



June 3, 2014

Honorable Board of Supervisors
County of Alameda
1221 Oak Street, Suite 536
Oakland, California 94612-4305

Dear Board Members:

SUBJECT: INCREASE THE CONTRACT WITH CLARK DESIGN/BUILD OF CALIFORNIA, INC. FOR CHANGES TO THE SECURITY, ELEVATOR AND PUBLIC BRANCH EXCHANGE/CRITICAL FUNCTIONS MONITORING SYSTEMS, AND THE NEONATAL INTENSIVE CARE UNIT NEEDED TO MEET REGULATORY REQUIREMENTS FOR THE HIGHLAND HOSPITAL ACUTE TOWER REPLACEMENT PROJECT'S NEW ACUTE CARE TOWER; PROJECT NO. CPP05C204300000; CONTRACT NO. 4759; MASTER CONTRACT NO. 900684; AMOUNT: \$2,378,588.

RECOMMENDATION:

Approve an increase to Master Contract No. 900684, Procurement Contract No. 4759 with Clark Design/Build of California, Inc. (Principal: Steve Dell'Orto; Location: Oakland) from \$445,848,065 to \$448,226,653, an amount not to exceed \$2,378,588, to implement design and construction changes for the new Acute Care Tower's security system, the Public Branch Exchange/Critical Monitoring System, the elevator system, and the Neonatal Intensive Care Unit to meet California Office of Statewide Health Planning and Development building requirements and California Department of Public Health licensing requirements.

DISCUSSION/SUMMARY:

Alameda County performed an Evaluation Study in accordance with the requirements of SB 1953, the State's Seismic Retrofit Program. The Study determined that the existing structure called the "Acute Tower" at Highland Hospital did not meet the new seismic requirements and could not be cost-effectively retrofitted. In the Compliance Plan submitted to the Office of Statewide Healthcare Planning and Development (OSHPD), the County committed to removing the structure from service. Under the terms of SB 1953/SB 306, this must occur on or before January 1, 2020.

On November 3, 2009, your Board approved the Award of a Design/Build Contract to Clark Design/Build (Item #16, File #25434) to construct the Highland Hospital Acute Tower Replacement (ATR) Project. In that contract, the General Services Agency (GSA) Director was delegated authority to implement the contract and approve change orders up to \$150,000. On December 6, 2011, your Board approved an increase in the change order amount to \$210,000 (Item #16, File #27786) consistent with a change in the Public Contract Code. (Board approval for change orders above \$210,000 is needed prior to the GSA Director signing the change order.)

The Construction Documents for Phase II of the ATR Project, the new Acute Care Tower (ACT), were completed in October 2011 and submitted to OSHPD for plan check. The final building permit for the ACT was issued by OSHPD to the County on January 21, 2013.

Between October 2011 and May 2014, the ATR Project Team, which includes Clark Design/Build, the architect of record, Smith Group, Vanir Construction Management, as well as staff from the County General Services Agency and Sheriff's Department, and the Alameda Health System (AHS), received and evaluated review comments from OSHPD and the California Department of Public Health (CDPH) and kept abreast of new rules and regulations developed by these organizations in order to pro-actively monitor and manage potential impacts of changes on the successful completion and licensing of the ACT.

The ATR Project Team has determined that design and construction changes are required to the design completed in October 2011 in order to successfully receive a building occupancy permit (currently anticipated in December 2015) and license the building (currently anticipated in April 2016). The ATR Project Budget includes funds for these items in the ATR Project scope and construction contingency budget. GSA is requesting authorization to negotiate change orders in an amount not to exceed \$2,378,588 as described and itemized below.

Security System

During the development of the ATR Project's Bridging Documents in 2007 and 2008, requirements for card readers in the new ACT were identified as located at perimeter doors, stairwells, elevator lobbies, and elevator cabs only. Clark's proposal included 248 card readers in the base design to meet this contractual requirement. During the continued development of the design and during operational reviews with the County Sheriff and AHS, the need for an additional 50 card readers and a head end controller was identified and confirmed as needed by the ATR Project Team. Vanir Construction Management has recommended that the County execute a change order to Clark Design/Build in the amount of \$467,239 for the cost of this change.

Elevator System

In response to CDPH concerns that one freight elevator would be used to service both the kitchen and the basement area of the ACT, as was provided in the original design, the ATR Project Team presented operational protocols to address potential cross contamination of food with other building activities. CDPH stated that they would not accept the proposed operational protocols, which then required the addition of a single stop freight elevator to service the basement area from the loading dock in order to ensure licensing of the food service area in the ACT. Vanir Construction Management has recommended that the County execute a change order to the Clark Design/Build contract in the amount of \$515,592 for the cost of this change.

Public Branch Exchange (PBX) / Critical Functions Monitoring System

In order to safely and efficiently provide 24x7 staffing and monitoring of the Highland Campus PBX / Critical Functions Monitoring System from a single location, as required by OSHPD and CDPH, and as needed to avoid long term operational expenses related to redundant staffing, the existing PBX Room located in the K-Building requires remodeling. The layout of the PBX room has to be redesigned to provide for logical placement of nine monitoring panels and to ensure efficient and ergonomically appropriate line of sight for staff observation of the panels. In addition, temporary monitoring services for these systems is needed during the planning and construction of this remodel. Vanir Construction Management has recommended that the County execute change orders to the Clark Design/Build contract in amount of \$795,757 for the cost of these changes.

Neonatal Intensive Care Unit (NICU)

The original design for the NICU, as developed in October 2011 and as submitted to OSHPD, was not accepted by OSHPD. Clark/Smith Group and Vanir Construction Management informed the County of OSHPD's comments in November 2012. In response, the County and AHS worked with the ATR Project Team to propose an Alternate Means of Compliance (AMC) in order to gain approval of the desired NICU plan. However, OSHPD did not accept the AMC.

Clark/Smith Group prepared a second plan to address OSHPD's comments and presented it to GSA and AHS on November 30, 2012, but this second plan was not accepted by AHS as it did not meet AHS operational and staffing needs and was unlikely to meet licensing requirements.

As recommended by Clark/Smith Group and Vanir Construction Management, the County accepted the second plan for submittal to OSHPD on December 3, 2012 to avoid delays in permitting of the ACT. OSHPD approved the ACT plans on December 21, 2012 which maintained the ACT project permitting schedule. The County then issued a request for a change order proposal to reconfigure the NICU to meet AHS operations needs and CDPH requirements.

A third plan was developed by Clark/Smith Group. OSHPD reviews and comments on this plan indicate that it will be approved. The plan has also been confirmed to meet AHS operational needs and CDPH licensing requirements. While this has been a lengthy process, the County and AHS, by working cooperatively with Clark/Smith Group and Vanir Construction Management, have avoided the costs of redesigning large segments of Floor 4 of the ACT or delaying the permitting of the entire building. AHS approved a reduction in the originally approved program, including the elimination of an isolation bay, and worked with the ATR Project Team to operationalize the changes within the previously identified NICU area.

Vanir Construction Management has recommended that the County execute a change order to the Clark Design/Build contract in the amount of \$450,003 for the cost of this change. However, since Vanir and Clark have not completed negotiations on this change order, GSA is requesting authorization in an amount not to exceed \$600,000 pending final negotiations.

SELECTION CRITERIA AND PROCESS:

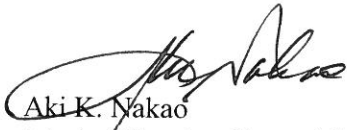
The Outreach Program proposed by Clark is one that should enable the ATR project outreach goals/requirements to be met and likely exceeded, and could also be used to benefit future County projects. Their proposal included detailed information about programs and plans already developed and being utilized for outreach, local employment, mentoring and a strong community involvement, including a plan to achieve 78% local, 21% certified small local, 18% minority, and 6% woman-owned participation, all in excess of the goals set forth in the Enhanced Construction Outreach Program. Your Board was provided information on Enhanced Construction Outreach Program and Small, Local Emerging Business compliance in the Highland ATR Monthly Report, last distributed on May 13, 2014.

The Clark proposal clearly communicated that the objective of their Outreach Program was for long term results and participation. Clark is also actively participating in the County's First Source Program and has committed to implementing Business Assistance Programs, Youth Employment Programs, and Local Employment Programs as part of the ATR Project.

FINANCING:

Appropriations for scope and construction change contingencies are included in the Highland Hospital ATR Project's FY 2014-2015 Approved Budget. This increase is within the approved budget. No additional appropriations are needed, and there will be no increase in net County cost.

Respectfully submitted,



Aki K. Nakao
Interim Director, General Services Agency

AKN:JRK:HJ:sw: i:\board letters\tsd\14-15 fiscal
ear\2043.bos.06.24.14.tsd.clarkco.nicu.pbx.elevator\2043.bos.06.24.14.tsd.clarkco.nicu.pbx.elevator.docx

cc: Susan S. Muranishi, County Administrator
Patrick J. O'Connell, Auditor-Controller
Donna R. Zeigler, County Counsel
Alex Briscoe, Director, Health Care Services Agency
Wright Lassiter III, CEO, Alameda Health System



COUNTY OF ALAMEDA
OAKLAND HOSPITAL ACUTE TOWER REPLACEMENT PROJECT

CHANGE ORDER #
ACT-110

Project: Contract No.: 4759
Phase 1, 2 & 3 Acute Tower Replacement Project
From: Ann Ludwig
Owner: County of Alameda - General Services Agency
Address: 1401 Lakeside Drive, Eighth Floor
Oakland, CA 94612

Date: 7/21/2014
To: Kate Twomey
Company: Clark Design/Build of California, Inc.
Address: 180 Howard Street, Suite 1200
San Francisco, CA 94105

Phase 2 - Acute Care Tower			
PCO	243		\$638,625
Description:	Provide all design, labor, materials, tools, and equipment necessary to reconfigure the ACT NICU to reflect the layout as agreed in DRF No 334.		
Reason:	Revisions were necessary to address AHS user comments.		
Total Cost of This Change Order			538,625

Original Contract Amount	\$	430,800,000.00
Previously Approved Change Order(s)	\$	17,786,887.00
Amount of this Change Order		538,625
Revised Contract Amount	\$	449,135,492.00

Original Completion Date Phase 1	8/18/2012
Previously Approved Calendar Day(s) Extension	212
Calendar Day(s) Extension this Change Order	0
Revised Completion Date Phase 1	3/18/2013
Original Completion Date Phase 2	3/10/2016
Previously Approved Calendar Day(s) Extension	(153)
Calendar Day(s) Extension this Change Order	0
Revised Completion Date Phase 2	10/9/2015
Original Completion Date Phase 3	9/9/2017
Previously Approved Calendar Day(s) Extension	0
Calendar Day(s) Extension this Change Order	0
Revised Completion Date Phase 3	9/9/2017

SCANNED



COUNTY OF ALAMEDA

HIGHLAND HOSPITAL ACUTE TOWER REPLACEMENT PROJECT

CHANGE ORDER #
ACT-110

Project: Contract No. 4759
Phase 1, 2 & 3 Acute Tower Replacement Project

Date: 7/21/2014

This is an all inclusive final Change Order and, pursuant to paragraph 1.3.5 of Section 012600 (Contract Modification Procedures), shall constitute a full accord and satisfaction, and release, of all Design Builder (and if applicable, Subcontractor) claims for additional time, money or other relief arising from or relating to the subject matter of the change including, without limitation, impacts of all types, cumulative impacts, inefficiency, overtime, delay, and any other type of claim.

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

Submission of sums which have no basis in fact or which Design Builder knows are false are at the sole risk of Design Builder and may be a violation of the False Claims Act set forth under Government Code section 12650, et seq. It is understood that additive changes to the Contract Amount exceeding \$210,000 shall only be effective when approved by the County Board of Supervisors (BCS) and additive changes to the Contract Amount of less than \$210,000 shall only be effective when approved by the BCS or by the Director of the General Services Agency (so long as Director approved changes do not exceed \$4 million in the aggregate).

It is expressly understood that the value of extra Work or changes expressly includes any and all of the Design Builder's costs and expenses, both direct and indirect, resulting from additional time required on the Project or resulting from delay to the Project. Any costs, expenses, damages or time extensions not included are deemed waived.

CAUTION: THIS IS A WAIVER- READ BEFORE SIGNING

<u>Marie Spalena</u>	<u>07.29.14</u>
Design Builder Agrees	Date
N/A - See Attached Documents for Architect's Approval	
<u>[Signature]</u>	<u>08/01/2014</u>
Architect Approved	Date
<u>[Signature]</u>	<u>8/5/14</u>
Inspector Acknowledges	Date
<u>[Signature]</u>	<u>8/6/14</u>
Construction Manager Recommended	Date
<u>[Signature]</u>	<u>8/7/14</u>
GSA Program Manager Recommended	Date
<u>[Signature]</u>	<u>8/7/14</u>
County of Alameda Approved	Date

ACUTE CARE TOWER
PCO# 243



Construction Management, Inc.

1330 Broadway, Suite 802
Oakland, CA 94612
Tel: 510-267-9710
Fax: 510-267-9721

July 18, 2014

Nate Demary
Project Engineer
Clark Design/Build of California
7677 Oakport Street, Suite 1040
Oakland, CA 94621

Subject: County of Alameda Highland Hospital Acute Tower Replacement, Project No. 2043
PCO #243 (Clark D/B PCO #810276) – Provide Reconfiguration of ACT NICU per
ACD I4-033

Nate:

Vanir Construction Management has reviewed Clark Design/Build's COR to provide reconfiguration of the ACT NICU in the amount of \$981,472 submitted on March 12, 2014. Vanir Construction Management's review and final assessment is based on weeks of discussions between Vanir Construction Management and Clark Design/Build and their Trade Contractors, resulting in resubmitted pricing from Clark Design/Build Trade Contractors based on our meetings/discussions, revised Vanir estimates, and negotiated settlements.

Please reference the attached cost analysis and qualifications that Vanir has prepared based on the review of your COR. This cost analysis includes adjustments to Vanir's estimate based on final negotiations.

In summary, Vanir has calculated a total settlement value of \$538,625 for this scope of work. This amount was agreed to by Vanir/GSA and Clark Design/Build during our PCO Coordination Meeting of July 10, 2014. Therefore, the total calculated amount of \$538,625 represents full and final settlement for this scope of work. This Vanir Cost Review Memo in the amount of \$538,625 will be incorporated into the next Owner Financial Change Order.

If you have any questions please don't hesitate to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "John Powers", with a stylized, flowing script.

John Powers
Senior Project Manager
Vanir Construction Management, Inc.

cc: Tom McKinney – GSA
Karl Schultz – VCM
Katie Twomey – CDB

COST SUMMARY SHEET:

County of Alameda Highland Hospital Acute Tower Replacement Project

Project #: 2043
 PCO #: 243
 Estimator: VCM
 Estimate: Proposal Analysis / Estimate
 Scope of Work: Provide Changes to NICU at ACT per ACD 14-033

Subconsultant Proposals:

Item #	Subconsultant	Reason for Cost	Amount	Notes
1	N/A		\$ -	
A. Subconsultant Proposals:			\$ -	

Trade Contractor Proposals:

Item #	Trade Contractor	Reason for Cost	Amount	Notes
1	CEI	See estimate	\$ 47,677.00	CDB/CEI accepted VCM's estimate
2	PCI	See estimate	\$ 68,359.00	CDB accepted VCM's estimate
3	FWS	See estimate	\$ 225,000.00	Negotiated settlement with CDB on 7-10-14 during PCO meeting
4	GFE	See estimate	\$ 6,182.00	Revised GFE estimate accepted by VCM
5	D&B Painting	See estimate	\$ -	Revised D&B estimate accepted by VCM
6	Cosco	See estimate	\$ 6,403.00	Negotiated settlement with CDB
7	Anderson	See estimate	\$ -	Negotiated settlement with CDB
8	Corbin/SEC	Specialties/Doors/Casework	\$ 36,503.00	CDB accepted VCM's estimate
9	Vomar	See estimate	\$ 529.00	CDB accepted VCM's estimate
10	AMG	Temp Protection	\$ 20,000.00	COR received and negotiated during 7-10-14 PCO meeting
B. Trade Contractor Proposals:			\$ 410,653.00	

General Contractor Proposals:

Item #	General Contractor	Reason for Cost	Amount	Notes
1	CDB	Re-coordination/BIM	\$ 30,000.00	Negotiated during 7-10-14 PCO meeting with CDB.
C. General Contractor Proposals:			\$ 30,000.00	

D. Sum Total Change Costs (Calculated A+B+C): \$ 440,653.00

E. Design Fee Compensation (calculated from D): @ 8% \$ 54,000.00

Design fee based on \$675k in calculated adds associated with this scope of work.

F. Sum Total Change Costs (Calculated from D+E): \$ 494,653.00

G. GC Mark-Up (Calculated from F): @ 5% \$ 24,732.65

H. GC CCIP Insurance (Calculated from F): @ 1.95% \$ 9,645.73

I. GC General Liability Insurance (Calculated from F): @ .0075% \$ 37.10

K. SUB TOTAL COST (F+G+H+I): \$ 529,068.48

L. GC Bond (Calculated from K): @ 1.80825% \$ 9,556.56

M. TOTAL COST (K+L): \$ 538,625.05



PCO NO
 ACT - ~~228~~ 243 #

- Request For Proposal (RFP)
- Construction Change Directive (CCD)
- Force Account Work (FA)



PROJECT: Highland ATR #4750 DATE: 6/10/13
 Phase I - Satellite Building

FROM: Alvin Lee TO: Katie Twomey
 Yanir Construction Management Clark Design Build of California, Inc.
 1330 Broadway, Suite 802 7877 Oakport Street, Suite 1040
 Oakland, CA 94612 Oakland, CA 94621

- Provide detailed itemized Cost Proposal per Section 012800, P 1.2.6
- Proceed with CCD, Pricing Mutually Agreed of \$ _____, per Section 012800, P 1.2.4
- Proceed with CCD, Force Account, NTE \$ 5,000, per Section 012800, P 1.2.4
- Proceed with CCD, Contract Unit Prices, NTE \$ _____, per Section 012800, P 1.2.4

DESCRIPTION OF THE WORK:

In accordance with Document 012800 of the Project Manual, provide all design, labor, materials, tools, and equipment necessary to reconfigure the ACT NICU to reflect the layout as agreed in DRF1 334 (see Attachment A).

Provide revised medical equipment list and quantity and sizes of furniture for this area by 6/25 for County review.

Per CDB correspondence dated 5/17/13 (see attachment B), some work will need to be done in the field immediately in preparation of the upcoming deck pours. The above referenced funds are for the described work.

REASON FOR ADDITIONAL WORK:

Revisions to NICU to address AHS user comments.

