/comments
11.	Direct Materials			9,055	Phone Jack
12.	Sales Tax on Materials	9.00% of line 11	9.00%		
13.	Direct Labor			350	
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13	0.0%	-	
15.	Rental Equipment				
16.	Sales Tax on Rental Equipment	0.00% of line 15	0.00%	-	
17.	Equipment Ownership and Operating Expenses				
18.	SUBTOTAL (add lines 11-17)			\$ 9,405.01	
19.	Overhead and Profit	5.0% of line 18	5.0%	470	
20.	Profit	of line 18	0.0%	-	
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 9,875.26	
22.	Sub Contractor Liability Insurance	of line 20	Included		
23.		of total change			
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 9,875.00	

Sub's Remarks:

		SUMMARY			Revisions/comments
24.	Prime Contractor's work (from line 10)			-	
25.	Sub-contractor's work (from line 23)			26,118	
26.	SUBTOTAL (add lines 24 & 25)			\$ 26,118.00	
27.	Prime Overhead on sub-contractor	0.0% of line 25	0.0%	-	
28.	Prime's Home Office Overhead	0.0% of line 24	0.0%	-	
29.	Prime's Overhead & Profit	5.0% of line 18	5.0%	1,306	
30.	SUBTOTAL (add lines 26-29)			\$ 27,423.90	
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	274	
32.	TOTAL COST (add lines 30 & 31)			\$ 27,698.00	

Prime Contractor name: **Stronghold Engineering, Inc.**

Sub-contractor name: **SEI Electrical, Thompson and Concrete Coring**

Signature and title of Preparer

Date 12/28/18

VP of General Construction



STRONGHOLD ENGINEERING INC.

2000 Market Street
Riverside, CA 92501
Tel: (951) 684-9303
Fax: (951) 684-3813-Main
Fax: (951) 684-3813-Est.

Attn: **Shane Papp**

Date: **12/27/2018**

Project: **RUSH Medical Center Catheterization Lab**

SEI # **13**
Customer PCO #

RE: **Nurse Call**

Status: **Work Completed on a Time and Material Basis**

Gentlemen

Please find attached our Cost Breakdown, Recap & Back-up in the Amount of \$ 26,118.22 Dollars for the following additional work:

Nurse Call

This change proposal is limited to modifications involving our original scope of work. Work that may be required to complete this change order, which is the work of other trades, is not a part of this change proposal.

This change proposal is based on the usual cost elements such as labor, materials, and normal mark-up and does not include any amount for interference, disruptions, rescheduling, change in the sequence of work, delays, acceleration and or impact costs. This cost proposal supersedes all previously submitted cost proposal's relating to this same work.

EXCLUSIONS:

1. This proposal is based solely on the scope as indicated in the subject documents and includes direct costs for labor, material, and equipment only.
2. Overtime Labor Cost
3. Patching & Painting
4. All of Stronghold Engineering Inc. base contract exclusions shall apply
5. We reserve the right to correct this quote for errors and omissions
6. **We require a time extension of 5-days**
7. **Bond Is Not Included**

BY:



Melissa Sheehe / Project Coordinator



Change Request Form

Project No.: **17008**
 Project Name: **RUSH Medical Center Catheterization Lab** PCO# _____
 Date Requested: _____ Date Submitted: **12/28/2018**

Description of Change: Nurse Call

1	Material						\$	3,302.80
2	Sales Tax on Material						\$	297.25
3	Subtotal Materials						\$	3,600.05
4	Labor Costs						\$	10,524.26
5	Equipment	Days @	20.00	Per Day				
6		Hours @	150.00	Per Day				
7								
8	Labor & Equipment Sub-Total:						\$	14,124.31
9								
10	Freight							
11	Other Direct Costs	Parking / Day	\$11.00	days				
12	Insurance							
13	Other:							
14	Truck @							
15	Permit Fee	\$48.00 /Day		Days				
16								
17	Mark-Up		15.0%					\$2,118.65
18	Sub-Contract	Concrete Coring					\$	350.00
19	Additional Sub-Contract	Thompson Engi					\$	9,055.01
20	Sub-Contract Sub-Total						\$	9,405.01
21	Sub-Contract Mark-Up		5.0%				\$	470.25
22								
23	Bond Premium						\$	-
24	Total Price of This Change Proposal						\$	26,118.22
25								
26	Extension of time due to this Change is:							
27	This Proposal is based on:		Unknown			Days or Deferred **		
28	This proposal is subject to upward escalation unless	St. Time	O. Time			Shift		
	Extended Overhead Cost		{20 C. Days if no date shown}					
		Included				Deferred **		

Submitted by: *Melissa Sheehe* Project Coordinator Date 12/28/2018
 Signature: Melissa Sheehe Title

Approved by: _____ Date _____
 Signature: Title

This proposal is based solely on the direct cost elements such as labor, material, and normal mark-ups and does not include any amount for changes in the sequence of work delays, disruptions, rescheduling, extended overhead, acceleration, and/or impact costs not specifically noted and mutually agreed upon on the enclosed "labor factors and corrections" and



Change Request Form

Labor Factors & Corrections

Percentages are to be applied to the total affected manhours of the current contract, and to the Labor of the proposed change.	Affected Manhours of Current Contract		Manhours of Proposed Change	
	Manhours *	_____	89.00	
As of	_____			
Negative Productivity Factors	Percentage of Loss	Manhours Lost	Percentage of Loss	Manhours Lost
Reassignment of Manpower				
Crew Size Inefficiency				
Site Access				
Logistics				
Stacking of Trades				
Dilution of Supervision				
Errors and Omissions				
Fatigue				
Learning Curve				
Ripple				
Morale and Attitude				
Concurrent Operations				
Beneficial Occupancy				
Joint Occupancy (Other Trades)				
Weather Factor				
Height Factor				
Overtime Adjustment				
1 + 2 + 3 =	***** (2)		***** (2)	

