

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



**ITEM
3.8
(ID # 9572)**

MEETING DATE:

Tuesday, June 4, 2019

FROM : ECONOMIC DEVELOPMENT AGENCY (EDA) AND RIVERSIDE UNIVERSITY
HEALTH SYSTEM :

SUBJECT: ECONOMIC DEVELOPMENT AGENCY (EDA) AND RIVERSIDE UNIVERSITY
HEALTH SYSTEM: Riverside University Health System Cardiac Catheterization
Lab Project – Approval of Change Order No. 4 and Notice of Completion for
Stronghold Engineering, Inc., District 5. [\$600,472 – RUHS Enterprise Fund
40050 - 83%, RUHS Foundation - 17%] (Clerk to Record Notice of Completion)

RECOMMENDED MOTION: That the Board of Supervisors:

1. Ratify Change Order No. 4 in the amount of \$600,472 to Stronghold Engineering, Inc. (Stronghold) for unforeseen conditions on the Riverside University Health System Medical Center Cardiac Catheterization Lab (RUHS-MC Cath Lab) Project; find that the work was integral to the project and that competitive bidding would not produce an advantage and is impractical for the work;
2. Authorize the Assistant County Executive Officer/ECD or designee, to execute Change Order No. 4 on behalf of the County;
3. Accept the RUHS-MC Cath Lab Project constructed by Stronghold as complete, and authorize the Chairman of the Board (Chairman) to execute and the Clerk of the Board record the attached Notice of Completion; and

ACTION:Policy, CIP

Robert Field, Assistant County Executive Officer/ECD

5/10/2019

Jennifer Cruikshank, Chief Executive Officer – Health System

5/15/2019

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Jeffries, seconded by Supervisor Spiegel and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Spiegel, Washington, Perez and Hewitt
Nays: None
Absent: None
Date: June 4, 2019
xc: EDA, Recorder

Kecia Harper
Clerk of the Board
By:
Deputy

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
STATE OF CALIFORNIA**

RECOMMENDED MOTION: That the Board of Supervisors:

4. Approve reducing the contract retention for Stronghold from 5% to 2.5% and authorize the release of the undisputed retained funds in the amount of \$127,889 in accordance with the contract terms and applicable law.

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost
COST	\$ 600,472	\$ 0	\$ 600,472	\$ 0
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0
SOURCE OF FUNDS: RUHS Enterprise Fund 40050 – 83%, RUHS Foundation – 17% (Previously approved budget)			Budget Adjustment: No	
			For Fiscal Year: 2018/19	

C.E.O. RECOMMENDATION: Approve

BACKGROUND:

Summary

On July 11, 2017, Item 3.26, the Board of Supervisors (Board) approved the construction contract between the County of Riverside (County) and Stronghold in the amount of \$1,856,777 for the RUHS Cath Lab Project. During construction, three change orders were approved in the cumulative amount of \$100,533, for a new contract value of \$1,957,310. Change Orders No. 1 and No. 2 were applied against the allowance of the contract. Change Order No. 3 in the amount of \$100,533, did not exceed the 10% contingency allowance nor the single change order dollar authority, therefore no Board action was required.

The Economic Development Agency (EDA) is seeking for the Board to ratify Change Order No. 4 for the nurse call system; fire smoke dampers, unistrut welding and bracing, various other unforeseen and owner requested changes, and the negotiated impact of delays, to compensate Stronghold in the amount not to exceed of \$600,472 for a new contract value of \$2,557,782. Change Order No. 4, deemed integral to the completion of the Project; bidding the work would have caused additional delays and additional operating costs. The approval of Change Order No. 4 is within the approved project budget.

Pursuant to the general conditions of the contract, EDA is currently retaining 5% of all progress payments to Stronghold. The general conditions of the contract state that after the 50% completion point of the contract work, if satisfactory progress is being made, the County has sole discretion to reduce the retention to a minimum of 2.5% of the contract.

(Continued)

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
STATE OF CALIFORNIA**

BACKGROUND:

Summary (Continued)

Stronghold has completed the work satisfactorily, and the Project has been inspected and found to comply with the contract requirements. This Board action will release \$63,945 to Stronghold upon execution of this Board action, which is half of the retention to Stronghold; and the remaining undisputed contract retention funds in the amount of \$63,944, for a cumulative total of \$127,889, after the Notice of Completion has been recorded and the 35 day lien period has expired per contract terms and applicable law.

Impact on Residents and Businesses.

The completion of the RUHS Cath Lab Project replaced end of life equipment with upgraded angiography for patient care, allowing the hospital to provide improved cardiac catheterization services to the public.

Change Order Report for Stronghold Engineering, Inc.

CHANGE ORDER NO.	AMOUNT	PERCENT	DESCRIPTION
Construction Agreement	1,856,777	0.00 %	Original construction agreement.
Change Order No. 1	0	0.00 %	Replace and fireproof door, hardware, frame; cath cabinet; additional drywall. Partial allowance applied.
Change Order No. 2	0	0.00 %	Unforeseen mechanical-plumbing conditions; relocate water for sink and vent; framing changes. Partial allowance applied.
Change Order No. 3	100,533	5.41 %	Ceiling framing changes; 1 st floor pipe relocation; duct detectors; relocate beam; electrical room wall backing.
Change Order No. 4	600,472	32.34 %	Nurse call system; Fire Smoke Dampers; Unistrut welding and bracing; various other unforeseen and owner requested changes; Negotiated time impact/delay.
NEW CONTRACT TOTAL	\$ 2,557,782	37.75 %	

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
STATE OF CALIFORNIA**

Additional Fiscal Information

PROJECT BUDGET LINE ITEMS	CATEGORY	PROJECT BUDGET	PROJECT BUDGET ADJUSTMENT	REVISED PROJECT BUDGET
Architectural Design	1	325,000	0	325,000
Construction Management	2	200,000	0	200,000
Construction Contract	3	1,856,777	701,005	2,557,782
Construction Inspection	4	0	74,914	74,914
Project Management	5	65,000	0	65,000
Fixtures, Furnishings, Equipment	6	1,905,000	(775,919)	1,129,081
Other Soft Costs / Specialty Consultants	7	240,000	0	240,000
Project Contingency	8	350,000	0	350,000
Minor Construction	9	150,000	0	150,000
Revised Project Budget		\$ 5,091,777	\$ 0	\$ 5,091,777

All costs associated with this Board action were previously approved on July 11, 2017 (Item 3.26) in the amount of \$5,091,777 and are 83% funded by RUHS Enterprise Fund 40050 and 17% funded by the RUHS Foundation. Monies will be expended in FY 2018/19.

Attachments:

- Change Order No. 4 for Stronghold Engineering, Inc.
- Notice of Completion for Stronghold Engineering, Inc.

RF:HM:VC:SP:RM:NS:to FM08430007374 13983 9572
S:\Project Management Office\FORM 11'S\Form 11's_In Process\9572 - 13983_D3 - 007374_RUHS Cardiac Cath Lab_CO No.4 & NOC for Stronghold_060419


Nehini Dasika, Principal Management Analyst 5/28/2019


Gregory V. Priaplos, Director County Counsel 5/22/2019

PLEASE COMPLETE THIS INFORMATION
RECORDING REQUESTED BY:

KECIA R. HARPER, CLERK OF THE BOARD
4080 LEMON STREET, 1ST FLOOR CAC
P O BOX 1147 - RIVERSIDE, CA 92502

MAIL STOP # 1010

AND WHEN RECORDED MAIL TO:

RETURN TO: **STOP #1010**
RIVERSIDE COUNTY CLERK OF THE BOARD
P. O. BOX 1147 - RIVERSIDE, CA 92502

2019-0202451

06/05/2019 04:04 PM Fee: \$ 0.00

Page 1 of 2

Recorded in Official Records
County of Riverside
Peter Aldana
Assessor-County Clerk-Recorder



459

THIS SPACE FOR RECORDERS USE ONLY

NOTICE OF COMPLETION

(California Civil Code §§ 8100-8118, 9200-9208)

To be recorded with County Recorder within 15 days after completion.

Notice is hereby given by the undersigned owner, a public entity of the State of California, that a public work of improvement has been completed, as follows:

Project title or description of work: Riverside University Health System Cardiac Catheterization Lab Project (FM08430007374)

Date of Completion: Date Hereof 06/04/19

Nature of owner: Public Entity

Interest or estate of owner: In Fee


Address of owner: Clerk of the Board of Supervisors, County Administrative Center, 4080 Lemon St., Riverside, CA 92501

Name/address of direct contractor: Stronghold Engineering, Inc., 2000 Market Street, Riverside, CA 92501

Street or legal description of site: 26520 Cactus Avenue, Moreno Valley, CA 92555

Dated: June 4, 2019

Owner: County of Riverside
(Name of Public Entity)

By: 
Kevin Jeffries, Chairman, Board of Supervisors

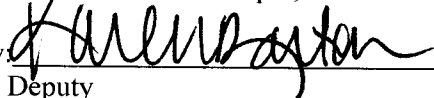
STATE OF CALIFORNIA)

ss

COUNTY OF RIVERSIDE)

I am the Chairman of the governing board of the County of Riverside, the public entity which executed the foregoing notice and on whose behalf I make this verification; I have read this notice, know its contents, and the same is true. I certify under penalty of perjury that the foregoing is true and correct.

ATTEST: Kecia R. Harper, Clerk

By: 
Deputy

Executed at Riverside, California on 06/04/19


Kevin Jeffries, Chairman, Board of Supervisors

FORM APPROVED COUNTY COUNSEL

BY: 
KRISTINE BELL-VAI DEF 7 DATE

06.04.19 3.8

Updated 5/2016



**PETER ALDANA
COUNTY OF RIVERSIDE
ASSESSOR-COUNTY CLERK-RECORDER**

Recorder
P.O. Box 751
Riverside, CA 92502-0751
(951) 486-7000

www.riversideacr.com

CERTIFICATION

Pursuant to the provisions of Government Code 27361.7, I certify under the penalty of perjury that the following is a true copy of illegible wording found in the attached document:

(Print or type the page number(s) and wording below):

Clarification of the Seal for the Riverside County Board of Supervisors
(embossed on the document)



Date:

6-4-19

Signature:

Karen Barton

Print Name:

Karen Barton, Board Assistant

COUNTY OF RIVERSIDE ECONOMIC DEVELOPMENT AGENCY

CHANGE ORDER NO. 4

Date: 12/3/2018

Project Name: RUHS Cateterization Lab

To Contractor:
Stronghold Engineering, Inc.
Kamel Khalil
951-684-9303

PeopleSoft Project No: FM 08430007374

Distribution:
 (1) Project Manager (4) Construction Manager
 (2) Contractor (5) Inspector
 (3) Fiscal (6) Architect/Engineer

You are directed to make the following changes. Changes shall include labor, material and equipment; each item to include all charges or indirect arising out of this work:

DESCRIPTION OF CHANGE	REASON FOR CHANGE ORDER	COR#	TYPE	AMOUNT
1) RFI #43 Added Fire Smoke Dampers	Plan/Essential Scope Omissions	5	ADD	\$54,405.00
2) RFI #113 & 127 1st floor table support steel revision	Unforeseen Conditions	23	ADD	\$18,087.00
3) RFI #53 Added steel angle @ floor penetrations	Plan/Essential Scope Omissions	26	ADD	\$8,139.00
4) Floor Leveling and build-up	Unforeseen Conditions	28	ADD	\$5,606.00
5) TU unit relocation 1st floor for steel install	Unforeseen Conditions	30	ADD	\$12,754.00
6) Add rigid ductwork for lead installation @ ceiling	Plan/Essential Scope Omissions	32	ADD	\$8,052.00
7) Seismic bracing for relocated 3" waste line in ceiling	Unforeseen Conditions	34	ADD	\$2,505.00
8) Monokoat Travel & Set-up No detail	Unforeseen Conditions	38	ADD	\$1,345.00
9) Repair existing FSD in storage room to office	Unforeseen Conditions	41	ADD	\$341.00
10) RFI #197 Rework fire sprinklers for steel install	Unforeseen Conditions	43	ADD	\$1,601.00
Total page 1				\$112,835.00
Total page 2				\$206,634.00
Total page 3				\$281,003.46
Total				\$600,472.46

The specifications, where pertinent, shall apply to these changes.

This Change Order provides for a time extension of _____ calendar days

Original Contract Duration (calendar days):	<u>127</u>
Prior Authorized Time Extension (calendar days):	<u>231</u>
Revised Construction Duration (calendar days):	<u>60</u>
Original Contract Completion Date:	<u>497</u>
Revised Contract Completion Date:	<u>3/29/2018</u>
	<u>6/1/2019</u>

NOTE: This change order is not effective until ALL signatures below are obtained, and if applicable, signature authority approval by Form 11 as indicated per Change Order Guidelines.

The undersigned contractor has given careful consideration to the change proposed, including its effect on other work already contracted for, and hereby agrees, if this change order is approved, that he will provide all equipment, furnish all materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment for all costs related in any way thereto the prices shown above. Contractor expressly waives any contract right to pursue any further claim related to this change order work.

1) [Signature] 4/15/19
 Contractor (Signature) Date

Beverly Bailey, President and CEO
 Contractor's Printed Name

Original Contract \$ 1,856,777.00
 Prior Authorized ADD DEDUCT \$ 100,533.00
 Total Contract Prior to this Change \$ 1,957,310.00

Authorized Changes on this Change Order: \$ 600,472.46

2) _____
 Select Job Title of Mgmt Signing C.O. Date
 (Signature)

Amount of Contract Authorized Including this Change Order \$ 2,557,782.46

Vincent Coffeen
 Select Job Title of Mgmt Signing C.O.
 Printed Name

Pursuant to: Board Policy B-11
 M.O. and Date

3) [Signature] 4-15-19
 Architect (Signature) Date

MICHAEL LEHMAN
 Architect's Printed Name

4) [Signature]
 Project Manager (Signature) Date

NAHID N. SELBE
 Project Manager's Printed Name

FORM APPROVED COUNTY COUNSEL BY KRISTINE BELL-VALDEZ DATE 4/23/19

JUN 04 2019 3.8

COUNTY OF RIVERSIDE ECONOMIC DEVELOPMENT AGENCY

CHANGE ORDER NO. 4

Date: 12/3/2018

Project Name: RUHS Cateterization Lab

To Contractor:

PeopleSoft Project No: FM 08430007374

Stronghold Engineering, Inc.
Kamel Khalil
951-684-9303

Distribution:

- | | |
|---------------------|--------------------------|
| (1) Project Manager | (4) Construction Manager |
| (2) Contractor | (5) Inspector |
| (3) Fiscal | (6) Architect/Engineer |

You are directed to make the following changes. Changes shall include labor, material and equipment; each item to include all charges or indirect arising out of this work:

DESCRIPTION OF CHANGE	REASON FOR CHANGE ORDER	COR#	TYPE	AMOUNT
11) FSD Duct Detector added T & M	Unforeseen Conditions	44	ADD	\$1,638.00
12) Infinity Ceiling design install	Plan/Essential Scope Omissions	48	ADD	\$19,400.00
13) Relocate/Add fire sprinklers in proceedure ceiling	Unforeseen Conditions	50	ADD	\$4,269.00
14) RFI #157 Remove existing Fire Alarm equipment	Unforeseen Conditions	52	ADD	\$3,768.00
15) RFI #163 Added Monokote	Unforeseen Conditions	58	ADD	\$858.00
16) Patch Storage Room Floor	Unforeseen Conditions	59	ADD	\$751.00
17) RFI #218 Relocate 1st floor EMT piping	Unforeseen Conditions	60	ADD	\$3,599.00
18) ASI 03 Added lead to control room offset wall	Unforeseen Conditions	62	ADD	\$670.00
19) Discovery on 3" wasteline relocation	Unforeseen Conditions	65	ADD	\$783.00
20) Add wiring and program of missing duct detector	Unforeseen Conditions	68	ADD	\$1,911.00
21) Fire alarm strobe and jack not shown - Relocated	Unforeseen Conditions	69	ADD	\$1,569.00
22) OSHPD required added fire sprinkler ASI 004	Unforeseen Conditions	70R1	ADD	\$11,114.00
23) Added Cath Lab Double Door Hardware	Unforeseen Conditions	71	ADD	\$751.00
24) Millwork - Added filler gap	Unforeseen Conditions	72	ADD	\$1,921.00
25) OSHPD required Nurse Call changes	Unforeseen Conditions	74	ADD	\$27,698.00
26) Fan Coil Revised	Unforeseen Conditions	12	ADD	\$4,000.00
27) Change Order 4 ACD 07 Added ceiling details	Plan/Essential Scope Omissions	31	ADD	\$6,261.00
28) Fan Coil Plumbing Relocation	Unforeseen Conditions	33	ADD	\$4,511.00
29) Fan Coil Electrical Relocation	Unforeseen Conditions	35	ADD	\$2,786.00
30) RFI 142 Install Blocking & Bridging	Unforeseen Conditions	42	ADD	\$2,069.00
31) RFI 204 additional welding, reinforcement for coring	Plan/Essential Scope Omissions	45R1	ADD	\$2,149.00
32) Expediting Drywall	Unforeseen Conditions	51	ADD	\$1,299.00
33) RFI 143 Unistrut welding	Plan/Essential Scope Omissions	53R1	ADD	\$4,629.00
34) RFI 163 CO No. 5 Unistrut Bracing	Plan/Essential Scope Omissions	54R1	ADD	\$40,960.00
35) RFI 164 Unistrut Splice Clevis	Plan/Essential Scope Omissions	55R1	ADD	\$10,436.00
36) RFI 167 Added Clip Welding	Plan/Essential Scope Omissions	56R1	ADD	\$6,557.00
37) ACD 08 Equipment Room Shelving	Unforeseen Conditions	57	ADD	\$10,316.00
38) Access Panel Changes and additions RFI 199	Plan/Essential Scope Omissions	61R2	ADD	\$19,508.00
39) Drywall premium time	Unforeseen Conditions	66	ADD	\$3,438.00
40) HCl premium time	Unforeseen Conditions	67	ADD	\$1,570.00
41) Millwork Premium time	Unforeseen Conditions	73	ADD	\$5,445.00

TOTAL PAGE 2 \$206,634.00

COUNTY OF RIVERSIDE ECONOMIC DEVELOPMENT AGENCY

CHANGE ORDER NO. 4

Date: 12/3/2018

Project Name: RUHS Cateterization Lab

To Contractor:

PeopleSoft Project No: FM 08430007374

Stronghold Engineering, Inc.
Kamel Khalil
951-684-9303

Distribution:

(1) Project Manager	(4) Construction Manager
(2) Contractor	(5) Inspector
(3) Fiscal	(6) Architect/Engineer

You are directed to make the following changes. Changes shall include labor, material and equipment; each item to include all charges or indirect arising out of this work:

DESCRIPTION OF CHANGE	REASON FOR CHANGE ORDER	COR#	TYPE	AMOUNT
42) GCX Mount	Department Driven	75		\$874.00
43) Unistrut Caps for infectious control	Plan/Essential Scope Omissions	76		\$320.00
44) EJ Doghouse changes	Plan/Essential Scope Omissions	77		\$6,156.00
45) AHU Programing for fire	Plan/Essential Scope Omissions	80		\$2,919.00
46) Flooring Changes	Unforeseen Conditions	81		\$1,326.00
47) Pyxis Welding changes	Unforeseen Conditions	82		\$4,521.00
48) Fire Alarm Retest due to AHU programing	Unforeseen Conditions	83		\$1,283.00
49) TRL Design Drawings	Unforeseen Conditions	84		\$5,104.00
50) Door Closure	Unforeseen Conditions	85		\$1,982.00
51) Added Fire Damper	Plan/Essential Scope Omissions	86		\$1,070.00
52) Added seismic Flex Connection	Unforeseen Conditions	87		\$2,850.00
53) Added Delay days negotiated	Unforeseen Conditions			\$253,266.00
54) Unused Allowance Deductive Change Order	Department Driven			(\$667.54)
TOTAL PAGE 3				\$281,003.46



STRONGHOLD ENGINEERING, INC.

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

Established 1991

February 8, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

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

Re: **COR 005 – Additional Smoke Fire Dampers in reference to RFI 043 and ACD0001**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work for the additional Smoke Fire Dampers in the 2nd Floor Cath lab. The COR breakdown is shown below that includes all scopes affected by the added Smoke Fire dampers and time impacts associated for each scope.

1.) Added Smoke Fire Dampers

- a. Furnish and Install combination fire-smoke dampers with indicator lights. – 4 Days (Lead time on materials is 4 weeks)
- b. Duct Detectors Furnished and Installed – 5 Days (Lead time is 2 weeks on equipment)
- c. Furnish, Frame and Install 5 ceiling, fire rated 24" x 24" access panels – 1 Day
- d. Conduit and Power for fire-smoke dampers and duct detectors – 10 Days

The total COR amount to complete the changes listed above is \$54,405.00.

Sincerely,

STRONGHOLD ENGINEERING, INC.

Shane Papp

Shane Papp
Project Manager

Digitally signed by Shane Papp
DN: c=US, email=Shane@stronghold.com, o=Stronghold
Engineering, Inc., ou=Project Management, CN=Shane
Papp
Reason: I am approving this document
Date: 2018.02.08 13:56:22 -0800

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 005

DESCRIPTION: Smoke Fire Dampers RFI #43 - Revised Drawings ACD #0001

PRIME CONTRACTOR'S WORK				Revisions/comments	
1.	Direct Materials				
2.	Sales Tax on Materials	7.78% of line 1	7.78%		
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			13,017	
12.	Sales Tax on Materials	0.00% 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)				\$13,017.00
19.	Overhead	10.0% of line 18	Included	10.0%	1,302
20.	Profit	5.0% of line 18+19		5.0%	716
21.	SUBTOTAL (Add Lines 18 & 19)				\$15,034.64
22.	Sub Contractor Bond Premium	0.0% of line 20	Included		
		of total change			
23.	SUBTOTAL (Add Lines 20 - 22)				\$15,035.00

Sub's Remarks:

SUB-CONTRACTOR'S WORK (HCI)				Revisions/comments	
24.	Direct Materials			13,983	
25.	Sales Tax on Materials	0.00% of line 11	Included	0.00%	-
26.	Direct Labor				-
27.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13	Included	0.0%	-
28.	Rental Equipment				-
29.	Sales Tax on Rental Equipment	0.00% of line 15	Included	0.00%	-
30.	Equipment Ownership and Operating Expenses				-
31.	SUBTOTAL (add lines 11-17)				\$13,982.78
32.	Overhead	10.0% of line 18	Included	10.0%	1,398
33.	Profit	5.0% of line 18+19		5.0%	769
34.	SUBTOTAL (Add Lines 18 & 19)				\$16,150.11
35.	Sub Contractor Bond Premium	0.0% of line 20	Included		
		of total change			
36.	SUBTOTAL (Add Lines 20 - 22)				\$16,150.00

Sub's Remarks:

SUB-CONTRACTOR'S WORK (Infinity)				Revisions/comments	
37.	Direct Materials			1,435	
38.	Sales Tax on Materials	0.00% of line 11	Included	0.00%	-
39.	Direct Labor				-
40.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13	Included	0.0%	-
41.	Rental Equipment				-
42.	Sales Tax on Rental Equipment	0.00% of line 15	Included	0.00%	-
43.	Equipment Ownership and Operating Expenses				-
44.	SUBTOTAL (add lines 11-17)				\$ 1,435.34
45.	Overhead & Profit	15.0% of line 18	Included	10.0%	215
46.	SUBTOTAL (Add Lines 18 & 19)				\$ 1,650.64
47.	Sub Contractor Bond Premium	0.0% of line 20	Included		
		of total change			
48.	SUBTOTAL (Add Lines 20 - 22)				\$ 1,651.00

Sub's Remarks:

SUB-CONTRACTOR'S WORK (SEI Electrical)				Revisions/comments	
49. Direct Materials				4,320	
50. Sales Tax on Materials	7.75% of line 11	Included	7.75%	335	
51. Direct Labor				11,402	
52. Insurance, Taxes, and Fringe Benefits	0.0% of line 13	Included	0.0%	-	
53. Rental Equipment				-	
54. Sales Tax on Rental Equipment	0.00% of line 15	Included	0.00%	-	
55. Equipment Ownership and Operating Expenses				-	
56. SUBTOTAL (add lines 11-17)					\$16,056.72
57. Overhead & Profit	15.0% of line 18	Included	10.0%	2,409	
58. SUBTOTAL (Add Lines 18 & 19)					\$18,465.23
59. Sub Contractor Bond Premium	0.0% of line 20	Included			
	of total change				
60. SUBTOTAL (Add Lines 20 - 22)					\$18,465.00

Sub's Remarks:

SUMMARY				Revisions/comments	
61. Prime Contractor's work (from line 10)				-	
62. Sub-contractor's work (from line 23)				51,301	
63. SUBTOTAL (add lines 24 & 25)					\$51,301.00
64. Prime Overhead on sub-contractor	0.0% of line 25		0.0%	-	
65. Prime's Home Office Overhead	0.0% of line 24		0.0%	-	
66. Prime's Overhead & Profit	5.0% of line 18		5.0%	2,565	
67. SUBTOTAL (add lines 26-29)					\$53,866.05
68. Prime Contractor's Bond Premium	1.000% of line 30		1.0%	539	
69. TOTAL COST (add lines 30 & 31)					\$54,405.00

Prime Contractor name: Stronghold Engineering, Inc.
 Sub-contractor name: ACCO, HCI, Infinity, SEI Electrical

Signature and title of Preparer

Date 02/08/18

VP of General Construction



**engineered
systems**

December 28th, 2017

Cam Crites
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 # 002**
Project No: **611028**
Revision: **01/17/2018**

ACCO is in receipt of shop drawing revision #1 comments dated 12/19/17 regarding the added fire smoke dampers. This results in added costs to ACCO. The added costs are as follows:

Scope of Work:

- Furnish and install combination fire-smoke dampers:
 - Qty (1) 14x14 - FSD-312
 - Qty (1) 10x10 - FSD-312
 - Qty (2) 18x20 - OFSD-312

Clarifications:

- Our proposal is based on the electrical contractor providing power to the fire smoke dampers.
- Ceiling access doors in the holding area by others.
- See attached OFSD-312 submittal for approval.