FIELD DIRECTION FOR FORCE ACCOUNT WORK:

Clark is to proceed with this scope of work in the field on a T&M basis. All T&M tags associated with this scope of work need to be signed by VCM on a daily basis. At an agreed upon point in time, VCM and CDB will cease tracking on T&M and determine a negotiate price.

Cynthia Potter 6/10/13
 Construction Manager - Recommended Date

Ann Ludwig 6/10/13
 County - Authorized Date

Clark Design/Build of California - Accepted Date

N/A - Design Phase

Inspector - Acknowledged Date

Attachment A



Request For Information

Project [112965] - Highland Hospital ATR View Date 4/24/2013
(Design/Build)

Clark Design/Build of California, Inc.
1411 East 31st Street
Oakland, CA 94612

RFI No. D-00334

Primary Responder	Negin Kohanim Vanir Construction Management, Inc. 1000 Broadway Suite 475 Oakland, CA 94607 Phone: (510) 267-9710 ext. 209 Fax: (510) 663-1881	Date	4/24/2013
CC	Ann Ludwig (General Services Agency - County of Alameda) Jenna Hutcheson (Vanir Construction Management, Inc.) Alvin Lee (Vanir Construction Management, Inc.) Cymbre Potter (Vanir Construction Management, Inc.) Karl Schultz (Vanir Construction Management, Inc.)	Status	Open
From	Marie Speakman Clark Design/Build of California, Inc.	Resolved Date	
		Reason for Request	Confirmation of Instruction
		Action Requested	
		Probable Cost Effect	
		Probable Time Effect	
		Priority	
		Response Due	5/8/2013

Subject ACT: NICU

Drawing No.

Detail No.

CSI Code

Other Ref. No.

112965-00112

Information Requested

Per meeting held on March 19, 2013 between Clark, SmithGroup, Vanir, GSA and ACMC, please confirm the attached revised NICU floor plan.

Upon approval, this will be incorporated into ACD documents.

Recommendation

Initiated By

Marie Speakman (Clark Design/Build of California, Inc.)

Response Information

Responder	Date	Response
Negin Kohanim		

Supporting documents and attached files

This RFI has the following supporting documents and attached files:

Description	Date	Open as
Contractor RFI: 112965-00112NICU	4/3/2013	

Attached file Supporting document

Distribution

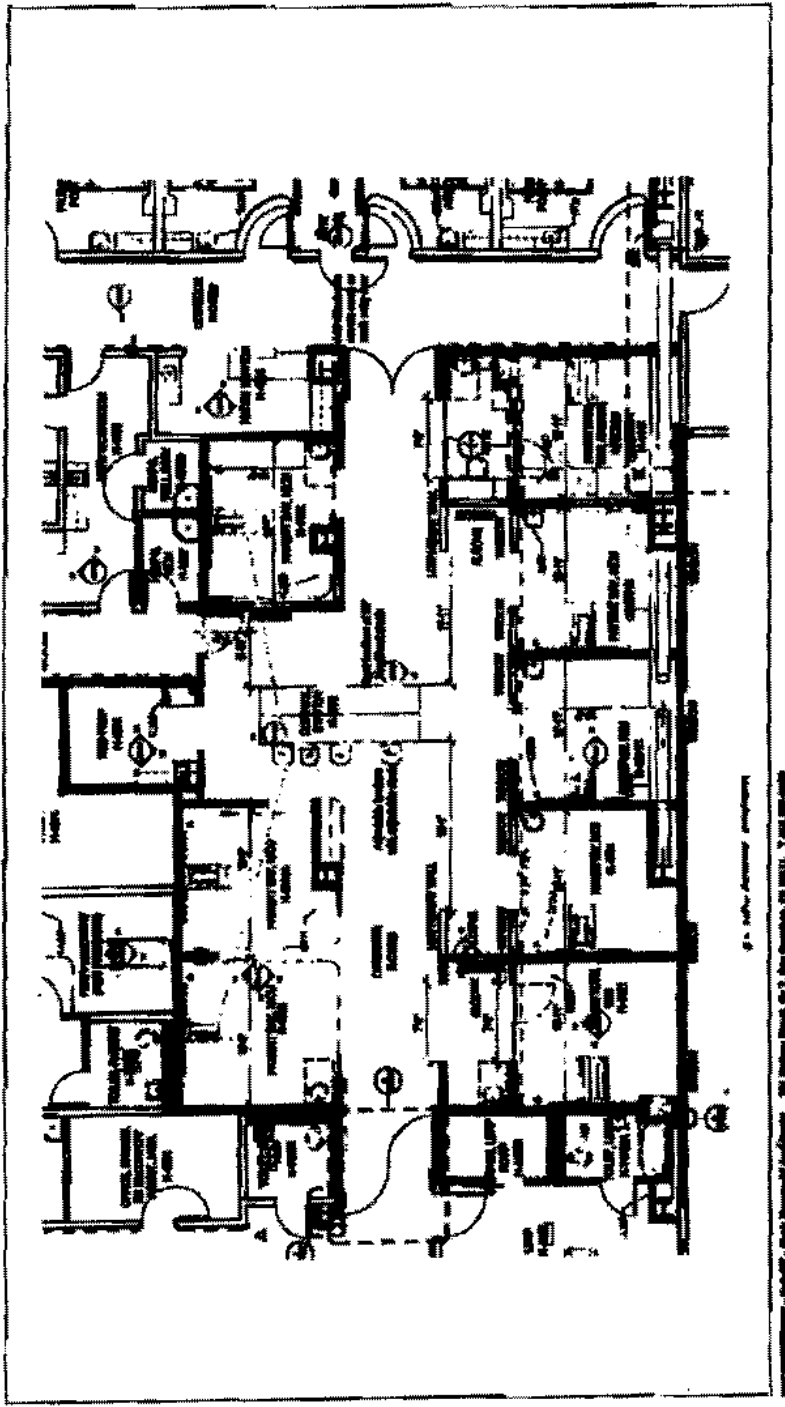
Recipient	Company	Method	Date
Alvin Lee	Vanir Construction Management, Inc.	Email: alvin.lee@vanir.com	4/24/2013
Ann Ludwig	General Services Agency - County of Alameda	Message	4/24/2013
Ann Ludwig	General Services Agency - County of Alameda	Email: ann.ludwig@acgov.org	4/24/2013
Cymbre Potter	Vanir Construction Management, Inc.	Message	4/24/2013
Cymbre Potter	Vanir Construction Management, Inc.	Email: cymbre.potter@vanir.com	4/24/2013
James Hutcheson	Vanir Construction Management, Inc.	Message	4/24/2013
James Hutcheson	Vanir Construction Management, Inc.	Email: james.hutcheson@vanir.com	4/24/2013
Karl Schultz	Vanir Construction Management, Inc.	Message	4/24/2013
Karl Schultz	Vanir Construction Management, Inc.	Email: kari.schultz@vanir.com	4/24/2013
Negin Kohanim	Vanir Construction Management, Inc.	Message	4/24/2013
Negin Kohanim	Vanir Construction Management, Inc.	Email: negin.kohanim@vanir.com	4/24/2013

1/25/52

1/25/52

[Handwritten scribble]

SMITHSONIAN INSTITUTION
 Department of Architecture
 1000 S. MICHIGAN AVE. N.W.
 WASHINGTON, D.C. 20560



Architectural Department
 1000 S. MICHIGAN AVE. N.W.
 WASHINGTON, D.C. 20560



Clark Design/Build of California, Inc.
7677 Oakport Street
Suite 1040
Oakland, CA 94621
Phone: (510) 430-1700
Fax: (510) 430-1705

May 17, 2013

Ms. Ann Ludwig
General Services Agency - County of Alameda
1401 Lakeside Drive
Suite 800
Oakland, CA 94612
Phone: (510) 208-9552
Fax: (510) 208-3995

Project [112965] Highland Hospital ATR (Design/Build)
Subject ACT NICU ACD - DRF 334

Dear Ms. Ludwig:

As per our meeting on May 17, 2013, CDB is to proceed with the ACD design for the ACT NICU layout dated 01 Mar 13, SK -03 NICU Alternate 2. The slab concrete pour for the Level 4 deck's target schedule is on 5/23/13, we will include floor sleeves in this pour using the typical Construction Document detail for the nurse "Control Station" which is not located adjacent to a wall. The intent of the sleeves is to provide a raceway to run services to the "Control Station".

We will evaluate during the complete design process any added user requests that we believe to be an increase to our contract value and will notify you accordingly for discussion. Depending on the timing of the OSHPD approval of the ACD, we may have schedule work around in this area since the rough in coordination will need to be re-reviewed. Thank you for assembling the end users to bring conclusion to the decisions for the NICU.

Sincerely,

CLARK DESIGN/BUILD OF CALIFORNIA, INC.

Katie Twomey
Vice President

cc Marie Speakman (Clark Design/Build of California, Inc.)
Cymbre Potter (Vanir Construction Management, Inc.)
Karl Schultz (Vanir Construction Management, Inc.)

Correspondence No. 00496

Powers, John

From: Nate Demary [system@constructware.com]
Sent: Monday, July 14, 2014 3:06 PM
To: ann.ludwig@acgov.org; Powers, John; katie.twomey@clarkconstruction.com; Dansby, LaDrena; marie.speakman@clarkconstruction.com; Giordano, Melissa; mike.schnitzlein@clarkconstruction.com; Nate.Demary@clarkconstruction.com; Corral, Patricia; Mastalski, Ron; scott.moore@clarkconstruction.com; tegan.sullivan@clarkconstruction.com; tom.mckimmy@acgov.org
Subject: ACT-2014-07-14-810276-NICU Reconfiguration R1
Attachments: Correspondence-01099.0-ACT-2014-07-14-810276-NIC.htm; Final_Owner_Propopsal_per_7.10.2014.pdf

Dear Sir or Madam:

In response to GSA PCO #243, Clark hereby submits Change Order #810276 - NICU Reconfiguration R1. This proposal is to reconfigure the ACT NICU to reflect the revised layout as agreed to during the meeting held on March 19, 2013 between Clark, SmithGroup, Vanir, GSA and AMC and confirmed via DRFI 334.

The attached proposal is per the GSA/VCM/CDB meeting held on 7/10/2014, please take specific note of the listed qualifications.

CLARK PROPOSAL NO. 810276

Description of Change: NICU Reconfiguration R1

Proposed Cost: \$538,625

Schedule Impact: None.

Corresponding Contract Allowance: None.

This proposal is based on the following qualifications:

1) We include all qualifications and exclusions contained in the subcontractor's proposals.

2) We reserve the right to revise this proposal if it is not accepted within fifteen (15) days, or if the progress of the work changes the conditional upon which the proposal was based.

3) This change order includes ECOMP participation in the following amounts:

.LBE: \$349,862

.SLBE: \$56,503

.MBE: \$56,503

.WBE: \$6,182

4) This proposal is per the unapproved ACD 14-033 drawings dated July 12, 2013. Any comments or modifications required due to OSHPD review will be provided in a follow-up proposal.

5) The added control station shown in the NICU drawings is an OFOI item and therefore has not been included in this proposal.

6) This proposal does not include additional signage for the added crash cart alcove.

As always, please feel free to contact me at 510-488-0040 should you have any questions.

Sincerely,

CLARK DESIGN/BUILD OF CALIFORNIA, INC.

Nate Demary



Clark Design/Build of California, Inc.
1411 East 31st Street
Oakland, CA 94612

July 14, 2014

Mr. Scott Moore
Clark Construction Group - California, LP
1411 E 31st Street
Oakland, CA 94602
USA
Phone: (415) 503-0374
Fax: (415) 503-0376

Mr. Tegan O. Sullivan
Clark Construction Group - California, LP (License No.
839892)
1400 6th Street
San Francisco, CA 94158
USA
Phone: (415) 593-7000
Fax: (415) 593-7001

Mr. Nate Demary
Clark Design/Build of California, Inc.
1411 East 31st Street
Oakland, CA 94612
Phone: 510-567-3806
Fax: (213) 621-2277

Mike Schnizlein
Clark Design/Build of California, Inc.
7677 Oakport Street
Suite 1040
Oakland, CA 94621
Phone: (510) 430-1700
Fax: (510) 430-1705

Ms. Marie Speakman
Clark Design/Build of California, Inc.
1411 East 31st Street
Oakland, CA 94612
Phone: (510) 488-0065
Fax: (510) 488-0021

Katie Twomey
Clark Design/Build of California, Inc.
7677 Oakport Street
Suite 1040
Oakland, CA 94621
Phone: (510) 430-1700
Fax: (510) 430-1705

Ms. Ann Ludwig
General Services Agency - County of
Alameda
1401 Lakeside Drive
Suite 800
Oakland, CA 94612
Phone: (510) 208-9552
Fax: (510) 208-3995

Mr. Thomas McKimmy
General Services Agency - County of Alameda
1401 Lakeside Drive
Suite 800
Oakland, CA 94612
Phone: (510) 208-3990
Fax: (510) 208-9711

Ms. Patricia Corral
Vanir Construction Management, Inc.
1330 Broadway
Suite 802
Oakland, CA 94612
Phone: (510) 488-0151

LaDrena Dansby
Vanir Construction Management, Inc.
1330 Broadway
Suite 802
Oakland, CA 94612
Phone: 510-488-0149

Ms. Melissa Giordano
Vanir Construction Management, Inc.
1330 Broadway
Suite 802
Oakland, CA 94612
Phone: (510) 267-9710
Fax: (510) 267-9721

Mr. Ron Mastalski
Vanir Construction Management, Inc.
1411 East 31st Street
Oakland, CA 94602
Phone: (916) 575-8888

Mr. John Powers
Vanir Construction Management, Inc.
1000 Broadway Street
Suite 475

Oakland, CA 94606

Project [112965] Highland Hospital ATR (Design/Build)
Subject ACT-2014-07-14-810276-NICU Reconfiguration R1

Dear Sir or Madam:

In response to GSA PCO #243, Clark hereby submits Change Order #810276 - NICU Reconfiguration R1. This proposal is to reconfigure the ACT NICU to reflect the revised layout as agreed to during the meeting held on March 19, 2013 between Clark, SmithGroup, Vanir, GSA and AMC and confirmed via DRFI 334.

The attached proposal is per the GSA/VCM/CDB meeting held on 7/10/2014.

CLARK PROPOSAL NO. 810276

Description of Change: NICU Reconfiguration R1

Proposed Cost: \$538,625

Schedule Impact: None.

Corresponding Contract Allowance: None.

This proposal is based on the following qualifications:

- 1) We include all qualifications and exclusions contained in the subcontractor's proposals.
- 2) We reserve the right to revise this proposal if it is not accepted within fifteen (15) days, or if the progress of the work changes the conditional upon which the proposal was based.
- 3) This change order includes ECOP participation in the following amounts:
 - LBE: \$349,862
 - SLBE: \$56,503
 - MBE: \$56,503
 - WBE: \$6,182
- 4) This proposal is per the unapproved ACD I4-033 drawings dated July 12, 2013. Any comments or modifications required due to OSHPD review will be provided in a follow-up proposal.
- 5) The added control station shown in the NICU drawings is an OFOI item and therefore has not been included in this proposal.
- 6) This proposal does not include additional signage for the added crash cart alcove.

As always, please feel free to contact me at 510-488-0040 should you have any questions.

Sincerely,

CLARK DESIGN/BUILD OF CALIFORNIA, INC.

Nate Demary

Correspondence No. 01099



COST SUMMARY
 Highland Hospital ATR Project
 Job No. 112965

7/14/2014

Clark Proposal #: B10276
 Description: NICU Reconfiguration

Subcontractor/Reason Proposals:

Item #	Subcontractor	Reason for Cost	Cost Breakdown	Proposed Cost
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A. Subconsultants Proposals:

\$

Subcontractors Proposals:

Item #	Subcontractor	Reason for Cost	Cost Breakdown	Proposed Cost
1	CEI	Electrical	(Attached)	\$ 47,677.00 ✓
2	FWS	HVAC & Plumbing	(Attached)	\$ 225,000.00 ✓
3	PCI	Drywall	(Attached)	\$ 66,359.00 ✓
4	Cosco	Sprinklers	(Attached)	\$ 6,403.00 ✓
5	Corbin/SEE	BFH/Casework/Wall Protection	(Attached)	\$ 36,505.00 ✓
6	Vonar	Signage	(Attached)	\$ 529.00 ✓
7	GFE	ACT	(Attached)	\$ 6,182.00 ✓
8	Anderson Carpet	Flooring	(Attached)	\$ -
9	DBB	Paint	(Attached)	\$ -

B. Subcontractors Proposals:

\$

390,658.00

General Contractor Proposals:

Item #	Contractor	Reason for Cost	Cost Breakdown	Proposed Cost
1	AMG	per 7.10.2014 negotiation	(Attached)	\$ 20,000.00
2	GC's	per 7.10.2014 negotiation	(Attached)	\$ -
3	Clark	Reconciliation/ BIM	(Attached)	\$ 30,000.00

C. General Contractor Proposals:

\$

50,000.00

D. Subtotal Change Costs (Calculated from A + B + C):

\$

440,658.00 ✓

E. Design Fees Compensation (Calculated from \$475,000 Adds Only x 8%)

8%

\$

54,000.00 ✓

F. Subtotal Change Costs (Calculated from D + E):

\$

494,658.00 ✓

G. Mark-Up (Calculated from F):

5.0%

\$

24,732.65 ✓

H. GC Insurance CCIP (Calculated from F):

1.9500%

\$

9,645.78 ✓

I. GC Insurance Offsite General Liability (Calculated from F):

0.0025%

\$

97.10 ✓

J. Total Insurance Costs (Calculated from H + I):

\$

9,682.83 ✓

K. Subtotal including Mark Up

\$

529,068.48 ✓

L. GC Bond (Calculated from K):

1.80625%

\$

9,556.30 ✓

M. TOTAL - PROPOSAL AMOUNT (K+L):

\$

538,624.78 ✓

Highland Hospital



NICU OSHPD Approved Plan Revisions

PCO No: 243 / ACD 14-033 -NICU

3/6/2014 UPDATED 5/30/2014

DRAFT

Cost associated with the NICU Modifications at ACT Bldg

DESC		Vanir	Contractor	Note
Design	Smith Group	\$0	\$138,310	
BIM & redesign	Modulus \$9,700 + Cosco \$4,106 + GFE \$564	\$	14,390.00	
Subtotal Design		\$0.00	\$152,700.00	
Electrical	CEI	\$47,677	\$ 39,476	
Drywall	PCI, Framing and GWB	\$68,349	\$ 80,409	
Mechanical	F.W. Spencer, Plumbing & HVAC	\$193,613	\$ 424,924	
Ceiling Tile	George Family	\$7,076	\$ 7,883	
Painting	D&B Painting	(\$321)	\$ -	
Fire Sprinkler	COSCO	\$5,341	\$ 6,403	Note 1
Flooring	Anderson	\$264	\$ -	
Specialties	Corbin Building Inc.	\$4,311	\$ -	Note 4
Doors	Corbin / ISEC	\$29,122	\$ -	Note 4
Casework	Corbin / ISEC	\$3,070	\$ -	Note 4
Subtotal Corbin / ISEC		\$36,503	\$ 36,380	
Signage	Vomar	\$529	\$ 4,106	
Subtotal Subcontractors		\$359,051.52	\$ 601,560.74	
Clark		\$0	\$0	
Subtotal Clark		\$0.00	\$0.00	

Highland Hospital



NICU OSHPD Approved Plan Revisions

PCO No: 243 / ACD 14-033 -NICU

3/6/2014 UPDATED 5/30/2014

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Cost associated with the NICU Modifications at ACT Bldg

DESC	Vanir	Contractor	Note
Subtotal Change Cost	\$359,051.52	\$754,280.74	
Design Fee ,10.0%	\$36,905.15	\$0.00	
Subtotal	\$394,956.68	\$754,280.74	
Markup, 5%	\$19,747.83	\$37,714.04	
GC's Insurance, CCIP, 1.950%	\$7,701.66	\$14,708.47	
GC's Insurance, Offsite CCIP, .0075%	\$29.62	\$56.57	
Bond, 1.80925% - Including MU	\$7,630.25	\$14,572.10	
	\$420,696.13	\$821,881.92	

Estimate Notes:

- 1- Fire sprinkler cost is an allowance for potential required modifications.
- 2- Refer to back-up estimate tabs for detailed notes and remarks for each trade.
- 3- Vanir labor hourly rates are based on previous PCO's - verify trade current rates and adjust as applicable.
- 4 - VCM cost combined for these items = \$36,503. Corbin / ISEC cost is similar at \$38,380.