* Estimated

{4} Electrician	89.00	Hrs. @	\$77.31	6,880.59
{5} Foreman	41.00	Hrs. @	\$88.87	3,643.67
{6}		Hrs. @		
{7}		Hrs. @		
{8} Operator		Hrs. @		
{9} Carpenter		Hrs. @		
{10} Other: _____		Hrs. @		
{11}				
{12} Total Direct Labor (Lines 4 - 11)	130.00	Hrs.		10,524.26
{13} Small Tools @ %				
{14} Total Labor (Lines 12+13)				\$10,524.26



Change Request Form

Labor Summary

Hourly Rates

Job Description	Base Rate	Payroll Tax Insurance Fringes	Wage, Tax & Fringe Escalation	Other	Total Hourly Rate
Electrician	\$77.31				77.31
Foreman	\$88.87				88.87
General Foreman					
Superintendent	\$72.00				72.00
Other:					

1. Electrician	<u>81.00</u>	Hrs.
2. Nonproductive Travel	<u> </u>	Hrs.
3. Remobilization Hours	<u> </u>	Hrs.
4. Material Handling	<u>4.00</u>	Hrs.
5. Punch and Demo	<u> </u>	Hrs.
6. Safety Training	<u> </u>	Hrs.
7. Clean Up	<u>4.00</u>	Hrs.
8. Warranty	<u> </u>	Hrs.
9. Safety Training	<u> </u>	Hrs.
10. Set Up / Clean Up	<u> </u>	Hrs.
11. Labor Difficulty	<u> </u>	Hrs.
12. Base Electrician Hours 1 thru 11	89.00	

See Attachment for Apprentice Labor Breakdown

Takeoff Sheet

Project No.: 17008

RFC# : _____

U = E for Each, C for 100, M for 10 Project Name: RUSH Medical Center Catheterization Lab

Item	Description	Qty	Mat Price	U	Labor	U	Total Mat(\$)	Total Hours
1	One Lot Material	1	\$3,302.80	E	122.00	E	\$3,302.80	122.00
2								
3								
4								
5								
6								
7								
8								
9								
10								
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37								
38								
39								

Totals

3,302.80	122.00
----------	--------

Project: 17008 Cath Lab

Subject: Change Order #13

RE: Nurse Call

Item	Description	Quantity	Net Price	Unit	Total Material
1	1" EMT CONDUIT	400	\$ 430.80	C	\$ 1,723.20
2	4x2 1/8" SQ BOX 1" KO	25	\$ 2,529.90	C	\$ 632.48
3	4" SQ BLANK COVER	25	\$ 515.36	C	\$ 128.84
4	3/8 PLATED T-ROD	400	\$ 124.34	C	\$ 497.36
5	3/8-16 HEX NUT - PLTD STL	400	\$ 6.20	C	\$ 24.80
6	3/8 FLAT WASHER - PLTD STL	100	\$ 3.66	C	\$ 3.66
7	3/8 LOCK WASHER - PLTD STL	100	\$ 4.64	C	\$ 4.64
8	B26 1 5/8" DEEP 10' GALV SLOTTED HOLE	50	\$ 575.63	C	\$ 287.82

9 SUBTOTAL MATERIALS \$ 3,302.80

Item	LABOR	Quantity
10	12/3/2018 Foreman Electrician	4
	12/4/2018 Foreman Electrician	8
	12/5/2018 Foreman Electrician	8
	12/6/2018 Foreman	10

Electrician

30

12/7/2018

Foreman

11

Electrician

31

11 SUBTOTAL MAN HOURS

122



NURSE CALL

TIME & MATERIAL

NURSE CALL

Project Name	Cath Lab	Job Location	2nd Floor / Lower Level
Job No.	17008	Date Performed	12/3/18
Related RFI or Field Directive:	Change Order	Start Time: 5:30	Finish Time: 9:30

Description of Work

ORDER / Reviewed Material For Nurse call change order.
 Transferred material to building for nurse call. Verified
 Route of conduit down to PBX on lower level. Made
 contact with personnel where PBX is located to
 verify time we can work in PBX area.

Labor

Name	Class	ST	OT
Joe Quiñones	FM	4	
Andrew Sabal	APP	1	

Equipment

Description	Ref No.	Hours

Material Received

Vendor	Description	QTY	Unit
✓	1" ENT	400'	
✓	3/8" All Thread	400'	
✓	3/8" nut	400	
✓	3/8" washers	100	
✓	3/8" lock washer	100	
✓	Deep Strut	50'	

Material Received

Vendor	Description	QTY	Unit
✓	SS J-Boxes Deep 1" KD	25	
✓	SS Brass Lockers	25	

Subcontractors

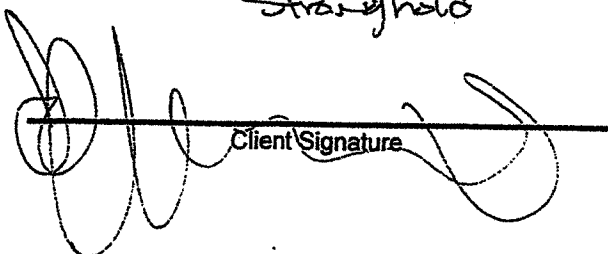
Vendor/PO	Invoice	Qty	Unit

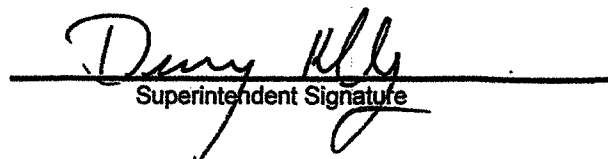
Subcontractors

Vendor/PO	Invoice	Qty	Unit

Client Name Joe Quiñones
 Stronghold

Superintendent Name D Kelly


 Client Signature


 Superintendent Signature



TIME & MATERIAL

NURSE CALL

Project Name	Cath Lab	Job Location	Lower Level
Job No.	17008	Date Performed	12/04/18
Related RFI or Field Directive:	Change Order	Start Time: 5:30 am	Finish Time: 2 pm