Exclusions:

- Overtime and weekend work.
- Expediting of equipment.
- Cutting/framing of ceilings or walls for installation of mechanical devices.
- Fire alarm system design, smoke detectors.
- All electrical conduit, electrical wiring and power for fire smoke dampers.

Pricing:

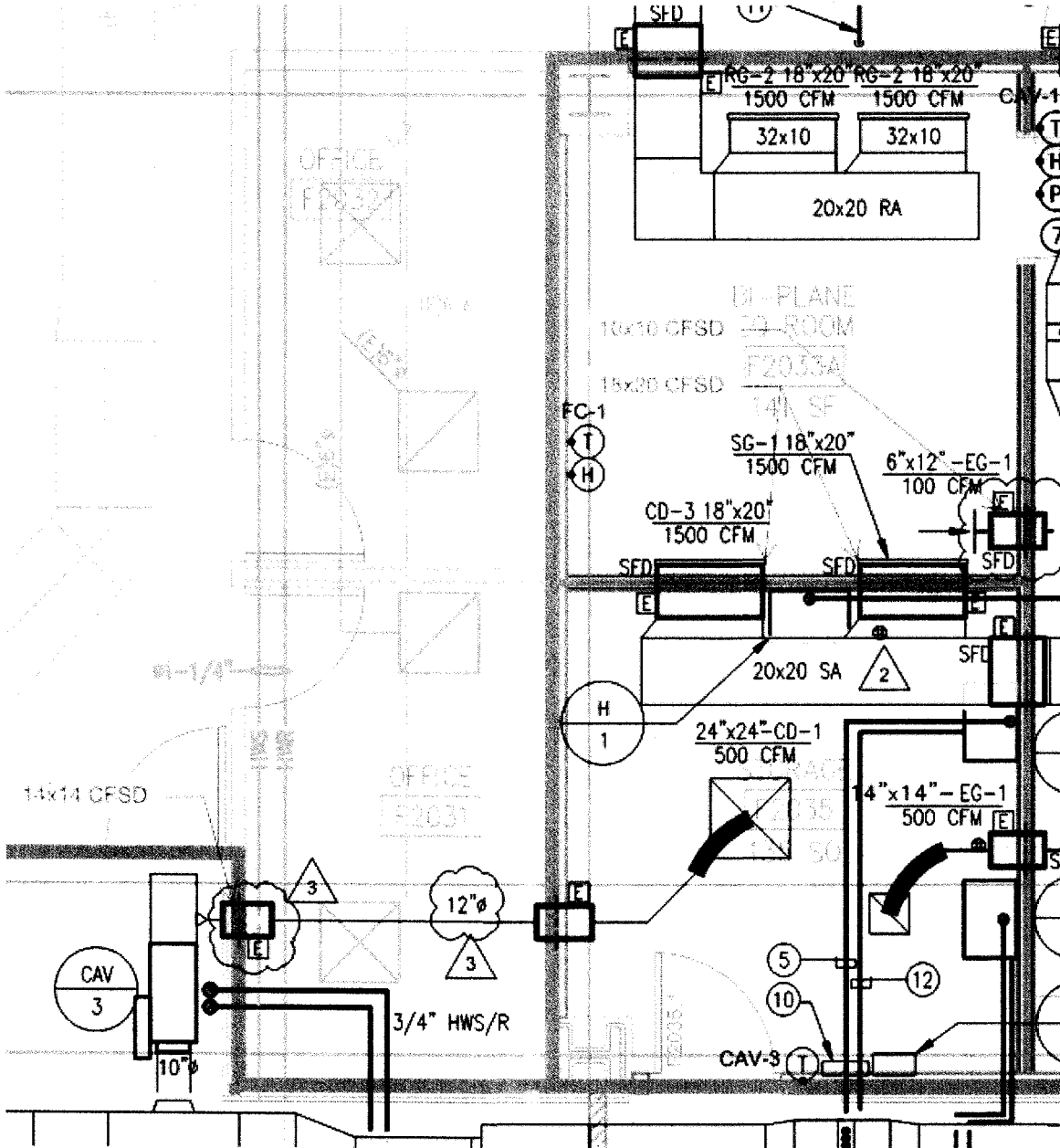
- Our proposal pricing base on the scope described above is **\$ 9,520**

Sincerely,

ACCO Engineered Systems

Austin Hargett
Project Manager

CC: Mike Gadalla





engineered systems

Extra Work Proposal Labor and Material Breakdown

ACCO Job # : 611028

Date : 12/22/2017

Job Name : RUHS Catheterization Lab Project

Extra Work Proposal # : 2

Description of work:

Per MEOR response noted in ACCO shop drawing revision #1, ACCO added five (4) fire smoke dampers. Please refer to the attached proposal for details.

Pricing Breakdown:

Equipment		\$1,710
Sheet Metal-Shop		\$231
Lining Shop		\$0
Welding Shop		\$0
Teamsters		\$614
Sheet Metal-Field		\$4,286
HVAC Piping-Shop		\$0
HVAC Piping-Field		\$0
Rigging		\$0
Systems Operations		\$424
Project Engineering / Management		\$685
Rentals		\$38
Jobsite Expenses		\$0
Misc.		\$0
Sales Tax	9.50%	\$172
Warranty Reserve		\$82
DIRECT JOB COST		\$8,242
+ Unit Pricing Costs		\$0
TOTAL COST		\$8,242
+ Overhead	10%	\$824
+ Profit	5%	\$453
Total ACCO Price		\$9,520
Subcontracts		\$0
+ Subcontracts Overhead/Profit	15%	\$0
+ Bond	0.00%	\$0
Total Extra Work Proposal Price		\$9,520

Time extension required because of labor added by this change is _____ workdays.
 This proposal is based on 68 hours of straight time and 0 hours of premium time.
 ACCO is:
 Proceeding with this work: _____ Waiting for authorization : X

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 #: 2

Job Name: RUHS Catheterization Lab Project **Job #:** 611028 **Date:** 12/22/2017

EQUIPMENT							
DESCRIPTION	QTY	Price Each			TOTAL \$		
Combination Fire/Smoke Damper -14x14 - FSD-312	1	340			\$ 340		
Combination Fire/Smoke Damper - 10x10 - FSD-312	1	340			\$ 340		
Combination Fire/Smoke Damper - 18x20 - OFSD-312	2	485			\$ 970		
Access Doors	4	15			\$ 60		
					Total:	1,710	
Sheet Metal - Shop							
	Units	Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$
Sheet Metal (Pounds)	60					39	\$ 39
SM - Fab labor		2	-	-	192	-	\$ 192
Sheet Metal ShopTotals:		2	-	-	192	39	\$ 231
Teamsters							
		Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$
Loading		3	-	-	230	-	\$ 230
Driving / Unloading		5	-	-	384	-	\$ 384
Teamsters Totals:		8	-	-	614	-	\$ 614
Sheet Metal - Field							
		Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$
Detailing		4	-	-	362	-	\$ 362
Order Material		2	-	-	181	-	\$ 181
Layout (1hr per)		4	-	-	362	-	\$ 362
Material & Handling		4	-	-	362	-	\$ 362
Install Duct		4	-	-	362	-	\$ 362
Install Accessories (4 hrs per)		16	-	-	1,447	-	\$ 1,447
Consumables / Tools						63	\$ 63
Foreman		8	-	-	756	-	\$ 756
General Foreman		4	-	-	392	-	\$ 392
Sheet Metal (Field) Totals:		46	-	-	4,223	63	\$ 4,286
SYSTEMS OPERATIONS							
		Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$
Start-Up/Testing (1 hr per)		4	-	-	424	-	\$ 424
Systems Operation Total:		4	-	-	424	-	\$ 424
PROJ ENG/PROJ MGT							
		Hrs (ST)	Hrs (OT)		Labor \$	Material \$	TOTAL \$
Design Engineer		8	-		685	-	\$ 685
Project Manager		-	-		-	-	\$ -
Project Engineer		-	-		-	-	\$ -
Proj. Engr./Mgmt. Totals:		8	-		685	-	\$ 685
OTHER COSTS							
Jobsite Expenses		TOTAL \$	Rentals			TOTAL \$	
other		-	Sheet Metal Machinery			38	
Jobsite Expenses Total:		-	Rentals Total:			\$ 38	



NORMAN S. WRIGHT
CLIMATEC
MECHANICAL EQUIPMENT

3325 E. La Palma Avenue, Anaheim, CA 92806-2815
13031 Bradley Avenue Sylmar, CA 91342-3832

tel 714.632.9800 fax 714.632.6900
tel 818.367.6100 fax 818.367.1221

Air Handlers-Air Distribution-Air Doors-Gas Chillers-Dampers/Louvers-Energy Recovery-Evap Cooling-Fans/Ventilators-Fan Coils-Gas/Smoke Detection Humidification-Infra-red Heaters-Lab Control Valves-Kitchen Ventilation-Heating and Make-up Air-Sound Attenuation-Underfloor Air Distribution-VFD-Vehicle Exhaust-Water Source Heat Pumps

Equipment Proposal

Quote # 102618

To: ACCO

Job: Riverside University Health System
Second Floor Catheterization Lab Project

Att:

Loc: Moreno Valley, CA

By: Chris Dunbar

Eng: Ewing Cole

Bid Date: 12/22/2017

Plan Date: Email 12/22/2017

NORMAN S WRIGHT CLIMATEC MECHANICAL EQUIPMENT OF SOUTHERN CALIFORNIA IS PLEASED TO OFFER THE FOLLOWING FOR YOUR CONSIDERATION

Greenheck Dampers

1	Model FSD-312 Class II combination fire smoke damper, 1½ hour rating, airfoil style blades, RRL resettable link, 16 inch sleeve length / 20 gauge sleeve thickness, retaining angles (14x14)	\$340.00
1	Model FSD-312 Class II combination fire smoke damper, 1½ hour rating, airfoil style blades, RRL resettable link, 16 inch sleeve length / 20 gauge sleeve thickness, retaining angles (20x20)	\$365.00
1	Model FSD-312 Class II combination fire smoke damper, 1½ hour rating, airfoil style blades, RRL resettable link, 16 inch sleeve length / 20 gauge sleeve thickness, retaining angles (10x10)	\$340.00
1	Model OFSD-312 Class II out of wall combination fire smoke damper, 1½ hour rating, airfoil style blades, RRL resettable link, 165 degree fusible link w/ 16 inch sleeve length / 20 gauge sleeve thickness, retaining angles (18x20)	\$485.00
1	Model OFSD-312 Class II out of wall combination fire smoke damper, 1½ hour rating, airfoil style blades, RRL resettable link, 165 degree fusible link w/ 16 inch sleeve length / 20 gauge sleeve thickness, retaining angles (18x20)	\$485.00

Note: -No bid smoke detectors and/or access doors, control panel, fire stat, remote test station, test switch, blade indicator.



F.O.B. factory / FFA

Due to recent volatility in raw material prices, unless quote is accepted within 30 days, and released for shipment within 90 days, prices are subject to change.

All quotations based on best available information and subject to the following:

Consignee is responsible for all freight claims. All prior to delivery calls are subject to a surcharge by the freight carrier. All orders entered by NSWC So Cal subject to cancellation charges. All agreements are subject to strikes, accidents, or other causes beyond our control. All quotations subject to corrections of clerical or math errors. Acceptance of each order is subject to approval of NSWC So Cal credit department, and customer acceptance of NSWC SO Cal terms of payment. Payment for partial shipment is due on the basis of invoice dates covering them. Every order is subject to any Federal, State, County, or Local Excise sales or use taxes. Quotations are for prompt acceptance only, and prices are subject to change without notice.



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

January 31st, 2018

Shane Papp
Stronghold Engineering
2000 Market Street
Riverside, CA 92501

Regarding: Riverside University Health System Riverside County
Regional Medical Center Catheterization Lab Project
Subject: Change Order # 005
Project No: 611028

As requested, cost to provide light indicator kits for all fire-smoke dampers as follows:

Scope of Work:

- Purchase, order and provide 13 light indicator kits.

Clarifications:

- Our proposal is based on the electrical contractor to install and wire the light indicator kits.
- Proposal based on RRL/OCI open close indicators and (13) GTS-3 test switches shipped loose. See attached submittal for approval.

Exclusions:

- Overtime and weekend work.
- Installing light indicator kits
- Expediting of equipment.
- Cutting/framing of ceilings or walls for installation of mechanical devices.
- Fire alarm system design, smoke detectors.
- All electrical conduit, electrical wiring and power for fire smoke dampers.

Pricing:

- Our proposal pricing base on the scope described above is **\$ 5,244**

Sincerely,

ACCO Engineered Systems

Austin Hargett
Project Manager

CC: Mike Gadalla



Extra Work Proposal Labor and Material Breakdown

ACCO Job # : 611028

Date : 1/30/2018

Job Name : RUHS Catheterization Lab Project

Extra Work Proposal # : 5

Description of work:

As requested, we asked to provide light indicator kits for all fire smoke dampers. This results in added costs to ACCO.

Pricing Breakdown:

Equipment		\$3,380
Sheet Metal-Shop		\$0
Lining Shop		\$0
Welding Shop		\$0
Teamsters		\$154
Sheet Metal-Field		\$184
HVAC Piping-Shop		\$0
HVAC Piping-Field		\$0
Rigging		\$0
Systems Operations		\$689
Project Engineering / Management		\$0
Rentals		\$0
Jobsite Expenses		\$0
Misc.		\$0
Sales Tax	9.50%	\$321
Warranty Reserve		\$47
DIRECT JOB COST		\$4,775
+ Unit Pricing Costs		\$0
TOTAL COST		\$4,775
+ Overhead	10%	\$477
+ Profit	5%	\$263
Total ACCO Price		\$5,515
Subcontracts		\$0
+ Subcontracts Overhead/Profit	15%	\$0
+ Bond	0.00%	\$0
Total Extra Work Proposal Price		\$5,515

Time extension required because of labor added by this change is _____ workdays.
 This proposal is based on _____ 11 _____ hours of straight time and _____ 0 _____ hours of premium time.
 ACCO is:
 Proceeding with this work: _____ Waiting for authorization : _____ **X** _____

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 #: 5

Job Name: RUHS Catheterization Lab Project **Job #:** 611028 **Date:** 1/30/2018

EQUIPMENT								
DESCRIPTION	QTY	Price Each			TOTAL \$			
Light indicators for all fire smoke dampers	13	260			\$ 3,380			
					\$ -			
					\$ -			
					\$ -			
Total:					3,380			
Sheet Metal - Shop								
	Units	Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$	
Sheet Metal (Pounds)	-					-	\$ -	
SM - Fab labor		-	-	-	-	-	\$ -	
Sheet Metal Shop Totals:								
		-	-	-	-	-	\$ -	
Teamsters								
		Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$	
Loading		1	-	-	77	-	\$ 77	
Driving / Unloading		1	-	-	77	-	\$ 77	
Teamsters Totals:								
		2	-	-	154	-	\$ 154	
Sheet Metal - Field								
		Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$	
Detailing		-	-	-	-	-	\$ -	
Order Material		2	-	-	181	-	\$ 181	
Layout (1hr per)		-	-	-	-	-	\$ -	
Material & Handling		-	-	-	-	-	\$ -	
Install Duct		-	-	-	-	-	\$ -	
Install Accessories (4 hrs per)		-	-	-	-	-	\$ -	
Consumables / Tools						3	\$ 3	
Foreman		-	-	-	-	-	\$ -	
General Foreman		-	-	-	-	-	\$ -	
Sheet Metal (Field) Totals:								
		2	-	-	181	3	\$ 184	
SYSTEMS OPERATIONS								
		Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$	
Start-Up assistance (1/2 hr/ ea.)		7	-	-	689	-	\$ 689	
Systems Operation Total:								
		7	-	-	689	-	\$ 689	
PROJ ENG/PROJ MGT								
		Hrs (ST)	Hrs (OT)		Labor \$	Material \$	TOTAL \$	
Design Engineer		-	-		-	-	\$ -	
Project Manager		-	-		-	-	\$ -	
Project Engineer		-	-		-	-	\$ -	
Proj. Engr./Mgmt. Totals:								
		-	-		-	-	\$ -	
OTHER COSTS								
Jobsite Expenses		TOTAL \$	Rentals			TOTAL \$		
other		-	Sheet Metal Machinery			-		
Jobsite Expenses Total:		-	Rentals Total:			\$		



NORMAN S. WRIGHT
CLIMATEC
MECHANICAL EQUIPMENT

3325 E. La Palma Avenue, Anaheim, CA 92806-2815
13031 Bradley Avenue Sylmar, CA 91342-3832

tel 714.632.9800 fax 714.632.6900
tel 818.367.6100 fax 818.367.1221

Air Handlers-Air Distribution-Air Doors-Gas Chillers-Dampers/Louvers-Energy Recovery-Evap Cooling-Fans/Ventilators-Fan Coils-Gas/Smoke Detection Humidification-Infra-red Heaters-Lab Control Valves-Kitchen Ventilation-Heating and Make-up Air-Sound Attenuation-Underfloor Air Distribution-VFD-Vehicle Exhaust-Water Source Heat Pumps

Equipment Proposal

Quote # 102618 Rev2

To: ACCO

Job: Riverside University Health System
Second Floor Catheterization Lab Project

Att:

Loc: Moreno Valley, CA

By: Chris Dunbar

Eng: Ewing Cole

Bid Date: 01/26/2018

Plan Date: Email 01/26/2018

NORMAN S WRIGHT CLIMATEC MECHANICAL EQUIPMENT OF SOUTHERN CALIFORNIA IS PLEASED TO OFFER THE FOLLOWING FOR YOUR CONSIDERATION

For (13) RRL/OCI open close indicators and (13) GTS-3 test switches shipped loose for field install, ADD → \$3,380.00

F.O.B. factory / FFA

Due to recent volatility in raw material prices, unless quote is accepted within 30 days, and released for shipment within 90 days, prices are subject to change.

All quotations based on best available information and subject to the following:

Consignee is responsible for all freight claims. All prior to delivery calls are subject to a surcharge by the freight carrier. All orders entered by NSWC So Cal subject to cancellation charges. All agreements are subject to strikes, accidents, or other causes beyond our control. All quotations subject to corrections of clerical or math errors. Acceptance of each order is subject to approval of NSW So Cal credit department, and customer acceptance of NSWC SO Cal terms of payment. Payment for partial shipment is due on the basis of invoice dates covering them. Every order is subject to any Federal, State, County, or Local Excise sales or use taxes. Quotations are for prompt acceptance only, and prices are subject to change without notice.

RRL/OCI Option

Resettable Link Option with Blade Indicator for Combination Fire Smoke Dampers

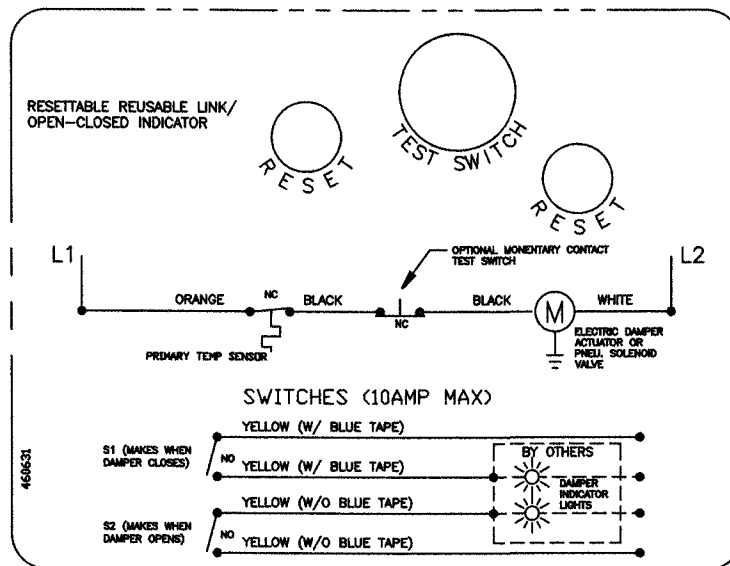
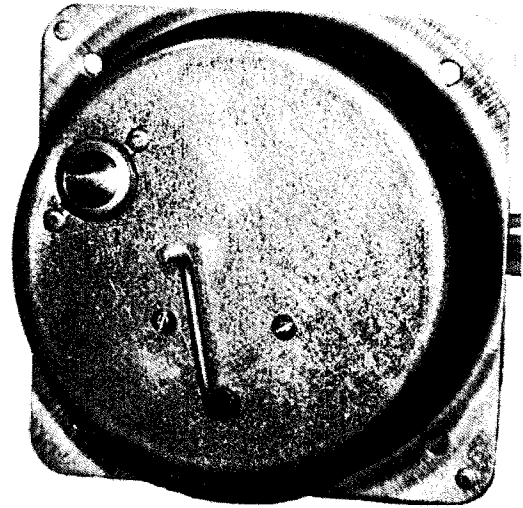
Application

The RRL/OCI option performs the function of resettable link and also open or close blade indicator. The RRL option replaces the fusible link on a combination fire smoke damper with an electric sensor (thermostat). The sensor has a fixed temperature setting (165°F, 212°F, 250°F or 350°F [74°C, 100°C, 121°C, 177°C]) and performs the same function as the fusible link that it replaces. The sensor interrupts power to the actuator and the actuator's spring return mechanism causes the damper to close. The sensor can be reset after the temperature has cooled down below the sensor set point.

Before resetting any sensor, a careful inspection of the damper and sensor should be made as exposure to actual fire conditions may render these devices unusable.

Second, the OCI assembly contains a single pole, double throw switch used to indicate damper blade position. The switch provides a positive open or closed signal when used in conjunction with remote indicator lights (furnished by others). OCI assemblies are used in active smoke control applications to positively indicate the status of all smoke and combination fire smoke dampers in the building. This single pole/single throw switch assembly may also be used to provide a start/stop control circuit for remote fan installations.

To meet UL requirements, factory installation of the damper actuator and factory wiring of the electric sensor is required. If the damper is equipped with a pneumatic actuator, an EP switch is required with an appropriate electric power circuit, to allow the electric thermostat to control the pneumatic actuator.





GREENHECK

Greenheck Test Switch GTS-1, GTS-2, GTS-3, & GTS-4

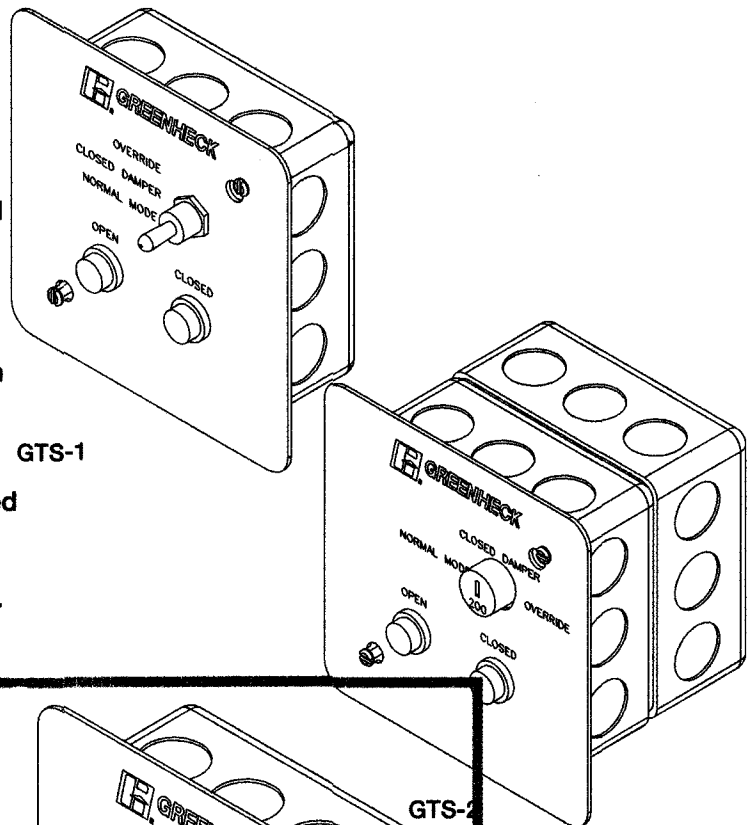
Greenheck Test Switches (GTS-1, GTS-2, GTS-3, and GTS-4) are used in dynamic smoke management systems containing Combination Fire Smoke Dampers.

The GTS-1 and GTS-2 is a single control panel for use in dynamic smoke management systems to be used on combination fire smoke dampers equipped with TOR.

The GTS-1 control panel has red indicator light for closed damper, green for open damper. GTS-2 has a key switch with red indicator light for closed damper, green for open damper. The LED lights are replaceable.