Highland Hospital

NICU OSHPD Approved Plan
 PCD No: 243.7 ACD 14-033 -NICU
 3/6/2014 UPDATED 5/30/2014

DRAFT

Electrical

Cost associated with the NICU Modifications at ACT Bldg

QTY	UNIT	DESCRIPTION	EST. PRICE	UNIT PRICE	TOTAL PRICE	EST. PRICE	UNIT PRICE	TOTAL PRICE	EST. PRICE	UNIT PRICE	TOTAL PRICE	EST. PRICE	UNIT PRICE	TOTAL PRICE
1	hr	Vanir Summary												
1	hr	Field labor *												
27.00	hrs	labor for MECA Difficult - TSO												
1	hr	Material												
0.00	hrs	Cost Summary												
0.00	hrs	Field labor *												
0.00	hrs	Material												
200	ft	3/4" wire conduit												
500	ft	1" wire conduit												
40	ea	3/4" wire SS connector												
25	ea	1" wire SS connector												
25	ea	3/4" wire SS bushing												
25	ea	1" wire SS bushing												
6	ea	3/4" wire steel clamp												
31	ea	1" wire steel clamp												
400	ft	#10 THHN CU												
100	ft	#12 THHN CU												
200	ft	1/4" slip rod												
95	ea	95-1/4" rod hanger												
30	ea	slip rod anchor 1/4"x1 3/8"												
30	ea	slip rod anchor 1/4"x1 3/8"												
20	ea	slip rod anchor 1/4"x1 3/8"												
700	ft	polyester 1/4"												
24.8	hrs	Vanir Summary												
75.0	hrs	Field labor *												
18.00	hrs	labor for MECA Difficult - TSO												
1	hr	Material												
0.00	hrs	Cost Summary												
0.00	hrs	Field labor *												

Highland Hospital

NICU ORHPD Approved Plan
 Standard Home
 POCO No. 243 / ACD 14-033 -NICU
 JMW2014 UPDATED 5/30/2014



DRAFT

Electrical

Cost associated with the NICU Modifications in ACT 0802

Item	QTY	UNIT	DESCRIPTION	EST. PRICE	UNIT PRICE	TOTAL PRICE	LABOR	MATERIAL	WASTE	PERMITS	SALES TAX	NET TOTAL	UNIT PRICE
OVERHEAD HOUSING FOR LIGHTING - NICU													
Screws 1/4-20X3/8	2 ea												\$0.00
Multi-function clip 4234	3 ea												\$0.00
Cabling wire	1 ea												\$18
4" sq box	1 ea												\$14
4" sq box blank cover	1 ea												\$6
3/4" wire conduit	100 ft												\$32
3/4" wire SS connector	4 ea												\$178
3/4" wire SS coupling	10 ea												\$32
3/4" wire nut clamp	10 ea												\$32
W12 THRU CU	800 ft												\$178
1/4" slip rod	20 ft												\$32
MS-1/4 nut hanger	10 ea												\$4
Superior anti 1/4" 3/4"	10 ea												\$24
Slip rod conduitrod clip	10 ea												\$107
Polypipe 1/2"	150 ft												\$78
Mark Summary	28.0												\$106
Field labor =	20.0 hrs												\$0
Adjuster for MECA Official - TBD	5.00 hrs												\$0
Material													\$487
NET Summary													\$0
Field labor =	0.0 hrs												\$0
Material													\$0
WALL HOUSING FOR LOW VOLTAGE - NICU													
3/4" wire conduit	30 ft												\$132
1" wire conduit	30 ft												\$145
1-1/4" wire conduit	140 ft												\$763
4" wire conduit	10 ft												\$141
3/4" wire SS connector	6 ea												\$35
1" wire SS connector	2 ea												\$21
1-1/4" wire SS connector	14 ea												\$197
4" wire SS coupling	4 ea												\$12
3/4" wire nut clamp	4 ea												\$10
1-1/4" wire nut clamp	14 ea												\$49
1-1/4" plastic hushing	14 ea												\$307
1/4" slip rod	48 ft												\$152
MS-1/4 rod hanger	18 ea												\$58

Highland Hospital

NICU OSHA/OSHPD Approved Plan
 PCO No: 243 / ACD 14-033 -NICU
 3/6/2014 UPDATED 8/20/2014

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Electrical

Cost associated with the NICU Modifications at ACT Bldg

QTY	DESCRIPTION	UNIT	PRICE	TOTAL	EST. QUANTITY	EST. PRICE	EST. TOTAL	EST. QUANTITY	EST. PRICE	EST. TOTAL	EST. QUANTITY	EST. PRICE	EST. TOTAL
16 ea	1/4" x 1-3/8"		\$ 27.85	\$ 445.60									
16 ea	USB box assembly		\$ 87.85	\$ 1,405.60									
1 ea	1-gang adjustable ring		\$ 87.85	\$ 87.85									
1 ea	4-1/2" x 6" box		\$ 87.85	\$ 87.85									
210 ft	polyprop 1/4"		\$ 87.85	\$ 18,466.50									
1 ea	4' x 4' x 1/2" support		\$ 87.85	\$ 87.85									
3 ea	Floor core		\$ 87.85	\$ 263.55									
3 ea	1-200' elec crew		\$ 87.85	\$ 263.55									
3 ea	Floor sleeve 1-1/2"		\$ 87.85	\$ 263.55									
3 ea	Floor sleeve seal 1-1/2"		\$ 87.85	\$ 263.55									
2 ea	2' x 1/2" hood		\$ 87.85	\$ 175.70									
8 ea	Firestop pillow		\$ 87.85	\$ 702.80									
	Vanir Summary												
	Field labor =												
	17.6 hrs												
	Anchor for MCA Diffuser - TBD												
	Material =												
	1.759												
	250 Runway												
	Field labor =												
	0.0 hrs												
	Material =												
	0.0												
	WALL ROUGH-IN DEVICES FOR BRANCH POWER - NKSU (bricks credits for unfinished devices removed from scope)												
	3/4" x 1/2" conduit												
	325 ft		\$ 87.85	\$ 28,550.25									
	3/4" x 1/2" SS connector		\$ 87.85	\$ 28,550.25									
	200 ea		\$ 87.85	\$ 17,570.00									
	3/4" x 1/2" SS coupling		\$ 87.85	\$ 17,570.00									
	146 ea		\$ 87.85	\$ 12,815.90									
	3/4" x 1/2" SS strap		\$ 87.85	\$ 12,815.90									
	110 ea		\$ 87.85	\$ 9,663.50									
	AT2 THERM DU		\$ 87.85	\$ 9,663.50									
	1,500 ft		\$ 87.85	\$ 131,775.00									
	1 lb		\$ 87.85	\$ 87.85									
	200 duplex receptacle		\$ 87.85	\$ 17,570.00									
	14 ea		\$ 87.85	\$ 1,230.90									
	200 duplex receptacle RJ		\$ 87.85	\$ 17,570.00									
	8 ea		\$ 87.85	\$ 702.80									
	200 duplex receptacle GFI		\$ 87.85	\$ 17,570.00									
	3 ea		\$ 87.85	\$ 263.55									
	200 duplex plate SSS302 1 gang		\$ 87.85	\$ 17,570.00									
	17 ea		\$ 87.85	\$ 1,493.45									
	200 duplex plate SSS302 2 gang		\$ 87.85	\$ 17,570.00									
	4 ea		\$ 87.85	\$ 351.40									
	200 duplex plate SSS302 2 gang		\$ 87.85	\$ 17,570.00									
	28 ea		\$ 87.85	\$ 2,460.80									
	USB box assembly		\$ 87.85	\$ 87.85									
	45 ea		\$ 87.85	\$ 3,952.25									
	1-gang adjustable ring		\$ 87.85	\$ 87.85									
	2-gang adjustable ring		\$ 87.85	\$ 175.70									
	4" x 4" box		\$ 87.85	\$ 87.85									
	28 ea		\$ 87.85	\$ 2,460.80									
	4" x 4" box black cover		\$ 87.85	\$ 87.85									
	28 ea		\$ 87.85	\$ 2,460.80									
	polyprop 1/4"		\$ 87.85	\$ 87.85									
	925 ft		\$ 87.85	\$ 81,271.25									
	0.080' elec crew		\$ 87.85	\$ 7.028									
	30 ea		\$ 87.85	\$ 2,635.50									
	firm pad per device		\$ 87.85	\$ 87.85									
	45 ea		\$ 87.85	\$ 3,952.25									
	Label		\$ 87.85	\$ 87.85									

Highland Hospital

NICU OSHPD Approved Plan

Work Item
PCO No: 243 / ACD 14-033 - NICU

3/8/2014 UPDATED 5/20/2014

Cost associated with the NICU Modifications at ACT Bldg



Electrical

DRAFT

QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE	EST. QUANTITY	EST. PRICE	EST. TOTAL PRICE	EST. QUANTITY	EST. PRICE	EST. TOTAL PRICE	EST. QUANTITY	EST. PRICE	EST. TOTAL PRICE	EST. QUANTITY	EST. PRICE	EST. TOTAL PRICE	EST. QUANTITY	EST. PRICE	EST. TOTAL PRICE	
																				QTY
31.2	hr	Field labor =																		
41.0	hrs	Field labor =																		
10.24	hrs	Added by MECA Default - TBD																		
		Material		\$130																
		CEI Summary																		
53.2	hr	Field labor =		\$1,080																
		Material																		
		WALL ROUGH-IN FOR LIGHTING - NICU																		
53.7		3/4" emt conduit																		
1 ea		3/4" emt w/ SS connector																		
7 ea		3/4" emt w/ SS coupling																		
7 ea		3/4" emt 1-hole strap																		
220 ft		4-11/16" box																		
1 ea		1-gang toggle SS plate																		
2 ea		2-gang toggle SS plate																		
1 ea		250 single pole switch																		
8 ea		USB box assembly																		
6 ea		USB box assembly																		
5 ea		2-gang adjustable ring																		
5 ea		4-11/16" box																		
35 ft		polyprop 1/4"																		
1 ea		Fire pad per device																		
1 ea		Label																		
		Vendor Summary																		
10.4		Field labor =																		
6.3	hrs	Field labor =																		
2.06	hrs	Added by MECA Default - TBD																		
		Material		\$378																
		CEI Summary																		
		Field labor =																		
0.0	hrs	Material		\$0																
		WALL ROUGH-IN FOR LOW VOLTAGE - NICU																		
260 ft		3/4" emt conduit																		
26 ea		3/4" emt w/ SS connector																		
33 ea		3/4" emt w/ SS coupling																		
23 ea		3/4" emt 1-hole strap																		
13 ea		USB box assembly																		
13 ea		1-gang toggle SS plate																		
13 ea		4-11/16" box																		

Highland Hospital

NICU OSHPD Approved Plan
 Description:
 PCC# No: 243 / ACD 14-033 -NICU
 3/8/2014 UPDATED 9/20/2014

Electrical

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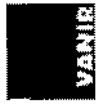
Cost associated with the NICU Modifications at ACT Bldg



QTY	DESCRIPTION	UNIT	PRICE	TOTAL	LABOR	MATERIAL	PERMITS	TESTING	INSURANCE	TRAVEL	OVERHEAD	PROFIT	TOTAL COST	EST. COST
4 ea	Fire pull per device		\$ 87.85	\$ 351.40									\$ 351.40	\$ 351.40
280 ft	polyprop 1/8"		\$ 0.09	\$ 25.08									\$ 25.08	\$ 25.08
34.8	Vanir Summary													
27.2 hrs	Field labor =													
0.19 hrs	Admin for MECA Engineer - TBD													
	Material													
0.0 hrs	CEI Summary													
0.0 hrs	Field labor =													
	Material													
1 ea	FIXTURE LIGHTING-NICU													
1 ea	Type F1, 2x2 2 lamp direct/indirect		\$ 152.80	\$ 152.80									\$ 152.80	\$ 152.80
1 ea	Type F2, 8' long, 80 degree strip 2 lamp		\$ 100.70	\$ 100.70									\$ 100.70	\$ 100.70
2 ea	Type F3, 4' recessed linear floor 2 lamp		\$ 150.20	\$ 300.40									\$ 300.40	\$ 300.40
1 ea	Type FB, 2x4' recessed linear light 2 lamp		\$ 187.30	\$ 187.30									\$ 187.30	\$ 187.30
1 ea	Type F10, 6' dia recessed downlight		\$ 123.00	\$ 123.00									\$ 123.00	\$ 123.00
1 ea	Down track rail		\$ 104.30	\$ 104.30									\$ 104.30	\$ 104.30
1 ea	SP-87 switch		\$ 67.85	\$ 67.85									\$ 67.85	\$ 67.85
10 ft	#12-30-13 MC cable		\$ 1.20	\$ 12.00									\$ 12.00	\$ 12.00
0 ea	1/4" bayonet fixture clip		\$ 0.35	\$ 0.00									\$ 0.00	\$ 0.00
1 ft	Wirenuts w/cover		\$ 5.00	\$ 5.00									\$ 5.00	\$ 5.00
1 lb	Misc mounting hardware		\$ 10.00	\$ 10.00									\$ 10.00	\$ 10.00
7.1	Vanir Summary													
5.7 hrs	Field labor =													
1.43 hrs	Admin for MECA Deficit - TBD													
	Material													
0.0 hrs	CEI Summary													
0.0 hrs	Field labor =													
	Material													
436 f	Vanir Total Labor Summary													
337 hrs	Field labor =													
84.15 hrs	Admin for MECA Deficit - TBD													
	SUB-CONTRACTORS (to be verified)													
	Telephone/Data cabling - TBD Cost is													
	estimated under Electrical Contractor rates													
	for this estimate													
	TELEDATA/PHONE CALL SECURITY DEVICES, CABLING - NICU													

Highland Hospital

NICU ORNPO Approved Plan
 PCO No: 243 / ACD 14-003 -NICU
 3/30/2014, UPDATED 5/30/2014



Electrical

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Cost associated with the NICU Modifications at ACT Bldg

QTY	UNIT	DESCRIPTION	EST. PRICE	EST. QUANTITY	EST. TOTAL	UNIT PRICE	TOTAL PRICE	EST. QUANTITY	EST. TOTAL	UNIT PRICE	TOTAL PRICE
100	LF	Call SA 4pr cable - platinum rated	\$ 87.85	0.02	\$ 8.78	\$ 87.85	\$ 1.75	0.02	\$ 1.75	\$ 87.85	\$ 1.75
-10	LF	Coaxial cable - platinum rated	\$ 87.85	0.75	\$ 75.89	\$ 87.85	0.75	0.75	\$ 65.89	\$ 87.85	\$ 65.89
1	EA	Clock	\$ 87.85	125.00	\$ 10,881.25	\$ 87.85	125.00	125.00	\$ 10,881.25	\$ 87.85	\$ 10,881.25
1	EA	Intercom	\$ 87.85	100.00	\$ 8,785.00	\$ 87.85	100.00	100.00	\$ 8,785.00	\$ 87.85	\$ 8,785.00
1	EA	Doorbell button	\$ 87.85	130.00	\$ 11,430.50	\$ 87.85	130.00	130.00	\$ 11,430.50	\$ 87.85	\$ 11,430.50
1	EA	Switchplate card reader	\$ 87.85	5.50	\$ 478.08	\$ 87.85	5.50	5.50	\$ 478.08	\$ 87.85	\$ 478.08
2	EA	Magnetic door Contact	\$ 87.85	50.00	\$ 4,392.50	\$ 87.85	50.00	50.00	\$ 4,392.50	\$ 87.85	\$ 4,392.50
1	EA	REX - Door sensor	\$ 87.85	50.00	\$ 4,392.50	\$ 87.85	50.00	50.00	\$ 4,392.50	\$ 87.85	\$ 4,392.50
1	EA	REX - Adaptor plate	\$ 87.85	1.50	\$ 131.78	\$ 87.85	1.50	1.50	\$ 131.78	\$ 87.85	\$ 131.78
2415	LF	2415 AWG stranded cable - platinum rated, allow	\$ 87.85	0.12	\$ 10.54	\$ 87.85	0.12	0.12	\$ 10.54	\$ 87.85	\$ 10.54
500	LF	4822 AWG stranded cable - platinum rated, allow	\$ 87.85	0.11	\$ 9.66	\$ 87.85	0.11	0.11	\$ 9.66	\$ 87.85	\$ 9.66
250	LF	4822 AWG stranded cable - platinum rated, allow	\$ 87.85	0.18	\$ 15.81	\$ 87.85	0.18	0.18	\$ 15.81	\$ 87.85	\$ 15.81
7	EA	Program & test security devices/components	\$ 87.85	1.00	\$ 87.85	\$ 87.85	1.00	1.00	\$ 87.85	\$ 87.85	\$ 87.85
1	EA	VMS viewing software, allow	\$ 87.85	1,000.00	\$ 87,850.00	\$ 87.85	1,000.00	1,000.00	\$ 87,850.00	\$ 87.85	\$ 87,850.00
1	EA	Security terminations	\$ 87.85	1.00	\$ 87.85	\$ 87.85	1.00	1.00	\$ 87.85	\$ 87.85	\$ 87.85
41.7		Vanir Summary									
33.4	hrs	Field labor	\$ 87.85	1,851.11	\$ 161,550.00	\$ 87.85	1,851.11	1,851.11	\$ 161,550.00	\$ 87.85	\$ 161,550.00
6.35	hrs	labor for MECA Director - TBD									
		Materials									
		ELECTRICAL DRAFTING - CAD									
		Allowance - TBD	\$ 92.50	1.00	\$ 92.50	\$ 92.50	1.00	1.00	\$ 92.50	\$ 92.50	\$ 92.50
		General Expense									
		Freight on materials - allowance			\$ 180.00	\$ 180.00	1.00	1.00	\$ 180.00	\$ 180.00	\$ 180.00
		Electrical & LV for NICU total	\$ 90.00	7,873.50	\$ 708,315.00	\$ 90.00	7,873.50	7,873.50	\$ 708,315.00	\$ 90.00	\$ 708,315.00
		Sales Tax									
		Bond									
		2nd tier Sub Markup									
		Markup (including sales tax)									
		SUBTOTAL Subcontractor Cost	\$ 84,873.00	\$ 84,873.00	\$ 84,873.00	\$ 84,873.00	\$ 84,873.00	\$ 84,873.00	\$ 84,873.00	\$ 84,873.00	\$ 84,873.00
		General Contractor - Markup									
		Bond									

Highland Hospital

NICU ORHD Approved Plan
 POC No: 243 / ACD 14-033 -NICU
 3/8/2014 UPDATED 5/30/2014

Electrical

DRAFT



Cost associated with the NICU Modifications at ACT Bldg

DESCRIPTION	QTY	UNIT	EST. PRICE	TOTAL	EST. PRICE	TOTAL	EST. PRICE	TOTAL	EST. PRICE	TOTAL
Contractor Cost		Hrs								
CAD		Hrs								
Total										
Mark-ups										
Mark-ups	15.0%									
Mark-ups	5.0%									
Sales Tax	9.00%									
Mark-ups bond	1.07%									
SUBTOTAL Subcontractor Cost										

Estimate Notes

- 1- Vendor estimate includes subcontractor bond similar to Contractor bond.
- 2- Vendor labor unit hrs are NECA normal. Unknown if the Contractor will add more labor hrs. or NECA without - requires validation.
- 3- Vendor labor hourly rate is for normal work hours similar to recent rates used on a POC. Verify and adjust if applicable.
- 4- Material cost's used are consistent with on-site Contractor's usage of quantities for the change order estimate.