Description of Work

Dropped ceiling tiles to verify Routes are accessible.
 Dropped 3" x 2" abandoned conduits 50' x 3'. Started
 to install 1" conduit in corridor outside of PBX RM.
 Stubbed 1" conduit in PBX ROOM. Stripped & Stripped Conduit
 on existing Patch Tray & tightened all existing nuts
 & anchors on existing Patch.

Labor

Name	Class	ST	OT
Jose Quinones	FM	8	
Andrew Sefu	APP	8	

Equipment

Description	Ref No.	Hours

Material

Vendor	Description	QTY	Unit

Material

Vendor	Description	QTY	Unit

Subcontractors

Vendor/PO	Invoice	Qty	Unit

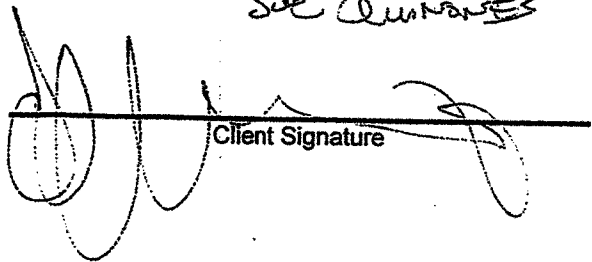
Subcontractors

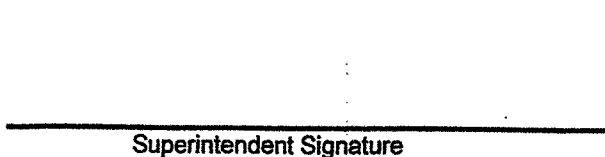
Vendor/PO	Invoice	Qty	Unit

Client Name Stronghold

Superintendent Name

See Quinones


 Client Signature


 Superintendent Signature



TIME & MATERIAL
NURSE CALL

Project Name	Cath Lab	Job Location	Lower Level
Job No.	17008	Date Performed	12/6/18
Related RFI or Field Directive:	Change Order	Start Time: 5:30 am	Finish Time: 2 pm

Description of Work

Continued installing 1" conduit in lower level corridor. Removed 3-2" existing conduit that was abandoned.

Labor

Name	Class	ST	OT
Joe Quinones		8	
Andrew Safai		8	

Equipment

Description	Ref No.	Hours

Material

Vendor	Description	QTY	Unit

Material

Vendor	Description	QTY	Unit

Subcontractors

Vendor/PO	Invoice	Qty	Unit

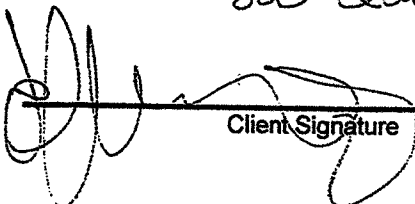
Subcontractors

Vendor/PO	Invoice	Qty	Unit

Client Name Stronghold

Superintendent Name _____

Joe Quinones



Client Signature

Superintendent Signature



TIME & MATERIAL
NURSE CALL

Project Name	Cath Lab	Job Location	lower level / 2nd floor CATH
Job No.	17008	Date Performed	12/06/12
Related RFI or Field Directive:	change ORDER	Start Time: 5:30	Finish Time: 4:00

Description of Work

Continued installing 1" Conduit for Nurse Call on lower level and 2nd floor CATH lab corridor. Stripped into communication closets on first low level to 2nd floor. Waiting for material for 2 expansion joints will be more tomorrow. Corners will also be done tomorrow. Will install 1" in Nursing Station AREA and connect to Panel tomorrow will also surface mount J-Box where PBX is located.

Labor

Name	Class	ST	OT
Joe Quinones	FM	10	
Andrew Sabli	APP	10	
Chris Salgado	APP	10	
ALFRED Perez	APP	10	

Equipment

Description	Ref No.	Hours

Material

Vendor	Description	QTY	Unit

Material

Vendor	Description	QTY	Unit

Subcontractors

Vendor/PO	Invoice	Qty	Unit

Subcontractors

Vendor/PO	Invoice	Qty	Unit

Client Name Joe Quinones

Superintendent Name [Blank]

Client Signature

Superintendent Signature



**TIME & MATERIAL
 NURSE CALL**

Project Name	Cath Lab	Job Location	2 nd Fl. / 1 st Fl. / Lower Level
Job No.	17008	Date Performed	12/7/18
Related RFI or Field Directive: Change Order		Start Time: 4 am	Finish Time: 3:30 pm

Description of Work

Continued installing 1" Conduit for nurse call. Core was done in communication closets. Installed 1" in communication closet from 2nd floor down to lower level. Installed expansion joints. Fixed all penetrations in walls. Connected to panel in wiring station. Walked and inspected by JCR. 1" Conduit for nurse call is complete.