The GTS-1 and GTS-2 has a three position control switch with the following options:

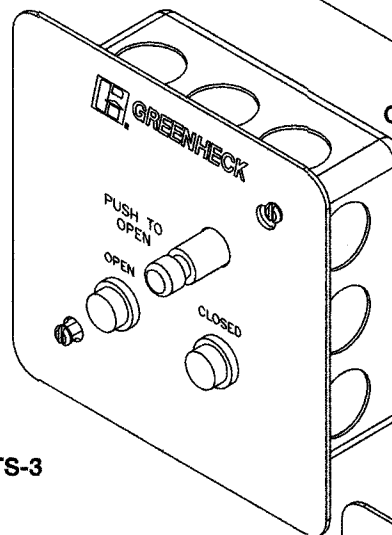
- *Normal position* - The combination fire smoke damper remains open until closed by elevated temperature.
- *Closed position* - The damper closes and remains closed regardless of any sensor signal.
- *Override position* - The damper opens and remains open until any limit sensor signals the damper to close.



GTS-1

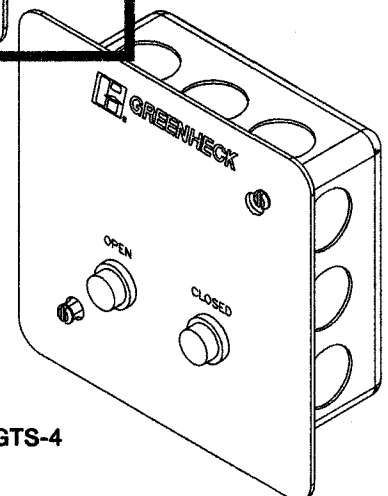
GTS-2

The GTS-3 is a control panel that can be used on combination fire smoke dampers with RRL/OCI, OCI or TOR. This test switch has open and close indicator lights with momentary test switch.



GTS-3

The GTS-4 is a control panel that can be used with combination fire smoke dampers with RRL/OCI, OCI or TOR. This test switch has open and close indicator lights.



GTS-4

The GTS-1, GTS-3 and GTS-4 is available ship loose or factory mounted. GTS-2 is only available ship loose.



DATE: 01.09.17
CUSTOMER C.O. #: CO-002
PROJECT #: 7-5478-1
PROJECT NAME: CATHETERIZATION LABORATORY
DESCRIPTION: This change order is provided at there request of Stronghold Engineering for the addition of fire alarm equipment per Change Order #1 H.C. drawings dated 12.28.17. All work is to be performed during regular business hours. Overtime to complete work is excluded. Prevailing wage rates are included. All necessary conduit and boxes shall be provided by others. Duct detectors shall be furnished by HCI and installed by others. Drilling of duct work shall be provided by others. All necessary infection control requirements shall be provided by others. No updated schedule was provided to HCI at the time of this proposal. Plan check, permit and inspection fees shall be provided by others. Revised drawings shall be provided by the engineer of record. Submittal of drawings to OSHPD is excluded.

ESTIMATOR: ANDREW FAHRENHORST
REFERENCE: CHANGE ORDER #1 H.C.
 DATED 12.28.17

SUMMARY PAGE

ITEMIZED COSTS:		COST
WIRE TOTAL (FROM PAGE 2)		\$189.00
EQUIPMENT TOTAL (FROM PAGE 2)		\$6,224.92
RENTAL EQUIPMENT		
TOOLS & MISC SAFETY EQUIPMENT		
SHIPPING & HANDLING		\$239.49
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		\$6,721.91

ITEMIZED LABOR:	LABOR RATE	LABOR HOURS	LABOR COST
MATERIAL HANDLING	\$62.80	1.50	\$94.20
CONSTRUCTION LABOR (FROM PAGE 2)	\$78.50	63.20	\$4,961.20
FOREMAN	\$98.13	2.00	\$196.25
SUPERINTENDENT			
PROGRAMMING	\$117.75	10.75	\$1,265.81
ENGINEERING / CAD / SUBMITTALS			
PROJECT MANAGEMENT			
TOTAL LABOR		77.45	\$6,517.46

TAXES:	RATE	
MATERIAL TAXES	9.000%	\$604.97
TOTAL TAXES		\$604.97

COSTS:		
SUBTOTAL COST		\$13,844.34
SMALL TOOLS & CONSUMABLES		
WARRANTY RESERVE	1.00%	\$138.44
TOTAL COST		\$13,982.78
OVERHEAD	10.00%	\$1,398.28
PROFIT	5.00%	\$769.05
SUB TOTAL		\$16,150.12
Liability Insurance		
TOTAL SALES PRICE		\$16,150.12



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 • Hayward • Fresno • Sacramento

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

DATE: 01.09.17 **ESTIMATOR:** ANDREW FAHRENHORST
CUSTOMER C.O. #: CO-002 **REFERENCE:** CHANGE ORDER #1 H.C.
PROJECT #: 7-5478-1 **DATED:** 12.28.17
PROJECT NAME: CATHETERIZATION LABORATORY
DESCRIPTION: This change order is provided at there request of Stronghold Engineering for the addition of fire alarm equipment per Change Order #1 H.C. drawings dated 12.28.17. All work is to be performed during regular business hours. Overtime to complete work is excluded. Prevailing wage rates are included. All necessary conduit and boxes shall be provided by others. Duct detectors shall be furnished by HCI and installed by others. Drilling of duct work shall be provided by others. All necessary infection control requirements shall be provided by others. No updated schedule was provided to HCI at the time of this proposal. Plan check, permit and inspection fees shall be provided by others. Revised drawings shall be provided by the engineer of record. Submittal of drawings to OSHPD is excluded.

LABOR & MATERIAL DETAIL SHEET

WIRE TYPE	QTY 1000'S	HOURS / M	TOTAL HOURS	MATERIAL COST / M	EXT. WIRE COST
2C #18 AWG TP FPL (SLC DATA)	1.000	17.00	17.00	\$ 189.00	\$189.00
WIRE TOTAL:		HOURS:	17.00	COST:	\$189.00

EQUIPMENT	QTY	HOURS	TOTAL	COST	EXT. COST
DUCT SMOKE DETECTOR	13	0.58	7.54	\$ 132.46	\$1,721.98
ADDRESSABLE DUCT DETECTOR	13	0.58	7.54	\$ 150.36	\$1,954.68
REMOTE ANNUNCIATOR	13	0.58	7.54	\$ 23.78	\$309.14
SUPERVISED CONTROL RELAY	13	0.58	7.54	\$ 150.26	\$1,953.38
CONTROL RELAY	13	0.58	7.54	\$ 21.98	\$285.74
EQUIPMENT TOTAL:		HOURS:	37.70	COST:	\$6,224.92

DEVICE LABOR HOURS	37.70
WIRE LABOR HOURS	17.00
ADDITIONAL CONSTRUCTION LABOR HOURS	
DEMOLITION HOURS	
TESTING/INSPECTION HOURS	8.50
CONSTRUCTION LABOR:	63.20

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

02/02/18



Attention: Camille Crites
Project: Riverside Medical Cath Lab
Reference: ACD0001 Access Panels
Infinity COR#: 008

Furnish labor and material to purchase and install 5 ceiling, fire rated, 24" x 24" access panels to allow ceiling access to the 5 new mechanical fire dampers. Cost also includes time to frame openings in the ceiling.

Description	Quantity	Unit	Cost	Total
LABOR				
Lather / Carpenter	8	Hours	\$75.54	\$604.35
Total Labor:				\$604.35
MATERIAL				
24" Ceiling Access Panel	5	Each	\$122.65	\$613.25
1-1/2" 20ga Framing Angle	50	lf	\$0.41	\$20.30
Misc. Materials	1	Each	\$32.50	\$32.50
Delivery/Stock	1	Each	\$105.00	\$105.00
Subtotal Material:				\$771.05
Material Tax			9.00%	\$59.94
Total Materials:				\$830.99
			Subtotal:	\$1,435.34
			15%Overhead & Profit:	\$215.30
			Subtotal:	\$1,650.64
			TOTAL:	\$1,650.64

The total for the above changes will be an ADD of: **\$1,651**

Respectfully,
Infinity DW Contracting, Inc.

Project Manager
Jason Hernandez



STRONGHOLD ENGINEERING INC.

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

Attn: Shane Papp Date: 1/24/2018
Project: RUSH Emergency BI-Plane Cardiac Catherization Lab SEI # 3
Project No.FM 0843-000-7374 Customer RFI # 043
Subject: Conduit for both Added Fire Smoke and Duct Damper Detectors Per RFI-043

Status: **On Hold Pending Formal Authorization**

Gentlemen

Please find attached our Cost Breakdown, Recap & Back-up in the Amount of \$18,465.24 Dollars for the following electrical revisions:

Conduit for both Added Fire Smoke and Duct Damper Detectors Per RFI-043

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.

This proposal is valid for (10) calendar days from the above date and void thereafter. **All work affected by either the acceptance or rejection of the enclosed request for quote is on hold pending notification.**

EXCLUSIONS:

1. Fire Alarm Proposal
2. Furnishing & Installation of all Detector
3. Low Voltage Wiring and Terminations
4. This proposal is based solely on the scope as indicated in the subject documents and includes direct costs for labor, material, and equipment only.
5. Overtime Labor Cost
6. Cutting, Patching & Painting
7. All of Stronghold Engineering Inc. base contract exclusions shall apply
8. We reserve the right to correct this quote for errors and omissions
9. **We require a time extension of 10-Days.**

BY:

Robert Martinez / Electrical Project Manger



Change Request Form

Project No.: **17-008**
Project Name: **RUSH Emergency Bi-Plane Cardiac Catherization Lab**
Date Requested: _____ Date Submitted: **1/24/2018**

Description of Change: **Conduit for both added fire smoke and duct dampers Per RFI-043**

1	Material						4,319.90
2	Sales Tax on Material		7.750%				334.79
3	Labor Costs						11,402.03
4	Freight						
5	Equipment and Major Tools				Days @150.00Per Day		
6	Gas and Oil						
7	Other Direct Costs		Parking / Day		days		
8	Insurance						
9	Other:						
10	Truck @	\$50.00 /Day			Days		
11	Permit Fee						
12	Sub-Total:						16,056.73
13	Overhead:						
14	Sub-Total:						16,056.73
15	Mark-Up:		15.0%				2,408.51
16	Total Sub-Contract:						18,465.24
17	Sub-Contract Proposal						
18	Sub-Contract Mark-Up & Overhead		5.0%			If Applies	
20	Sub-Total:						18,465.24
21	Bond Premium						
22	Total Price of This Change Proposal						\$18,465.24
23	(OCCIP) Value is						
24	Extension of time due to this Change is:		Unknown		Days or Deferred **		
25	This proposal is based on:		St. Time	O. Time	Shift		
26	This proposal is subject to upward escalation unless notice to proceed is						
	received by				{20 C. Days if no date shown}		
27	Extended Overhead Cost		Included		Deferred **		

** If Deferred, cover letter will describe

Submitted by:  Electrical Project Manager Date **1/24/2018**
Signature: **Robert Martinez** 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 inclusive of an equitable and compensable contract extension requested herein. Notwithstanding, the right is hereby clearly and expressly reserved to make claim for any and all impacts, restraints and related items of cost prior to any final settlement of this contract.



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 *	_____	135.40	
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}		{3}	

* Estimated

{4} Electrician		135.40	Hrs. @	\$72.90	9,870.66
{5} Foreman	15%	20.31	Hrs. @	\$75.40	1,531.37
{6}		_____	Hrs. @	_____	_____
{7}		_____	Hrs. @	_____	_____
{8}		_____	Hrs. @	_____	_____
{9}		_____	Hrs. @	_____	_____
{10} Other: _____		_____	Hrs. @	_____	_____
{11}		_____			_____
{12} Total Direct Labor (Lines 4 - 11)		<u>155.71</u>	Hrs.		11,402.03
{13} Small Tools @ 3%					NA
{14} Total Labor (Lines 12+13)					\$11,402.03



Change Request Form

Labor Summary

Hourly Rates

Job Description	Base Rate	Payroll Tax Insurance Fringes	Wage, Tax & Fringe Escalation	Other	Total Hourly Rate
Electrician	\$72.90				72.90
Foreman	\$75.40				75.40
Other:					

1. Electrician	<u>131.40</u>	Hrs.
2. Nonproductive Travel	<u> </u>	Hrs.
3. Remobilization Hours	<u> </u>	Hrs.
4. Material Handling	<u>2.00</u>	Hrs.
5. Punch and Demo	<u> </u>	Hrs.
6. Safety Training	<u> </u>	Hrs.
7. Clean Up	<u>2.00</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	<u>135.40</u>	

Takeoff Sheet

Project No.: 17-008

RFC# : 043

U = E for Each, C for 100, M f **Project Name:** USH Emergency Bi-Plane Cardiac Catherization La

Item	Description	Qty	Mat Price	U	Labor	U	Total Mat(\$)	Total Hours
1	One Lot Material	1	\$4,319.90	E	131.40	E	\$4,319.90	131.40
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
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16								
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26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								

Totals

4,319.90	131.40
-----------------	---------------



STRONGHOLD ENGINEERING, INC.

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

OSHPD REVIEW REQUIRED:			
	YES	NO	SIGNATURE
OSE	<input type="checkbox"/>	<input type="checkbox"/>	
PLSD	<input type="checkbox"/>	<input type="checkbox"/>	
ALCO	<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.: 043

DATE: 12/11/2017

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

REFERENCE: Smoke Fire Dampers; Sheet M2.2 and FA-2

LOCATION: 2ND Floor Cath Lab

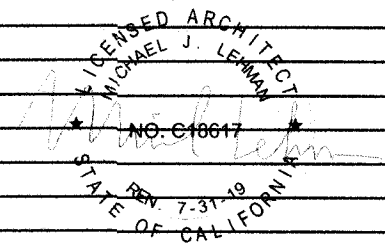
DESCRIPTION:

Plan Sheet M2.2 shows approximately 10 Smoke Fire Dampers being installed. Plan Sheet FA-2 does not show fire alarm/smoke detectors being installed for the new Smoke Fire Dampers. Per Code Section CBC-717.3.3.2 the smoke damper shall close upon actuation of a listed smoke detector or detectors installed in accordance with section 907.3 and one of the following methods attached:

SCHEDULE IMPACT Depending on Response FINANCIAL IMPACT Depending on Response ATTACHMENTS

RESPONSE NEEDED BY: DATE: 12/18/2017

REPLY: Fire Alarm drawings will be revised to show fire alarm/smoke detectors at FSD locations. This will be reviewed and approved by OSHPD.



(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 # 043

717.3.3.2 Smoke damper actuation. The smoke damper shall close upon actuation of a listed smoke detector or detectors installed in accordance with Section 907.3 and one of the following methods, as applicable:

1. Where a smoke damper is installed within a duct, a smoke detector shall be installed inside the duct or outside the duct with sampling tubes protruding into the duct. The detector or tubes within the duct shall be within 5 feet (1524 mm) of the damper. Air outlets and inlets shall not be located between the detector or tubes and the damper. The detector shall be listed for the air velocity, temperature and humidity anticipated at the point where it is installed. Other than in mechanical smoke control systems, dampers shall be closed upon fan shutdown where local smoke detectors require a minimum velocity to operate.
2. Where a smoke damper is installed above smoke barrier doors in a smoke barrier, a spot-type detector shall be installed on either side of the smoke barrier door opening. The detector shall be listed for releasing service if used for direct interface with the damper.
3. Where a smoke damper is installed within an air transfer opening in a wall, a spot-type detector shall be installed within 5 feet (1524 mm) horizontally of the damper. The detector shall be listed for releasing service if used for direct interface with the damper.
4. Where a smoke damper is installed in a corridor wall or ceiling, the damper shall be permitted to be controlled by a smoke detection system installed in the corridor.
5. Where a smoke detection system is installed in all areas served by the duct in which the damper will be located, the smoke dampers shall be permitted to be controlled by the smoke detection system.

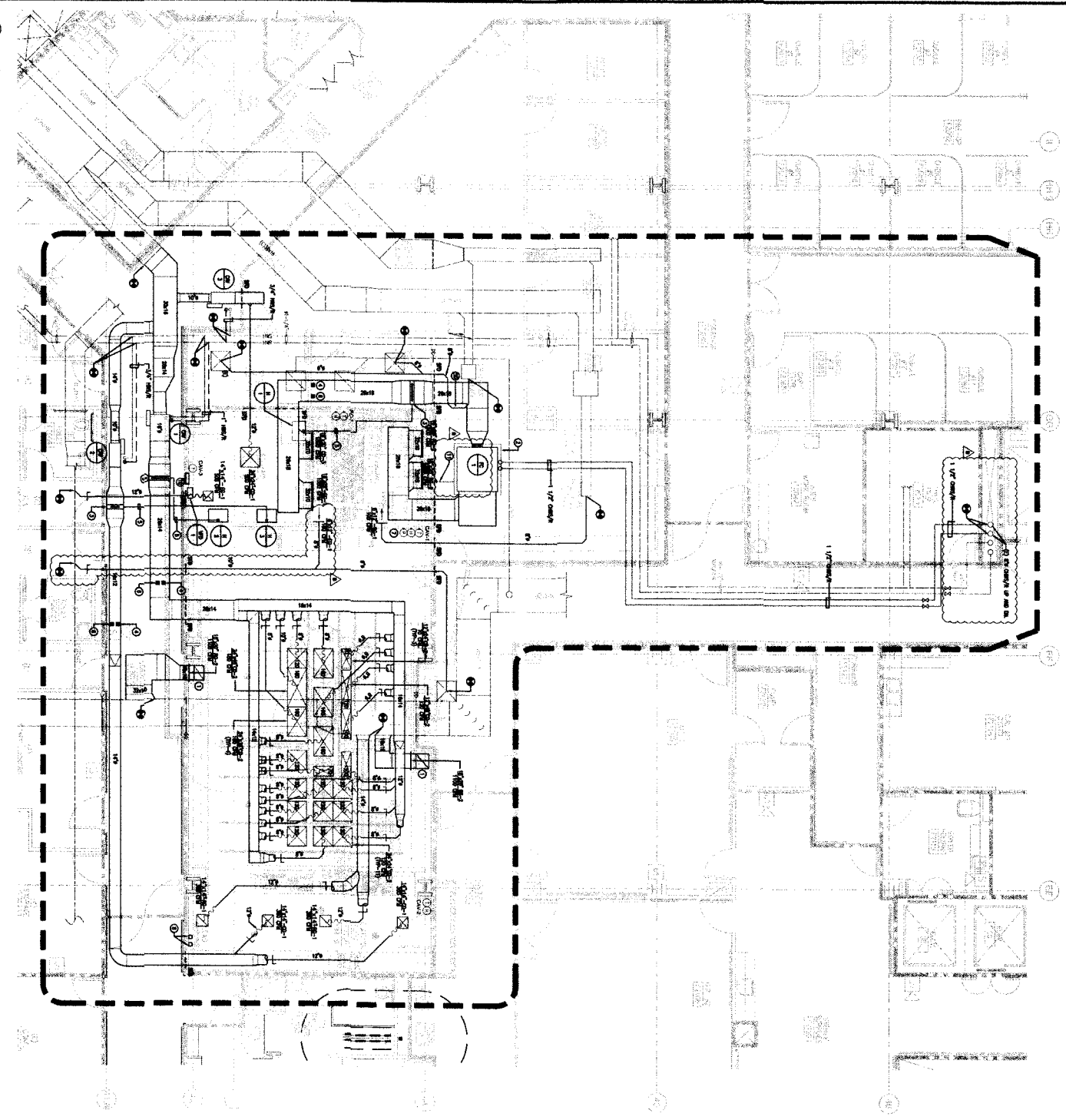
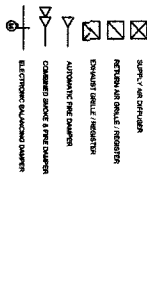
GENERAL NOTES

1. NOTIFY ALL CONTRACTORS PRIOR TO COMMENCEMENT OF WORK.
2. NOTIFY FACILITY ENGINEER OF ANY INTERFERENCES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCEMENT OF ANY WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING UTILITIES AND EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT AND TO REPAIR OR REPLACE ANY EQUIPMENT DAMAGED BY THE WORK.
5. LOCATE AND MARK ALL EXISTING UTILITIES, EQUIPMENT, AND STRUCTURES PRIOR TO COMMENCEMENT OF WORK.
6. LOCATE AND MARK ALL EXISTING UTILITIES, EQUIPMENT, AND STRUCTURES PRIOR TO COMMENCEMENT OF WORK.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING UTILITIES AND EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT AND TO REPAIR OR REPLACE ANY EQUIPMENT DAMAGED BY THE WORK.
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING UTILITIES AND EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT AND TO REPAIR OR REPLACE ANY EQUIPMENT DAMAGED BY THE WORK.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING UTILITIES AND EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT AND TO REPAIR OR REPLACE ANY EQUIPMENT DAMAGED BY THE WORK.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING UTILITIES AND EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT AND TO REPAIR OR REPLACE ANY EQUIPMENT DAMAGED BY THE WORK.
11. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING UTILITIES AND EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT AND TO REPAIR OR REPLACE ANY EQUIPMENT DAMAGED BY THE WORK.
12. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING UTILITIES AND EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT AND TO REPAIR OR REPLACE ANY EQUIPMENT DAMAGED BY THE WORK.

NOTES

1. IN THE RETURN AND DOWNSTREAM ENCLOSED BY THE SHOWER ROOM FLOOR.
2. PROVIDE THE LOCAL UNIT WITH RECOVERY DRAIN PAN. SEE ELECTRICAL.
3. PROVIDE THE LOCAL UNIT WITH RECOVERY DRAIN PAN. SEE ELECTRICAL.
4. PROVIDE THE LOCAL UNIT WITH RECOVERY DRAIN PAN. SEE ELECTRICAL.
5. PROVIDE THE LOCAL UNIT WITH RECOVERY DRAIN PAN. SEE ELECTRICAL.
6. PROVIDE THE LOCAL UNIT WITH RECOVERY DRAIN PAN. SEE ELECTRICAL.
7. PROVIDE THE LOCAL UNIT WITH RECOVERY DRAIN PAN. SEE ELECTRICAL.
8. PROVIDE THE LOCAL UNIT WITH RECOVERY DRAIN PAN. SEE ELECTRICAL.
9. PROVIDE THE LOCAL UNIT WITH RECOVERY DRAIN PAN. SEE ELECTRICAL.
10. PROVIDE THE LOCAL UNIT WITH RECOVERY DRAIN PAN. SEE ELECTRICAL.
11. PROVIDE THE LOCAL UNIT WITH RECOVERY DRAIN PAN. SEE ELECTRICAL.
12. PROVIDE THE LOCAL UNIT WITH RECOVERY DRAIN PAN. SEE ELECTRICAL.

LEGEND



SECOND FLOOR MECHANICAL REMODEL PLAN

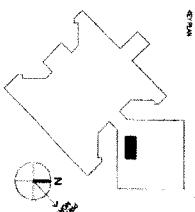
EWING COLLI

15211 Cedar Canyon Blvd. Suite 100
Dallas, TX 75244
Tel: 972-412-9991 Fax: 972-412-9992



APPROVED
MARK S. YEH
Professional Engineer
No. 15211 Cedar Canyon Blvd., Suite 100
Dallas, TX 75244

CONTRACT PROJECT # 15211 CEDAR CANYON BLVD. REMODEL



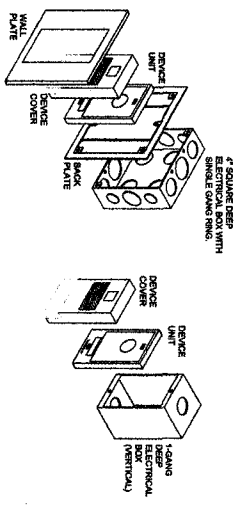
APPROVED
ROBERT J. SMITH
Professional Engineer
No. 15211 Cedar Canyon Blvd., Suite 100
Dallas, TX 75244

NO. 15211 CEDAR CANYON BLVD. REMODEL	DATE: 08/15/2011
PROJECT NO. 15211 CEDAR CANYON BLVD. REMODEL	SCALE: AS SHOWN
DESIGNED BY: [Name]	DATE: 08/15/2011
DRAWN BY: [Name]	DATE: 08/15/2011
CHECKED BY: [Name]	DATE: 08/15/2011
APPROVED BY: [Name]	DATE: 08/15/2011

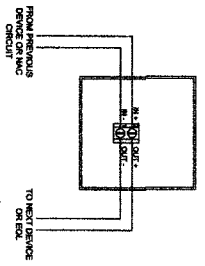


RIVERSLIDE UNIVERSITY HEALTH SYSTEM
2001 DALLAS AVE
MCKENZIE VALLEY CAMPUS

CONTRACTOR: [Name]
PROJECT: [Name]
DATE: 08/15/2011



GENESIS WALL MOUNT: G1 SERIES



GENESIS CHIMESTROBE: G1-CVM

USE: # OF CONDUCTORS, TYPE, SIZE, MANUFACTURER

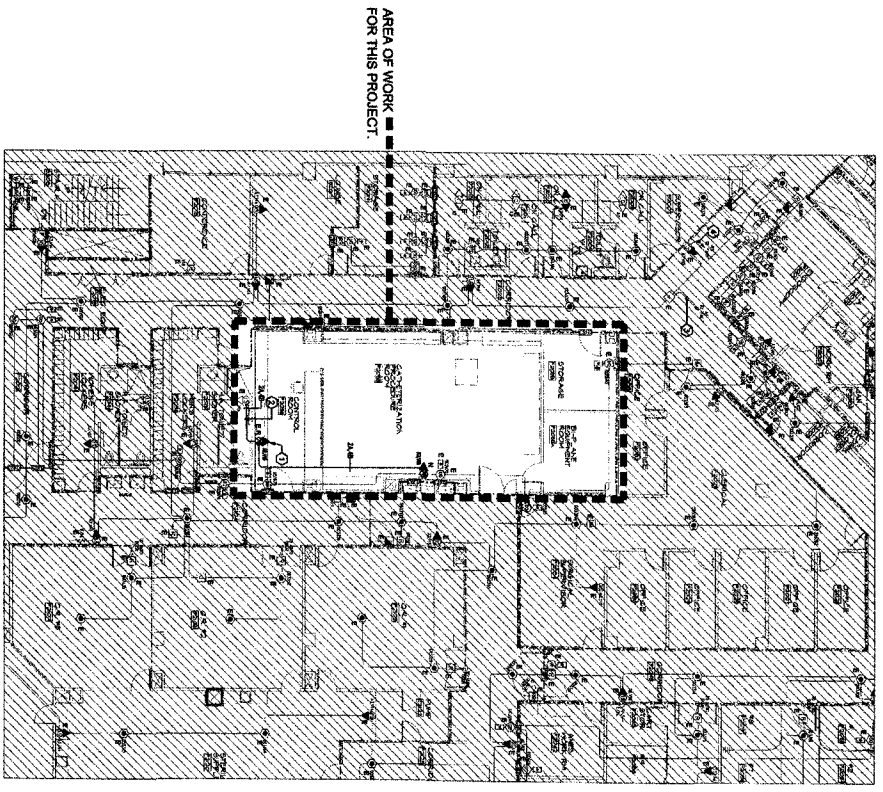
DESCRIPTION	TYPE	SIZE	MANUFACTURER
A. SIGNAL CONDUCTORS	THHN	14 AWG	TYCS
B. SIGNAL GROUND CONDUCTOR	THHN	14 AWG	TYCS

ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

CABLE LEGEND

SPECIFIC NOTES

- ① - CONSULT DEVICE TO BE INSTALLED, MANUFACTURER AND SPECIFICATIONS FOR COMPATIBLE WIRE SIZE.
 - ② - THE NEW APPROVALS REQUIRED TO PERFORM ANY WORK WITH LIVE ELECTRICAL CIRCUITS SHALL BE OBTAINED FROM THE LOCAL ELECTRICAL INSPECTION DEPARTMENT.
 - ③ - ALARM CIRCUITRY TO EXISTING FIRE ALARM CONTROL PANEL, SEE PANEL.
 - ④ - LOCATION ON THE WALL (SEE PANEL).
 - ⑤ - VISUAL INDICATOR TO EXISTING FIRE ALARM CONTROL PANEL, SEE PANEL.
- NOTES:
- ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.
 - ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
 - ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
 - ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
 - ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.