Contractor Labor Summary	rate/hr	hrs	total	rate/hr	hrs	total
Elec Foreman + 30.84% burden - OT	\$ 159.80	0.00 hrs	\$ -	\$ 98.41	74.00 hrs	\$ 7,134
Elec Journeymen + 30.84% burden - OT	\$ 142.05	0.00 hrs	\$ -	\$ 85.70	265.00 hrs	\$ 25,387
Elec Foreman + 61.77% burden - ST	\$ 98.41	0.00 hrs	\$ -			
Elec Journeymen + 61.77% burden - ST	\$ 65.70	0.00 hrs	\$ -			
Total		0.00 hrs	\$ -		379 hrs	\$ 32,521
Contractor's average burdened rate/hr						
CAD Draft	0 hrs	\$ 92.56	\$ -	\$ 92.56	0 hrs	\$ -
					370 hrs	

Highland Hospital

MECU OSRPD Approved Plan Revisions

PCO No: 243 / ACD 14-033 -NICU

May 13, 2014

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Cost associated with the MECU Modifications at ACT Bldg



QTY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT	EST. QTY	EST. AMOUNT	EST. QTY	EST. AMOUNT	EST. QTY	EST. AMOUNT	EST. QTY	EST. AMOUNT	EST. QTY	EST. AMOUNT	EST. QTY	EST. AMOUNT	EST. QTY	EST. AMOUNT
29	SF	Acid neutral framing configuration	4.50	130.50	29	130.50	29	130.50	29	130.50	29	130.50	29	130.50	29	130.50	29	130.50
109	SF	Acid neutral framing configuration	4.50	490.50	109	490.50	109	490.50	109	490.50	109	490.50	109	490.50	109	490.50	109	490.50
1818	SF	Acid neutral framing configuration	4.50	8181.00	1818	8181.00	1818	8181.00	1818	8181.00	1818	8181.00	1818	8181.00	1818	8181.00	1818	8181.00
238	SF	Acid neutral framing configuration	4.50	1071.00	238	1071.00	238	1071.00	238	1071.00	238	1071.00	238	1071.00	238	1071.00	238	1071.00
91	SF	Acid neutral framing configuration	4.50	409.50	91	409.50	91	409.50	91	409.50	91	409.50	91	409.50	91	409.50	91	409.50
238	SF	Acid neutral framing configuration	4.50	1071.00	238	1071.00	238	1071.00	238	1071.00	238	1071.00	238	1071.00	238	1071.00	238	1071.00
429	SF	Acid neutral framing configuration	4.50	1930.50	429	1930.50	429	1930.50	429	1930.50	429	1930.50	429	1930.50	429	1930.50	429	1930.50
820	SF	Acid neutral framing configuration	4.50	3690.00	820	3690.00	820	3690.00	820	3690.00	820	3690.00	820	3690.00	820	3690.00	820	3690.00
310	SF	Acid neutral framing configuration	4.50	1395.00	310	1395.00	310	1395.00	310	1395.00	310	1395.00	310	1395.00	310	1395.00	310	1395.00
81	SF	Acid neutral framing configuration	4.50	364.50	81	364.50	81	364.50	81	364.50	81	364.50	81	364.50	81	364.50	81	364.50
323	SF	Acid neutral framing configuration	4.50	1453.50	323	1453.50	323	1453.50	323	1453.50	323	1453.50	323	1453.50	323	1453.50	323	1453.50
25%	LS	Labor premium for out of sequence / completed work		323.25	25%	323.25	25%	323.25	25%	323.25	25%	323.25	25%	323.25	25%	323.25	25%	323.25
6.145	SF	Curtain drop per 1440 4.6 credit		28.06	6.145	28.06	6.145	28.06	6.145	28.06	6.145	28.06	6.145	28.06	6.145	28.06	6.145	28.06
38	LF	Curtain drop per 1440 4.6 add		33.00	38	33.00	38	33.00	38	33.00	38	33.00	38	33.00	38	33.00	38	33.00
10%	LS	Labor premium for out of sequence / completed work		3.30	10%	3.30	10%	3.30	10%	3.30	10%	3.30	10%	3.30	10%	3.30	10%	3.30
408	SF	Drywall ceilings, jointed credit		8.00	408	8.00	408	8.00	408	8.00	408	8.00	408	8.00	408	8.00	408	8.00
408	SF	Drywall ceilings, jointed add		9.00	408	9.00	408	9.00	408	9.00	408	9.00	408	9.00	408	9.00	408	9.00

Highland Hospital

NICU OSHPD Approved Plus Revisions
 PCD No: 243 / ACD 14-033 -NICU

May 13, 2014

Drywall

DRAFT



Cost associated with the NICU Modifications at ACT Bldg

DESCRIPTION	QTY	UNIT	PRICE	AMOUNT	EST. NO.	EST. PRICE	EST. AMOUNT	EST. NO.	EST. PRICE	EST. AMOUNT	EST. NO.	EST. PRICE	EST. AMOUNT	EST. NO.	EST. PRICE	EST. AMOUNT
Labor premium for out of sequence / contingency work	60.00	LS	\$73.50	\$4,410.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
PERIMETER SOFFIT CREDIT	48	LF	\$73.50	\$3,528.00	48	\$1,089	\$1,089.00	48	\$1,089	\$1,089.00	48	\$1,089	\$1,089.00	48	\$1,089	\$1,089.00
PERIMETER SOFFIT ADD	81	LF	\$73.50	\$5,953.50	81	\$1,117	\$1,117.00	81	\$1,117	\$1,117.00	81	\$1,117	\$1,117.00	81	\$1,117	\$1,117.00
Labor premium for out of sequence / contingency work	15.00	LS	\$73.50	\$1,102.50	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
3X3 DOOR	20	EA	\$73.50	\$1,470.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
3X3 DOOR	13	EA	\$73.50	\$955.50	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
Labor premium for out of sequence / contingency work	104.00	LS	\$73.50	\$7,644.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
CORNER BEAD	32	EA	\$73.50	\$2,352.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
CORNER BEAD	38	EA	\$73.50	\$2,793.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
Labor premium for out of sequence / contingency work	9.750	LS	\$73.50	\$716.625	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
FRAMED OPENINGS	4	EA	\$73.50	\$294.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
FRAMED OPENINGS	10	EA	\$73.50	\$735.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
Labor premium for out of sequence / contingency work	90.000	LS	\$73.50	\$6,615.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
EXIT OF SIGNAGE GYP	171	LF	\$73.50	\$12,562.50	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
TYPE A BACKING	26	LF	\$73.50	\$1,911.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
1/2" GA NOTCHED BACKING	8	LF	\$73.50	\$588.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
CASE OPEN BGC - VERT	6	EA	\$73.50	\$441.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
CASE OPEN BGC - HORIZ	21	LF	\$73.50	\$1,543.50	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
CASE OPEN - VERT	2	EA	\$73.50	\$147.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
CASE OPEN - HORIZ	6	LF	\$73.50	\$441.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
CEILING WALLS	0	EA	\$73.50	\$0.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
OPENINGS	0	EA	\$73.50	\$0.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
DRYWALL PATCH FOR LATE MEP	22	EA	\$73.50	\$1,617.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
EQUIPMENT RENTAL	1	LS	\$73.50	\$73.50	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
ADDED FIBER TOP	1	LS	\$73.50	\$73.50	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00	90	\$2,205	\$2,205.00
Labor Summary																
Subtotal																
Drywall - PC Total	628.8		\$6.50	\$4,093.20	2,400	\$4,093.20	\$4,093.20	2,400	\$4,093.20	\$4,093.20	2,400	\$4,093.20	\$4,093.20	2,400	\$4,093.20	\$4,093.20
Sales Tax			3.00%	\$122.796												
Sub-Contract Markup (including sales tax)			10.00%	\$409.320												
Bond			1.00%	\$40.932												

Highland Hospital

NICU OSHPD Approved Plan Revisions

PCC No. 243; ACC 14-033 -NICU

May 13, 2014

Drywall

DRAFT



Cost associated with the NICU Modifications at ACT Bldg

SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	Total							
													Equipment	Final Job Sub	Final Cost	Sub Total	Unit Subtotal			
Drywall - PCI - Total														\$66,349						
SUBTOTAL Subcontractor Cost														\$66,349						

General Contractor - Mark-up 5.0%
Bond 3.80%

TOTAL ESTIMATED COST

\$74,424

Highland Hospital

NICU OSHPD Approved Plans Revisions

PCO No: 243 / ACO 14-033 -NICU

May 13, 2014

Drywall

DRAFT



Cost associated with the NICU modifications as ACT 84g

Item	QTY	UNIT	NO. OF HOURS	EST. RATE	EST. COST	MARKUP	MARKUP AMOUNT	TOTAL COST	PERCENTAGE	NO. OF SUBCONTRACTORS
Contractor Cost			769 Hrs		\$ 6,308		\$ 2,458	\$ 4,000		\$ 86,358
Tax										
Mark-ups	0.0%									
Mark-ups	15.0%				\$ 8,470					\$ 9,433
Tax - Direct material	10.0%						\$ 247			\$ 247
Tax - Direct material	5.0%						\$ 573			\$ 573
Performance & Payment Bond	1.00%				\$ 860		\$ 70	\$ 40		\$ 795
SUBTOTAL Subcontractor Cost										\$ 90,408.7

Estimate Notes:
 1. Base labor hourly rate is based on PCI rate submitted. \$ 73.50 per hour. Review and adjust as required.

Contractor Labor Summary	Rate/Hr	Hours	Cost	Rate/Hr	Hours	Cost
Foreman / Lead Carpenter - frame & hang	\$ 71.70	5,445	\$ 390,000	10%		
Carpenter - frame & hang	\$ 73.27	48,376	\$ 3,546,000	90%		
Taper - Foreman	\$ 71.26	489	\$ 34,900	18%		
Taper - Foreman	\$ 58.97	2,000	\$ 117,940	81%		
Total & average hourly rate		769.00	\$ 56,532			

Highland Hospital

NICU OSHPD Approved Plan Revisions

POO No: 243 / A CD 14-033 -NICU

April 15, 2014

Signage

DRAFT

Cost associated with the NICU Modifications at ACT Bldg

Modifications to signage



QTY	UNIT	DESCRIPTION	DATE	STATUS	EST. NO.	EST. DATE	EST. PRICE	EST. TOTAL
SUBTOTAL Subcontractor Cost								

Estimate Notes:

2. Material cost to be applied only if remarking is required * \$1,140

Midland Hospital

NICU OSHPD Approved Plan Submittals
 PCC No: 243 / ACD 14-033 -NICU
 3/8/2014 UPDATED 5/20/2014

Scope: NICU HVAC and Plumbing Changes

DRAFT

Mechanical



Item Description	Quantity	Unit	Estimate Price	Quantity	Unit	Estimate Price	Quantity	Unit	Estimate Price	Quantity	Unit	Estimate Price	Quantity	Unit	Estimate Price	Quantity	Unit	Estimate Price	
1/2" 45 Filing	2	EA	\$ 98.44	\$	0.04	\$	\$ 77	\$ 32	\$ 30	\$ 78	\$ 21	\$ 30	\$ 78	\$ 21	\$ 30	\$ 78	\$ 21	\$ 30	\$ 78
3/4" Abs	20	LF	\$ 98.44	\$	4.84	\$	\$ 118	\$ 97	\$ 30	\$ 213	\$ 21	\$ 30	\$ 213	\$ 21	\$ 30	\$ 213	\$ 21	\$ 30	\$ 213
3/4" 90 Filing	2	EA	\$ 98.44	\$	1.42	\$	\$ 102	\$ 53	\$ 30	\$ 106	\$ 15	\$ 30	\$ 106	\$ 15	\$ 30	\$ 106	\$ 15	\$ 30	\$ 106
Cell Shield	4	EA	\$ 98.44	\$	7.41	\$	\$ 194	\$ 50	\$ 30	\$ 134	\$ 16	\$ 30	\$ 134	\$ 16	\$ 30	\$ 134	\$ 16	\$ 30	\$ 134
Charger Assemblies	4	EA	\$ 98.44	\$	\$ 100	\$	\$ 602	\$ 124	\$ 30	\$ 728	\$ 18	\$ 30	\$ 728	\$ 18	\$ 30	\$ 728	\$ 18	\$ 30	\$ 728
Flow Hoods	4	EA	\$ 98.44	\$	7.80	\$	\$ 59	\$ 53	\$ 30	\$ 62	\$ 8	\$ 30	\$ 62	\$ 8	\$ 30	\$ 62	\$ 8	\$ 30	\$ 62
Wash/Am-MH-CI	0	LOT	\$ 98.44	\$		\$	\$ 0	\$ 0	\$ 30	\$ 0	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0
Chemical Washing Bots	1	EA	\$ 98.44	\$	45.00	\$	\$ 39	\$ 45	\$ 30	\$ 35	\$ 4	\$ 30	\$ 35	\$ 4	\$ 30	\$ 35	\$ 4	\$ 30	\$ 35
Switch Floor Cover	1	EA	\$ 98.44	\$	15.75	\$	\$ 41	\$ 21	\$ 30	\$ 58	\$ 7	\$ 30	\$ 58	\$ 7	\$ 30	\$ 58	\$ 7	\$ 30	\$ 58
DRY 1/4 Inert	1	EA	\$ 98.44	\$	23.80	\$	\$ 58	\$ 34	\$ 30	\$ 112	\$ 14	\$ 30	\$ 112	\$ 14	\$ 30	\$ 112	\$ 14	\$ 30	\$ 112
2" x 1/2" Tapped Tee	2	EA	\$ 98.44	\$	18.85	\$	\$ 4	\$ 53	\$ 30	\$ 58	\$ 7	\$ 30	\$ 58	\$ 7	\$ 30	\$ 58	\$ 7	\$ 30	\$ 58
Wash/Am-MH-CI	1	EA	\$ 98.44	\$	\$ 100	\$	\$ 100	\$ 21	\$ 30	\$ 181	\$ 24	\$ 30	\$ 181	\$ 24	\$ 30	\$ 181	\$ 24	\$ 30	\$ 181
Charger Assemblies	1	EA	\$ 98.44	\$	100.00	\$	\$ 23	\$ 100	\$ 95	\$ 33	\$ 34	\$ 30	\$ 33	\$ 34	\$ 30	\$ 33	\$ 34	\$ 30	\$ 33
Cones-Roof-Way	1	EA	\$ 98.44	\$		\$	\$ 0	\$ 0	\$ 30	\$ 0	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0
Wash/Am-MH-CI	0	LOT	\$ 98.44	\$		\$	\$ 0	\$ 0	\$ 30	\$ 0	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0
Chemical Washing Bots	30	LF	\$ 98.44	\$	3.01	\$	\$ 174	\$ 95	\$ 30	\$ 284	\$ 27	\$ 30	\$ 284	\$ 27	\$ 30	\$ 284	\$ 27	\$ 30	\$ 284
1/2" 90 Filing	8	EA	\$ 98.44	\$	0.86	\$	\$ 30	\$ 31	\$ 30	\$ 316	\$ 39	\$ 30	\$ 316	\$ 39	\$ 30	\$ 316	\$ 39	\$ 30	\$ 316
1/2" 45 Filing	2	EA	\$ 98.44	\$	1.07	\$	\$ 32	\$ 32	\$ 30	\$ 39	\$ 12	\$ 30	\$ 39	\$ 12	\$ 30	\$ 39	\$ 12	\$ 30	\$ 39
2" 3/4"	2	LF	\$ 98.44	\$	4.84	\$	\$ 97	\$ 97	\$ 30	\$ 213	\$ 21	\$ 30	\$ 213	\$ 21	\$ 30	\$ 213	\$ 21	\$ 30	\$ 213
3/4" 90 Filing	4	EA	\$ 98.44	\$	1.86	\$	\$ 48	\$ 48	\$ 30	\$ 212	\$ 27	\$ 30	\$ 212	\$ 27	\$ 30	\$ 212	\$ 27	\$ 30	\$ 212
3/4" 45 Filing	2	EA	\$ 98.44	\$	2.36	\$	\$ 48	\$ 48	\$ 30	\$ 212	\$ 27	\$ 30	\$ 212	\$ 27	\$ 30	\$ 212	\$ 27	\$ 30	\$ 212
Charger Assemblies	8	EA	\$ 98.44	\$	\$ 100	\$	\$ 100	\$ 24	\$ 30	\$ 147	\$ 18	\$ 30	\$ 147	\$ 18	\$ 30	\$ 147	\$ 18	\$ 30	\$ 147
Pipe Hoods	8	EA	\$ 98.44	\$	7.80	\$	\$ 87	\$ 87	\$ 30	\$ 212	\$ 27	\$ 30	\$ 212	\$ 27	\$ 30	\$ 212	\$ 27	\$ 30	\$ 212
Area "B"	0	Lot	\$ 98.44	\$		\$	\$ 0	\$ 0	\$ 30	\$ 0	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0
Wash/Am-MH-CI	0	LOT	\$ 98.44	\$		\$	\$ 0	\$ 0	\$ 30	\$ 0	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0
Chemical Washing Bots	1	EA	\$ 98.44	\$	65.00	\$	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30
Wash/Am-MH-CI	0	LOT	\$ 98.44	\$		\$	\$ 0	\$ 0	\$ 30	\$ 0	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0	\$ 30	\$ 0
Chemical Washing Bots	12	LF	\$ 98.44	\$	3.01	\$	\$ 59	\$ 59	\$ 30	\$ 59	\$ 5	\$ 30	\$ 59	\$ 5	\$ 30	\$ 59	\$ 5	\$ 30	\$ 59
1/2" 90 Filing	8	EA	\$ 98.44	\$	0.86	\$	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30	\$ 30
3/4" 45 Filing	3	EA	\$ 98.44	\$	4.84	\$	\$ 48	\$ 48	\$ 30	\$ 48	\$ 16	\$ 30	\$ 48	\$ 16	\$ 30	\$ 48	\$ 16	\$ 30	\$ 48
3/4" 90 Filing	3	EA	\$ 98.44	\$	1.86	\$	\$ 48	\$ 48	\$ 30	\$ 48	\$ 16	\$ 30	\$ 48	\$ 16	\$ 30	\$ 48	\$ 16	\$ 30	\$ 48
3/4" 1/2" Tee	1	EA	\$ 98.44	\$	7.10	\$	\$ 52	\$ 52	\$ 30	\$ 52	\$ 7	\$ 30	\$ 52	\$ 7	\$ 30	\$ 52	\$ 7	\$ 30	\$ 52
Charger Assemblies	4	EA	\$ 98.44	\$	31.00	\$	\$ 93	\$ 93	\$ 30	\$ 93	\$ 12	\$ 30	\$ 93	\$ 12	\$ 30	\$ 93	\$ 12	\$ 30	\$ 93