Labor

Name	Class	ST	OT
Joe Demones	FM	11	
Andrew Saffell	APP	11	
Chris Salgado	APP	10	
ALFRED RIVERA	APP	10	

Equipment

Description	Ref No.	Hours

Material

Vendor	Description	QTY	Unit

Material

Vendor	Description	QTY	Unit

Subcontractors

Vendor/PO	Invoice	Qty	Unit

Subcontractors

Vendor/PO	Invoice	Qty	Unit

Client Name Joe Demones

Superintendent Name _____

Client Signature

Superintendent Signature _____

CONCRETE CORING

COMPANY

INVOICE NO.

LA431317

14005 Orange Ave.
 Paramount, California 90723
 562-634-4021 Fax 562-634-2305
 Contractors License 368275A
 FID 95-3139575

CUSTOMER # 508500

B STRONGHOLD ENGINEERING
I 2000 MARKET ST.
L RIVERSIDE, CA 92501
L
T
O

A RIVERSIDE UNIVERSITY HEALTH
D 26520 CACTUS AVE
J NASON ST
O MORENO VALLEY, CA
R
E
S
S

(951) 684-9303

CUSTOMER PURCHASE ORDER NO.		CUSTOMER JOB NUMBER		BILLING DATE	AREA/TERR.
				12/27/18	DAVID
QTY	JOB TICKET NUMBER	DATE OF WORK	TYPE OF WORK PERFORMED	UNIT PRICE	AMOUNT
1.0	442948	12/07/18	CORE DRILLING-MINIMUM: SEE JOB TICKET ATTACHED	350.000	350.00
				Tax:	0.00
				Total:	350.00
<p>THIS INVOICE IS DUE AND PAYABLE BY 01/26/19 AFTER WHICH IT BECOMES DELINQUENT AND SUBJECT TO A 1 1/2% SERVICE CHARGE. OUR CONTRACT ALLOWS FOR ATTORNEY FEES FOR COLLECTION OF DELINQUENT ACCOUNTS</p>					

CONDITIONAL WAIVER AND RELEASE UPON PROGRESS PAYMENT

Upon receipt by the undersigned of a check from STRONGHOLD ENGINEERING in the sum of 350.00 payable to Concrete Coring Company and when the check has been properly endorsed and has been paid by the bank upon which it is drawn, this document shall be effective to release pro tanto mechanics lien, stop notice or bond right the undersigned has on the job of RIVERSIDE UNIVERSITY HEALTH located at 26520 CACTUS AVE to the following extent this release covers a PROGRESS payment for labor, services, equipment or material furnished to STRONGHOLD ENGINEERING on 12/07/18 for invoice number 431317 only and does not cover any retention before or after the release date, extras or items furnished after said date.

Before any recipient of this document relies on it, said party should verify evidence of payment to the undersigned.
 Concrete Coring Company

BY _____
 TITLE _____



PROPOSAL# RT18-105
RUHS CT Scan
R4K Annunciator Add

CA State Lic No 665844

Dated: 10/23/2018

Proposal Submitted To:

Dwayne Kelley
Project Superintendent
951-217-7061
dkelly@teamsei.com

Submitted by:

Rocky Trevino
Customer Service Manager
951-784-7270 x127
rtrevino@thompsonsone.com

Project Location: RUHS CT Scan

SUMMARY

Thompson Engineering Company (TEC) will Install an additional R4K code blue/staff assist button at the CT scan control room and pull wire to both new devices through conduit provided by Stronghold Electric. TEC will also add a 4K Annunciator panel at PBX and pull through approximately 400 feet of conduit provided by Stronghold Electric. Pathway of conduit and location of R4K Annunciator will be determined by Stronghold Electric. Stonghold will provide CAD drawings. TEC will create OSHPD ready plans for Stronghold to submit as a change order to the existing project.

SCOPE OF WORK:

The equipment and materials included within the scope of this proposal and any contract resulting from the acceptance of this proposal, are limited to the following items:

HARDWARE AND SOFTWARE:

QTY.	MANUFACTURER	MODEL NO.	DESCRIPTION
1	Rauland	R4KANNV2	R5K Annunciator Panel v2
1	Rauland	R4KPB23	R5K Staff Assist Code Station
1	Rauland	R4KWM22	R5K ANN Panel Wall Mount Kit

PRICE:	\$ 8,888.82
SALES TAX:	\$ 166.19
TOTAL PRICE:	\$ 9,055.01



PROPOSAL# RT18-105
RUHS CT Scan
R4K Annunciator Add

ADDITIONAL NOTES:

1. Installed as specified to AC power cable and outlets, 3/4" plywood backboards, terminal cabinets, standard electrical back boxes, conduit systems, and sleeves provided and installed by others as specified by P A Thompson Engineering Company, Inc.
2. This price does not include cable support hooks (J-Hooks) unless specifically stated below.
3. Price excludes any required Fire-stopping applications, materials, devices, caulking, or sleeves.
4. Price excludes any demolition, patching, or repair unless otherwise noted.
5. If any cabling is to be run open in the attic space, this proposal assumes that we will have unrestricted access to the attic space. If the ceiling tile and/or ceiling tile grid are installed before the associated conduit systems and sleeves are completed and before we are directed to proceed with the installation of the cabling, there will be an additional charge to cover our increased labor costs.
6. Rauland Borg manufactured products carry a five-year limited warranty from the manufacturer. A copy of this manufacturer's written warranty will be provided upon request.
7. Price excludes any and all permit fees.
8. Quoted price does include Sales Tax.
9. If payment is made by credit card, a fee of 3% of the quoted price will be charged.
10. Thompson Engineering is not responsible for any undisclosed and/or non-compliant code issues that may be discovered during the installation of this proposal.
11. Quoted price does not include Performance and Payment Bond: add 1.7% to the quoted price if Performance and Payment Bond is required.
12. Thompson Engineering maintains general liability insurance with a \$2M general aggregate limit. If additional coverage is required for this project, there will be an additional cost.
13. If Thompson Engineering is required to provide Professional Liability insurance for this project, there will be an additional cost.
14. This proposal does not anticipate that an Owner Controlled Insurance Program will be in effect for this project. If an OCIP is in place or is put in place for the job, there will be an additional cost to cover the administrative costs which Thompson Engineering will incur for the OCIP enrollment, reporting, and record keeping.
15. The use of Biohazard Infection Containment Units is not included in this price. If these units are required in additional areas, a copy of the facility's Infectious Control policy must be provided to Thompson Engineering. A revised cost proposal will be provided based upon review of this policy.
16. The price quoted in this Bid/Proposal anticipates that acceptance by the customer will create a new contract between the customer and Thompson Engineering. Should the customer wish to have this work performed as a change order to an existing contract with Thompson Engineering, there will be an additional charge to cover the increased administrative costs which will be incurred by Thompson Engineering; in that event the customer should contact Thompson Engineering for a revised cost proposal.
17. If the OSHPD option is accepted, quoted price includes two (2) sets of EE-stamped OSHPD-ready product submittals and shop drawings, which are to be submitted to OSHPD by the Owner's designated AOR.
18. Thompson Engineering will require that OSHPD approval be obtained for the proposed work in the project area before any work will be performed. Please refer to CAC 7-128, which as per OSHPD Deputy Director Paul A. Coleman, will be strictly enforced; and the Facility and contractors can be subject to penalties for non-compliance.
19. If software is provided with this proposal it will reside on district supplied servers, virtual or physical.
20. Quoted price includes one (1) set of as-built plans and O&M manuals.
21. This price does not include fire alarm integration.
22. Work is to be performed during Day shift hours.



PROPOSAL# RT18-105
RUHS CT Scan
R4K Annunciator Add

CONTRACTORS ARE REQUIRED BY LAW TO BE LICENSED AND REGULATED BY THE CONTRACTORS STATE LICENSE BOARD WHICH HAS JURISDICTION TO INVESTIGATE COMPLAINTS AGAINST CONTRACTORS IF A COMPLAINT REGARDING A PATENT ACT OR OMISSION IS FILED WITHIN FOUR YEARS OF THE DATE OF THE ALLEGED VIOLATION. A COMPLAINT REGARDING A LATENT ACT OF OMISSION PERTAINING TO STRUCTURAL DEFECTS MUST BE FILED WITHIN 10 YEARS OF THE ALLEGED VIOLATION. ANY QUESTIONS CONCERNING THE CONTRACTOR MAY BE REFERRED TO THE REGISTRAR, CONTRACTORS STATE LICENSE BOARD P.O. BOX 26000 SACRAMENTO, CALIFORNIA 95826

P A Thompson Engineering Company, Inc., Hereby Proposes to furnish the above specified equipment and materials with listed terms and conditions. This proposal shall be deemed withdrawn thirty (30) days after the date first specified on page 1, unless a duly authorized signed acceptance is delivered and actually received by P A Thompson Engineering Company, Inc., prior to the expiration of said thirty (30) day period

P A THOMPSON ENGINEERING COMPANY, INC.

By: 
Rocky Trevino
Customer Service Manager

ACCEPTANCE OF PROPOSAL

PLEASE RETURN SIGNED PROPOSAL BY EMAIL, FAX, OR MAIL TO THOMPSON ENGINEERING. WHEN SENDING A COMPANY CONTRACT OR PURCHASE ORDER, PLEASE REFERENCE THE PROPOSAL NUMBER.

The above price and scope of work are hereby accepted. In accepting this proposal, the undersigned acknowledges and agrees that the terms and conditions set forth in this proposal are part of the terms hereof and the contract resulting from acceptance of this proposal.