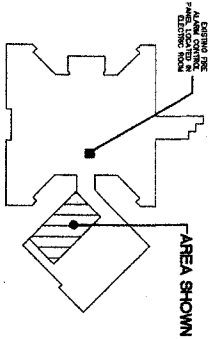
AREA OF WORK FOR THIS PROJECT.

PARTIAL SECOND FLOOR PLAN

1/8" = 1'-0"



KEY PLAN



WALL TYPE LEGEND

WALL TYPE LEGEND

ONE HOUR RATED WALL

* ALL WALLS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

RISER DIAGRAM



Facility ID: # 15007

RIVERSIDE COUNTY REGIONAL MEDICAL CENTER

26520 CACTUS AVE
MORENO VALLEY, CA 92555

CATHETERIZATION LABORATORY RENOVATION FIRE ALARM DEVICE ADDITION

Contract No.	CE
Title No.	521
Scale	AS NOTED
Date	7.18.13
Project Name	CATHETERIZATION LABORATORY RENOVATION FIRE ALARM DEVICE ADDITION

FA-2

OF 2 SHEETS

TRL System

When Reliability Counts

8500 E. Baseline Avenue, Suite 1000
Denver, Colorado 80231
Phone: 303.751.1000 Fax: 303.751.1001
www.trlsystem.com

© 2013 TRL System, Inc. All Rights Reserved.

Professional Engineer Seal for the State of California, No. 15123, dated 12/15/11.

CONTRACT TITLE: RUH8 2nd Floor Cath Lab

CONTRACT NO: 0843-000-7374

TO: Mike Wickham - Kitchell

COR 023

DESCRIPTION: RFI 113 and 127 1st Floor Added Steel

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 (Evans)				Revisions/comments	
11. Direct Materials			14,830		
12. Sales Tax on Materials	0.00% 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)				\$ 14,830.00	
19. Overhead	15.0% of line 18 Included	15.0%	2,225		
20. Profit	0.0% of line 18+19	0.0%	-		
20. SUBTOTAL (Add Lines 18 & 19)				\$ 17,054.50	
21. Sub Contractor Bond Premium	0.0% of line 20 Included				
22. of total change					
23. SUBTOTAL (Add Lines 20 - 22)				\$ 17,055.00	

Sub's Remarks:

SUMMARY				Revisions/comments	
24. Prime Contractor's work (from line 10)					
25. Sub-contractor's work (from line 23)			17,055		
26. SUBTOTAL (add lines 24 & 25)				\$ 17,055.00	
27. Prime Overhead on sub-contractor	5.0% of line 25	5.0%	853		
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)				\$ 17,907.75	
31. Prime Contractor's Bond Premium	1.000% of line 30	1.0%	179		
32. TOTAL COST (add lines 30 & 31)				\$ 18,087.00	

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

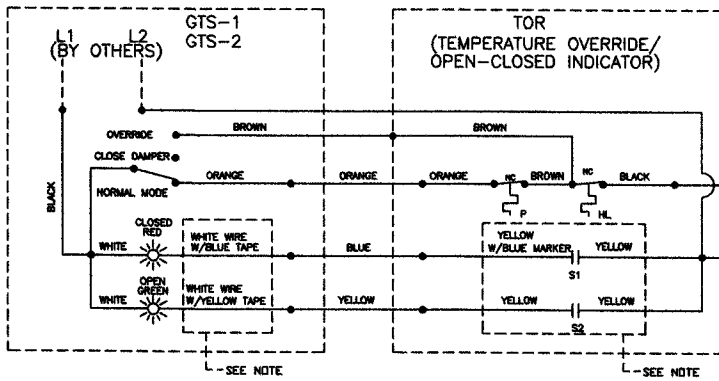
Signature and title of Preparer

Date 05/08/18

Project Manager

Wiring Diagrams

GTS-1 & GTS-2

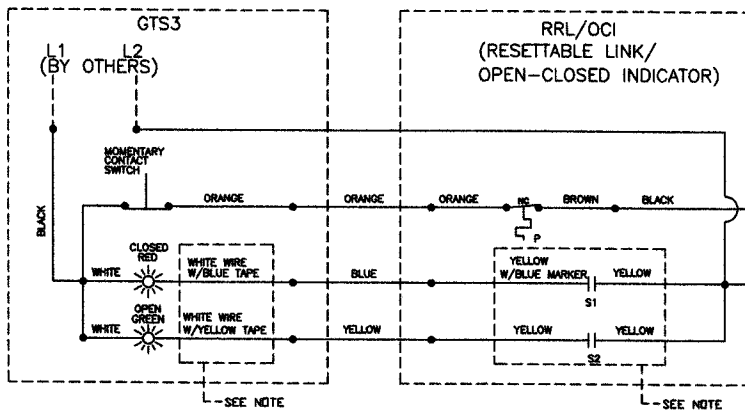


ELECTRICAL CAPACITY = 10AMP , 24/120 VAC

HL= HIGH LIMIT SENSOR
P = PRIMARY TEMP SENSOR
S1 = DAMPER POSITION INDICATION SWITCH, CLOSED WHEN DAMPER IS CLOSED.
S2 = DAMPER POSITION INDICATION SWITCH, CLOSED WHEN DAMPER IS OPEN

NOTE:
THE SWITCH WIRES WRAPPED WITH A BLUE TAPE MARKER INDICATE THE CLOSED POSITION OF THE DAMPER.
WHITE LIGHT WIRES ARE MARKED WITH BLUE AND YELLOW TAPE.

GTS-3

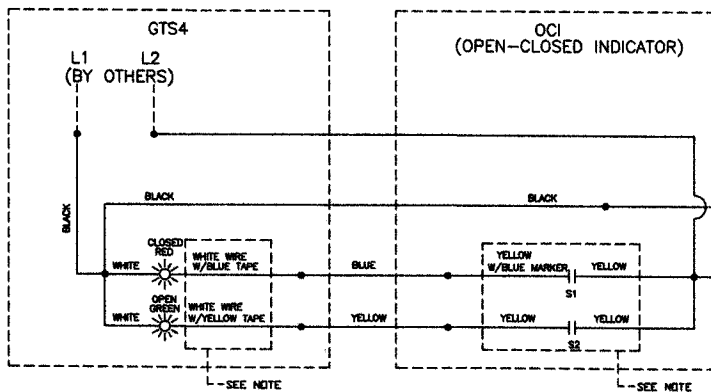


ELECTRICAL CAPACITY = 10AMP , 24/120 VAC

P = PRIMARY TEMP SENSOR
S1 = DAMPER POSITION INDICATION SWITCH, CLOSED WHEN DAMPER IS CLOSED.
S2 = DAMPER POSITION INDICATION SWITCH, CLOSED WHEN DAMPER IS OPEN

NOTE:
THE SWITCH WIRES WRAPPED WITH A BLUE TAPE MARKER INDICATE THE CLOSED POSITION OF THE DAMPER.
WHITE LIGHT WIRES ARE MARKED WITH BLUE AND YELLOW TAPE.

GTS-4



ELECTRICAL CAPACITY = 10AMP , 24/120 VAC

NOTE:
THE SWITCH WIRES WRAPPED WITH A BLUE TAPE MARKER INDICATE THE CLOSED POSITION OF THE DAMPER.
WHITE LIGHT WIRES ARE MARKED WITH BLUE AND YELLOW TAPE.



Copyright © 2013 Greenheck Fan Corporation
GTS-1, 2, 3, & 4 rev. 9 November 2013



22815 Frampton Ave.
Torrance, CA 90501

TELEPHONE: (888) 311-1341
FACSIMILE: (310) 317-7773

www.evans-industrial.com



April 9, 2018

Stronghold Engineering

Proposal# 1753-455, 17008 RUHS Cath Lab: CO #4, RFI 113, Add ½" diameter Hilti Anchors KB T2
Attn: Camille Crites

In accordance with your request we are pleased to submit the following Lump Sum proposal. We propose to furnish labor, structural steel members, equipment, including taxes, insurance, expense items and necessary supervision to perform the following scope of work; **Scope of Work Detailed Below:**

Our proposal is based upon on the following parameters:

RUHS Bi-Plane Catheterization Lab Project: Add approximately 12 Hilti KB T2 Anchors, minimum 3 feet on centers per CPS-15 & 16

- Project is based on Prevailing Wage
- Crew Size 1 Superintendent, 1 Journeyman
- Anchors will be spaced a minimum of 3 feet on center in the 4 angles on CPS 15 & 16, referred to in RFI 113
- Assumes 110V Power is accessible for use.
- Includes Purchase of Structural Steel Members on the above-mentioned drawing
 - **½" diameter Hilti KBT2 Anchors with 3 ¾" Embedment**

We have not included the following items in our estimated budget:

- Any Engineering requirements, or design change.
- Inspection.

Total Lump Sum Quote for CO 4, RFI 113: \$3,373

Labor: \$2,828

Equipment: \$120

Materials: \$425

Costs Break Down is Included on a Separate Sheet

Terms & Pricing:

- This proposal is valid for 30 days; Terms of payments are net 30 upon received of EII invoicing.

We appreciate the opportunity to work with you on this project. If there are any questions regarding this information or if we can be of further service, please call directly the undersigned below.

Evans Industrial Inc.

Best regards,

Herschel Evans

(310) 850-6020

Evans Industrial, Inc.

4/9/2018

Costs Break down for 17008 RUHS Cath Lab: CO # 4, RFI 113 Add 1/2" Hilti KBT2 Anchors

Labor For Change Order #4, RFI 113, Add 1/2" - Hilti KB T2 Embedded Anchors, per CPS-15 & CPS-16

Craft	Hours	\$ / Hour	Total Billing
Supervisor	12	\$120.25	\$1,443
Journeyman Layout	12	\$115.45	\$1,385
Welders	0	\$103.94	\$0
Welder Helper	0	\$74.08	\$0
Total Labor for CO #3			\$2,828

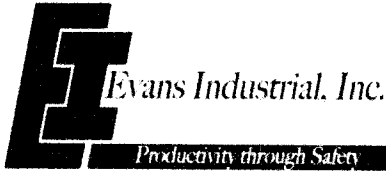
Materials, Includes Delivery and Taxes

12 Hilti KB T2 Anchors	\$300
Delivery	\$125
Total Materials	\$425

Equipment, Includes Delivery, Rentals and Taxes

Consumables and Safety	\$0
Tool Trailer	\$0
3 Welding Machines	\$0
Air Movers & Smoke Collectors	\$0
Lower Explosive Level Monitors	\$0
2 Scissor Lifts	\$120
Total Equipment	\$120

Total Change Order #4, RFI 113, Hilti Anchors \$3,373



22815 Frampton Ave.
Torrance, CA 90501

TELEPHONE: (888) 311-1341
FACSIMILE: (310) 317-7773

www.evans-industrial.com



May 3, 2018

Stronghold Engineering

Proposal# 1753-455, 17008 RUHS Cath Lab: CO #6, RFI 127, Material Changes and dimensional changes CPS-18 and CPS-19

Attn: Camille Crites

In accordance with your request we are pleased to submit the following Lump Sum proposal. We propose to furnish labor, structural steel members, equipment, including taxes, insurance, expense items and necessary supervision to perform the following scope of work; **Scope of Work Detailed Below:**

Our proposal is based upon on the following parameters:

RUHS Bi-Plane Catheterization Lab Project: Change 6X6X3/4 TO 8X6X3/4 and change spacing to 29"

- Project is based on Prevailing Wage
- Crew Size 1 Superintendent, 1 Journeyman, 1 Helper
- Material will be order and the welding fabrication will be completed on site
- Installation of both structural steel units in the first floor ceiling costs in unchanged in the original purchase order and is not effected by this change.
- Assumes 110V Power is accessible for use.
- Includes Purchase of Structural Steel Members on the above-mentioned drawing

We have not included the following items in our estimated budget:

- Any Engineering requirements, or design change.
- Inspection.

Total Lump Sum Quote for CO 6, RFI 127: \$11,457

Labor: \$7,435

Equipment: \$845

Materials: \$3,177

Costs Break Down is Included on a Separate Sheet

Terms & Pricing:

- This proposal is valid for 30 days; Terms of payments are net 30 upon received of EII invoicing.

We appreciate the opportunity to work with you on this project. If there are any questions regarding this information or if we can be of further service, please call directly the undersigned below.

Evans Industrial Inc.

Best regards,

Herschel Evans

(310) 850-6020

Evans Industrial, Inc.

5/3/2018

Costs Break down for 17008 RUHS Cath Lab: CO # 6 RFI 127 1st Floor Ceiling Space

Labor For CO # 6 RFI 127 1st Floor Ceiling Space

Craft	Hours	\$ / Hour	Total Billing	Total
Supervisor	24	\$120.25	\$2,886	\$2,886
1 - Welders	24	\$115.45	\$2,771	\$2,771
Welder Helper	24	\$74.08	\$1,778	\$1,778
Total Labor for CO #6				\$7,435

Materials, Includes Delivery and Taxes

12 Feet Angle 6"X8"X3/4"	\$2,102
6 Feet of Angle 6"X6"X1/2"	\$950
Delivery	\$125
Total Materials	\$3,177

Equipment, Includes Delivery, Rentals and Taxes

Consumables and Safety	\$350
1 Welding Machines	\$495
Total Equipment	\$845

Total Change Order #6 \$11,457



STRONGHOLD ENGINEERING, INC.

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

OSHPD REVIEW REQUIRED:			SIGNATURE
DSE	YES	NO	
FLSO	<input type="checkbox"/>	<input type="checkbox"/>	
ACD	<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.: 113
DATE: 3/19/2018

TO: Ewing Cole Electronic Submission	PROJECT: Riverside University Hospital System Bi-Plane Cardiac Catherization Lab 26520 Cactus Ave. Moreno Valley, CA 92555
ATTN: Jennifer Smith	FROM: Cam Crites - Project Engineer

REFERENCE: S2 GE drawing for Positioning plate
LOCATION: Cath Lab

DESCRIPTION:

After scanning for rebar we discovered rebar at 4 bolt locations. We will also encountered additional rebar at the center 9" core.

During the site visit with the structural engineer we were informed that cutting this rebar would not be an issue and we would need to notify the engineer how many rebars were cut after drilling and coring is complete.
Please confirm this is how we are to proceed

There will be additional costs if added structural steel is required

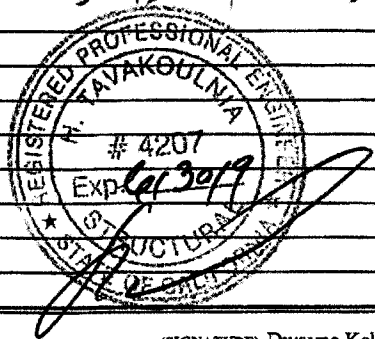
SCHEDULE IMPACT Depending on Response FINANCIAL IMPACT Depending on Response ATTACHMENTS s

RESPONSE NEEDED BY: DATE: 3/21/2018

REPLY:

PLEASE ADD 1/2" HILTI KB TZ AT MAX 3'-0"
O.C. AS INDICATED ON ATTACHED SHEETS,
CPS-15 & CPS-16

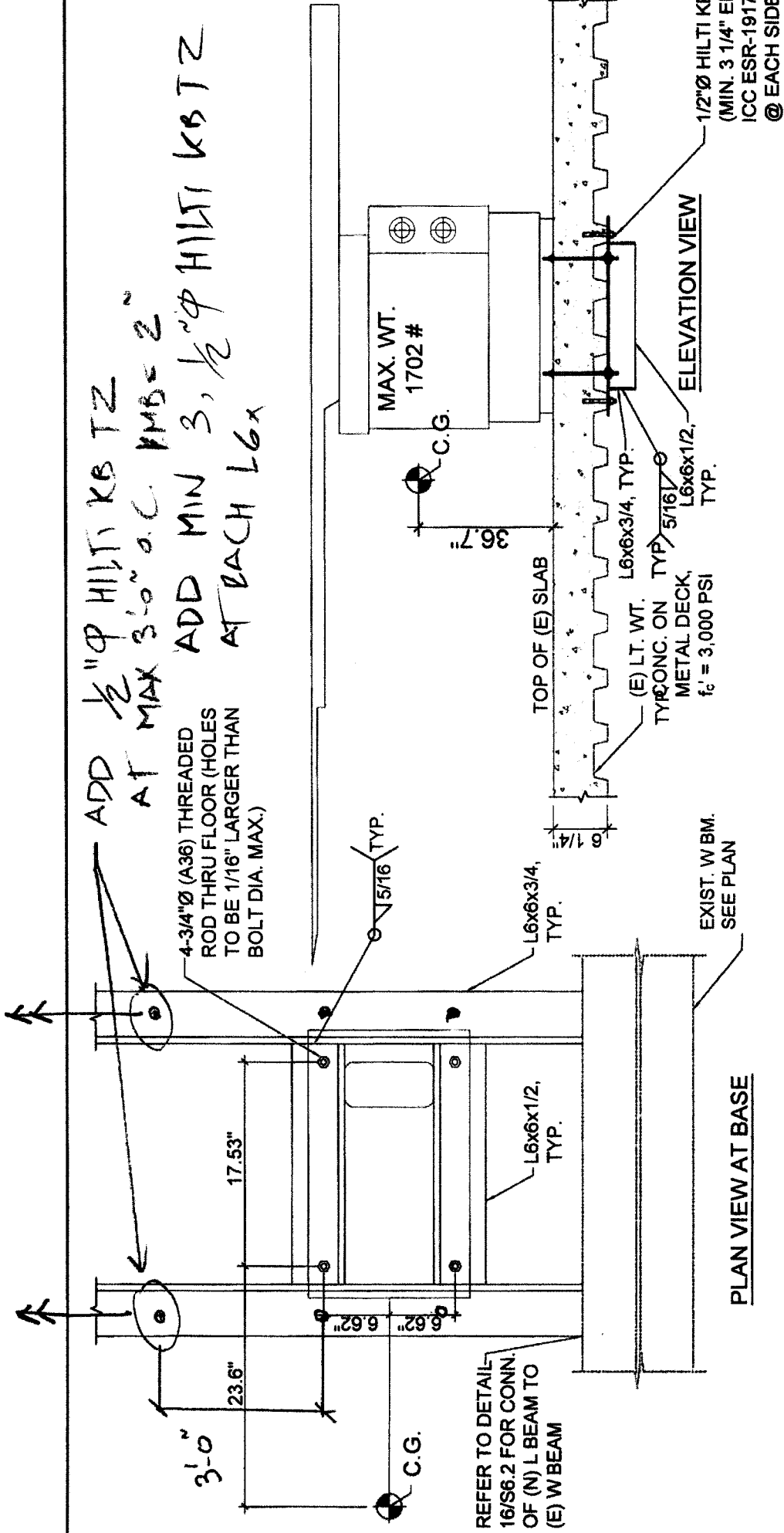
VAHID TAVAKOULI, S.E. 3/23/18



(SIGNATURE) Dwayne Kelly (TITLE) Project Superintendent

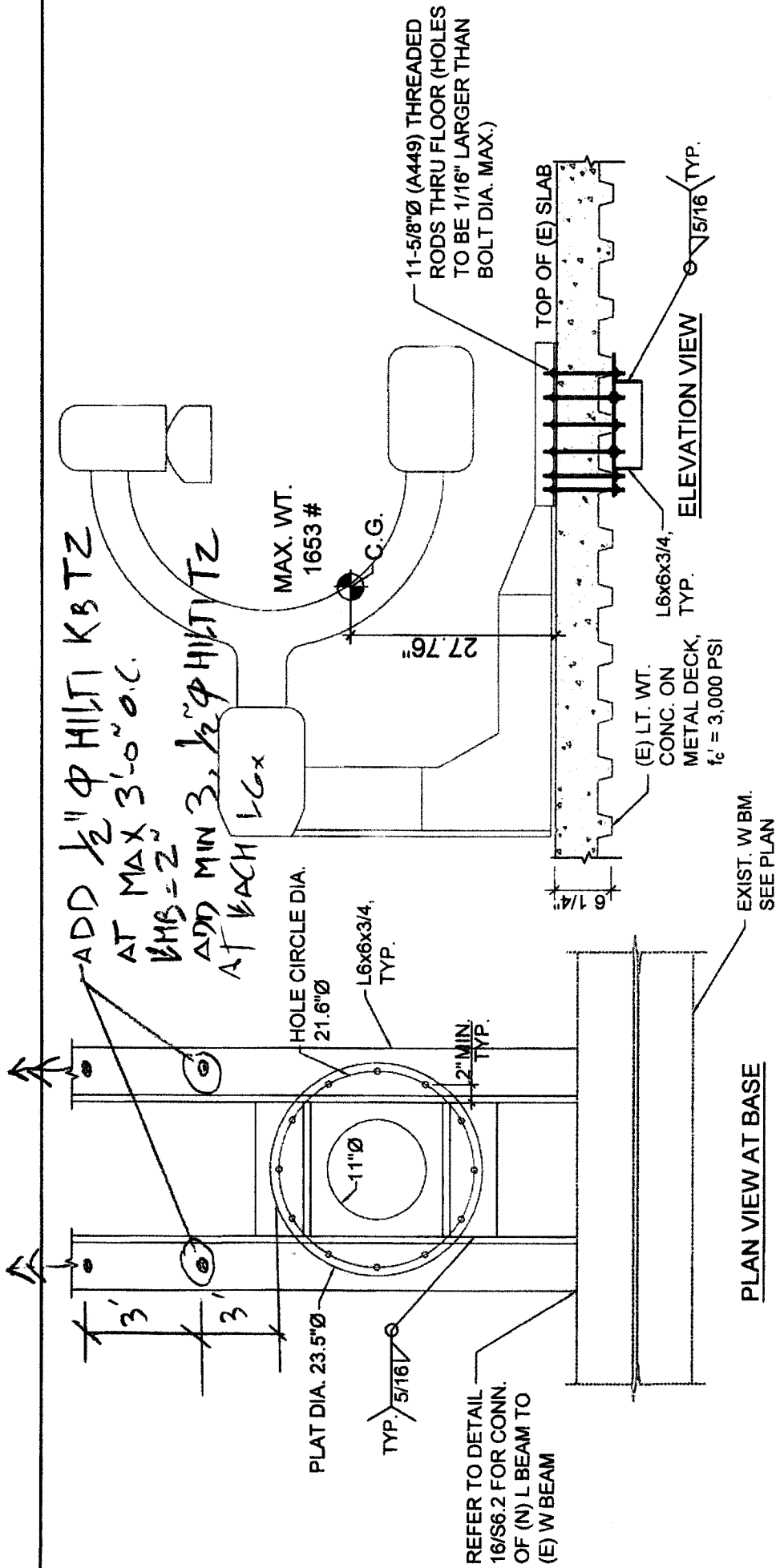
If the initiator disagrees with the response or believes that the response creates a change in scope affecting contract costs or time, the initiator shall respond in writing in accordance with the contract. RFI # 113

Handwritten note: ULL, 085 3/28/18



OMEGA V LONG TABLE
SCALE: NTS

RUMS
RFI 113
3/28/13
CB-15



LC POSITIONER
SCALE: NTS

RUHS
RFE113
3/20/10
LPS-16



STRONGHOLD ENGINEERING, INC.