Highland Hospital

MECU OSHPD Approved Plan Revisions
 PCO No: 243 / ACD 14-003 - MECU
 3/27/2014 UPDATED 3/20/2014

Scope: MECU HVAC and Plumbing Changes

Mechanical

DRAFT



Item	QTY	Unit	Estimate	Price	Total	Notes
3 EA				\$ 96.44	\$ 289.32	
Water-Copper						
0.000 pump	0			\$ 96.44	\$ 0.00	
0.810 pump	0			\$ 96.44	\$ 0.00	
1.120 pump	0			\$ 96.44	\$ 0.00	
1.530 pump	0			\$ 96.44	\$ 0.00	
1.940 pump	0			\$ 96.44	\$ 0.00	
2.350 pump	0			\$ 96.44	\$ 0.00	
2.760 pump	0			\$ 96.44	\$ 0.00	
3.170 pump	0			\$ 96.44	\$ 0.00	
3.580 pump	0			\$ 96.44	\$ 0.00	
3.990 pump	0			\$ 96.44	\$ 0.00	
4.400 pump	0			\$ 96.44	\$ 0.00	
4.810 pump	0			\$ 96.44	\$ 0.00	
5.220 pump	0			\$ 96.44	\$ 0.00	
5.630 pump	0			\$ 96.44	\$ 0.00	
6.040 pump	0			\$ 96.44	\$ 0.00	
6.450 pump	0			\$ 96.44	\$ 0.00	
6.860 pump	0			\$ 96.44	\$ 0.00	
7.270 pump	0			\$ 96.44	\$ 0.00	
7.680 pump	0			\$ 96.44	\$ 0.00	
8.090 pump	0			\$ 96.44	\$ 0.00	
8.500 pump	0			\$ 96.44	\$ 0.00	
8.910 pump	0			\$ 96.44	\$ 0.00	
9.320 pump	0			\$ 96.44	\$ 0.00	
9.730 pump	0			\$ 96.44	\$ 0.00	
10.140 pump	0			\$ 96.44	\$ 0.00	
10.550 pump	0			\$ 96.44	\$ 0.00	
10.960 pump	0			\$ 96.44	\$ 0.00	
11.370 pump	0			\$ 96.44	\$ 0.00	
11.780 pump	0			\$ 96.44	\$ 0.00	
12.190 pump	0			\$ 96.44	\$ 0.00	
12.600 pump	0			\$ 96.44	\$ 0.00	
13.010 pump	0			\$ 96.44	\$ 0.00	
13.420 pump	0			\$ 96.44	\$ 0.00	
13.830 pump	0			\$ 96.44	\$ 0.00	
14.240 pump	0			\$ 96.44	\$ 0.00	
14.650 pump	0			\$ 96.44	\$ 0.00	
15.060 pump	0			\$ 96.44	\$ 0.00	
15.470 pump	0			\$ 96.44	\$ 0.00	
15.880 pump	0			\$ 96.44	\$ 0.00	
16.290 pump	0			\$ 96.44	\$ 0.00	
16.700 pump	0			\$ 96.44	\$ 0.00	
17.110 pump	0			\$ 96.44	\$ 0.00	
17.520 pump	0			\$ 96.44	\$ 0.00	
17.930 pump	0			\$ 96.44	\$ 0.00	
18.340 pump	0			\$ 96.44	\$ 0.00	
18.750 pump	0			\$ 96.44	\$ 0.00	
19.160 pump	0			\$ 96.44	\$ 0.00	
19.570 pump	0			\$ 96.44	\$ 0.00	
19.980 pump	0			\$ 96.44	\$ 0.00	
20.390 pump	0			\$ 96.44	\$ 0.00	
20.800 pump	0			\$ 96.44	\$ 0.00	
21.210 pump	0			\$ 96.44	\$ 0.00	
21.620 pump	0			\$ 96.44	\$ 0.00	
22.030 pump	0			\$ 96.44	\$ 0.00	
22.440 pump	0			\$ 96.44	\$ 0.00	
22.850 pump	0			\$ 96.44	\$ 0.00	
23.260 pump	0			\$ 96.44	\$ 0.00	
23.670 pump	0			\$ 96.44	\$ 0.00	
24.080 pump	0			\$ 96.44	\$ 0.00	
24.490 pump	0			\$ 96.44	\$ 0.00	
24.900 pump	0			\$ 96.44	\$ 0.00	
25.310 pump	0			\$ 96.44	\$ 0.00	
25.720 pump	0			\$ 96.44	\$ 0.00	
26.130 pump	0			\$ 96.44	\$ 0.00	
26.540 pump	0			\$ 96.44	\$ 0.00	
26.950 pump	0			\$ 96.44	\$ 0.00	
27.360 pump	0			\$ 96.44	\$ 0.00	
27.770 pump	0			\$ 96.44	\$ 0.00	
28.180 pump	0			\$ 96.44	\$ 0.00	
28.590 pump	0			\$ 96.44	\$ 0.00	
29.000 pump	0			\$ 96.44	\$ 0.00	
29.410 pump	0			\$ 96.44	\$ 0.00	
29.820 pump	0			\$ 96.44	\$ 0.00	
30.230 pump	0			\$ 96.44	\$ 0.00	
30.640 pump	0			\$ 96.44	\$ 0.00	
31.050 pump	0			\$ 96.44	\$ 0.00	
31.460 pump	0			\$ 96.44	\$ 0.00	
31.870 pump	0			\$ 96.44	\$ 0.00	
32.280 pump	0			\$ 96.44	\$ 0.00	
32.690 pump	0			\$ 96.44	\$ 0.00	
33.100 pump	0			\$ 96.44	\$ 0.00	
33.510 pump	0			\$ 96.44	\$ 0.00	
33.920 pump	0			\$ 96.44	\$ 0.00	
34.330 pump	0			\$ 96.44	\$ 0.00	
34.740 pump	0			\$ 96.44	\$ 0.00	
35.150 pump	0			\$ 96.44	\$ 0.00	
35.560 pump	0			\$ 96.44	\$ 0.00	
35.970 pump	0			\$ 96.44	\$ 0.00	
36.380 pump	0			\$ 96.44	\$ 0.00	
36.790 pump	0			\$ 96.44	\$ 0.00	
37.200 pump	0			\$ 96.44	\$ 0.00	
37.610 pump	0			\$ 96.44	\$ 0.00	
38.020 pump	0			\$ 96.44	\$ 0.00	
38.430 pump	0			\$ 96.44	\$ 0.00	
38.840 pump	0			\$ 96.44	\$ 0.00	
39.250 pump	0			\$ 96.44	\$ 0.00	
39.660 pump	0			\$ 96.44	\$ 0.00	
40.070 pump	0			\$ 96.44	\$ 0.00	
40.480 pump	0			\$ 96.44	\$ 0.00	
40.890 pump	0			\$ 96.44	\$ 0.00	
41.300 pump	0			\$ 96.44	\$ 0.00	
41.710 pump	0			\$ 96.44	\$ 0.00	
42.120 pump	0			\$ 96.44	\$ 0.00	
42.530 pump	0			\$ 96.44	\$ 0.00	
42.940 pump	0			\$ 96.44	\$ 0.00	
43.350 pump	0			\$ 96.44	\$ 0.00	
43.760 pump	0			\$ 96.44	\$ 0.00	
44.170 pump	0			\$ 96.44	\$ 0.00	
44.580 pump	0			\$ 96.44	\$ 0.00	
44.990 pump	0			\$ 96.44	\$ 0.00	
45.400 pump	0			\$ 96.44	\$ 0.00	
45.810 pump	0			\$ 96.44	\$ 0.00	
46.220 pump	0			\$ 96.44	\$ 0.00	
46.630 pump	0			\$ 96.44	\$ 0.00	
47.040 pump	0			\$ 96.44	\$ 0.00	
47.450 pump	0			\$ 96.44	\$ 0.00	
47.860 pump	0			\$ 96.44	\$ 0.00	
48.270 pump	0			\$ 96.44	\$ 0.00	
48.680 pump	0			\$ 96.44	\$ 0.00	
49.090 pump	0			\$ 96.44	\$ 0.00	
49.500 pump	0			\$ 96.44	\$ 0.00	
49.910 pump	0			\$ 96.44	\$ 0.00	
50.320 pump	0			\$ 96.44	\$ 0.00	
50.730 pump	0			\$ 96.44	\$ 0.00	
51.140 pump	0			\$ 96.44	\$ 0.00	
51.550 pump	0			\$ 96.44	\$ 0.00	
51.960 pump	0			\$ 96.44	\$ 0.00	
52.370 pump	0			\$ 96.44	\$ 0.00	
52.780 pump	0			\$ 96.44	\$ 0.00	
53.190 pump	0			\$ 96.44	\$ 0.00	
53.600 pump	0			\$ 96.44	\$ 0.00	
54.010 pump	0			\$ 96.44	\$ 0.00	
54.420 pump	0			\$ 96.44	\$ 0.00	
54.830 pump	0			\$ 96.44	\$ 0.00	
55.240 pump	0			\$ 96.44	\$ 0.00	
55.650 pump	0			\$ 96.44	\$ 0.00	
56.060 pump	0			\$ 96.44	\$ 0.00	
56.470 pump	0			\$ 96.44	\$ 0.00	
56.880 pump	0			\$ 96.44	\$ 0.00	
57.290 pump	0			\$ 96.44	\$ 0.00	
57.700 pump	0			\$ 96.44	\$ 0.00	
58.110 pump	0			\$ 96.44	\$ 0.00	
58.520 pump	0			\$ 96.44	\$ 0.00	
58.930 pump	0			\$ 96.44	\$ 0.00	
59.340 pump	0			\$ 96.44	\$ 0.00	
59.750 pump	0			\$ 96.44	\$ 0.00	
60.160 pump	0			\$ 96.44	\$ 0.00	
60.570 pump	0			\$ 96.44	\$ 0.00	
60.980 pump	0			\$ 96.44	\$ 0.00	
61.390 pump	0			\$ 96.44	\$ 0.00	
61.800 pump	0			\$ 96.44	\$ 0.00	
62.210 pump	0			\$ 96.44	\$ 0.00	
62.620 pump	0			\$ 96.44	\$ 0.00	
63.030 pump	0			\$ 96.44	\$ 0.00	
63.440 pump	0			\$ 96.44	\$ 0.00	
63.850 pump	0			\$ 96.44	\$ 0.00	
64.260 pump	0			\$ 96.44	\$ 0.00	
64.670 pump	0			\$ 96.44	\$ 0.00	
65.080 pump	0			\$ 96.44	\$ 0.00	
65.490 pump	0			\$ 96.44	\$ 0.00	
65.900 pump	0			\$ 96.44	\$ 0.00	
66.310 pump	0			\$ 96.44	\$ 0.00	
66.720 pump	0			\$ 96.44	\$ 0.00	
67.130 pump	0			\$ 96.44	\$ 0.00	
67.540 pump	0			\$ 96.44	\$ 0.00	
67.950 pump	0			\$ 96.44	\$ 0.00	
68.360 pump	0			\$ 96.44	\$ 0.00	
68.770 pump	0			\$ 96.44	\$ 0.00	
69.180 pump	0			\$ 96.44	\$ 0.00	
69.590 pump	0			\$ 96.44	\$ 0.00	
69.999 pump	0			\$ 96.44	\$ 0.00	

Highland Hospital

MICU QSHPD Approved Plan Revisions
 POCO No: 243 / ACD 14-033 -MICU
 3/6/2014 UPDATED R30/2014

Scope: MICU Hilar, and Puncturing Changes



DRAFT

Mechanical

Item	Qty	Unit	Description	Material	Price	Subtotal	Notes
1 EA	1	EA	1/2" Floor Cover	0.000 plume	\$ 85.44	\$ 85.44	
1 EA	1	EA	Levy carrier	0.250 plume	\$ 85.44	\$ 85.44	
20 LF	20	LF	Levy and trim with Fascot	6.750 plume	\$ 36.44	\$ 728.80	
1 EA	1	EA	CI MR Pipe	0.120 plume	\$ 85.44	\$ 85.44	
1 EA	1	EA	MH Combo	0.570 plume	\$ 85.44	\$ 85.44	
5 EA	5	EA	MR 1/4" bend	0.380 plume	\$ 85.44	\$ 427.20	
1 EA	1	EA	2" NH Wye	0.560 plume	\$ 85.44	\$ 85.44	
1 EA	1	EA	2" x 1/2" Tapped Tee	0.610 plume	\$ 85.44	\$ 85.44	
30 EA	30	EA	Rusty coupling	0.580 plume	\$ 85.44	\$ 2563.20	
3 EA	3	EA	Hanger Assemblies	1.860 plume	\$ 85.44	\$ 256.32	
1 EA	1	EA	Concealment	2.000 plume	\$ 85.44	\$ 85.44	
0 LOT	0	LOT	Medical Gas/Air	0.000 plume	\$ 99.44	\$ 0.00	
0 LOT	0	LOT	Demolition	0.000 plume	\$ 99.44	\$ 0.00	
3 EA	3	EA	Water-Copper	0.000 plume	\$ 99.44	\$ 298.32	
2 EA	2	EA	3/4" Tee	0.170 plume	\$ 99.44	\$ 198.88	
2 EA	2	EA	3/4" x 1/2" T Tee	0.610 plume	\$ 99.44	\$ 198.88	
2 EA	2	EA	1/2" water hammer arrester	0.750 plume	\$ 99.44	\$ 198.88	
4 LF	4	LF	1/2" pipe	0.380 plume	\$ 99.44	\$ 397.76	
10 LF	10	LF	3/4" pipe	0.060 plume	\$ 99.44	\$ 994.40	
0 LOT	0	LOT	Waste/Vent/HH CI	0.000 plume	\$ 99.44	\$ 0.00	
1 EA	1	EA	Chemical setting pipe	0.000 plume	\$ 99.44	\$ 99.44	
1 EA	1	EA	1/2" Floor Cover	0.250 plume	\$ 99.44	\$ 99.44	
10 LF	10	LF	Levy carrier	0.120 plume	\$ 99.44	\$ 994.40	
1 EA	1	EA	CI MR Pipe	0.120 plume	\$ 99.44	\$ 99.44	
2 EA	2	EA	MH Combo	0.570 plume	\$ 99.44	\$ 198.88	
2 EA	2	EA	MR 1/4" bend	0.380 plume	\$ 99.44	\$ 198.88	
1 EA	1	EA	2" NH Wye	0.560 plume	\$ 99.44	\$ 99.44	
1 EA	1	EA	2" x 1/2" Tapped Tee	0.610 plume	\$ 99.44	\$ 99.44	
1 EA	1	EA	2" CI MR Tee	0.560 plume	\$ 99.44	\$ 99.44	
1 EA	1	EA	Rusty coupling	1.000 plume	\$ 99.44	\$ 99.44	
1 EA	1	EA	Hanger Assemblies	2.000 plume	\$ 99.44	\$ 99.44	
1 EA	1	EA	Concealment	2.000 plume	\$ 99.44	\$ 99.44	
0 LOT	0	LOT	Medical Gas/Air	0.000 plume	\$ 99.44	\$ 0.00	
40 LF	40	LF	Demolition	0.000 plume	\$ 99.44	\$ 3977.60	
8 EA	8	EA	1/2" 90 Fitting	0.400 plume	\$ 99.44	\$ 795.52	

Highland Hospital

NICU OSHPD Approved Price Revisions

PCO No. 243 / ACD 14-033-NICU

3/26/2014 UPDATED 5/06/2014

Scope: NICU HVAC and Plumbing Changes

Mechanical

DRAFT

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Item	Unit	QTY	Unit Price	Subtotal	Material	Waste	Subtotal	Material	Waste	Subtotal	Material	Waste	Subtotal	Material	Waste	Subtotal	Material	Waste	Subtotal		
20 LF																					
4 EA																					
2 EA																					
1 EA																					
15 EA																					
8 EA																					
0 Ltr																					
2 EA																					
2 EA																					
2 EA																					
4 LF																					
10 LF																					
0 LOT																					
1 EA																					
1 EA																					
1 EA																					
0 LOT																					
30 LF																					
8 EA																					
20 LF																					
4 EA																					
2 EA																					
1 EA																					
15 EA																					
2 EA																					
4 LF																					
4 EA																					
20 LF																					

Highland Hospital

NICU OBHSB Approved Plan Revisions
 RCO No: 343 / ACD 14-033 -NICU
 3/8/2014 UPDATED 5/30/2014