Date of Acceptance: _____

Signature of Authorized Representative



Additional Terms and Conditions

1. **PAYMENT OBLIGATIONS** - Payment shall be made to P A Thompson Engineering Company, Inc. ("PATECO"), on a monthly basis. Each monthly payment shall be equal to 90% of the value of the work in place on the last day of the calendar month covered by the billing from PATECO. Monthly progress payments shall be made to PATECO within 30 days after the date of its billing for the progress payment in question. Final payment, including all withheld retention, shall be paid to PATECO on the earlier of (a) the date a corresponding final payment is paid by the owner or general contractor to the party accepting this proposal, or (b) the date of commissioning or activation of any equipment supplied or installed by PATECO sufficient to obtain a certificate of occupancy for the building or buildings in question.
2. **REMEDIES FOR BREACH** - In the event of breach of this agreement, the non-defaulting party shall be entitled to the following remedies, which are in addition to any other remedy to which it may be entitled, in law or in equity that is not inconsistent with the remedies set forth herein:
 - a. **Breach of Payment Obligation** - In the event PATECO is not paid in accordance with the provisions of this agreement, PATECO shall have the right to cease work on the project in question and to withhold delivery of all materials until such time as the payments due under the terms of this agreement are made current. In the event final payment is due on the date of commissioning or activation of any equipment supplied or installed by PATECO, PATECO shall be entitled to demand reasonable assurances from the party accepting this proposal that payment shall be made on the date of such commissioning or activation. Any past due balance owed to PATECO shall accrue interest at the rate of 10% per annum, until paid.
 - b. **Breach of Performance Obligation** - In the event the party accepting this proposal believes PATECO has breached its obligations under the terms of this agreement, it shall give written notice to PATECO of the alleged breach by PATECO and demand PATECO cure the same within ten (10) days after its receipt of such notice. Said notice shall be sent via facsimile transmission or via U.S. certified mail, return receipt requested, to the address or phone number set forth for PATECO in this agreement. In the event the party accepting this agreement does not give notice of an alleged breach within fifteen (15) days of the date said party knew or should have known of the facts and circumstances giving rise to such claim of breach by PATECO, any claim against PATECO resulting from such facts or circumstances shall be deemed waived.
 - c. **Cancellation Fee** - In the event construction of the project identified on the first page of this agreement is canceled, the party accepting this proposal shall be liable for all costs incurred by PATECO in reliance upon acceptance of this proposal, including but not limited to all restocking fees assessed to PATECO by third parties, plus PATECO's anticipated profits pro-rated to the proportion of work completed under this agreement as of the date of cancellation.
 - d. **Attorneys' Fees** - In the event of any litigation or arbitration between the parties to this agreement, the successful or prevailing party shall be entitled to an award of reasonable attorneys' fees in addition to any other relief to which that party may be entitled.
3. **WARRANTIES AND LIMITATIONS** - PATECO warrants that the materials and equipment supplied by it are new, unless otherwise stated herein, and are installed in a good and workmanlike manner. Except as is otherwise expressly stated herein, PATECO does not make any warranty, express or implied, concerning the work, labor, equipment or materials provided by it under the terms of this agreement, and expressly disclaims any warranty of merchantability or fitness for any particular use. Furthermore, once PATECO has provided all or any portion of the work, labor and/or materials required under this proposal/agreement, the risk of loss, damage and/or theft of such work, labor and/or materials transfers to the party accepting this proposal/agreement as of the date such work, labor and/or materials is put in place or otherwise stored on the project site. Any action for breach of warranty must be filed in a court of competent jurisdiction within one (1) year of the date of completion of PATECO's work under this agreement.
4. **SCHEDULING** - The work required of PATECO under this agreement shall be performed in accordance with the terms of a written schedule mutually acceptable to the parties hereto, which acceptance shall be manifest by countersigning copies of said written schedule. In the absence of a mutually agreed upon written schedule, PATECO shall perform its obligations within a reasonable time using a standard size crew working regular work hours. Once it commences work, PATECO shall be provided access to the project such as will permit it to complete its work, without interruption, delay or re-mobilization. Under no circumstances shall PATECO be responsible for delay damages or other losses or consequential damages resulting from delay on its part.
5. **INDEMNIFICATION** - The party accepting this proposal shall indemnify, defend, and hold PATECO, and its officers, directors and employees, harmless from and against any and all claims, demands, liabilities and losses, of every nature whatsoever, arising out of or relating to the project identified in this agreement and/or the work of PATECO thereon, except insofar as such claim, demand, liability or loss is attributable to the sole negligence of, or breach of this agreement by, PATECO.
6. **INTEGRATED AGREEMENT** - This proposal, if accepted, shall be the final written expression of the agreement between the parties concerning all work, labor, equipment and/or materials to be supplied by PATECO to the project in question. This agreement can only be modified by a subsequent written agreement signed by both parties. PATECO shall be under no obligation to provide any work, labor, equipment or materials beyond that described herein, unless the same is pursuant to a written agreement between the parties concerning such work.



STRONGHOLD ENGINEERING, INC.

2000 Market Street, Riverside, CA 92501 • Tel (951) 684-9303 • Fax (951) 684-9329 • Est. Fax (951) 684-3813

Established 1991

June 18, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out

Re: **COR 012 – Fan Coil 1 Location in Reference to RFI 024 , 024R1, 024R2 and ACD0001**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work for the FC-1 Location above Nurse's Station for the RUHS 2nd Floor Cath lab Project. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1.) Fan Coil Location

- a. Provide (40) hours of a sheet-metal general foreman, piping general foreman, and a design engineer to review the existing field conditions. Provide engineered design layout drawings based on multiple site surveys, field reviews, original duct routes and existing conditions. - 10 Days Added Time

The total COR amount to complete the changes listed above is \$8,732.00.

54,000 -

Sincerely,

STRONGHOLD ENGINEERING, INC.

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

www.strongholdengineering.com

California • Arizona • Nevada • Florida • Hawaii • International

PROPOSAL/ESTIMATE **STRONGHOLD ENGINEERING, INC.**

DATE: 18-Jun-18

CONTRACT TITLE: **RUHS 2nd Floor Cath Lab**

CONTRACT NO: **0843-000-7374**

TO: **Mike Wickham - Kitchell**

COR 012

DESCRIPTION: **Fan Coil - RFI 009, RFI 024, 024R1, 024R2 and ACD 0001**

PRIME CONTRACTOR'S WORK					Revisions/comments
1.	Direct Materials				
2.	Sales Tax on Materials	9.00% of line 1	9.00%	-	
3.	Direct Labor				
4.	Insurance, Taxes, and Fringe Benefits				
5.	Rental Equipment			-	
6.	Sales Tax on Rental Equipment	0.00% of line 5 INCLUDED	0.00%	-	
7.	Equipment Ownership and Operating Expenses			-	
8.	SUBTOTAL (add lines 1-7)			\$ -	
9.	Field Overhead	0% of line 8 INCLUDED	0.00%	-	
10.	SUBTOTAL (Add Lines 8 & 9)			\$ -	

Prime Remarks:

SUB-CONTRACTOR'S WORK (ACCO)					Revisions/comments
11.	Direct Materials			7,129	
12.	Sales Tax on Materials	9.50% of line 11 Included	0.00%		
13.	Direct Labor				
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13 Included	0.0%	-	
15.	Rental Equipment			-	
16.	Sales Tax on Rental Equipment	0.00% of line 15 Included	0.00%	-	
17.	Equipment Ownership and Operating Expenses			-	
18.	SUBTOTAL (add lines 11-17)			\$ 7,129.00	
19.	Overhead	10.0% of line 18 Included	10.0%	713	
20.	Profit	5.0% of line 18+19	5.0%	392	
20.	SUBTOTAL (Add Lines 18 & 19)			\$ 8,233.90	
21.	Sub Contractor Bond Premium	1.0% of line 20 Included			
22.		of total change			
23.	SUBTOTAL (Add Lines 20 - 22)			\$ 8,233.90	

Sub's Remarks:

SUMMARY					Revisions/comments
24.	Prime Contractor's work (from line 10)			-	
25.	Sub-contractor's work (from line 23)			8,234	
26.	SUBTOTAL (add lines 24 & 25)			\$ 8,233.90	
27.	Prime Overhead on sub-contractor	0.0% of line 25	0.0%	-	
28.	Prime's Home Office Overhead	0.0% of line 24	0.0%	-	
29.	Prime's Overhead & Profit	5.0% of line 18	5.0%	412	
30.	SUBTOTAL (add lines 26-29)			\$ 8,645.60	
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	86	
32.	TOTAL COST (add lines 30 & 31)			\$ 8,732.00	\$4,000 -

Prime Contractor name: **Stronghold Engineering, Inc.**

Sub-contractor name: **ACCO**

Signature and title of Preparer

Date 06/18/18

VP of General Construction



December 28th, 2017

Shane Papp
Stronghold Engineering
2000 Market Street
Riverside, CA 92501

818 / 244-6571 Voice
818 / 247-6533 Fax
6265 San Fernando Road
Glendale, California
91201-2214

Regarding: Riverside University Health System Riverside County
Regional Medical Center Catheterization Lab Project
Subject: Change Order # 003 – Revised 01/03/18
Project No: 611028

ACCO compiled the added costs associated with locating of FC-1.

- ACCO RFI 001 – Proposed relocation of FC-1 to Cath Lab, this was rejected.
- ACCO RFI 002 – Proposed relocation of FC-1 to the equipment room, this was rejected.
- ACCO RFI 003 – Requested to walk the FC-1 locations with the MEOR. It was determined that FC-1 would be installed per the contract drawing location. However existing utilities need to be relocated to accommodate installation of FC-1.

Scope of Work:

- Provide forty (40) hours of a sheet-metal general foreman, piping general foreman, and a design engineer to review the existing field conditions.
- Provide engineered design layout drawings based on multiple site surveys, field reviews, original duct routes, and existing conditions.

Clarifications:

- Variable frequency drive will be delivered and offloaded by ACCO. Mounting and installation is by the electrical contractor.

Pricing:

- Our proposal pricing base on the scope described above is **\$ 8,233**

Sincerely,

ACCO Engineered Systems

Austin Hargett
Project Manager

CC: Mike Gadalla



Extra Work Proposal Labor and Material Breakdown

ACCO Job # : 611028

Date : 12/28/2017

Job Name : RUHS Catheterization Lab Project

Extra Work Proposal # : 3

Description of work:

Field survey of FC-1 per RFI-001 thru 003 due to field conditions.

Pricing Breakdown:

Equipment		\$0
Sheet Metal-Shop		\$0
Lining Shop		\$0
Welding Shop		\$0
Teamsters		\$0
Sheet Metal-Field		\$2,828
HVAC Piping-Shop		\$0
HVAC Piping-Field		\$803
Rigging		\$0
Systems Operations		\$0
Project Engineering / Management		\$3,425
Rentals		\$0
Jobsite Expenses		\$0
Misc.		\$0
Sales Tax	9.50%	\$1
Warranty Reserve		\$71
DIRECT JOB COST		\$7,129
+ Unit Pricing Costs		\$0
TOTAL COST		\$7,129
+ Overhead	10%	\$713
+ Profit	5%	\$392
Total ACCO Price		\$8,233
Subcontracts		\$0
+ Subcontracts Overhead/Profit	15%	\$0
+ Bond	0.00%	\$0
Total Extra Work Proposal Price		\$8,233

Time extension required because of labor added by this change is _____ workdays.
 This proposal is based on 77 hours of straight time and 0 hours of premium time.
 ACCO is:
 Proceeding with this work: X Waiting for authorization : _____

This price does not include any cutting or patching of drywall, electrical, utility fees, site utilities, painting, or other general construction. The cost of this change includes only those direct costs which can be identified at this time. There are no impact or ripple costs and no delay costs included in this proposal. Should it be determined at a later date that we are experiencing impact cost because of multiple changes, delays, or causes beyond our control, we will submit those costs at that time.