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

OSHPD REVIEW REQUIRED.			SIGNATURE
DSE	YES <input type="checkbox"/>	NO <input type="checkbox"/>	
FLSP	<input type="checkbox"/>	<input type="checkbox"/>	
ACS	<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.: 127

DATE: 4/16/2018

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

REFERENCE: S2.1

LOCATION: 1st Floor Ceiling Space

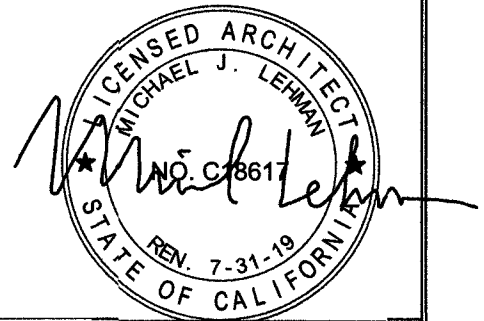
DESCRIPTION:

On the attached drawing items 1-6 are for the hospital to review please disregard. Items 7 and 8 need to be reviewed by the design team.

7.) With 6" Steel Spaced 24" OC the Cath. Machine Mounting Plate will have holes that do not line up with the steel in the first floor ceiling. The Steel in the first floor ceiling is 24" on center. That means the distance from edge to edge is 18". The GE Baseplate has the following spacing. End to end holes are 22" OC. The next four holes are 18" OC. The Design states we need 2" of edge distance from the edge of steel to edge of hole. With this new layout we will only have 1 1/2" edge distance for the first hole and the second hole will line up with the edge of steel. Below you will find Detail A, which is a drawing of what is described in this cloud.

8.) Confirm that the new steel length of 29' is ok to support the new Square GE equipment Base.

Please advise.



SCHEDULE IMPACT Depending on Response FINANCIAL IMPACT Depending on Response ATTACHMENTS

RESPONSE NEEDED BY: DATE: 4/20/2018

REPLY: This RFI will require OSHPD Review by the DSE.

Item #7.) Provide L8X6X3/4 (LLH) in lieu of L6X6X3/4 to allow mounting plate holes to line of with steel plate below with minimum 2" bolt edge distance. Please refer to attached CPS-18.

ITEM #8.) 29" steel length is acceptable to support Square GE equipment. Please refer to attached CPS-19.

Nahid Tavakoulnia, S.E. 4-23-18

(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 # 127

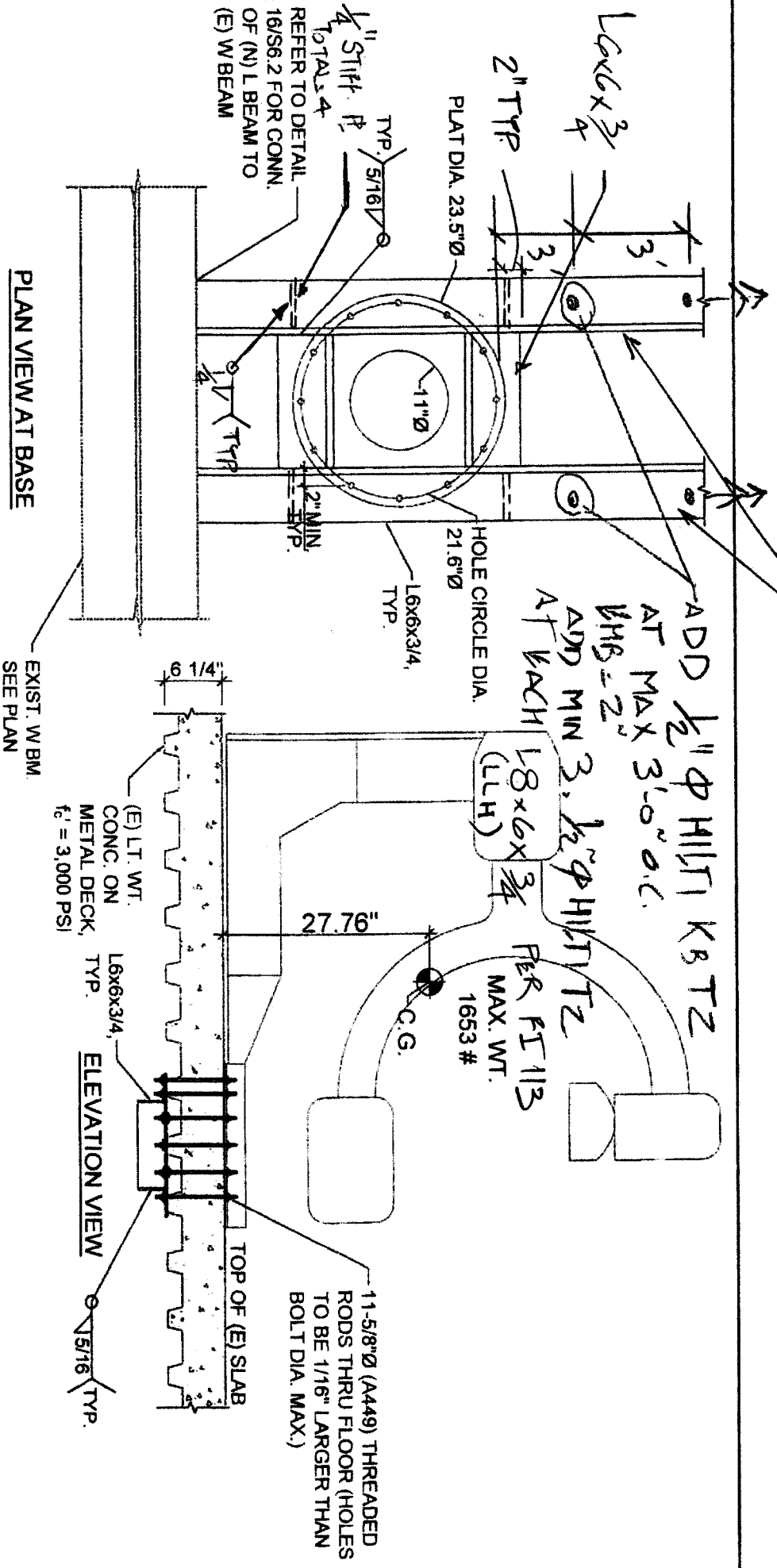
L8x6x3/4 (LLH)

ADD 1/2" ϕ HILTI KB TZ AT MAX 3'-0" o.c.

ADD MIN 3. 1/2" ϕ HILTI TZ AT EACH

L8x6x3/4 (LLH) PER FI 113 MAX. WT. 1653 #

11-5/8" ϕ (A449) THREADED RODS THRU FLOOR (HOLES TO BE 1/16" LARGER THAN BOLT DIA. MAX.)



1/4" STIFF PLATE REFER TO DETAIL 16/S6.2 FOR CONN. OF (N) L BEAM TO (E) W BEAM

PLAT DIA. 23.5" ϕ

HOLE CIRCLE DIA. 21.6" ϕ

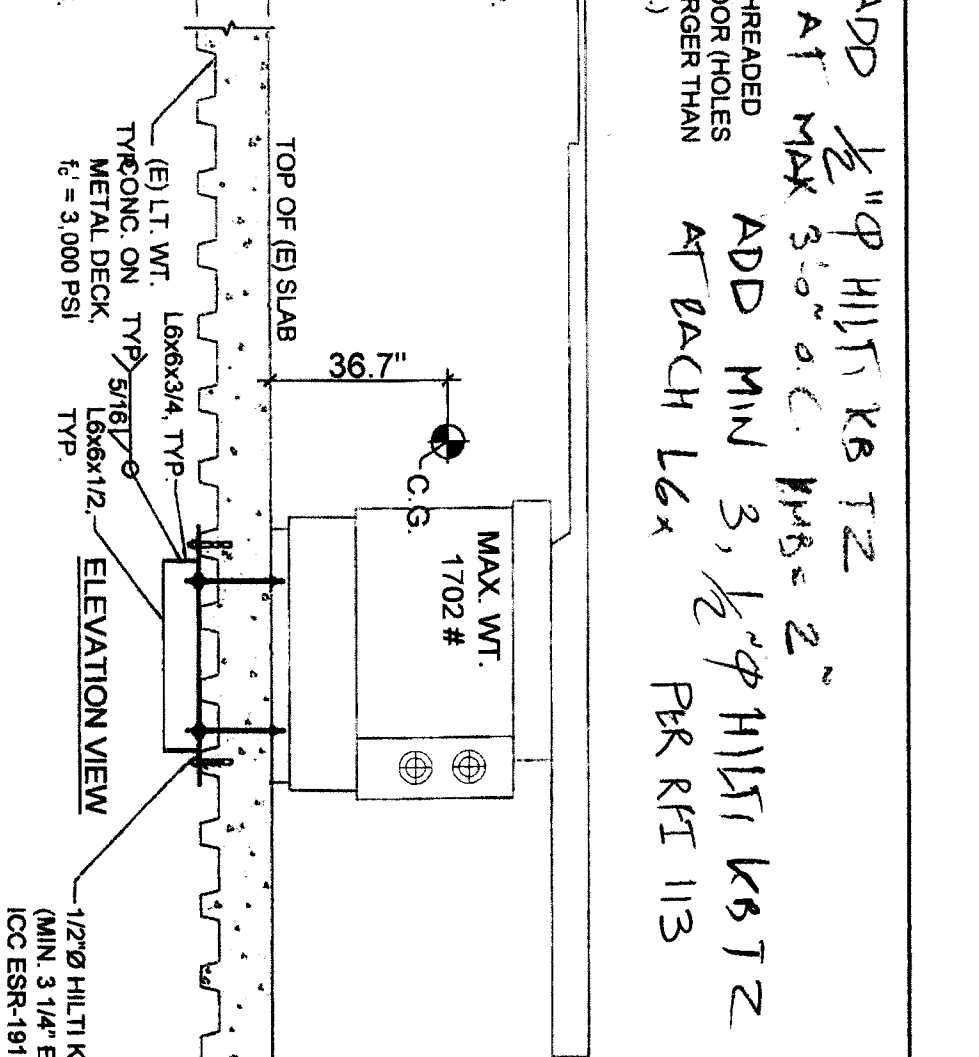
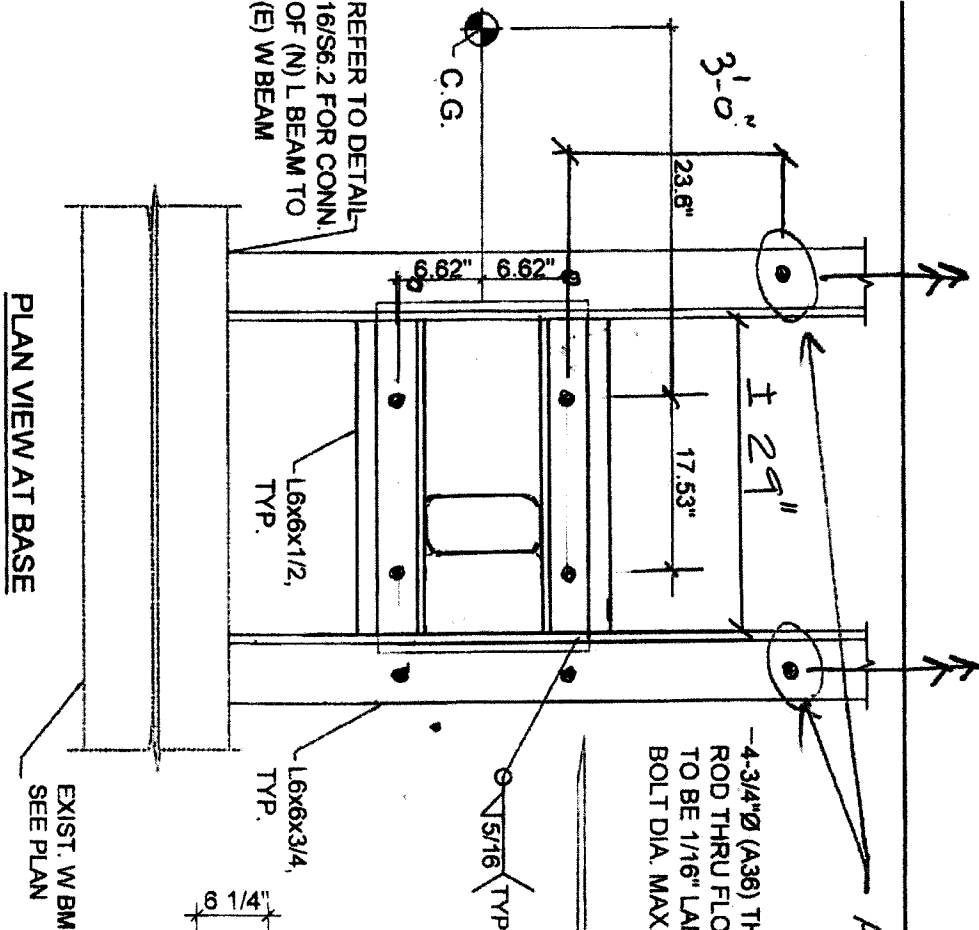
L6x6x3/4 TYP.

L6x6x3/4 TYP.

(E) LT. WT. CONC. ON METAL DECK, $f'_c = 3,000$ PSI

11-5/8" ϕ TYP.

R UHS
RFI #127
4/23/18
LPS-18



ADD $\frac{1}{2}$ " HILTI KB-TZ
 AT MAX 3'-0" O.C. MAX = 2"
 ADD MIN 3, $\frac{1}{2}$ " HILTI KB-TZ
 AT EACH L6x PER RFI 113

OMEGA V LONG TABLE
 SCALE NTS

PLAN VIEW AT BASE

EXIST. W.BM.
 SEE PLAN

TOP OF (E) SLAB
 (E) LT. WT.
 TYP. ONC. ON
 METAL DECK,
 $f'_c = 3,000$ PSI

ELEVATION VIEW

1/2"Ø HILTI KB-TZ
 (MIN. 3 1/4" EMBED
 ICC ESR-1917, TYP
 @ EACH SIDE

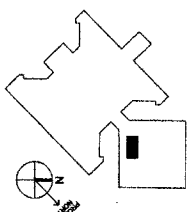
RUMS
 RFI # 127
 4/23/18
 CR-19

PROJECT TEAM
 MICHAEL ETSIKIAN
 MICHAEL ETSIKIAN
 MICHAEL ETSIKIAN
 MICHAEL ETSIKIAN

GENERAL CONTRACTOR
 CHENYI CONTRACTING



CHENYI CONTRACTING
 12311 Apple Street, Suite 100
 Irvine, CA 92618
 Tel: 949.417.2291 Fax: 949.417.2292



NO.	REVISION	DATE
1	ISSUE FOR PERMITTING	04.14.17
2	REVISIONS TO PERMITTING	04.14.17
3	REVISIONS TO PERMITTING	04.14.17



PROJECT NAME
 PENTAIL SECOND FLOOR PLAN

GENERAL NOTES

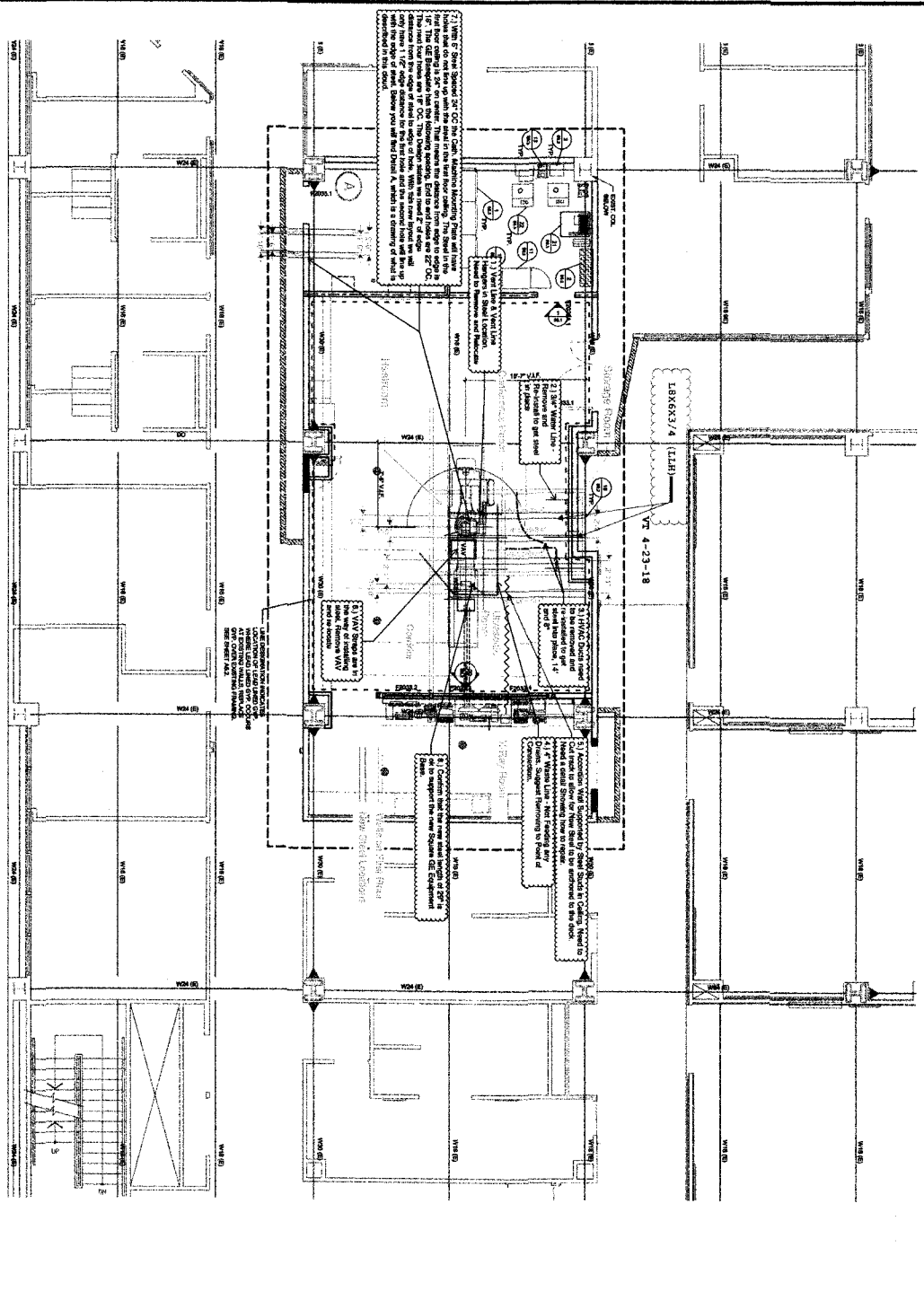
① NOT APPROVED

KEY NOTES

① NOT APPROVED

LEGEND

① NOT APPROVED





STRONGHOLD ENGINEERING, INC.

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

Established 1991

May 30, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 026 – RFI 053R1 Added Angle at Floor Penetrations**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added in in reference to RFI 053R1 response from the architect 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. Purchase 4"x4"x5/16", cut per Stronghold Engineering's direction, drill holes for anchors.
3 Days

The total COR amount to complete the changes listed above is \$8,139.00

Sincerely,
STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

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 026

DESCRIPTION: RFI 053R1 Added Angle at Floor Penetrations

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 (Evans)		Revisions/comments	
11. Direct Materials			1,368
12. Sales Tax on Materials	0.00% of line 11 Included	0.00%	
13. Direct Labor			4,956
14. Insurance, Taxes, and Fringe Benefits	0.0% of line 13 Included	0.0%	
15. Rental Equipment			350
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)			\$ 6,674.00
19. Overhead	15.0% of line 18 Included	15.0%	1,001
20. Profit	0.0% of line 18+19	0.0%	-
20. SUBTOTAL (Add Lines 18 & 19)			\$ 7,675.10
21. Sub Contractor Bond Premium	0.0% of line 20 Included		
22.	of total change		
23. SUBTOTAL (Add Lines 20 - 22)			\$ 7,675.00

Sub's Remarks:

SUMMARY		Revisions/comments	
24. Prime Contractor's work (from line 10)			
25. Sub-contractor's work (from line 23)			7,675
26. SUBTOTAL (add lines 24 & 25)			\$ 7,675.00
27. Prime Overhead on sub-contractor	5.0% of line 25	5.0%	384
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)			\$ 8,058.75
31. Prime Contractor's Bond Premium	1.000% of line 30	1.0%	81
32. TOTAL COST (add lines 30 & 31)			\$ 8,139.00

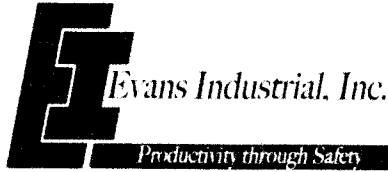
Prime Contractor name: Stronghold Engineering, Inc.

Sub-contractor name: Evans

Signature and title of Preparer

Date 05/30/18

Project Manager



22815 Frampton Ave.
Torrance, CA 90501

TELEPHONE: (888) 311-1341
FACSIMILE: (310) 317-7773

www.evans-industrial.com



May 9, 2018

Stronghold Engineering

Proposal# 1753-455, 17008 RUHS Cath Lab: CO #8, RFI 053R1 Rev 1, Purchase Cut and Drill Material per CPS-6

Attn: Camille Crites

In accordance with your request we are pleased to submit the following Lump Sum proposal. We propose to furnish labor, structural steel members, equipment, including taxes, insurance, expense items and necessary supervision to perform the following scope of work; **Scope of Work Detailed Below:**

Our proposal is based upon on the following parameters:

RUHS Bi-Plane Catheterization Lab Project: Purchase 4"x4"x5/16", Cut Per Stronghold Engineering's direction, drill holes for Anchors.

- Project is based on Prevailing Wage
- Crew Size 1 Superintendent, 1 Journeyman, 1 Helper
- Material will be ordered, and the cutting and drilling will be completed on site
- Stronghold Engineering will confirm lengths and hole locations in the field.
- Assumes 110V Power is accessible for use.
- Includes Purchase of Structural Steel Members on the above-mentioned drawing

We have not included the following items in our estimated budget:

- Any Engineering requirements, or design change.
- Inspection.

Total Lump Sum Quote for CO 8, RFI 053R1: \$6,674

Labor: \$4,956

Equipment: \$350

Materials: \$1,368

Costs Break Down is Included on a Separate Sheet

Terms & Pricing:

- This proposal is valid for 30 days; Terms of payments are net 30 upon received of EII invoicing.

We appreciate the opportunity to work with you on this project. If there are any questions regarding this information or if we can be of further service, please call directly the undersigned below.

Evans Industrial Inc.

Best regards,

Herschel Evans

(310) 850-6020

Evans Industrial, Inc.

5/9/2018

Costs Break down for 17008 RUHS Cath Lab: CO # 8 RFI 053R1 Rev 1

Labor For CO # 8 RFI 053R1

Craft	Hours	\$ / Hour	Total Billing	Total
Supervisor	16	\$120.25	\$1,924	\$1,924
1 - Welders	16	\$115.45	\$1,847	\$1,847
Welder Helper	16	\$74.08	\$1,185	\$1,185
Total Labor for CO #8 RFI 053R1				\$4,956

Materials, Includes Delivery and Taxes

80 Feet Angle 4"X4"X5/16"	\$1,243
Delivery	\$125
Total Materials	\$1,368

Equipment, Includes Delivery, Rentals and Taxes

Consumables and Safety	\$350
1 Welding Machines	\$0
Total Equipment	\$350

Total Change Order #8 \$6,674

QUOTATION

No. 937042

PG 1 OF 1



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 Long Beach, CA 90813
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 FAX: (562) 437-1072
 Web: www.phillipssteel.com
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QUOTED TO
 EVANS INDUSTRIAL, INC.
 P.O. BOX 53908
 IRVINE, CA 92619

PURCHASE ORDER #
JOB NAME
RESALE #
SHIP TO
 EVANS INDUSTRIAL, INC.
 22815 FRAMPTON AVENUE
 TORRANCE, CA 90501

BUYER
 BRANDON
 Tel (888) 311-1341
 Fax (310) 317-7773
SALES REP
 DULCE OSORIO
CUST ID
 E0802
JOB NAME
TERMS
 1% 10 DAYS/NET 30
QUOTE DATE
 05/29/2018
EXPIRES
 05/31/2018
SHIP VIA
PROCESS#
FAB CODE

LINE	QUANTITY	DESCRIPTION	WIDTH	LENGTH	WEIGHT	UNIT PRICE	TOTAL
1	4 PCS	A44516 ANGLE HR 4 X 4 X 5/16		20'	656	250.00/PC	1,040.00
TOTAL WT		SUBTOTAL	CUTTING	LA TAX			TOTAL
656 LBS		\$1,040.00	\$0.00	\$98.80			\$1,138.80

..... All prices subject to change based on availability
 at time of order

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PROJECT NO.: 17008
CONTRACT NO.: 084-000-7374
OSHPD NO.: S161619633

DRAWING REVIEW REQUIRED	
DATE	<input type="checkbox"/>
PLAN	<input type="checkbox"/>
SECTION	<input type="checkbox"/>
DETAIL	<input type="checkbox"/>
OTHER	<input type="checkbox"/>
REVISION	<input type="checkbox"/>

REQUEST FOR INFORMATION

RFI NO.: 053R1
DATE: 1/12/2018

TO: Ewing Cole - Architect
15231 Laguna Canyon Road
Irvine, CA 92618

PROJECT: Riverside University Hospital System
Bi-Plane Cardiac Catheterization Lab
26520 Cedena Ave.
Morteno Valley, CA 92555

ATTN: Jennifer Smith

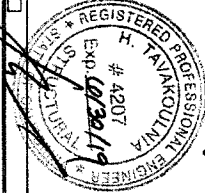
FROM: Cami Crites - Project Engineer on behalf of Infinity Drywall/Brandon

REFERENCE: Coring Detail

LOCATION: 2ND Floor Cath Lab

DESCRIPTION: Coring Detail

Please give a detail for all floor cores giving minimum spacing and structural requirements for all cores indicated on the attached structural drawing. Are any additional structural supports needed. Please advise.