Scope: NICU HVAC and Plumbing Changes

Mechanical

DRAFT



Item	QTY	Unit	Material	Price	Subtotal	Notes	Estimate	Notes	Estimate
3/4" 90 Fitting	4 EA			1.42	\$ 5.68				\$ 5.68
Plumbing Assemblies	2 EA			31.00	\$ 62.00				\$ 62.00
Plumbing Assemblies	2 EA			7.50	\$ 15.00				\$ 15.00
Waste/Vent-NH CI	0 LOT				\$ 0.00				\$ 0.00
Plumbing Assemblies	1 EA			65.00	\$ 65.00				\$ 65.00
Plumbing Assemblies	15 LF			11.76	\$ 176.40				\$ 176.40
Plumbing Assemblies	2 EA			21.10	\$ 42.20				\$ 42.20
Plumbing Assemblies	1 EA			27.80	\$ 27.80				\$ 27.80
Plumbing Assemblies	1 EA			20.30	\$ 20.30				\$ 20.30
Plumbing Assemblies	1 EA			100.00	\$ 100.00				\$ 100.00
Medical Gas/Air	0 LOT				\$ 0.00				\$ 0.00
Medical Gas/Air	80 LF			3.01	\$ 240.80				\$ 240.80
Medical Gas/Air	4 EA			0.89	\$ 3.56				\$ 3.56
Medical Gas/Air	25 LF			8.84	\$ 221.00				\$ 221.00
Medical Gas/Air	8 EA			1.89	\$ 15.12				\$ 15.12
Medical Gas/Air	2 EA			7.40	\$ 14.80				\$ 14.80
Medical Gas/Air	15 EA			31.00	\$ 465.00				\$ 465.00
Medical Gas/Air	10 EA			7.90	\$ 79.00				\$ 79.00
Medical Gas/Air	0 LOT				\$ 0.00				\$ 0.00
Medical Gas/Air	2 EA			4.00	\$ 8.00				\$ 8.00
Medical Gas/Air	2 EA			21.00	\$ 42.00				\$ 42.00
Medical Gas/Air	2 LF			3.01	\$ 6.02				\$ 6.02
Medical Gas/Air	4 EA			0.70	\$ 2.80				\$ 2.80
Medical Gas/Air	10 LF			1.94	\$ 19.40				\$ 19.40
Medical Gas/Air	6 EA			1.42	\$ 8.52				\$ 8.52
Medical Gas/Air	0 LOT				\$ 0.00				\$ 0.00
Medical Gas/Air	1 EA			68.00	\$ 68.00				\$ 68.00
Medical Gas/Air	1 EA			210.00	\$ 210.00				\$ 210.00
Medical Gas/Air	16 LF			11.86	\$ 190.56				\$ 190.56
Medical Gas/Air	1 EA			37.70	\$ 37.70				\$ 37.70
Medical Gas/Air	2 EA			18.75	\$ 37.50				\$ 37.50
Medical Gas/Air	1 EA			13.70	\$ 13.70				\$ 13.70
Medical Gas/Air	1 EA			47.20	\$ 47.20				\$ 47.20
Medical Gas/Air	2 EA			23.90	\$ 47.80				\$ 47.80
Medical Gas/Air	1 EA			27.90	\$ 27.90				\$ 27.90

Highland Hospital

NICU Q3HPD Approval Plan Revisions
 PLOD No: 243 / ACD 14-033 -NICU
 3/8/2014 UPDATED 5/30/2014

Scope: NICU HVAC and Plumbing Changes



DRAFT

Mechanical

Item	Description	Unit	Quantity	Unit Price	Total Price	Notes
0.007	Sheetmetal	\$	96.24	1.00	96.24	
0.200	Sheetmetal	\$	96.24	0.70	67.37	
0.086	Sheetmetal	\$	96.24	2.42	233.30	
0.071	Sheetmetal	\$	96.24	8.10	780.54	
0.071	Sheetmetal	\$	96.24	5.85	562.79	
0.106	Sheetmetal	\$	96.24	3.00	288.72	
0.088	Sheetmetal	\$	96.24	8.60	827.86	
0.098	Sheetmetal	\$	96.24	7.40	712.56	
0.130	Sheetmetal	\$	96.24	3.85	367.52	
1.330	Sheetmetal	\$	96.24	8.20	789.50	
1.200	Sheetmetal	\$	96.24	9.35	893.24	
0.200	Sheetmetal	\$	96.24	4.23	406.20	
1.435	Sheetmetal	\$	96.24	15.85	1,478.58	
0.281	Sheetmetal	\$	96.24	8.88	841.00	
1.600	Sheetmetal	\$	96.24	20.00	1,904.16	
1.000	Sheetmetal	\$	96.24	23.00	2,202.96	
0.248	Sheetmetal	\$	96.24	1.00	239.00	
0.182	Sheetmetal	\$	96.24	1.00	239.00	
0.182	Sheetmetal	\$	96.24	1.00	239.00	
0.374	Sheetmetal	\$	96.24	1.00	478.00	
1.100	Sheetmetal	\$	96.24	1.00	1,061.00	
0.302	Sheetmetal	\$	96.24	1.00	296.00	
0.146	Sheetmetal	\$	96.24	1.00	142.00	
0.319	Sheetmetal	\$	96.24	1.00	312.00	
0.308	Sheetmetal	\$	96.24	1.00	296.00	
0.319	Sheetmetal	\$	96.24	1.00	312.00	
1.300	Sheetmetal	\$	96.24	1.00	1,260.00	
0.114	Sheetmetal	\$	96.24	4.26	481.00	
0.180	Sheetmetal	\$	96.24	4.90	561.00	
0.200	Sheetmetal	\$	96.24	6.05	661.00	
0.287	Sheetmetal	\$	96.24	8.35	901.00	
0.089	Sheetmetal	\$	96.24	3.48	310.00	
0.080	Flange	\$	96.44	4.84	466.77	
0.500	Flange	\$	96.44	8.95	861.00	
0.000	Flange	\$	96.44	628.00	628.00	
0.125	Shop crew	\$	96.24	7.44	713.00	
0.040	Shop crew	\$	96.24	32.00	1,280.00	
0.225	Shop crew	\$	96.24	8.60	1,935.00	
-07 LF						
-1 EA						
-23 LF						
-1 EA						
-7 EA						
-6 LF						
-1 EA						
-11 EA						
-6 LF						
-2 EA						
-11 EA						
-47 LF						
-2 EA						
-8 EA						
-12 LF						
-1 EA						
-7 EA						
-11 LF						
-8 LF						
-80 LF						
-17 LF						
-2 EA						
-12 LF						
-17 LF						
-10 LF						
-1 EA						
-18 LF						
-13 LF						
-28 LF						
-5 LF						
-4 LF						
-7 LF						
-1 EA						
-1 EA						
-40 LF						
-1 EA						
-11 LF						

Highland Hospital

NICU OBHPD Approved Plan Revisions

PCO No. 243 / ACD 14-033 -NICU

3/6/2014 UPDATED 5/30/2014

Mechanical

DRAFT



Scope: NICU HVAC and Plumbing Changes

Item		Quantity	Unit	Description	Unit Price	Subtotal	Material	Labor	Overhead	Profit	Total	Subtotal	Material	Labor	Overhead	Profit	Total
Heating Hot Water/Steam																	
	Demo	1	LOT	6,000 sheetmetal	\$ 98.24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 577	\$ 577	\$ 577	\$ 577	\$ 577	\$ 577	\$ 577.44
	Drabeem Ultra-Sorb/KV	2	EA	5,500 sheetmetal	\$ 98.24	\$ -	\$ -	\$ -	\$ -	\$ 1,050	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,050	\$ 1,050	\$ 2,627.32
	NSW-Handoffler, FSD, Registers	1	LOT	0,000 sheetmetal	\$ 98.24	\$ 11,200.00	\$ -	\$ -	\$ -	\$ -	\$ 0	\$ 11,200	\$ 0	\$ 0	\$ 11,200	\$ 11,200	\$ 12,180.00
	Steam piping 1"	40	LF	0,180 plumber	\$ 98.44	\$ 10,155	\$ -	\$ -	\$ -	\$ 694	\$ 406	\$ 0	\$ 0	\$ 0	\$ 1,100	\$ 1,106	\$ 28,40
	Steam piping 3/4"	40	LF	0,210 plumber	\$ 98.44	\$ 15,372	\$ -	\$ -	\$ -	\$ 810	\$ 615	\$ 0	\$ 0	\$ 0	\$ 1,425	\$ 1,479	\$ 38,67
	Steam 3/4" 30	5	EA	0,800 plumber	\$ 98.44	\$ 20,00	\$ -	\$ -	\$ -	\$ 415	\$ 130	\$ 0	\$ 0	\$ 0	\$ 545	\$ 523	\$ 104,66
	Steam 1" 30	5	EA	1,100 plumber	\$ 98.44	\$ 26,00	\$ -	\$ -	\$ -	\$ 645	\$ 130	\$ 0	\$ 0	\$ 0	\$ 775	\$ 666	\$ 137,25
	Steam 1/2" nipples	12	EA	0,250 plumber	\$ 98.44	\$ 2,88	\$ -	\$ -	\$ -	\$ 289	\$ 35	\$ 0	\$ 0	\$ 0	\$ 324	\$ 327	\$ 27,24
	Steam 1/2 union	3	EA	0,800 plumber	\$ 98.44	\$ 21,20	\$ -	\$ -	\$ -	\$ 197	\$ 64	\$ 0	\$ 0	\$ 0	\$ 261	\$ 266	\$ 98,74
	Steam 3/4 union	2	EA	0,940 plumber	\$ 98.44	\$ 24,48	\$ -	\$ -	\$ -	\$ 181	\$ 49	\$ 0	\$ 0	\$ 0	\$ 230	\$ 235	\$ 117,28
	Steam 3/4" tee	1	EA	1,280 plumber	\$ 98.44	\$ 29,00	\$ -	\$ -	\$ -	\$ 123	\$ 29	\$ 0	\$ 0	\$ 0	\$ 152	\$ 155	\$ 164,98
	Steam 1-1/4" x 3/4" tee	3	EA	2,050 plumber	\$ 98.44	\$ 61,76	\$ -	\$ -	\$ -	\$ 805	\$ 185	\$ 0	\$ 0	\$ 0	\$ 990	\$ 808	\$ 248,72
	Steam 2"x1" tee	3	EA	3,350 plumber	\$ 98.44	\$ 119,65	\$ -	\$ -	\$ -	\$ 953	\$ 360	\$ 0	\$ 0	\$ 0	\$ 1,313	\$ 1,344	\$ 447,84
	Steam 1"x1/2" tee	1	EA	1,870 plumber	\$ 98.44	\$ 40,00	\$ -	\$ -	\$ -	\$ 161	\$ 40	\$ 0	\$ 0	\$ 0	\$ 201	\$ 205	\$ 204,98
	Steam trap 1/2"	2	EA	1,700 plumber	\$ 98.44	\$ 195,00	\$ -	\$ -	\$ -	\$ 328	\$ 310	\$ 0	\$ 0	\$ 0	\$ 638	\$ 655	\$ 330,51
	Gate valve 1/2"	1	EA	0,500 plumber	\$ 98.44	\$ 75,00	\$ -	\$ -	\$ -	\$ 91	\$ 75	\$ 0	\$ 0	\$ 0	\$ 126	\$ 133	\$ 132,88
	Gate valve 3/4"	1	EA	0,710 plumber	\$ 98.44	\$ 121,00	\$ -	\$ -	\$ -	\$ 88	\$ 121	\$ 0	\$ 0	\$ 0	\$ 189	\$ 200	\$ 200,08
	Install control valve	1	EA	1,200 plumber	\$ 98.44	\$ -	\$ -	\$ -	\$ -	\$ 118	\$ 0	\$ 0	\$ 0	\$ 0	\$ 116	\$ 116	\$ 115,73
	NWGR 3/4" pipe	30	LF	0,500 plumber	\$ 98.44	\$ 4,94	\$ -	\$ -	\$ -	\$ 174	\$ 145	\$ 0	\$ 0	\$ 0	\$ 319	\$ 331	\$ 11,95
	3/4" BK Fitting	10	EA	0,330 plumber	\$ 98.44	\$ 8,95	\$ -	\$ -	\$ -	\$ 111	\$ 90	\$ 0	\$ 0	\$ 0	\$ 201	\$ 208	\$ 80,84
	Hanger Assemblies	28	EA	1,565 plumber	\$ 98.44	\$ 31,00	\$ -	\$ -	\$ -	\$ 3,912	\$ 836	\$ 0	\$ 0	\$ 0	\$ 4,748	\$ 4,768	\$ 184,16
Shop Labor (assemble materials for field)																	
	Duct 14x12	23	LF	0,127 Shop crew	\$ 98.24	\$ 6,18	\$ -	\$ -	\$ -	\$ 292	\$ 148	\$ 0	\$ 0	\$ 0	\$ 424	\$ 437	\$ 18,99
	Duct 16x12	23	LF	0,132 Shop crew	\$ 98.24	\$ 7,44	\$ -	\$ -	\$ -	\$ 267	\$ 166	\$ 0	\$ 0	\$ 0	\$ 424	\$ 437	\$ 20,82
	Duct 18x8	2	LF	0,123 Shop crew	\$ 98.24	\$ 4,84	\$ -	\$ -	\$ -	\$ 24	\$ 10	\$ 0	\$ 0	\$ 0	\$ 33	\$ 34	\$ 17,19
	Duct 20x14	18	LF	0,147 Shop crew	\$ 98.24	\$ 11,19	\$ -	\$ -	\$ -	\$ 298	\$ 201	\$ 0	\$ 0	\$ 0	\$ 498	\$ 474	\$ 28,32
	Duct 20x14 90	4	EA	1,170 Shop crew	\$ 98.24	\$ 99,00	\$ -	\$ -	\$ -	\$ 460	\$ 186	\$ 0	\$ 0	\$ 0	\$ 646	\$ 620	\$ 155,01
	Duct 20x16	18	LF	0,162 Shop crew	\$ 98.24	\$ 12,44	\$ -	\$ -	\$ -	\$ 278	\$ 236	\$ 0	\$ 0	\$ 0	\$ 514	\$ 538	\$ 28,15
	Duct 24x12	18	LF	0,147 Shop crew	\$ 98.24	\$ 11,19	\$ -	\$ -	\$ -	\$ 295	\$ 201	\$ 0	\$ 0	\$ 0	\$ 496	\$ 474	\$ 28,32
	Duct 24x12 90	2	EA	1,230 Shop crew	\$ 98.24	\$ 45,00	\$ -	\$ -	\$ -	\$ 237	\$ 90	\$ 0	\$ 0	\$ 0	\$ 327	\$ 335	\$ 157,31
	Duct 30x12	11	LF	0,157 Shop crew	\$ 98.24	\$ 13,89	\$ -	\$ -	\$ -	\$ 188	\$ 151	\$ 0	\$ 0	\$ 0	\$ 317	\$ 330	\$ 29,99
	Duct 10x10	10	LF	0,115 Shop crew	\$ 98.24	\$ 2,44	\$ -	\$ -	\$ -	\$ 100	\$ 24	\$ 0	\$ 0	\$ 0	\$ 124	\$ 135	\$ 13,95
	Duct 12x12	11	LF	0,123 Shop crew	\$ 98.24	\$ 4,94	\$ -	\$ -	\$ -	\$ 130	\$ 94	\$ 0	\$ 0	\$ 0	\$ 124	\$ 139	\$ 17,16
Labor Summary																	
	Field labor #	231	hrs						\$ 24,499	\$ 17,738	\$ 0	\$ 0	\$ 42,437	\$ 43,999			
	Shop labor #	25	hrs														
	Sheetmetal Foreman field - 10%	03.07	hrs	10.00% foreman	\$ 100.35	\$ -	\$ -	\$ -	\$ 301	\$ 0	\$ 0	\$ 0	\$ 0	\$ 301	\$ 301	\$ 301	\$ 10,54
	Field labor #	9.3	hrs						\$ 991	\$ 0	\$ 0	\$ 0	\$ 0	\$ 991	\$ 991	\$ 991	



Highland Hospital

NICU CRHPD Approved Plan Revisions
 PGO No. 243 / ACD 14-053 -NICU
 3/8/2014 UPDATED 5/20/2014
 Scope: NICU HVAC and Plumbing Changes

Mechanical

DRAFT

Item	Unit	Quantity	Unit Price	Total Price	Subcontractor	Subcontractor %	Subcontractor Total	Contractor %	Contractor Total
Total Field overhead hours including foreman 102.4 hrs									
Sheetmetal Foreman shop - 10%	hr	2.87	\$ 331	\$ 950.38					\$ 950.38
Shop labor - 5.3 hrs	hr	5.3	\$ 331	\$ 1,754.30					\$ 1,754.30
Total Shop overhead hours including foreman 3.3 hrs									
SSM installing "TBD"	EA	1	\$ 94.16	\$ 94.16					\$ 94.16
Mechanical Sub-Contractor's									
CDL/Alabama Controls (Based on Airman's RCM pricing, resulting contractor quote)	1	1	\$ 37,729.62	\$ 37,729.62					\$ 37,729.62
NARCO Air Balance	1	1	\$ 9,860.00	\$ 9,860.00					\$ 9,860.00
Robert's Finstep	1	1	\$ 2,800.00	\$ 2,800.00					\$ 2,800.00
Bayless Insulation	1	1	\$ 8,300.00	\$ 8,300.00					\$ 8,300.00
Dezaller "TBD"	1	1	\$ 94.16	\$ 94.16					\$ 94.16
CAD Services "TBD"	1	1	\$ 94.16	\$ 94.16					\$ 94.16
Autismo Engineer "TBD"	1	1	\$ 94.16	\$ 94.16					\$ 94.16
Field Labor (plumber & sheetmetal & foreman)									
776.38	hr	776.38	\$ 30	\$ 23,291.40					\$ 23,291.40
3.27	hr	3.27	\$ 30	\$ 98.10					\$ 98.10
Shop Labor (sheetmetal & foreman)									
782	hr	782	\$ 30	\$ 23,460.00					\$ 23,460.00
Mechanical Contractor Subtotal									
Markup	18.00%			\$ 4,198.45					\$ 4,198.45
End Tier Sub-MU	5.00%			\$ 1,164.57					\$ 1,164.57
Sales Tax	9.00%			\$ 2,500.00					\$ 2,500.00
Permitting & Trans - 6% of field labor	6.00%			\$ 1,393.64					\$ 1,393.64
Overhead Non-CCIP	3.44%			\$ 799.32					\$ 799.32
Shop Insurance	8.48%			\$ 1,978.64					\$ 1,978.64
Bond	1.00%			\$ 232.71					\$ 232.71
City tax									
Mechanical Contractor Total									
				\$ 118,513.13					\$ 118,513.13