Submitted by: _____ Date: _____
 Project Manager

Approved by: _____ Date: _____
 Signature

Extra Work Proposal



EWP #: 3

Job Name: RUHS Catheterization Lab Project **Job #:** 611028 **Date:** #####

Sheet Metal - Field						
	Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$
Field Survey (3 trips)	24	-	-	2,352	-	\$ 2,352
Foreman	4	-	-	378	-	\$ 378
General Foreman	1	-	-	98	-	\$ 98
Sheet Metal (Field) Totals:	29	-	-	2,828	-	\$ 2,828
HVAC Piping - Field						
	Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$
Field Survey (1 trip)	8	-	-	792	-	\$ 792
Consumables / Tools					12	\$ 12
HVAC Piping (Field) Totals:	8	-	-	792	12	\$ 803
PROJ ENG/PROJ MGT						
	Hrs (ST)	Hrs (OT)		Labor \$	Material \$	TOTAL \$
Design Engineer (revise shop drawing & Investigation)	40	-		3,425	-	\$ 3,425
Project Manager	-	-		-	-	\$ -
Project Engineer	-	-		-	-	\$ -
Proj. Engr./Mgmt. Totals:	40	-		3,425	-	\$ 3,425



Austin Hargett <ahargett@accoes.com>

611028_RUHS Cath Lab Project_EQUIP RELEASE_FCU_CAV's_HUMIDIFIERS_FSD's_NSWC

Michael Gadalla <mgadalla@accoes.com>
 To: "Esquivel, Lorie" <lesquivel@accoes.com>, Artin Yarianian <ayarianian@accoes.com>, "Jeffrey A. Tabor" <jtabor@accoes.com>, Chris Dunbar <CDunbar@nswcla.com>
 Cc: Austin Hargett <ahargett@accoes.com>

Tue, Dec 5, 2017 at 2:03 PM

Lorie -

JOB: RUHS Cath Lab Project, 611028
 NSWC PO#: 397036

Please release the following per schedules below and approved submittals.

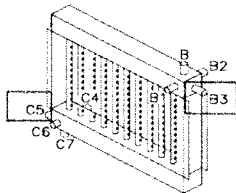
- 1- Qty (1) Chilled water fan coil unit tagged as FC-1. RH piping connection and control enclosure based on Air in Face direction (NSWC).
- 2- Qty (3) Price terminal units tagged as CAV-1 (LH), CAV-2 (RH) and CAV-3 (LH), Air in Face. NSW to provide information for Siemens to ship controllers (NSWC).

Count	Tag #	Reheat Coil tag #	Pipe Connections (Based on supply air in back of the head)	HW Flow (GPM)	HW Valve Kit Size	HW CV Size	HW Valve Type: 2-way or 3-way	CHW/HW Valve Kit PT Port Extensions?	System/ Coil Connections	HW CV Connection Type
1	CAV-1	RH-1-1	LH	7.49	3/4"	1/2"	2-way	No	Sweat	FPT
2	CAV-2	RH-1-2	RH	2.02	1/2"	1/2"	2-way	No	Sweat	FPT
3	CAV-3	RH-1-3	LH	1.44	1/2"	1/2"	2-way	No	Sweat	FPT

- 3- Qty (3) Humidifier steam generators tagged as H-1, 2 and 3, (3) ultra-sorb model LV dispersion tubes and (3) logic controllers (NSWC).

Tag #	Duct Size	Steam Dispersion Size (A'XB') A' Face width B' Face height	Steam Connection	Condensate Drain Connection
H1	26"x18"	26"x18"	B3	C5
H2	26"x14"	26"x14"	B3	C5
H3	14"x12"	14"x12"	B3	C5

Ultra-sorb connections



- 4- Qty (6) Fire smoke dampers per schedule below and approved submittal (NSWC).

Count	FSD Size (One size up)
1	8"x8"
2	28"x20"
3	22"x12"
4	14"x14"
5	28"x16"
6	16"x16"

Chris -
 Please ship to the address below and provide an ETA on the equipment.

SHIP TO:
 ACCO Engineered Systems
 6446 East Washington Blvd.
 Commerce, CA 90040
 attn: Dave Olivas/Frank Wilson, #611028

Thanks,

--
 Michael Gadalla | Project Engineer | ACCO Engineered Systems
 6265 San Fernando Rd | Glendale, California | 91201-2214
 818-244-6571 | 310-818-9512 cell | mgadalla@accoes.com

4 attachments

- Submittal 23 30 00_Greenheck Fan Coil submittal_AAN.pdf
553K
- Submittal 23 84 13 - FSD's.pdf
729K
- Submittal 23 30 00 - Price VAV submittal.pdf
1035K
- Submittal 23 84 13_Humidifiers_AAN.pdf
2523K



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

**APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY	
APPLICATION #:	OSP - 0105 - 10

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Greenheck Fan Corporation

Manufacturer's Technical Representative: Mr. David Berg

Mailing Address: 400 Ross Avenue, Schofield, WI 54476

Telephone: (713) 355-6628 Email: david.berg@greenheck.com

Product Information

Product Name: LFC (Low-Profile Fan Coil) Air Handling Units

Product Type: Air Handling Equipment

Product Model Number: LFC-15L-FC, LFC-20L-FC, LFC-25-FC, LFC-30L-FC, LFC-45L-FC, LFC-50L-FC, LFC-65L-FC, LFC-85L-FC
(List all unique product identification numbers and/or part numbers)

General Description: The Greenheck Model LFC line consists of low-profile horizontal fan coil suspended units available in eight sizes. The units are designed for air conditioning and/or heating, and feature a forward curved wheel and an option of up to 8 rows of heating and cooling coils. Seismic enhancements were made to the test units and modifications required to address anomalies observed during the testing shall be incorporated into the production units.

Mounting Description: Suspended mounted with cable bracing

Applicant Information

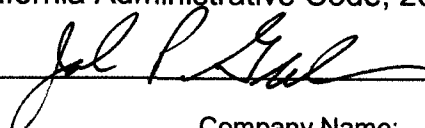
Applicant Company Name: The VMC Group

Contact Person: Mr. John Giuliano

Mailing Address: 113 Main Street, Bloomington, NJ 07403

Telephone: (973) 838-1780 Email: john.giuliano@thevmcgroup.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016.

Signature of Applicant:  Date: 12/2/16
Title: President Company Name: The VMC Group

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