SCHEDULE IMPACT Depending on Response FINANCIAL IMPACT Depending on Response ATTACHMENTS

RESPONSE NEEDED BY: DATE: 1/19/2018

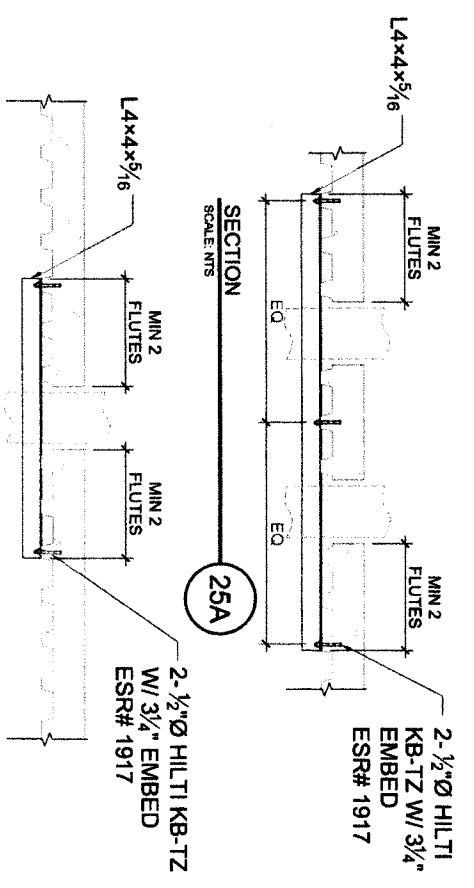
REPLY:

Please refer to details on the attached sheets,
CPS-5 and CPS-6, Yahid Tavakoulinia, S.E. 1/30/18

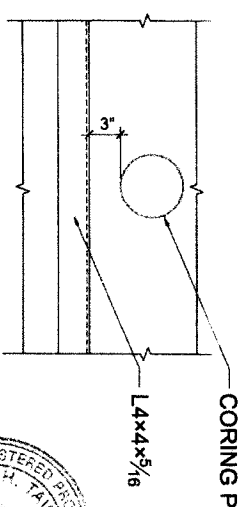
(SIGNATURE) Dwayne Kelly CMU, Project Superintendent

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 # 053R1

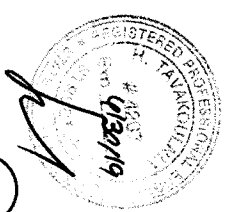
WV, PSS 2/2/18



CORING SECTION



PARTIAL PLAN VIEW

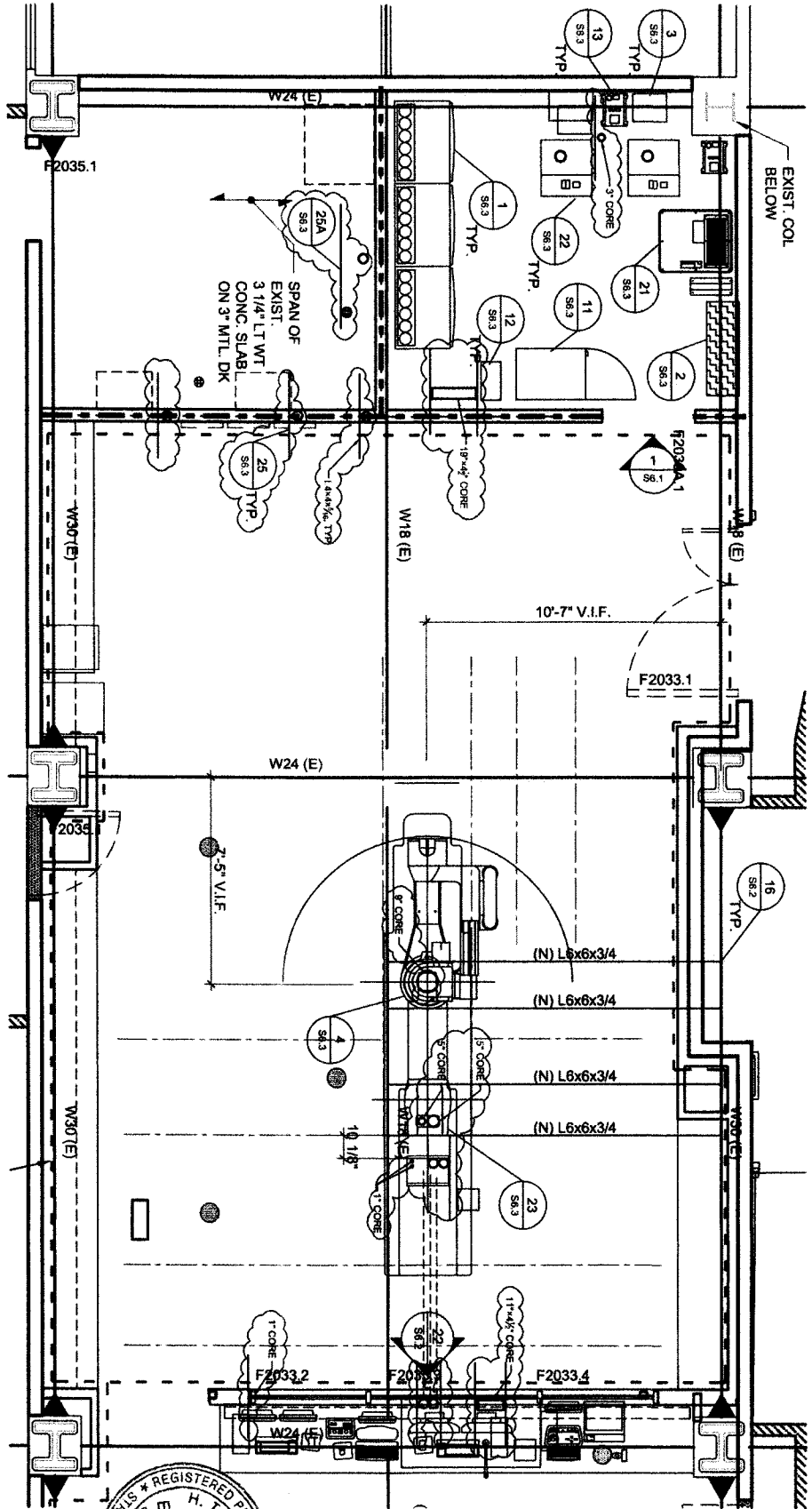


25

**EWING
COLE**

Copyright © 2013 by EWINGCOLE

PROJECT	RUHS CATH LAB	PROJECT NO.	20150573	DWG. DATE	01/30/2018
	2850 CACTUS AVENUE	REF. DWG.	S6.3		
	MORENO VALLEY, CA 92586	SCALE	NTS		
DRAWING TITLE	REF# 53R: FLOOR CORINGS	DWG. BY	MC	DRAWING NO.	CPS-6



EWING COLE

PROJECT: **RUHS CATH LAB**
 26520 CACTUS AVENUE, MORENO VALLEY, CA 92866
 DRAWING TITLE: **RFI# 53R: CORING DETAILS**

PROJECT NO.: **20150573**
 REF. DWG.:
 SCALE: **1/4" = 1'-0"**
 DWN. BY: **MC**

DWG. DATE: **01-30-2018**
 REV. DATE:
 DRAWING NO.:

CPS-5



GENERAL NOTES

1. SEE PLAN FOR

**EWING
COLE**

NOTES:
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL CODE BOOKS AND THE CALIFORNIA ELECTRICAL CODE.

KEY-NOTES

1. SEE PLAN FOR

LEGEND

1. SEE PLAN FOR

Riverside University Health System
HOSPITAL SYSTEM

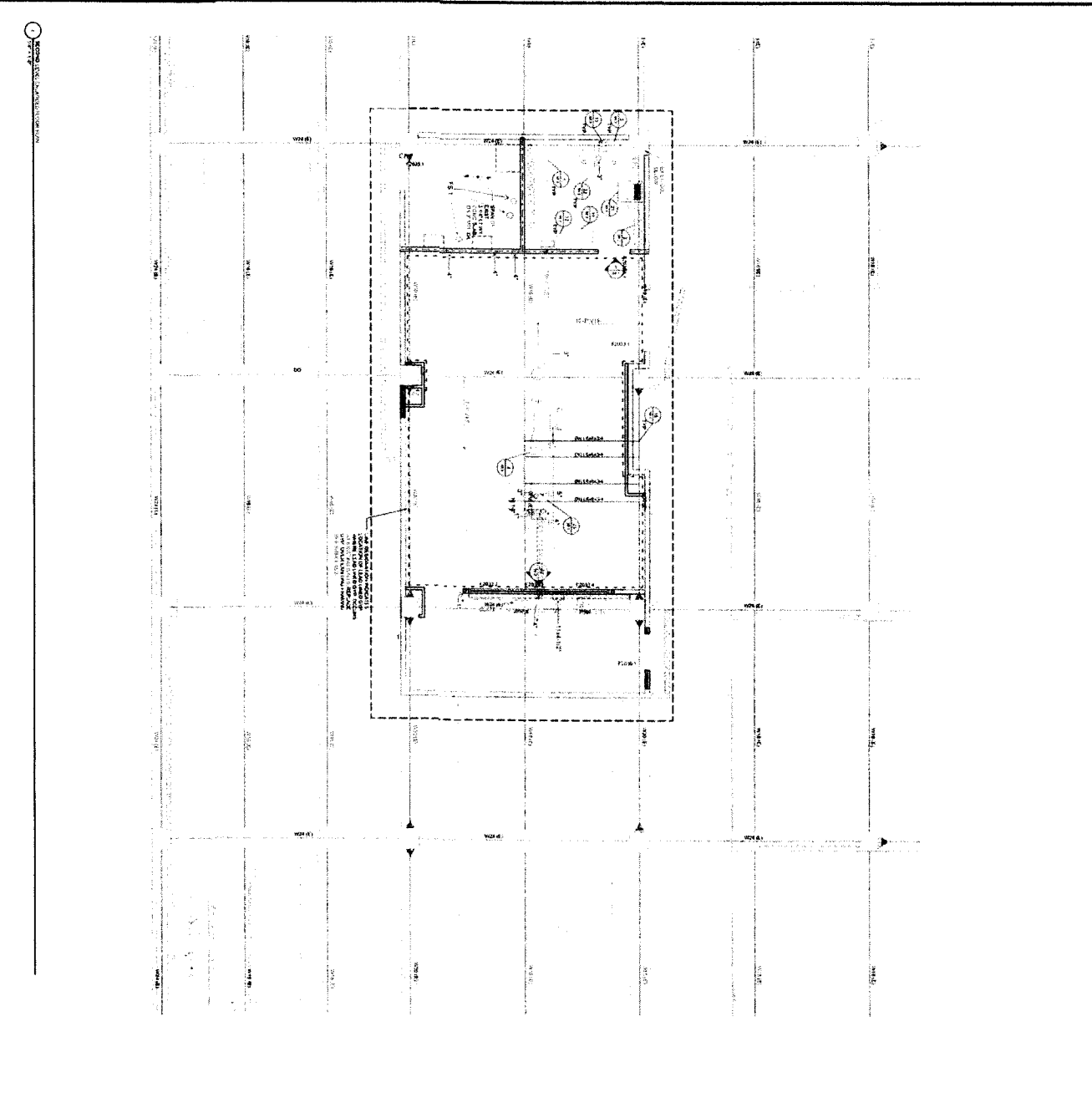
PROJECT: **CD S2.1**

DATE: 07/20/2014

BY: [Signature]

Professional Engineer
Ewing Cole

Professional Architect
Ewing Cole



1. SEE PLAN FOR



STRONGHOLD ENGINEERING, INC.

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

Established 1991

May 23, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 028 – Floor Preparation and Leveling**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work for resilient flooring for the RUHS 2nd Floor Cath lab Project and additional cost will be incurred due to the additional leveling and preparation required above what is normal for floor preparation. At the start of the job Stronghold did not see that the floor is lower by 5/8" all around the GE table location. This will require additional floating over and beyond normal floor prep work to match the perimeter floor level in the cath lab space. Attached to this COR you will find a floor map created by Stronghold to show the floor leveling needed in the Cath lab due to height differences around the GE table. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. Self Level Sub surface Phase #1 – 2 Days

- Install self level to raise floor elevation approximately 5/16" to 3/8".

2. Patch over lead plates Phase #2 – 1 Day

- Install primer and patch to create smooth surface over Lead plates for the installation of Sheet vinyl.

The total COR amount to complete the changes listed above is \$5,606.00

Sincerely,

STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

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 028

DESCRIPTION: Floor Leveling and Preparation Above Contract Work

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	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 (Mikes Flooring)				Revisions/comments	
11.	Direct Materials			1,784	
12.	Sales Tax on Materials	0.00% of line 11	Included	0.00%	
13.	Direct Labor			2,813	
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)				\$ 4,596.50
19.	Overhead	15.0% of line 18	Included	15.0%	689
20.	Profit	0.0% of line 18+19		0.0%	-
20.	SUBTOTAL (Add Lines 18 & 19)				\$ 5,285.98
21.	Sub Contractor Bond Premium	0.0% of line 20	Included		
22.			of total change		
23.	SUBTOTAL (Add Lines 20 - 22)				\$ 5,285.98

Sub's Remarks:

SUMMARY				Revisions/comments	
24.	Prime Contractor's work (from line 10)				
25.	Sub-contractor's work (from line 23)			5,286	
26.	SUBTOTAL (add lines 24 & 25)				\$ 5,285.98
27.	Prime Overhead on sub-contractor	5.0% of line 25		5.0%	264
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)				\$ 5,550.27
31.	Prime Contractor's Bond Premium	1.000% of line 30		1.0%	56
32.	TOTAL COST (add lines 30 & 31)				\$ 5,606.00

Prime Contractor name: Stronghold Engineering, Inc.

Sub-contractor name: Mikes Flooring

Signature and title of Preparer

Date 05/23/18

Project Manager



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

Floor Preparation Phase #1

Date: 5/21/18
 To: Stronghold Construction
 Re: Catheterization Lab RCRMC Moreno Valley- Self Level Sub surface Phase #1
 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
1375	SF	Labor	Labor to install Leveling Compound up to 5/16- 3/8"		\$0.85	\$1,168.75
45	Bags	Uzin	NC 150 Self Leveling		\$24.35	\$1,095.75
1	Lot	Labor	Night & Weekend Hours			\$525.00
Total						\$2,789.50

Job Scope: Install self level to raise floor elevation approximately 5/16" to 3/8". Need to laser measure exact height and verify per Dwayne's specifications.

Exclusions: Moisture Testing & Remediation, Furniture Moving, Excessive floor prep, Floor protection, sealing or setting the lead seam strips.

Notes:

Furniture: NA

Demo: NA

Install method: Install per Stronghold's specifications.

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.



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

Floor Preparation Phase #2

Date: 5/21/18
 To: Stronghold Construction
 Re: Catheterization Lab RCRMC Moreno Valley- Patch over lead plates Phase #2
 Location: 26520 Cactus Ave Moreno Valley Ca. Billing Name & Phone & Email: Billing Address:

We propose to furnish and install the following:

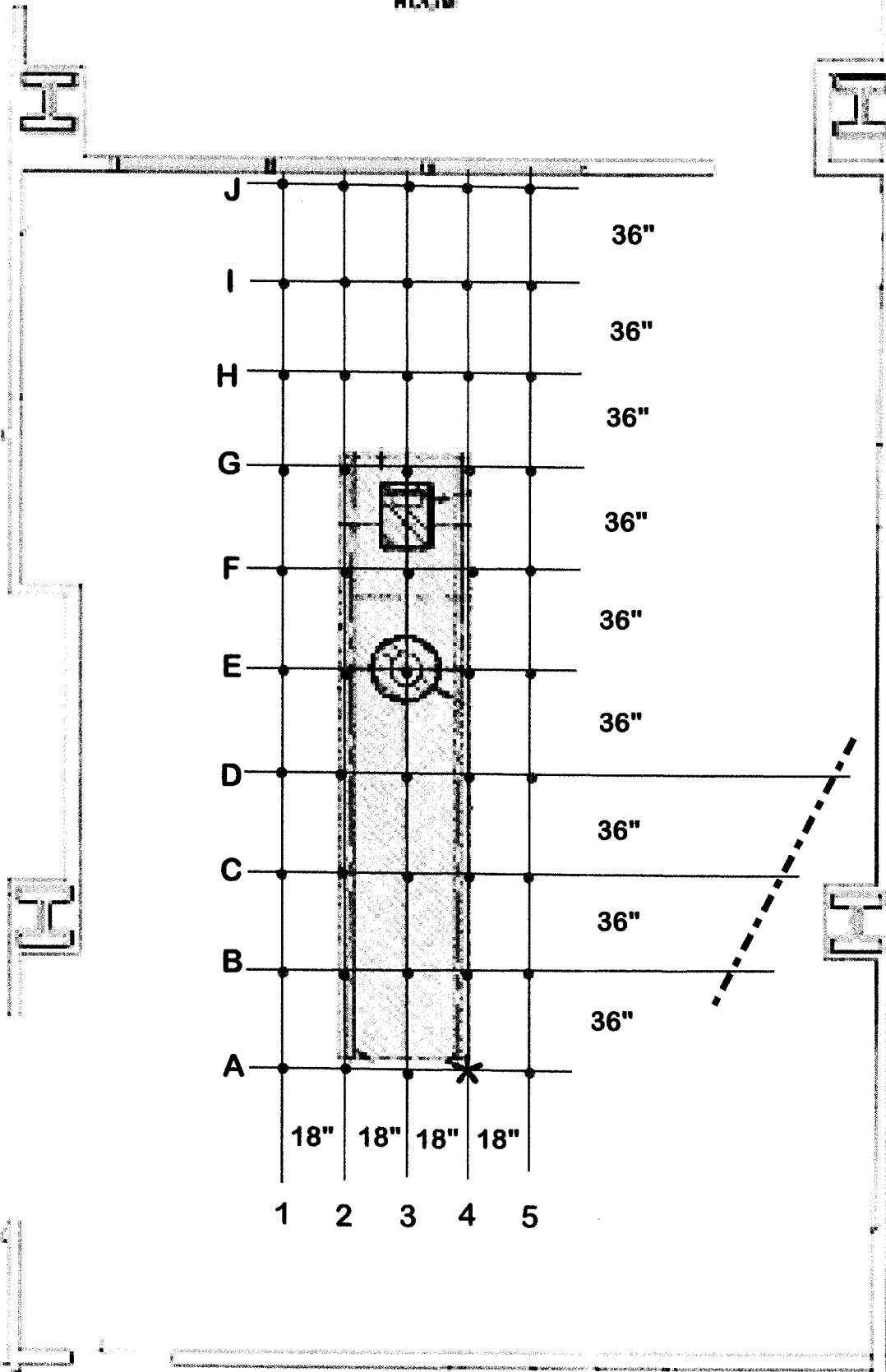
Qty.	Unit	Mfr./Type	Product/Service	Color	Unit Cost	Price
1375	SF	Labor	Apply Uzin Primer PE 260 & Uzin 888 to over lead plates		\$0.65	\$893.75
25	Bags	Uzin	NC 150 Self Leveling		\$18.55	\$463.75
2	Units	Uzin	PE 260 Primer			\$224.50
1	Lot	Labor	Night & Weekend Hours			\$225.00
Total						\$1,807.00

Job Scope: Install primer and patch to create smooth surface over Lead plates for the installation of Sheet vinyl.
 Exclusions: Moisture Testing & Remediation, Furniture Moving, Excessive floor prep, Floor protection, sealing or setting the lead seam strips.
 Notes:
 Furniture: NA
 Demo: NA
 Install method: Install per Stronghold's specifications.
 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.

CONTROL ROOM



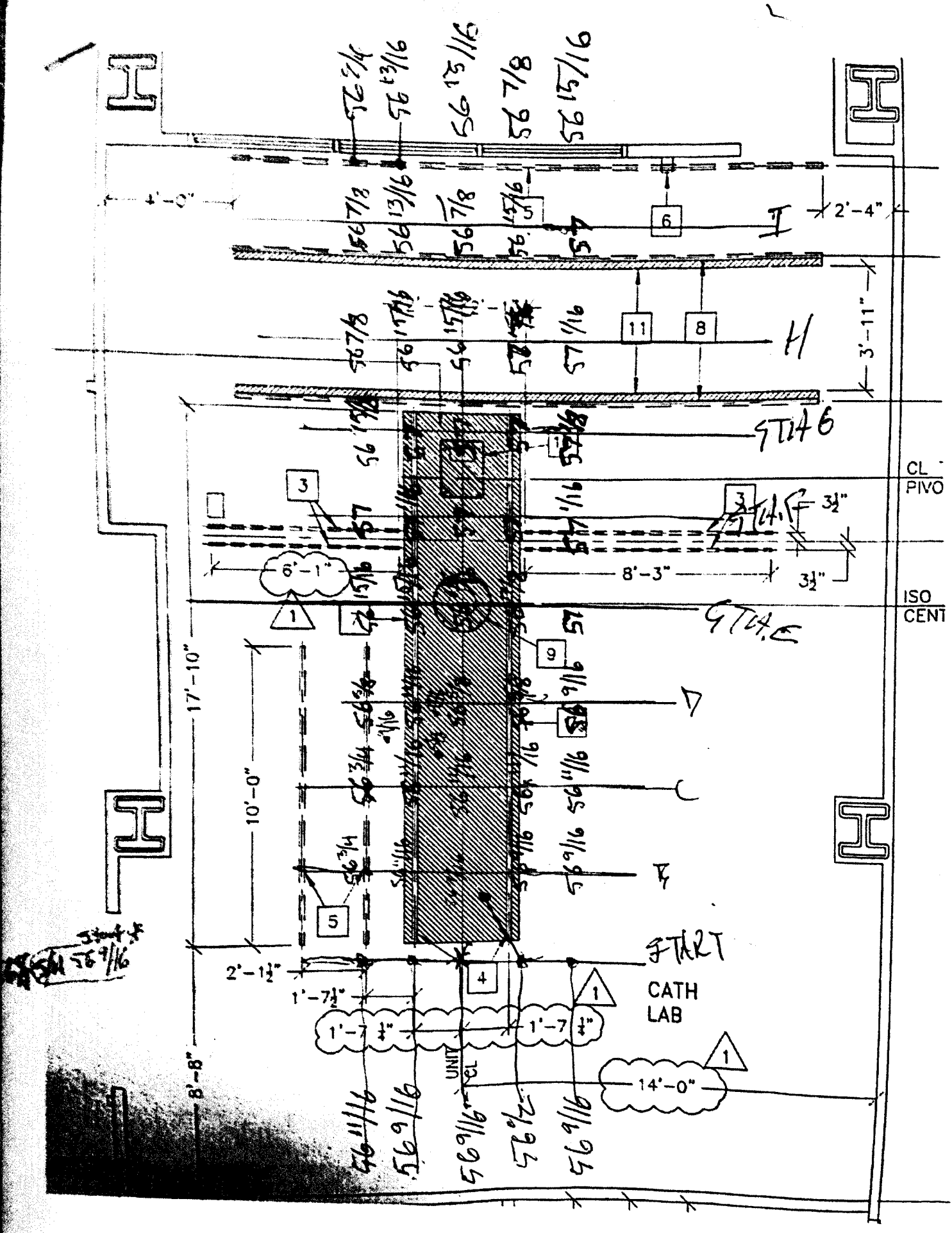
CATHERIZATION LAB - FLOOR CONTOUR

J	56 3/4	- 1/4	56 13/16	- 5/16	56 13/16	- 5/16	56 7/8	- /8	56 15/16	- 7/16
I	56 7/8	- 3/8	56 13/16	- 5/16	56 7/8	- 3/8	56 15/16	- /16	57	- 1/2
H	56 7/8	- 3/8	56 15/16	- 7/16	56 15/16	- 7/16	57	- /2	57 1/16	- 9/16
G	56 15/16	- 7/16	57	- 1/2	57	- 1/2	57	- /2	57 1/8	- 5/8
F	57	- 1/2	57 1/16	- 9/16	57	- 1/2	57	- /2	57 1/16	- 9/16
E	56 15/16	- 7/16	56 15/16	- 7/16	56 15/16	- 7/16	56 7/8	- /8	57	- 1/2
D	56 5/8	- 1/8	56 11/16	- 3/16	56 5/8	- 1/8	56 5/8	- /8	56 9/16	- 1/16
C	56 3/4	- 1/4	56 11/16	- 3/16	56 11/16	- 3/16	56 11/16	- /16	56 11/16	- 3/16
B	56 3/4	- 1/4	56 11/16	- 3/16	56 9/16	- 1/16	56 9/16	- /16	56 9/16	- 1/16
A	56 11/16	- 3/16	56 9/16	- 1/16	56 9/16	- 1/16	56 1/2	- /2	56 9/16	- 1/16
	1		2		3		4		5	

NOTES:

18" between numbered columns; 36" between lettered row
 Gray columns show actual vertical distance up to 360* laser line.
 Point (4A) is the highest point (0") within the grid.

Points in proximity to hashed blue line are upto (1/8") higher than 4A.