Summary

SUBTOTAL Subcontractor Cost
 General Contractor - Markup
 Bond & Insurance

TOTAL ESTIMATED COST

Highland Hospital

NICU Q&A/MD Approved Plan Revisions

PCO No: 243 / ACD 14-033 -NICU

3/6/2014 UPDATED 5/20/2014

Scope: NICU HVAC and Plumbing Changes

DRAFT

Mechanical



	FWS Cost	FWS Cost		
FWS Cost	\$ 198,003	\$ 194,714		
Field Labor	\$ 6,246	\$ -	\$ 242,717	
Shop Labor	\$ 2,563	\$ -	\$ 6,243	
Shop Equipment	\$ 63,826	\$ -	\$ 2,563	
Detailer	\$ 2,214	\$ -	\$ 33,820	
Clean-up	\$ 222,843	\$ 194,714	\$ 2,214	
Subtotal	\$ 35,428	\$ 12,737	\$ 307,857	\$ 363,891
Labor & Material Mark-ups			\$ 48,134	\$ 363,891
Equipment Mark-ups			\$ -	\$ 363,891
Subtotal			\$ 42,268	\$ 306,390
Zinc Trlr Sub			\$ 2,113	\$ 308,074
Mark-ups			\$ -	\$ 308,074
Subtotal			\$ -	\$ 405,638
Sales Tax			\$ 7,624	\$ 403,996
Subtotal			\$ -	\$ 419,848
Parking & Transportation \$10,000.17 + Non-CCIP Insurance \$3,098.85 + Shop Insurance \$293.48)			\$ 14,270	\$ 434,118
Bond			\$ 4,250	\$ 438,368
City Business Tax			\$ 751.95	\$ 439,824
SUBTOTAL Subcontractor Cost			\$ -	\$ 424,974
TOTAL Subcontractor Cost			\$ -	\$ 424,974

- Estimate Notes
- 1- Vanir estimate includes subcontractor bond similar to Contractor bond in their estimate.
 - 2- Vanir labor unit hrs. are based on MCAA.
 - 3- Vanir labor cost used is based on contractor's hourly cost for Foreman and Journeyman. 80% Journeyman/20% Foreman
 - 4- Vanir material costs for copper pipe and fittings reflect list prices less 15% similar to Contractor unit cost.
 - 5- Vanir bases labor of installation of units by MCAA.
 - 6- Outside Hrs not included. Part of O&M

Highland Hospital

NICU ORHPD Approved Plan Revisions

PICO No: 243 / ACD 14-053 -NICU

3/8/2014 UPDATED 5/30/2014

Cost associated with the NICU Specifications at ACT Bidg

Ceiling changes due to NICU reconfiguration



Calling This

DRAFT

NICU	QTY	UNIT	Unit			Total			Sub-Contractor	Sub-Contractor		
			QTY	UNIT PRICE	AMOUNT	QTY	UNIT PRICE	AMOUNT				
Ceiling changes due to NICU reconfiguration												
120 SF			0.025	Cap	\$ 74.88	\$ 2.80	\$ 0.25	\$0	(8,500)	\$0	(8,500)	\$4,82
203 SF			0.070	Cap	\$ 74.88	\$ 26.00	\$ 0.25	\$0	\$5,975	\$0	\$6,181	\$5,975
			0.000		\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0.00
Subtotal Summary												
			11.2		\$0.00	4,775.00	21	0.00	\$4,775	\$21	\$4,836	\$5,639
Ceiling changes due to NICU reconfiguration total												
									\$4,536	\$2	\$4,538	\$6,968
Sales Tax												
												\$85
Bond												
												\$523
Sub-Contract Markup												
												\$7,076
Ceiling changes due to NICU reconfiguration - Total												
												\$7,076

Summary

SUBTOTAL Subcontractor Cost		\$7,076
General Contractor - Markup	5.0%	\$354
Bond	3.80%	\$279
TOTAL ESTIMATED COST		\$7,705

Contractor Cost	Hrs	\$	\$	\$	\$
Mark-ups		\$ -	\$ -	\$ -	\$ -
Tax		\$ -	\$ -	\$ -	\$ -
Bond		\$ -	\$ -	\$ -	\$ -
TOTAL Subcontractor Cost		\$ -	\$ -	\$ -	\$ -

Estimate Notes

Highland Hospital

NICU 08/17/10 Approved Plan Revisions

PCO No: 2437 ACD 14-033 -NICU

3/6/2014 UPDATED 5/30/2014

Cost associated with the NICU Modifications at ACT Bldg

Scaling changes due to NICU reconfigurations

Celling 11a

DRAFT



ITEM	QTY	UNIT	PRICE	AMOUNT	DATE	DESCRIPTION	STATUS	REVISION	APPROVED BY	DATE	REVISION	APPROVED BY	DATE	REVISION	APPROVED BY	DATE	REVISION	APPROVED BY	DATE	



Highland Hospital

NICU OSHRD Approved Plan Revisions

PCO No. 243 / ACD 14-103 -NICU

3/6/2014 UPDATED 5/20/2014

DRAFT

Cost associated with the NICU Modifications in ACT Bid

Anteston Flooring

Revised areas of sheet linoleum & sheet rubber

Item	QTY	UNIT	UNIT PRICE	TOTAL	MARK-UP	MARK-UP AMOUNT	TOTAL WITH MARK-UP	EST. COST
Revised areas of sheet linoleum & sheet rubber								
Order (sheet rubber)	527 #		\$ 73.75	\$ 38,666.25	0.00%	\$ 0.00	\$ 38,666.25	\$ 38,666.25
Acid for sheet linoleum	428 #		\$ 73.75	\$ 31,565.00	0.00%	\$ 0.00	\$ 31,565.00	\$ 31,565.00
Order (sheet rubber)	500 #		\$ 73.75	\$ 36,875.00	0.00%	\$ 0.00	\$ 36,875.00	\$ 36,875.00
Order (sheet rubber)	50 #		\$ 73.75	\$ 3,687.50	0.00%	\$ 0.00	\$ 3,687.50	\$ 3,687.50
Subtotal				\$ 110,803.75		\$ 0.00	\$ 110,803.75	\$ 110,803.75
Sub-Contract Markup & Bond								
Revised areas of sheet linoleum & sheet rubber total	1 LB		\$ 0.00	\$ 0.00	0.00%	\$ 0.00	\$ 0.00	\$ 0.00
Sub-Contract Markup & Bond								
Revised areas of sheet linoleum & sheet rubber - Total								
SUBTOTAL Subcontractor Cost				\$ 110,803.75		\$ 0.00	\$ 110,803.75	\$ 110,803.75

General Contractor - Mark-up
5.00%
3.880%

TOTAL ESTIMATED COST

Contractor Cost	\$ 110,803.75							
Mark-ups	\$ 5,540.19							
Tax (direct material only)	\$ 4,241.06							
Performance & Payment Bond	\$ 0.00							
SUBTOTAL Subcontractor Cost	\$ 120,584.99							

Estimate Notes

Highland Hospital

NICU OSHPD Approved Plan Revisions

PCO No. 243 / ACD 14-033 -NICU

3/8/2014 UPDATED 5/20/2014

Cost associated with the NICU modifications at ACT Bldg

Doors

DRAFT



QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE	EST. COST	EST. QUANTITY	EST. UNIT PRICE	EST. TOTAL PRICE	EST. QUANTITY	EST. UNIT PRICE	EST. TOTAL PRICE
12,000	Crew	Crew 3070 half glass door frame & hardware and electric box - ALREADY PROCURED, NO CREDIT	\$ 78.33	\$ 1,425.00	\$	30	\$0.00	\$0.00	30	\$0.00	\$0.00
4,500	Crew	Crew 4070 half glass door frame & hardware - ALREADY PROCURED, NO CREDIT	\$ 76.33	\$ 1,125.00	\$	30	\$0.00	\$0.00	30	\$0.00	\$0.00
8,000	Crew	Door & frame for 14-441b-1	\$ 78.33	\$ 1,000.00	\$	30	\$4.00	\$1,458.00	30	\$1,458.00	\$1,458.00
16,000	Crew	ADD 7070 2 panel sliding glass doors	\$ 78.33	\$ 6,000.00	\$	30	\$3,084.00	\$24,000.00	30	\$27,084.00	\$9,221.78
0.000		Labor Summary	\$	\$	\$	30	\$0.00	\$0.00	30	\$0.00	\$0.00
0.000		Labor =	\$	\$	\$	30	\$0.00	\$0.00	30	\$0.00	\$0.00
54	hrs										
54.0	hrs										
1	LS	Door revisions total	\$0.00	\$0.00	\$	30	\$4,132.00	\$124,000.00	30	\$309,122.00	\$328,122.00
		Sales Tax									
		Sub-Contract Markup									
		Bond									
		Door revisions - Total									\$328,122.00
		SUBTOTAL Subcontractor Cost									\$328,122.00
		General Contractor - Mark-up	5.0%								\$16,406.00
		Bond	3.88%								\$12,533.00
		TOTAL ESTIMATED COST									\$357,061.00
		Contractor Cost	0 Hrs								\$
		Mark-ups	0.0%								\$
		Tax	0.0%								\$
		Performance & Payment Bond	Included								\$
		SUBTOTAL Subcontractor Cost	0.00%								\$

Highland Hospital

MCU OSHPD Approved Plan Revisions

PCO No: 243 / ADD 14-033 -NICU

3/6/2014 UPDATED 5/30/2014

Debris

DRAFT

Cost associated with the MCU Modifications at ACT Bldg

Door revisions



REV	DATE	DESCRIPTION	STATUS	APPROVED BY	DATE
01	03/06/14	Initial Estimate	Prepared		
02	05/30/14	Updated Estimate	Prepared		

Estimate Notes

Highland Hospital

NICU OSHPD Approved Plan Revisions

PCO No. 243 / ACD 14-033 -NICU

3/16/2014 UPDATED 6/30/2014

Cost associated with the NICU Modifications at ACT Bldg

Casework revisions



Casework

DRAFT

NO.	DATE	BY	DESCRIPTION	DATE	STATUS	APPROVED BY	DATE	REVISIONS	DATE	STATUS	APPROVED BY	DATE
1	3/16/2014	MS	Initial Casework	3/16/2014	Final	MS	3/16/2014	1	3/16/2014	Final	MS	3/16/2014
2	6/30/2014	MS	Updated Casework	6/30/2014	Final	MS	6/30/2014	2	6/30/2014	Final	MS	6/30/2014



Highland Hospital

NICU ORHFD Approved Plan Revisions
 POC No: 243 / ACD 14-033 -NICU
 3/6/2014 UPDATED 6:30PM14

Printing

Cost associated with the NICU Modifications at ACT 8466

DESC	Q	UNIT	Est	Unit Cost	Tot	Emp	Unit Cost	Tot	Total				Unit	Est
									Material	Equipment	Permits	Other Cost		
Painting - for revised drywall & ceiling									\$0	\$0	\$0	\$0	\$0	\$0.00
Net and primed drywall - walls	284 sf			\$ 68.76	\$	0.20	\$	0.04	\$244	\$57	\$11	\$0	\$312	\$1.10
Net and primed drywall - ceiling	69 sf			\$ 68.76	\$	0.20	\$	0.04	(88)	(21)	(3)	\$0	(112)	\$1.25
Net credit metal floor and frame	-8 sq			\$ 68.76	\$	15.00	\$		(543)	(89)	\$0	\$0	(632)	\$43.76
				\$ 68.76	\$		\$		\$0	\$0	\$0	\$0	\$0.00	\$0.00
				\$ 68.76	\$		\$		\$0	\$0	\$0	\$0	\$0.00	\$0.00
Subcontractor									\$0	\$0	\$0	\$0	\$0	\$0.00
Field labor	-3 hrs													
Painting - for revised drywall & ceiling	1 LB			\$0.00	\$	-47.80	\$		(237)	(47)	\$8	\$0	(275)	(27.00)
Total									\$0	\$4	\$1	\$0	(270)	(27.00)
Sales Tax	9.00%													
Bond	0.00%													
Sub-Contract Markup	13.00%													
Painting - for revised drywall & ceiling -Total														
SUBTOTAL Subcontractor Cost														(321)

General Contractor - Markup	5.0%														
Bond	3.88%														
TOTAL ESTIMATED COST															(349)

Contractor Cost															
Mark-ups	16.0%														
Tax (Included)	0.0%														
Performance & Payment Bond	0.00%														
SUBTOTAL Subcontractor Cost															\$ -

Estimate Notes

Highland Hospital

NICU OSHPD Approved Plan Revisions
 PCO No: 243 / ACD 14-023 -NICU
 5/8/2014 (UPDATED 5/02/2014)

Fire Sprinkler

DRAFT

Cost associated with the NICU Modifications at ACT Bldg



Description	Unit	Qty	Unit Cost	Total Cost	Material	Labor	Subcontractor	Permit	Sales Tax	Total	Subcontractor
Fire Sprinkler Contractor											
Allowance to adjust (aters) piping	1 lb	3,000	\$1.41	\$200.00	\$15.00	\$0	\$0	\$0	\$0	\$200.00	\$0
Allowance to add new heads	4 lb	4,000	\$1.41	\$280.00	\$10.00	\$0	\$0	\$0	\$0	\$290.00	\$0
Hydraulic calc	1 lb	8,000	\$1.41	\$1,128.00	\$0	\$0	\$0	\$0	\$0	\$1,128.00	\$0
Testing	1 lb	4,000	\$1.41	\$564.00	\$0	\$0	\$0	\$0	\$0	\$564.00	\$0
Labor Summary											
Shop & Field labor	30 hrs										
Fire Sprinkler Contractor total	1 LB	34.0	\$9.30	1,200.00	60	0.00	0.00	\$3,180	\$0	\$4,440	\$4,440
Sales Tax	5.00%							\$0	\$0	\$0	\$0
Sub-Contract Markup (including sales tax)	15.00%										
Bond	2.10%										
Fire Sprinkler Contractor - Total											
SUBTOTAL Subcontractor Cost											\$5,341
General Contractor - Markup	5.0%										\$267
Bond	3.89%										\$206
TOTAL ESTIMATED COST											\$5,815
Contractor Cost											
Design											
Sales Tax											
Mark-ups											
Bond											
SUBTOTAL Subcontractor Cost											\$
TOTAL Subcontractor Cost											\$
Estimate Notes											

REVISED PER ACD

LOCATION	SIGN TYPE	DESCRIPTION	MESSAGE	PREVIOUSLY LISTED	PRIOR MESSAGE
4127	BA2	ROOM ID W/ INSERT	MEDICAL PREP 4606 BRAILLE	NO	
4213	BA2	ROOM ID W/ INSERT	ANTE ROOM 4601A BRAILLE	NO	
4220	BA2	ROOM ID W/ INSERT	ANTEROOM 4607 BRAILLE	YES	4603 BRAILLE
4222	BA2	ROOM ID W/ INSERT	HAND WASH	YES	AIR BORNE INFECTION RM
4129	BA3	ROOM ID / SLIDER	4609 BRAILLE	YES	4421 BRAILLE
4130	BA3	ROOM ID / SLIDER	4608 BRAILLE	YES	4419 BRAILLE
4132	BA3	ROOM ID / SLIDER	4605 BRAILLE	YES	NICU A
4133	BA3	ROOM ID / SLIDER	4103 BRAILLE	YES	NICU B
4134	BA3	ROOM ID / SLIDER	4601 BRAILLE	YES	NICU C
4162	BA3	ROOM ID / SLIDER	4418 BRAILLE	YES	SOILED UTILITY 4609 BRAILLE
4212	BA3	ROOM ID / SLIDER	4602 BRAILLE	NO	
4136	BA4	ROOM ID - PERMANENT	HOUSEKEEPING	YES	HOUSEKEEPING
4199	BA8	BED ID	TBD	NO	
4201	BA8	BED ID	TBD	NO	
4202	BA8	BED ID	TBD	YES	1
4203	BA8	BED ID	TBD	YES	2
4204	BA8	BED ID	TBD	YES	3
4205	BA8	BED ID	TBD	YES	4
4206	BA8	BED ID	TBD	YES	5
4207	BA8	BED ID	TBD	YES	6
4184	BC2	EXIT ROUTE / LEVEL ID	TO EXIT	YES	TO EXIT
4190	BC2	EXIT ROUTE / LEVEL ID	EXIT ROUTE	YES	EXIT ROUTE
4191	BC2	EXIT ROUTE / LEVEL ID	TO EXIT	YES	TO EXIT
4193	BC2	EXIT ROUTE / LEVEL ID	EXIT ROUTE	YES	EXIT ROUTE

MATERIAL LABOR TOTAL

LABOR + MATERIAL	75	30	105
LABOR + MATERIAL	75	30	105
MATERIAL ONLY IF ALREADY PROCURED	75		75
MATERIAL ONLY IF ALREADY PROCURED	75		75
MATERIAL ONLY IF ALREADY PROCURED	120		120
MATERIAL ONLY IF ALREADY PROCURED	120		120
MATERIAL ONLY IF ALREADY PROCURED	120		120
MATERIAL ONLY IF ALREADY PROCURED	120		120
MATERIAL ONLY IF ALREADY PROCURED	120		120
MATERIAL ONLY IF ALREADY PROCURED	120		120
MATERIAL ONLY IF ALREADY PROCURED	120	30	150
LABOR + MATERIAL	120	30	150
NO COST ADDED	0	0	0
LABOR + MATERIAL	45	30	75
LABOR + MATERIAL	45	30	75
MATERIAL ONLY IF ALREADY PROCURED	45		45
MATERIAL ONLY IF ALREADY PROCURED	45		45
MATERIAL ONLY IF ALREADY PROCURED	45		45
MATERIAL ONLY IF ALREADY PROCURED	45		45
MATERIAL ONLY IF ALREADY PROCURED	45		45
MATERIAL ONLY IF ALREADY PROCURED	45		45
MATERIAL ONLY IF ALREADY PROCURED	45		45
MATERIAL ONLY IF ALREADY PROCURED	45		45
NO COST ADDED	0	0	0
NO COST ADDED	0	0	0
NO COST ADDED	0	0	0
NO COST ADDED	0	0	0
	1500	150	1650
	225	22.5	247.5
15%	1725	172.5	1897.5
9%	155.25		155.25
	1880.25		1680.25