CL PIVO

ISO CENT

Start 56 9/16

START
CATH
LAB

17'-10"

10'-0"

8'-8"

2'-1 1/2"

1'-7 1/2"

1'-7 3/4"

1'-7 3/4"

14'-0"

6'-1"

8'-3"

3 1/2"

3 1/2"

9T04E

9T04B

6

11

8

3

3

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4

56 7/8
56 13/16
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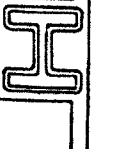
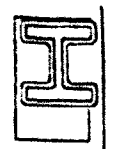
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STRONGHOLD ENGINEERING, INC.

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

Established 1991

May 25, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 030 – Relocate 1st Floor CAV**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added for unforeseen conditions in the 1st floor ceiling space for the RUHS 2nd Floor Cath lab Project. The COR breakdown for ACCO to relocate the CAV in the 1st floor ceiling space for installation of steel is shown below that includes the scope of work affected and the time impact associated with the scope of work.

1. ACCO to relocate the 1st floor CAV to the adjacent room – 8 days

- Demo ductwork and relocate CAV.
- CAV to be relocated to the room adjacent to the restroom.
- (2) Existing fire-smoke dampers to be removed by others.
- Provide duct insulation for relocated CAV.
- Controls to extend wiring as required.

The total COR amount to complete the changes listed above is \$12,754.00

Sincerely,

STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

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 030

DESCRIPTION: Relocate 1st Floor CAV

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 (ACCO)		Revisions/comments	
11. Direct Materials			255
12. Sales Tax on Materials	0.00% of line 11 Included	0.00%	
13. Direct Labor			5,916
14. Sales Tax and Warranty Reserve	0.0% of line 13 Included	0.0%	87
15. Rental Equipment			95
16. Sales Tax on Rental Equipment	0.00% of line 15 Included	0.00%	
17. Subcontracts + 15%			4,690
18. SUBTOTAL ACCO (add lines 11-16)			\$ 6,352.00
19. Overhead	10.0% of line 18 Included	10.0%	635
20. Profit	5.0% of line 18+19	5.0%	349
20. SUBTOTAL (Add Lines 18 & 19)			\$ 7,336.00
21. Sub Contractor Bond Premium	0.0% of line 20 Included		
22.	of total change		
23. SUBTOTAL (Add Lines 17 & 20)			\$ 12,026.00

Sub's Remarks:

SUMMARY		Revisions/comments	
24. Prime Contractor's work (from line 10)			
25. Sub-contractor's work (from line 23)			12,026
26. SUBTOTAL (add lines 24 & 25)			\$ 12,026.00
27. Prime Overhead on sub-contractor	5.0% of line 25	5.0%	601
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)			\$ 12,627.30
31. Prime Contractor's Bond Premium	1.000% of line 30	1.0%	126
32. TOTAL COST (add lines 30 & 31)			\$ 12,754.00

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

Signature and title of Preparer

Date 05/25/18

Project Manager

May 24th, 2018

Shane Papp
Stronghold Engineering
2000 Market Street
Riverside, CA 92501

Regarding: Riverside University Health System Riverside County
Regional Medical Center Catheterization Lab Project
Subject: **Change Order # 011 – Relocate 1st Floor CAV**
Project No: **611028**

ACCO to relocate the 1st floor CAV to the adjacent room. The added cost as follow:

Scope of Work:

- Demo ductwork and relocate CAV.
- CAV to be relocated to the room adjacent to the restroom.
- (2) Existing fire-smoke dampers to be removed by others.
- Provide duct insulation for relocated CAV.
- Controls to extend wiring as required.

Clarifications:

- We do not know the CAV functionality and do not warrant the operation.
- Demo of existing fire-smoke damper by others.
- Exclude all air balance.
- All work to be performed during normal working hours.

Pricing:

- Our proposal pricing base on the scope described above is **\$ 12,026**

Sincerely,

ACCO Engineered Systems

Austin Hargett
Project Manager



Extra Work Proposal Labor and Material Breakdown

ACCO Job # : 611028

Date : 5/21/2018

Job Name : RUHS Catheterization Lab Project

Extra Work Proposal # : 11

Description of work:

Relocate CAV on 1st floor

Pricing Breakdown:

Equipment		\$0
Sheet Metal-Shop		\$731
Lining Shop		\$0
Welding Shop		\$0
Teamsters		\$154
Sheet Metal-Field		\$5,200
HVAC Piping-Shop		\$0
HVAC Piping-Field		\$0
Rigging		\$0
Systems Operations		\$0
Project Engineering / Management		\$86
Rentals		\$95
Jobsite Expenses		\$0
Misc.		\$0
Sales Tax	9.50%	\$24
Warranty Reserve		\$63
DIRECT JOB COST		\$6,352
+ Unit Pricing Costs		\$0
TOTAL COST		\$6,352
+ Overhead	10%	\$635
+ Profit	5%	\$349
Total ACCO Price		\$7,336
Subcontracts		\$4,078
+ Subcontracts Overhead/Profit	15%	\$612
+ Bond	0.00%	\$0
Total Extra Work Proposal Price		\$12,026

Time extension required because of labor added by this change is _____ workdays.
 This proposal is based on _____ 65 hours of straight time and _____ 0 hours of premium time.
 ACCO is:
 Proceeding with this work: _____ Waiting for authorization : X

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 #: 11

Job Name: RUHS Catheterization Lab Project **Job #:** 611028 **Date:** 5/21/2018

Sheet Metal - Shop		Units	Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$
Sheet Metal (Pounds)		250					250	\$ 250
SM - Fab labor			5	-	-	481	-	\$ 481
Sheet Metal Shop Totals:			5	-	-	481	250	\$ 731
Teamsters			Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$
Loading			1	-	-	77	-	\$ 77
Driving / Unloading			1	-	-	77	-	\$ 77
Teamsters Totals:			2	-	-	154	-	\$ 154
Sheet Metal - Field			Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$
Detailing			1	-	-	90	5	\$ 95
Install Duct			17	-	-	1,537	-	\$ 1,537
Install Accessories CAV			6	-	-	543	-	\$ 543
Remove Accessories CAV/Demo			24	-	-	2,171	-	\$ 2,171
Foreman			8	-	-	756	-	\$ 756
General Foreman			1	-	-	98	-	\$ 98
Sheet Metal (Field) Totals:			57	-	-	5,195	5	\$ 5,200
PROJ ENG/PROJ MGT			Hrs (ST)	Hrs (OT)		Labor \$	Material \$	TOTAL \$
Design Engineer			1	-		86	-	\$ 86
Proj. Engr./Mgmt. Totals:			1	-		86	-	\$ 86
SUBCONTRACTS		TOTAL \$				SUBCONTRACTS		TOTAL \$
Duct Insulation		1,200	Fire Stopping					-
Controls		2,878	Spoils Removal					-
Subcontract Total:							\$	4,078
OTHER COSTS								
Jobsite Expenses		TOTAL \$				Rentals		TOTAL \$
other		-	Sheet Metal Machinery					95
Jobsite Expenses Total:		-	Rentals Total:					\$ 95

SIEMENS

Siemens Industry, Inc.

Building Automation

Address: 6141 Katella Ave.

City, State, Zip: Cypress, CA 90630

Contact: Ken Thamtrakoln

Email: ken.thamtrakoln@siemens.com

ACCO Engineered Systems

6265 San Fernando Rd

Glendale, CA 91201

Attn: Austin Hargett

ahargett@accoes.com

Date: 5/18/18

Base Job Name:
RUHS- Cath Lab

Base Job Number:
44OP-222766

Subject:

Relocate an existing terminal box

Statement of Work:

Proposal is to disconnect controls on existing terminal box so that it may be physically relocated. Upon relocation of box, controls are to be remounted. Includes verification of controls after re-mounting and communication back to the existing Siemens BMS.

TOTAL PROPOSED COST: \$2,878



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 13, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 032 – Rigid Ductwork Change for Lead Install RFI 169**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work added in RFI 169 to change duct to rigid duct 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. Rigid duct connection to the laminar cans for lead wrap – 3 Days

- Scope of Work:
- Provide rigid duct fitting at each laminar can.

The total COR amount to complete the changes listed above is \$8,052.00

Sincerely,
STRONGHOLD ENGINEERING, INC

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

www.strongholdengineering.com

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

DATE: 13-Jun-18

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

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

TO: **Mike Wickham - Kitchell**

COR 032

DESCRIPTION: **Rigid Ductwork Change RFI 169**

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	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 (Infinity)					Revisions/comments
11.	Direct Materials			220	
12.	Sales Tax on Materials	0.00% of line 11	0.00%		
13.	Direct Labor			4,625	
14.	Insurance, Taxes, and Fringe Benefits	0.0% of line 13	0.0%	-	
15.	Rental Equipment			133	
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)			\$ 4,978.00	
19.	Waaranty and Tax			71	
20.	Overhead	10.0% of line 18	10.0%	505	
21.	Profit	5.0% of line 18+19	5.0%	278	
22.	SUBTOTAL (Add Lines 18 & 19)			\$ 5,831.60	
23.	SubContracts to Sub			1,761	
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 7,592.60	

Sub's Remarks:

SUMMARY					Revisions/comments
24.	Prime Contractor's work (from line 10)				
25.	Sub-contractor's work (from line 23)			7,593	
26.	SUBTOTAL (add lines 24 & 25)			\$ 7,592.60	
27.	Prime Overhead on sub-contractor	5.0% of line 25	5.0%	380	
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)			\$ 7,972.22	
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	80	
32.	TOTAL COST (add lines 30 & 31)			\$ 8,052.00	

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

Sub-contractor name: **ACCO**

Signature and title of Preparer

Date 06/13/18

Project Manager



May 21st, 2018

Cam Crites
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 # 016 – Rigid Duct at Laminar Can
Project No: 611028

ACCO has been requested to provide pricing for rigid duct connection to the laminar cans for lead wrap. The added cost as follow:

Scope of Work:

- Provide rigid duct fitting at each laminar can.

Clarifications:

- Work to be performed during normal working hours.

Pricing:

- Our proposal pricing base on the scope described above is \$ 7,115

Sincerely,

ACCO Engineered Systems

Austin Hargett
Project Manager



Extra Work Proposal Labor and Material Breakdown

ACCO Job #: 611028

Date: 5/21/2018

Job Name: RUHS Catheterization Lab Project

Extra Work Proposal #: 15

Description of work:

Provide duct fitting at Laminar Can for lead wrap

Pricing Breakdown:

Equipment		\$0
Sheet Metal-Shop		\$884
Lining Shop		\$0
Welding Shop		\$0
Teamsters		\$307
Sheet Metal-Field		\$3,654
HVAC Piping-Shop		\$0
HVAC Piping-Field		\$0
Rigging		\$0
Systems Operations		\$0
Project Engineering / Management		\$0
Rentals		\$133
Jobsite Expenses		\$0
Misc.		\$0
Sales Tax	9.50%	\$21
Warranty Reserve		\$50
DIRECT JOB COST		\$5,049
+ Unit Pricing Costs		\$0
TOTAL COST		\$5,049
+ Overhead	10%	\$ 505
+ Profit	5%	\$ 278
Total ACCO Price		\$5,832
Subcontracts		\$1,531
+ Subcontracts Overhead/Profit	15%	\$230
+ Bond	0.00%	\$0
Total Extra Work Proposal Price		\$7,593

Time extension required because of labor added by this change is _____ workdays.
 This proposal is based on 51 hours of straight time and 0 hours of premium time.
 ACCO is:
 Proceeding with this work: _____ Waiting for authorization: X

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 #: 15

Job Name: RUHS Catheterization Lab Project **Job #:** 611028 **Date:** 5/21/2018

Sheet Metal - Shop							
	Units	Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$
Sheet Metal (Pounds)	324					211	\$ 211
SM - Fab labor		7	-	-	673	-	\$ 673
Sheet Metal Shop Totals:		7	-	-	673	211	\$ 884
Teamsters							
		Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$
Loading		2	-	-	154	-	\$ 154
Driving / Unloading		2	-	-	154	-	\$ 154
Teamsters Totals:		4	-	-	307	-	\$ 307
Sheet Metal - Field							
		Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$
Detailing		2	-	-	181	9	\$ 190
Install Duct		30	-	-	2,713	-	\$ 2,713
Install Accessories		2	-	-	181	-	\$ 181
Foreman		5	-	-	473	-	\$ 473
General Foreman		1	-	-	98	-	\$ 98
Sheet Metal (Field) Totals:		40	-	-	3,645	9	\$ 3,654
SUBCONTRACTS							
		TOTAL \$			SUBCONTRACTS		TOTAL \$
Duct Insulation		1,531		Fire Stopping			-
Subcontract Total:							\$ 1,531
OTHER COSTS							
Jobsite Expenses		TOTAL \$		Rentals		TOTAL \$	
other		-		Sheet Metal Machinery			133
Jobsite Expenses Total:		-		Rentals Total:			\$ 133



STRONGHOLD ENGINEERING, INC.

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

OSHPD REVIEW REQUIRED			SIGNATURE
OSR	YES	NO	
PLS	<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.: 169

DATE: 5/17/2018

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: Change Flexible to Rigid Duct

LOCATION: 2nd Floor Cath Lab

DESCRIPTION:

Per our meeting with Ewing Cole on 5/16/18, we met with the lead installer from RPS, Phil, and he commented on not being able to wrap the flexible duct. Wrapping the flexible duct would collapse the duct. We request an ACD to change the flexible duct to rigid duct at the ceiling diffuser. This will add cost to the project. Please confirm and give us a directive to proceed on this change.

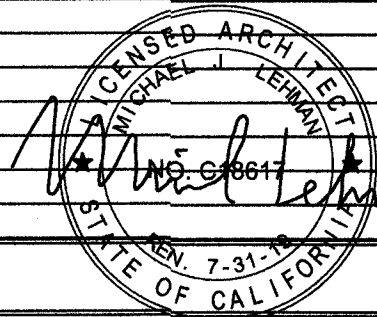
SCHEDULE IMPACT Depending on Response FINANCIAL IMPACT Depending on Response ATTACHMENTS

RESPONSE NEEDED BY: DATE: ASAP

REPLY:

If rigid ductwork is required for the installation of the lead shield, it is recommended that rigid ductwork be provided. This is a non-materially altering RFI and does not require OSHPD review.

Tony Castro / EwingCole / 05-31-18



(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 # 169



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 19, 2018

ELECTRONIC TRANSMISSION

Mike Wickham., Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 034 – Seismic for Relocation of Waste line in COR 017**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work that has been added in Change Order #2 and ACD0004 drawings 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.) Seismic added for Relocation of Waste Line in COR 017

The total COR amount to complete the changes listed above is \$2,505.00

Sincerely,
STRONGHOLD ENGINEERING, INC.

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

www.strongholdengineering.com

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PROPOSAL/ESTIMATE STRONGHOLD ENGINEERING, INC.

DATE: 19-Jun-18

CONTRACT TITLE: RUHS 2nd Floor Cath Lab

CONTRACT NO: 0843-000-7374

TO: Mike Wickham - Kitchell

COR 034

DESCRIPTION: Seismic added to COR 017 for relocation of 3" waste line

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 (Continental)				Revisions/comments
11. Direct Materials			2,054	
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)			\$ 2,054.00	
19. Overhead	10.0% of line 18 Included	10.0%	205	
20. Profit	5.0% of line 18+19	5.0%	103	
20. SUBTOTAL (Add Lines 18 & 19)			\$ 2,362.10	
21. Sub Contractor Bond Premium	1.0% of line 20 Included			
22.	of total change			
23. SUBTOTAL (Add Lines 20 - 22)			\$ 2,362.00	

Sub's Remarks:

SUMMARY				Revisions/comments
24. Prime Contractor's work (from line 10)			-	
25. Sub-contractor's work (from line 23)			2,362	
26. SUBTOTAL (add lines 24 & 25)			\$ 2,362.00	
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%	118	
30. SUBTOTAL (add lines 26-29)			\$ 2,480.10	
31. Prime Contractor's Bond Premium	1.000% of line 30	1.0%	25	
32. TOTAL COST (add lines 30 & 31)			\$ 2,505.00	

Prime Contractor name: Stronghold Engineering, Inc.

Sub-contractor name: Continental

Signature and title of Preparer

Date 06/19/18

VP of General Construction



**CONTINENTAL
PLUMBING
INC.**

CHANGE ORDER REQUEST #013

Thursday, July 05, 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: Additional seismic for relocate existing 3" waste line above Cath Lab for new tube steel.

Excludes: Engineered seismic drawings.

Reference: CPI COR #8 & 8A

Total net change to contract: \$2,363.00

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

July 5, 2018



**CONTINENTAL
PLUMBING
INC.**

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CHANGE ORDER RECAP

C.O. #

MATERIAL COST	<u>\$946</u>
FREIGHT 4%	<u>\$38</u>
LABOR <u>10.94</u> HRS X <u>\$98.00</u>	<u>\$1,072</u>
SPILL KIT (BARREL, SHOP VAC/PUMP)	<u>\$0</u>
SUBCONTRACTS	<u>\$0</u>
DIRECT JOB COSTS	<u>\$0</u>
INDIRECT JOB COSTS	<u>\$0</u>
SUBTOTAL	<u>\$2,056</u>
15% MARK UP	<u>\$307</u>
TOTAL C.O.	<u>\$2,363</u>
BOND	<u>\$0</u>
TOTAL COST ADJUSTMENT	<u>\$2,363</u>

	A	B	C	D	E	F	G	H	I	J
1	Item Name	Quantity		Bid Pr	U	Ext'd Pr	Lbr	U	Ext'd Lbr	
2	Cost Code:									
3	SEISMIC BRACING	3.00		\$225.00	E	\$675.00	2.00	E	6.00	
4	Cost Code:									
5	3/8 HDI	3.00		\$3.09	E	\$9.26	0.50	E	1.49	
6	Cost Code: SUPPORTS/ACCESORIES									
7	B22-SOLID GALV.STRUT	40.00		\$4.72	E	\$188.72	0.08	E	3.00	
8	3 RISER CLAMP PLN	1.00		\$2.63	E	\$2.63	0.45	E	0.45	
9						\$875.61			10.94	



**CONTINENTAL
PLUMBING
INC.**

CONTINENTAL PLUMBING, INC.

11165 Thurston Lane • Jurupa Valley, CA 91752

(951) 360-8300 • FAX (951) 360-8309

License # 399073

**TIME and MATERIAL
WORK ORDER**

(6585)

To: Name: Stronghold Eng. Job Number/Name: Cath Lab RUHS
 Address: _____ Address: _____
 City: _____ City: Marcos Valley
 Date: 4-13-18 CPI Foreman: Larry Cornell

THE FOLLOWING LABOR, EQUIPMENT AND MATERIALS WERE USED TO: Tie-in waste line (3")
above control room window, that was re-routed for window framing. Between
columns EE + 42+44.

QUANTITY	MATERIALS	PRICE	TOTAL
4	3" Husky 4000 NHCI Bands		
5	2" " " " "		
1	2" NHCI 1/8 Bend		
2'	2" " Pipe		
2	waste labels Accessories		
1	roll of yellow Arrows		
+ 2 men x 5 hours ea. = <u>10 man hours</u>			

Total Materials		\$ _____	
EQUIPMENT		PRICE	LABOR
			Trade Rate/Hr. ManHours Total
			Plumber \$ _____ X <u>10</u> = _____
			Plumber O/T \$ _____ X _____ = _____
			\$ _____ X _____ = _____
			\$ _____ X _____ = _____
EQUIPMENT (UNOPERATED)			
		Rate/Hr.	Hours Total
		\$ _____	X _____ = _____
		\$ _____	X _____ = _____
		1. Total Labor _____	
		2. Total Equipment _____	
		3. Total Materials _____	
		Total 1, 2, & 3 _____	
		Add _____% Overhead & Profit _____	

READ CAREFULLY - BEFORE SIGNING

I am authorized to sign for extra work.
 I hereby direct the work to be completed.
 I hereby agree that the hours and quantities are correct.

4. Contract Total _____
 5. Bond _____
 Grand Total _____
 Authorized By: [Signature]
 Title: _____



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License # 399073

TIME and MATERIAL WORK ORDER

(6585-01)

To: Name: Stronghold Eng. Job Number/Name: Gath Lab RUMS
 Address: _____ Address: _____
 City: _____ City: Morero Valley
 Date: 4-6-18 CPI Foreman: Larry Cornell

THE FOLLOWING LABOR, EQUIPMENT AND MATERIALS WERE USED TO: Run a new 3" waste line, in order to re-route (E) 3" waste line for control room window framing between grid lines EE + DD and 42 + 44

QUANTITY	MATERIALS	PRICE	TOTAL
20'	3" NHCI Pipe		
2	3" NHCI 1/8 Bends		
1	3" " 1/4 Bend		
1	3" " Comby	+ 1 man x 6 hours (Jacob set)	
1	3"x2" NHCI Comby	+	
1	3"x2" " Reducer		
1	2" NHCI 1/8 Bend	+ 1 man 7 hours (Larry Cornell)	
2	3" NHCI Blind plugs		
1	2" " " "	= 13 man hours	
10	3" Husky 4000 NHCI Bands		
4	2" " " " "		
4	3" Clevis hangers		
20'	1/2" ATR		
4	1/2"x3/4" H.I.T. KBTZ Anchors		

Total Materials \$ _____

EQUIPMENT	PRICE	LABOR			
		Trade	Rate/Hr.	ManHours	Total
		Plumber	\$ _____ X	13	= _____
		Plumber O/T	\$ _____ X		= _____
			\$ _____ X		= _____
			\$ _____ X		= _____
EQUIPMENT (UNOPERATED)					
			Rate/Hr.	Hours	Total
		Company Truck	\$ _____ X		= _____
		Equipment Total	\$ _____ X		= _____
		1. Total Labor			_____
		2. Total Equipment			_____
		3. Total Materials			_____
		Total 1, 2, & 3			_____
		Add _____% Overhead & Profit			_____

4. Contract Total _____

5. Bond _____

Grand Total _____

READ CAREFULLY - BEFORE SIGNING

I am authorized to sign for extra work.
 I hereby direct the work to be completed.
 I hereby agree that the hours and quantities are correct.

Authorized By: [Signature] Title: Super



**CONTINENTAL
PLUMBING
INC.**

CONTINENTAL PLUMBING, INC.

11165 Thurston Lane • Jurupa Valley, CA 91752
(951) 360-8300 • FAX (951) 360-8309

License # 399073

TIME and MATERIAL WORK ORDER

6885-01

To: Name: Stronghold Eng Job Number/Name: Cath Lab RUMS
 Address: _____ Address: _____
 City: _____ City: Marine Valley
 Date: 4-9-18 CPI Foreman: Larry Cornell

THE FOLLOWING LABOR, EQUIPMENT AND MATERIALS WERE USED TO: Test + Add seismic
to (N) waste line in control room, that had to be re-routed for window
framing. In between Grid lines EE + DD and 42 + 44.

QUANTITY	MATERIALS	PRICE	TOTAL
40'	1 5/8 unistrut		
6	swivel attach nuts		
3	3/8 x 3 3/4" Hilti KBTZ anchors		
25	1/2" Nuts + washers		
4	1/2" Rod couplings w/ window		
<u>2 men x 7 hours ea. = 14 hours</u>			

Total Materials \$ _____

EQUIPMENT	PRICE	LABOR			
		Trade	Rate/Hr.	ManHours	Total
		Plumber	\$ _____ X	<u>14</u>	= _____
		Plumber O/T	\$ _____ X		= _____
			\$ _____ X		= _____
			\$ _____ X		= _____
EQUIPMENT (UNOPERATED)					
			Rate/Hr.	Hours	Total
		Company Truck	\$ _____ X		= _____
		Equipment Total	\$ _____ X		= _____
		1. Total Labor _____			
		2. Total Equipment _____			
		3. Total Materials _____			
		Total 1, 2, & 3 _____			
		Add _____ % Overhead & Profit _____			

READ CAREFULLY - BEFORE SIGNING

I am authorized to sign for extra work.
 I hereby direct the work to be completed.
 I hereby agree that the hours and quantities are correct.

4. Contract Total _____
 5. Bond _____
 Grand Total _____
 Authorized By: [Signature] Title: [Signature]



CHANGE ORDER REQUEST #008A

Tuesday, March 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: Relocate existing 3" waste line above Cath Lab 6586 for new tube steel.

Excludes: Trough Drain, Drain Pan, Engineered Seismic Drawings.

Total net change to contract: ~~\$6,776.00~~ \$2,362.00 \$4,414.00 already approved in COR 017

Additional time required: 3 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

March 27, 2018



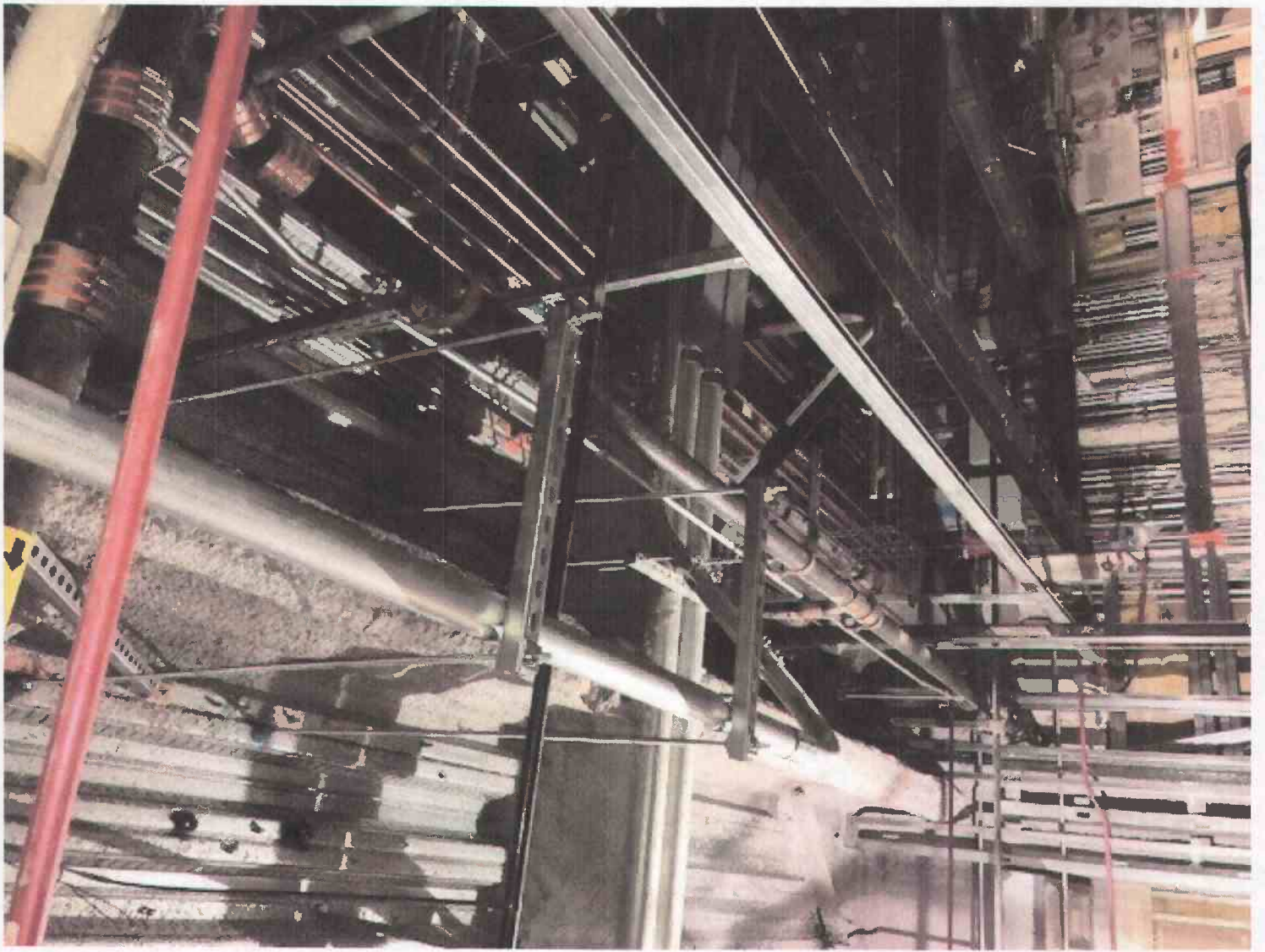
**CONTINENTAL
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CHANGE ORDER RECAP

C.O. #

MATERIAL COST	<u>\$1,899</u>
FREIGHT 4%	<u>\$76</u>
LABOR <u>37.42</u> HRS X <u>\$98.00</u>	<u>\$3,667</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>\$5,892</u>
15% MARK UP	<u>\$884</u>
TOTAL C.O.	<u>\$6,776</u>
BOND	<u>\$0</u>
TOTAL COST ADJUSTMENT	<u>\$6,776</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	SEISMIC BRACING	5.00		\$225.00	E	\$1,125.00	2.00	E	10.00
4	BAG EXIST FIXTURES	1.00		\$25.00	E	\$25.00	2.00	E	2.00
5	TEST	1.00		\$0.00	E	\$0.00	2.00	E	2.00
6	INSPECTIONS	2.00		\$0.00	E	\$0.00	1.00	E	2.00
7	REMOVE EXISTING PIPING	1.00		\$0.00	E	\$0.00	2.00	E	2.00
8	PIPE LABEL	5.00		\$0.45	E	\$2.25	0.02	E	0.09
9	Cost Code: NO HUB PIPE								
10	3 NO HUB PIPE	20.00		\$6.01	E	\$120.20	0.00	E	0.00
11	Cost Code: NO HUB FITTINGS								
12	3 NH 1/8 BEND	4.00		\$7.41	E	\$29.64	0.00	E	0.00
13	3 NH COMBO	1.00		\$14.74	E	\$14.74	0.00	E	0.00
14	3 NH RED COMBO	1.00		\$11.66	E	\$11.66	0.00	E	0.00
15	3 NH SHORT REDUCER	1.00		\$5.66	E	\$5.66	0.00	E	0.00
16	2 NH 1/8 BEND	2.00		\$5.54	E	\$11.08	0.00	E	0.00
17	Cost Code: NO HUB COUPLINGS-HUSKY								
18	3 NH HUSKY COUP	8.00		\$11.77	E	\$94.13	0.72	E	5.76
19	2 NH HUSKY COUP	6.00		\$10.18	E	\$61.06	0.48	E	2.88
20	Cost Code:								
21	1/2" ATR COUPLING	4.00		\$0.43	E	\$1.72	0.03	E	0.12
22	3/8 HDI	3.00		\$3.09	E	\$9.26	0.50	E	1.49
23	1/2 HDI	4.00		\$4.86	E	\$19.45	0.50	E	1.98
24	Cost Code: SUPPORTS/ACCESORIES								
25	B22-SOLID GALV.STRUT	40.00		\$4.72	E	\$188.72	0.08	E	3.00
26	1/2 ALL THREAD	20.00		\$0.99	E	\$19.84	0.08	E	1.50
27	1/2 FLAT WASHER	8.00		\$0.05	E	\$0.40	0.01	E	0.12
28	1/2 HEX NUT	8.00		\$0.08	E	\$0.60	0.03	E	0.24
29	3 RISER CLAMP PLN	1.00		\$2.63	E	\$2.63	0.45	E	0.45
30	Cost Code: HANGERS								
31	3 CLEVIS HANGER GAL	4.00		\$3.83	E	\$15.32	0.45	E	1.80
32						\$1,758.37			37.42





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 22, 2018

ELECTRONIC TRANSMISSION

Mike Wickham, Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 038 – Monokote Travel and Set-Up – No Detail**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work for Infinity Drywalls COR 023 for fireproofing 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.) **Furnish material and labor to install fireproofing - Cost consist of travel and setup time.**

- Furnish material and labor to install fireproofing onto the north wall of Storage and The procedure Room between columns EE and FF. Work was canceled due to complications with approved details. Cost consist of travel and setup time. Approved detail did not reflect the correct locations per the IOR.

The total COR amount to complete the changes listed above is \$1,345.00.

Sincerely,

STRONGHOLD ENGINEERING, INC.

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

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PROPOSAL/ESTIMATE STRONGHOLD ENGINEERING, INC.

DATE: 22-Jun-18

CONTRACT TITLE: RUHS 2nd Floor Cath Lab

CONTRACT NO: 0843-000-7374

TO: Mike Wickham - Kitchell

COR 038

DESCRIPTION: Travel and Setup for Monokote for Incorrect Detail

		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			1,103	
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)			\$ 1,102.54	
19.	Overhead and Profit	10.0% of line 18 Included	10.0%	110	
20.	Profit	5.0% of line 18+19	5.0%	55	
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 1,267.92	
22.	Sub Contractor Bond Premium	1.0% of line 20 Included			
23.		of total change			
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 1,268.00	

Sub's Remarks:

		SUMMARY			Revisions/comments
24.	Prime Contractor's work (from line 10)			-	
25.	Sub-contractor's work (from line 23)			1,268	
26.	SUBTOTAL (add lines 24 & 25)			\$ 1,268.00	
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%	63	
30.	SUBTOTAL (add lines 26-29)			\$ 1,331.40	
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	13	
32.	TOTAL COST (add lines 30 & 31)			\$ 1,345.00	

Prime Contractor name: Stronghold Engineering, Inc.

Sub-contractor name: Infinity

Signature and title of Preparer

Date 06/22/18

VP of General Construction

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

06/05/18



Attention: Camille Crites
Project: Riverside Medical Cath Lab
Reference: Misc Fireproofing
Infinity COR#: 023

Furnish material and labor to install fireproofing onto the north wall of Storage and The procedure Room between columns EE and FF. Work has been canceled due to complications with approved details. Cost consist of travel and setup time. See EWA 1686.

Description	Quantity	Unit	Cost	Total
LABOR				
Plaster Foreman	8	Hours	\$81.16	\$649.28
Plaster Journeyman	6	Hours	\$75.54	\$453.26
Total Labor:				\$1,102.54
			Subtotal:	\$1,102.54
			15%Overhead & Profit:	\$165.38
			Subtotal:	\$1,267.92
			TOTAL:	\$1,267.92

The total for the above changes will be an **ADD** of: **\$1,268**

Respectfully,
Infinity DW Contracting, Inc.

Project Manager
Jason Hernandez

EWA# 1686

INFINITY DW CONTRACTING, INC.

EXTRA WORK AUTHORIZATION!

JOB SITE: CATH 17-069

DATE: 6-1-18

GEN. CONTRACTOR: Stronghold

GC REF #: _____

DESCRIPTION OF WORK: Stronghold General directed Infinity to spray on Application of fireproof MK-6 into 2 Locations, Dwayne Kelly from Stronghold directed work to be performed. North wall of storage room and North wall of procedure room between column EE and FE. Cancel work due to Approved detail not reflecting exact conditions per the IOR

DATE / TRADE / HOURS WORKED:

TOTAL HOURS

DATE / TRADE / HOURS WORKED:	TOTAL HOURS
<u>6-1-18 Foreman James Vasquez</u>	<u>6 hr</u>
<u>6-1-18 Trucking Foreman James Vasquez</u>	<u>2 hr</u>
<u>6-1-18 Journeyman Miguel Alarcon</u>	<u>6 hr</u>

MATERIAL / EQUIPMENT USED:

WORK COMPLETED YES NO

ADDITIONAL EWAs RELATING TO EXTRA WORK: _____

FOREMAN SIGNATURE: James Vasquez
GENERAL CONTRACTOR REPRESENTATIVE SIGNATURE: _____



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 25, 2018

ELECTRONIC TRANSMISSION

Mike Wickham, Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 041 – Repair Existing FSD in Storage Room F2035**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work for ACCO in response to RFI 077 for the RUHS 2nd Floor Cath lab Project. Instead of adding a new FSD, the existing FSD was repaired and made compliant to current code standard. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1.) Repair Existing FSD in Storage Room F2035 (3 Hours)

A. Reference RFI 077. FSD was repaired instead of replacing with a new FSD in Room F2035.

The total COR amount to complete the changes listed above is \$341.00.

Sincerely,

STRONGHOLD ENGINEERING, INC.

Shane Papp
Project Manager

BUILDING CONSTRUCTION EXCELLENCE

www.strongholdengineering.com

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

DATE: 25-Jun-18

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

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

TO: **Mike Wickham - Kitchell**

COR 041

DESCRIPTION: **Repair 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	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			183
12.	Sales Tax on Materials	9.00% of line 11	Included	9.00%
13.	Direct Labor			95
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)			\$ 278.00
19.	Overhead and Profit	10.0% of line 18	Included	10.0%
20.	Profit	5.0% of line 18+19		5.0%
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 321.09
22.	Sub Contractor Bond Premium	1.0% of line 20	Included	
23.				
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 321.09

Sub's Remarks:

		SUMMARY		Revisions/comments
24.	Prime Contractor's work (from line 10)			-
25.	Sub-contractor's work (from line 23)			321
26.	SUBTOTAL (add lines 24 & 25)			\$ 321.09
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%
30.	SUBTOTAL (add lines 26-29)			\$ 337.14
31.	Prime Contractor's Bond Premium	1.00% of line 30		1.0%
32.	TOTAL COST (add lines 30 & 31)			\$ 341.00

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

Sub-contractor name: **ACCO**

Signature and title of Preparer

Date 06/25/18

VP of General Construction



Extra Work Proposal Labor and Material Breakdown

ACCO Job # : 611028

Date : 5/21/2018

Job Name : RUHS Catheterization Lab Project

Extra Work Proposal # : 15

Description of work:

Repair Existing CFSD

Pricing Breakdown:

Equipment		\$0
Sheet Metal-Shop		\$0
Lining Shop		\$0
Welding Shop		\$0
Teamsters		\$0
Sheet Metal-Field		\$275
HVAC Piping-Shop		\$0
HVAC Piping-Field		\$0
Rigging		\$0
Systems Operations		\$0
Project Engineering / Management		\$0
Rentals		\$0
Jobsite Expenses		\$0
Misc.		\$0
Sales Tax	9.50%	\$0
Warranty Reserve		\$3
DIRECT JOB COST		\$278
+ Unit Pricing Costs		\$0
TOTAL COST		\$278
+ Overhead	10%	\$28
+ Profit	5%	\$14
Total ACCO Price		\$321
Subcontracts		\$0
+ Subcontracts Overhead/Profit	15%	\$0
+ Bond	0.00%	\$0
Total Extra Work Proposal Price		\$321

Time extension required because of labor added by this change is _____ workdays.
 This proposal is based on 3 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 #: 15

Job Name: RUHS Catheterization Lab Project Job #: 611028 Date: 5/21/2018

Sheet Metal - Field	Hrs (ST)	Hrs (OT)	Hrs (DT)	Labor \$	Material \$	TOTAL \$
Install Accessories	2	-	-	181	-	\$ 181
Foreman	1	-	-	95	-	\$ 95
Sheet Metal (Field) Totals:	3	-	-	275	-	\$ 275



**WORK AUTHORIZATION
TIME & MATERIALS**

Phone: 818-244-6571 / Fax: 818-545-0847

ACCO Job # **611028**

Customer PO # _____

Bill to: **Stronghold**

Attn: **Dwayne Kelly** Phone # _____

Job Name **RUHS**

Address: _____

Order date: **2-12-18** Start date: **2-16-18**

JOB DESCRIPTION: Repaired existing FSD in storage room F2035.

MATERIALS (1)		OFFICE ONLY		LABOR (2)			OFFICE ONLY	
QTY	DESCRIPTION / PO # and VENDOR	UNIT	TOTAL	QTY OF MEN	CODES & UNION #	TOTAL HOURS	RATE	TOTAL
	Jesse Larkins			1	F	2		
SUB-TOTAL				SUB-TOTAL INCLUDING FRINGE, INSURANCE and TAXES				
SALES TAX				SUPERVISION				
				TRAVEL PAY / SUBSTANCE				
				HAND TOOLS				
TOTAL MATERIALS (INCLUDING TAX) (1)				TOTAL LABOR (2)				
EQUIPMENT & TOOLS (3)		OFFICE ONLY		SUBCONTRACTORS (4)		Work Order #	TOTAL	
	TIME	RATE	TOTAL					
PIPE MACHINE								
WELDING MACHINE								
HYDRO TEST PUMP				TOTAL SUBCONTRACTORS (4)				
AIR COMPRESSOR				COST SUMMARY				
PICKUP TRUCK				DESCRIPTION			TOTAL	
SHOP TRUCK				(1) MATERIALS (INCLUDING TAX)				
FORKLIFT				(2) LABOR				
SCISSOR LIFT				(3) EQUIPMENT & TOOLS				
OTHER:				(4) SUBCONTRACTORS				
				DIRECT COST SUBTOTAL				
				OVERHEAD COST @ %				
				TOTAL COSTS				
				PROFIT @ %				
TOTAL EQUIPMENT & TOOLS (3)				AMOUNT DUE				

CODES: D - DRAFTSMAN E - ENGINEER F - FOREMAN GF - GENERAL FOREMAN J - JOURNEYMAN
O - OTHER P - PLUMBER PF - PIPEFITTER T - TEAMSTER SM - SHEETMETAL

THIS JOB (circle one): (IS) or (IS NOT) COMPLETE

I HEREBY ACKNOWLEDGE THAT THE ABOVE WORK WAS AUTHORIZED AND COMPLETED.

Jesse Larkins 2-20-18
ACCO's Signature Date

Dwayne Kelly 2/20/18
Customer's Signature Date

Jesse Larkins
Print Name

Print Name



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"/>	
	<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.: 077

DATE: 2/1/2018

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

REFERENCE: Smoke Fire Damper Return Duct

LOCATION: 2ND Floor Cath Lab - Storage Room going into office space

DESCRIPTION:

Please confirm if a second smoke fire damper is needed for the return duct running into the corridor from the storage room into existing office space.

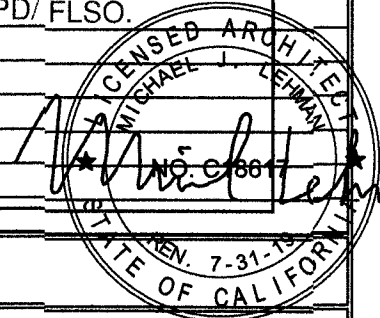
SCHEDULE IMPACT Depending on Response FINANCIAL IMPACT Depending on Response ATTACHMENTS

RESPONSE NEEDED BY: DATE: 2/7/2018

REPLY:	Verify existing smoke fire damper (SFD) at existing supply air duct 20"x10" penetrating two fire rated walls as shown on page 2. If SFD is missing at any of the locations, contractor to add new SFD. The intent is to bring the any unforeseen condition to comply with current code standard. This will require review by OSHPD/ FLSO.
RP	
Ewing Cole	
Date: 02/05/2018	

(SIGNATURE) Dwayne Kelly

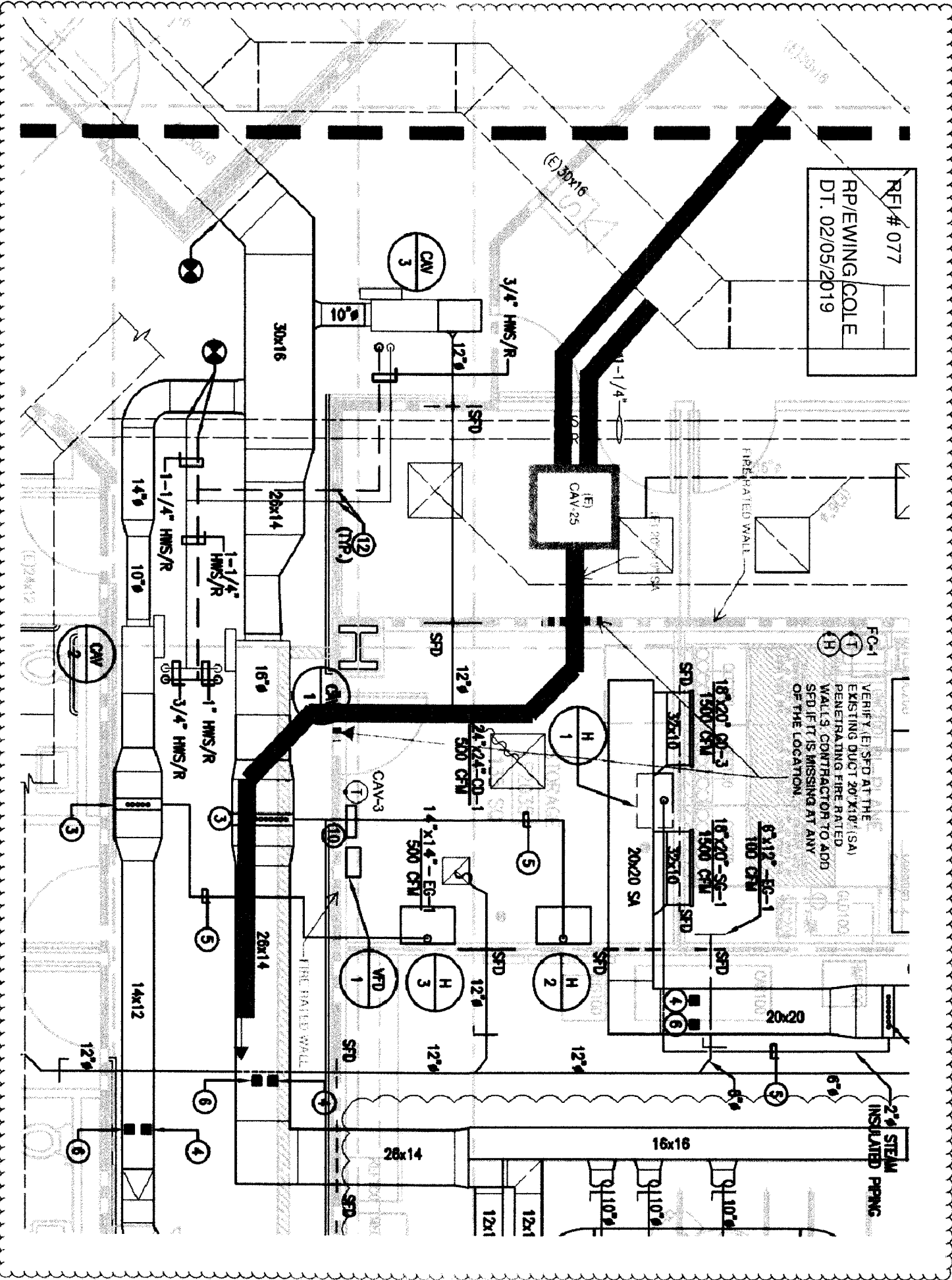
(TITLE) Project Superintendent



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 # 077

REI# 077
 RP/EWING COLE
 DT. 02/05/2019



FC-1
 VERIFY I.E. SFD AT THE
 EXISTING DUCT 20" X 10" (SA)
 PENETRATING FIRE RATED
 WALLS. CONTRACTOR TO ADD
 SFD IF IT IS MISSING AT ANY
 OF THE LOCATION.

2" STEAM
 INSULATED PIPING



STRONGHOLD ENGINEERING, INC.

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

Established 1991

July 10, 2018

ELECTRONIC TRANSMISSION

Mike Wickham, Construction Manager
Kitchell

Project: S161619-33-00 Second Level Catheterization Lab Build-Out
Re: **COR 043 – Fire Sprinkler 1st Floor RFI 197**

Dear Mr. Wickham,

Stronghold Engineering, Inc. (Stronghold) has reviewed the scope of work for Infinity in response to RFI 197 for temporary relocation of fire sprinklers for the RUHS 2nd Floor Cath lab Project. Only one fire sprinkler had to be temporarily moved at this time. The COR breakdown is shown below that includes the scope of work affected and the time impact associated with each scope of work.

1. Fire Sprinkler 1st Floor RFI 197

A. Parts and time to remove and plug one drop and reinstall at a later date in 1st floor room below Cath lab to maintain rating during construction and installation of steel.

The total COR amount to complete the changes listed above is \$1,601.00.

Sincerely,
STRONGHOLD ENGINEERING, INC.

Shane Papp
Project Manager

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

DATE: 10-Jul-18

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

CONTRACT NO: 0843-000-7374

TO: **Mike Wickham - Kitchell**

COR 043

DESCRIPTION: **Fire Sprinkler RFI 197**

		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			50	
12.	Sales Tax on Materials	9.00% of line 11 Included	9.00%		
13.	Direct Labor			1,250	
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)			\$ 1,300.00	
19.	Overhead and Profit	10.0% of line 18 Included	10.0%	130	
20.	Profit	5.0% of line 18	5.0%	65	
21.	SUBTOTAL (Add Lines 18 & 19)			\$ 1,495.00	
22.	Sub Contractor Bond Premium	1.0% of line 20 Included		15	
23.		of total change			
24.	SUBTOTAL (Add Lines 20 - 22)			\$ 1,510.00	

Sub's Remarks:

		SUMMARY			Revisions/comments
24.	Prime Contractor's work (from line 10)			-	
25.	Sub-contractor's work (from line 23)			1,510	
26.	SUBTOTAL (add lines 24 & 25)			\$ 1,510.00	
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%	76	
30.	SUBTOTAL (add lines 26-29)			\$ 1,585.50	
31.	Prime Contractor's Bond Premium	1.000% of line 30	1.0%	16	
32.	TOTAL COST (add lines 30 & 31)			\$ 1,601.00	

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

Sub-contractor name: **Assured Fire**

Signature and title of Preparer

Date 07/10/18

VP of General Construction



ASSURED

FIRE SYSTEMS, INC

Proposed change order #3 for RUHS Bi Plane Cath. Lab

Project number: 17008

Date :07/09/18

1. Remove and plug one drop and reinstall at a later date in 1st floor room below cath lab:
Parts: \$50
Time: 10 hrs. @125/hr.=1,250.00
Total: \$1,300.00

Total for all items: \$1,300.00



STRONGHOLD ENGINEERING, INC.

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

OSHPD REVIEW REQUIRED:			SIGNATURE
DSE	YES	NO	
FLBO	<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.: 197

DATE: 7/3/2018

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

REFERENCE: 1st Floor Steel Install

LOCATION: Cath Lab

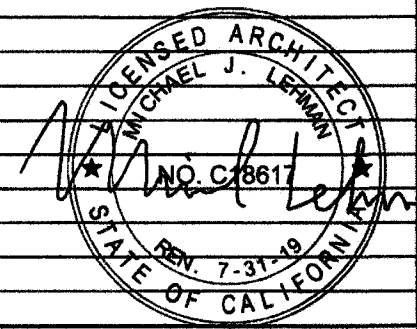
DESCRIPTION:

There are 3 sprinklers that need to be temporarily moved for installation of steel in the 1st floor (1 in the bathroom, 1 in the storage room and 1 in the radiology area). Please confirm that Stronghold can temporarily move these sprinkler head for installation of steel next week. Please see attached photos.

FINANCIAL IMPACT Depending on Response ATTACHMENTS 5

RESPONSE NEEDED BY: _____ DATE: ASAP

REPLY: Bating of existing walls should be maintained during temp construction work per fire life safety requirements. This is a means and methods of construction. This is a non-materially altering change 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 # 197