PCO-243

Received from Miller (2014)
on 7-10-14. d

PCO #243-Clark PCO#810276 - NICU Modifications

7/10/2014

ITEM DESCRIPTION	UNIT	QTY	TOTAL \$ /UNIT	TOTAL COST	SUB TOTALS
Interior Construction					\$ 26,653.08
AMG				\$ 25,351.67	\$ 20K
Clean Up Painting, Touchup Painting, Temporary Protection of Finishes, etc.					
Labor					
Laborer	HRS	140	\$ 50.31	\$ 7,043.40	
Journeyman	HRS	140	\$ 70.84	\$ 9,917.60	
Foreman	HRS	14	\$ 75.24	\$ 1,053.36	
Dumpster:	EA	4	\$ 665.00	\$ 2,660.00	
Materials					
Masonry	EA	10	\$ 15.23	\$ 152.30	
Temp Walls/Doors	LS	1	\$ 1,000.00	\$ 1,000.00	
Subtotal Labor & Material				\$ 21,826.66	
OH & P at 15%				\$ 3,274.00	
Bond				\$ 251.01	
Total				\$ 25,351.67	

per Miller agreed to on 7-10-14

Clark GC's				\$ 1,301.41	
Temp Power \$1/\$1,000 of Sub Costs	LS			\$ 433.80	
Temp Water \$1/\$1,000 of Sub Costs	LS			\$ 433.80	
Temp Bathrooms \$1/\$1,000 of Sub Costs	LS			\$ 433.80	
Subtotal				\$ 1,301.41	



Clark Design/Build of California, Inc.
1411 East 31st Street
Oakland, CA 94612

March 12, 2014

Ms. Ann Ludwig
General Services Agency - County of Alameda
1401 Lakeside Drive
Suite 800
Oakland, CA 94612
Phone: (510) 208-9552
Fax: (510) 208-3995

Mr. Thomas McKimmy
General Services Agency - County of Alameda
1401 Lakeside Drive
Suite 800
Oakland, CA 94612
Phone: (510) 208-3990
Fax: (510) 208-9711

Ms. Patricia Corral
Vanir Construction Management, Inc.
1330 Broadway
Suite 802
Oakland, CA 94612
Phone: (510) 488-0151

Ms. Melissa Giordano
Vanir Construction Management, Inc.
1330 Broadway
Suite 802
Oakland, CA 94612
Phone: (510) 267-9710
Fax: (510) 267-9721

Mr. Stanley Ng
Vanir Construction Management, Inc.
1330 Broadway
Suite 802
Oakland, CA 94612
Phone: (510) 267-9710 ext. 216
Fax: (510) 267-9721

Cymbre Potter
Vanir Construction Management, Inc.
1330 Broadway
Suite 802
Oakland, CA 94612
Phone: (510) 267-9710 ext. 204
Fax: (510) 267-9721

Mr. John Powers
Vanir Construction Management, Inc.
1000 Broadway Street
Suite 475
Oakland, CA 94606

Karl Schultz
Vanir Construction Management, Inc.
1330 Broadway
Suite 802
Oakland, CA 94612
Phone: (510) 267-9710 ext. 217
Fax: (510) 267-9721

Project [112965] Highland Hospital ATR (Design/Build)
Subject ACT-2014-03-12-810276-NICU Reconfiguration

Dear Sir or Madam:

In response to GSA PCO #243, Clark hereby submits Change Order #810276 - NICU Reconfiguration. This proposal is to reconfigure the ACT NICU to reflect the revised layout as agreed to during the meeting held on March 19, 2013 between Clark, SmithGroup, Vanir, GSA and AMC and confirmed via DRFI 334.

This proposal is being provided to facilitate the change order process. Some subcontractor pricing has not been fully vetted and contains ROM pricing from lower tier subcontractors. Clark has included an allowance for Corbin's scope of work as this small local business has not yet provided pricing. Clark will continue to pursue costs and review subcontractor pricing proposals for this work.

Portions of the work in the NICU area, including but not limited to, plumbing, mechanical, electrical, & DFH have already been installed or fabricated per the permit documents. The requested reconfiguration of the NICU will require work that has already been installed to be

demolished and removed. Some materials have already been fabricated, purchased, and delivered. No credit has been provided for these materials.

We look forward to meeting with GSA/VCM to bring this change order to resolution.

CLARK PROPOSAL NO. 810276

Description of Change: NICU Reconfiguration

Proposed Cost: \$981,472

Schedule Impact: None.

Corresponding Contract Allowance: None.

This proposal is based on the following qualifications:

- 1) We include all qualifications and exclusions contained in the subcontractor's proposals.
- 2) We reserve the right to revise this proposal if it is not accepted within fifteen (15) days, or if the progress of the work changes the conditional upon which the proposal was based.
- 3) This change order includes ECOP participation in the following amounts:
 - LBE: \$657,182
 - SLBE: \$0
 - MBE: \$0
 - WBE: \$7,883
- 4) This proposal is per the unapproved ACD I4-033 drawings dated July 12, 2013. Any comments or modifications required due to OSHPD review will be provided in a follow-up proposal.
- 5) The added control station shown in the NICU drawings is an OFOI item and therefore has not been included in this proposal.
- 6) This proposal does not include emergency power or additional signage for the added crash cart alcove.

As always, please feel free to contact me at 510-488-0040 should you have any questions.

Sincerely,

CLARK DESIGN/BUILD OF CALIFORNIA, INC.

Nate Demary

cc Joe Bernard (Clark Construction Group - California, LP)
Nate Demary (Clark Design/Build of California, Inc.)
Mike Schnitzlein (Clark Design/Build of California, Inc.)
Marie Speakman (Clark Design/Build of California, Inc.)
Tegan Sullivan (Clark Design/Build of California, Inc.)

Correspondence No.

00941



COST SUMMARY
 Highland Hospital ATR Project
 Job No. 112963

3/11/2014

Clark Proposal #: 810275
 Description: NICU Modifications

Subconsultants Proposals :

Item #	Subcontractor	Reason for Cost	Cost Breakdown	Proposed Cost
1	Smith Group	Design	(Attached)	\$ 138,310.00
2	Modulus	BIM	(Attached)	\$ 9,700.00
3	Casco	Re-coordination and re-design	(Attached)	\$ 4,106.00
4	GFE	BIM Coordination	(Attached)	\$ 584.00

A. Subconsultants Proposals: \$ 152,700.00

Subcontractors Proposals :

Item #	Subcontractor	Reason for Cost	Cost Breakdown	Proposed Cost
1	CEI	Electrical	(Attached)	\$ 39,476.00
2	FWS	HVAC	(Attached)	\$ 520,807.00
3	FCI	Drywall	(Attached)	\$ 131,592.00
4	Casco	Sprinklers	(Attached)	\$ 6,403.00
5	Corbin/SEC	DFH/Casework	(Attached)	\$ 1,620.00
6	Corbin	Allowance for Automatic Doors, wall protection & subside curtains	(Attached)	\$ 40,000.00
7	Vomar	Signage	(Attached)	\$ 4,106.00
8	GFE	ACT	(Attached)	\$ 7,883.00

B. Subcontractors Proposals: \$ 748,647.00

General Contractor Proposals:

Item #	Contractor	Reason for Cost	Cost Breakdown	Proposed Cost

C. General Contractor Proposals: \$ -

D. Subtotal Change Costs (Calculated from A + B + C): \$ 901,347.00

E. Design Fees Compensation (Calculated from D): N/A \$ -

F. Subtotal Change Costs (Calculated from D + E): \$ 901,347.00

G. Mark-Up (Calculated from F): 5.0% \$ 45,067.35

H. GC Insurance CCIP (Calculated from F): 1.9500% \$ 17,576.27

I. GC Insurance Offhsa General Liability (Calculated from F): 0.0075% \$ 67.60

J. Total Insurance Costs (Calculated from H + I): \$ 17,643.87

K. Subtotal including Mark Up: \$ 964,056.22

L. GC Bond (Calculated from K): 1.80625% \$ 17,413.30

M. TOTAL - PROPOSAL AMOUNT (F + G + H + I): \$ 981,471.52



PCO NO
ACT - ~~225~~ 243 #

- Request For Proposal (RFP)
- Construction Change Directive (CCD)
- Force Account Work (FA)



PROJECT: Highland ATR #4758
Phase I - Satellite Building

DATE: 8/10/13

FROM: Alvin Lee
Vantir Construction Management
1330 Broadway, Suite 802
Oakland, CA 94612

TO: Katie Twomey
Clark Design Build of California, Inc.
7877 Oakport Street, Suite 1040
Oakland, CA 94621

- Provide detailed itemized Cost Proposal per Section 012600, P 1.2.3
- Proceed with CCD, Pricing Mutually Agreed of \$ _____, per Section 012600, P 1.2.4
- Proceed with CCD, Force Account, NTE \$ 5,000, per Section 012600, P 1.2.4
- Proceed with CCD, Contract Unit Prices, NTE \$ _____, per Section 012600, P 1.2.4

DESCRIPTION OF THE WORK:

In accordance with Document 012600 of the Project Manual, provide all design, labor, materials, tools, and equipment necessary to reconfigure the ACT NICU to reflect the layout as agreed in DRFI 334 (see Attachment A).

Provide revised medical equipment list and quantity and sizes of furniture for this area by 8/25 for County review.

Per CDB correspondence dated 5/17/13 (see attachment B), some work will need to be done in the field immediately in preparation of the upcoming deck pours. The above referenced funds are for the described work.

REASON FOR ADDITIONAL WORK:

Revisions to NICU to address AHS user comments.

FIELD DIRECTION FOR FORCE ACCOUNT WORK:

Clark is to proceed with this scope of work in the field on a T&M basis. All T&M tags associated with this scope of work need to be signed by VCM on a daily basis. At an agreed upon point in time, VCM and CDB will cease tracking on T&M and determine a negotiate price.

Cynthia Potter _____ 6/10/13
Construction Manager - Recommended Date

Alan Ludwig _____ 6/10/13
County - Authorized Date

Clark Design/Build of California - Accepted Date

N/A - Design Phase

Inspector - Acknowledged Date

Attachment A



Request For Information

Project [112965] - Highland Hospital ATR View Date 4/24/2013
(Design/Build)

Clark Design/Build of California, Inc.
1411 East 31st Street
Oakland, CA 94612

RFI No. D-00334

Primary Responder	Negin Kohanim Vanir Construction Management, Inc. 1000 Broadway Suite 475 Oakland, CA 94607 Phone: (510) 267-9710 ext. 209 Fax: (510) 663-1881	Date	4/24/2013
		Status	Open
		Resolved Date	
		Reason for Request	Confirmation of Instruction
		Action Requested	
		Probable Cost Effect	
		Probable Time Effect	
		Priority	
		Response Due	5/8/2013
CC	Ann Ludwig (General Services Agency - County of Alameda) James Hutcheson (Vanir Construction Management, Inc.) Alvin Lee (Vanir Construction Management, Inc.) Cymbre Potter (Vanir Construction Management, Inc.) Karl Schultz (Vanir Construction Management, Inc.)		
From	Marie Speakman Clark Design/Build of California, Inc.		

Subject ACT: NICU**Drawing No.****Detail No.****CSI Code****Other Ref. No.**

112965-00112

Information Requested

Per meeting held on March 19, 2013 between Clark, SmithGroup, Vanir, GSA and ACMC, please confirm the attached revised NICU floor plan.

Upon approval, this will be incorporated into ACD documents.

Recommendation**Initiated By**

Marie Speakman (Clark Design/Build of California, Inc.)

Response Information

Responder	Date	Response
Negin Kohanim		

Supporting documents and attached files

This RFI has the following supporting documents and attached files:

Description	Date	Open as
 Contractor RFI: 112955-00112NICU	4/3/2013	
 Attached file  Supporting document		

Distribution

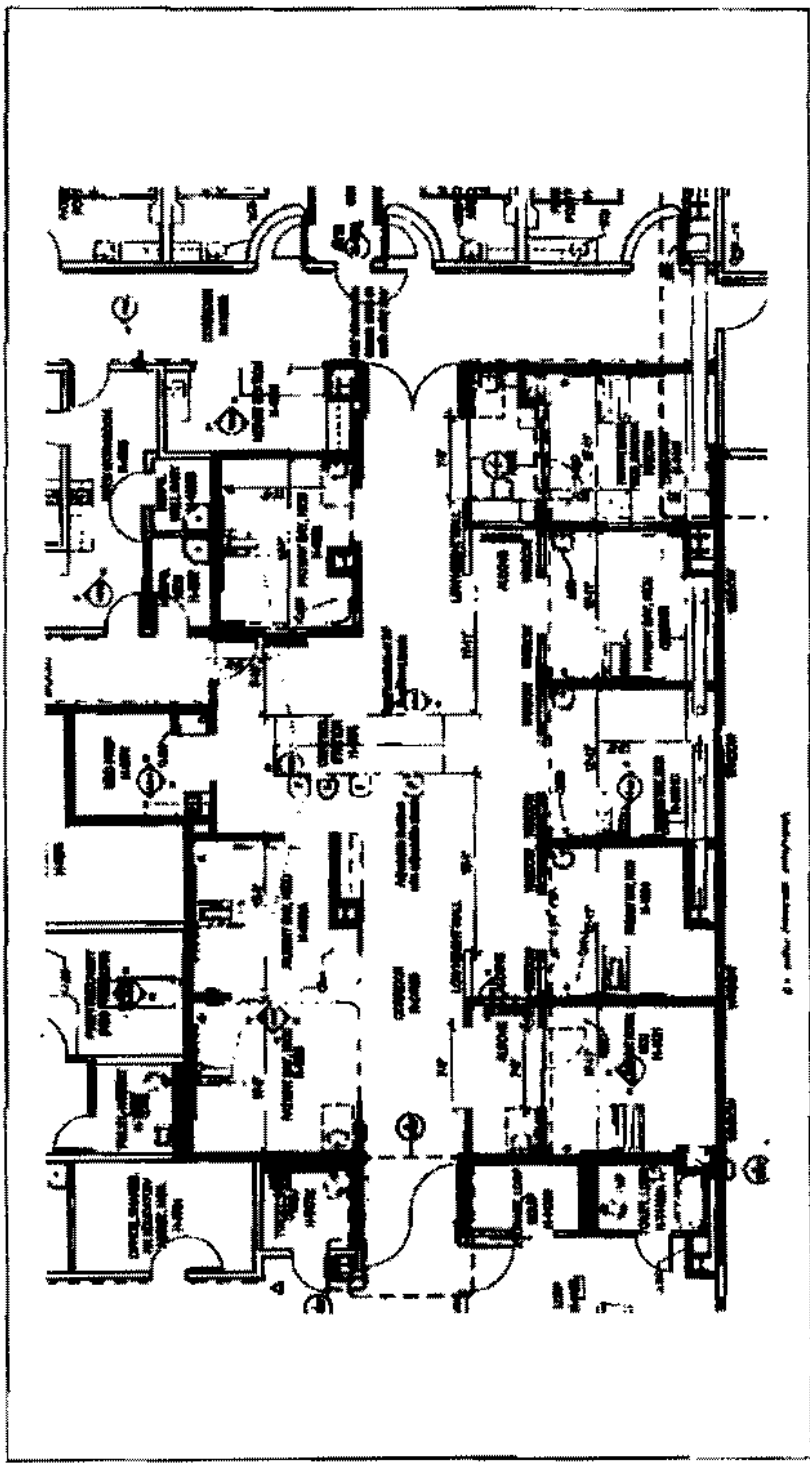
Recipient	Company	Method	Date
Alvin Lee	Vanir Construction Management, Inc.	Email: alvin.lee@vanir.com	4/24/2013
Ann Ludwig	General Services Agency - County of Alameda	Message	4/24/2013
Ann Ludwig	General Services Agency - County of Alameda	Email: ann.ludwig@acgov.org	4/24/2013
Cymbre Potter	Vanir Construction Management, Inc.	Message	4/24/2013
Cymbre Potter	Vanir Construction Management, Inc.	Email: cymbre.potter@vanir.com	4/24/2013
James Hutcheson	Vanir Construction Management, Inc.	Message	4/24/2013
James Hutcheson	Vanir Construction Management, Inc.	Email: james.hutcheson@vanir.com	4/24/2013
Karl Schultz	Vanir Construction Management, Inc.	Message	4/24/2013
Karl Schultz	Vanir Construction Management, Inc.	Email: karl.schultz@vanir.com	4/24/2013
Negin Kohanim	Vanir Construction Management, Inc.	Message	4/24/2013
Negin Kohanim	Vanir Construction Management, Inc.	Email: negin.kohanim@vanir.com	4/24/2013

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Handwritten initials or signature in the top right corner.

SMITHGROUP
 ARCHITECTS

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© 1998 SmithGroupJJR
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Clark Design/Build of California, Inc.
7677 Oakport Street
Suite 1040
Oakland, CA 94621
Phone: (510) 430-1700
Fax: (510) 430-1705

May 17, 2013

Ms. Ann Ludwig
General Services Agency - County of Alameda
1401 Lakeside Drive
Suite 800
Oakland, CA 94612
Phone: (510) 208-9552
Fax: (510) 208-3995

Project [112965] Highland Hospital ATR (Design/Build)
Subject ACT NICU ACD - DRFI 334

Dear Ms. Ludwig:

As per our meeting on May 17, 2013, CDB is to proceed with the ACD design for the ACT NICU layout dated 01 Mar 13, SK-03 NICU Alternate 2. The slab concrete pour for the Level 4 deck's target schedule is on 5/23/13, we will include floor sleeves in this pour using the typical Construction Document detail for the nurse "Control Station" which is not located adjacent to a wall. The intent of the sleeves is to provide a raceway to run services to the "Control Station".

We will evaluate during the complete design process any added user requests that we believe to be an increase to our contract value and will notify you accordingly for discussion. Depending on the timing of the OSHPD approval of the ACD, we may have schedule work around in this area since the rough in coordination will need to be re-reviewed. Thank you for assembling the end users to bring conclusion to the decisions for the NICU.

Sincerely,

CLARK DESIGN/BUILD OF CALIFORNIA, INC.

Katie Twomey
Vice President

cc Marie Speakman (Clark Design/Build of California, Inc.)
Cymbre Potter (Vanir Construction Management, Inc.)
Karl Schultz (Vanir Construction Management, Inc.)

Correspondence No. 00496

ID	Task Name	Duration	Start	Finish	December	January	February	March	April	May	June	July	August
1	MCU	8 days	Mon 12/16/24	Wed 12/25/24									
2	SS DELIVERY	76 days	Thu 12/19/24	Tue 02/05/25									
3	CD8 REVIEW	40 days	Mon 12/16/24	Fri 1/23/25									
4	COUNTY REVIEW	3 days	Tue 01/07/25	Tue 01/07/25									
5	OSHA SUBMISSION	3 days	Mon 01/06/25	Wed 01/08/25									
6	COORDINATION	3 days	Mon 01/06/25	Wed 01/08/25									
7	DENO	3 days	Mon 01/06/25	Wed 01/08/25									
8	LAYOUT	5 days	Mon 01/06/25	Thu 01/09/25									
9	FRAMING /TOP DOWN	10 days	Mon 01/06/25	Mon 01/20/25									
10	IN WALL	10 days	Tue 01/07/25	Mon 01/20/25									
11	OVER HEAD	10 days	Tue 01/07/25	Mon 01/20/25									
12	CLOSE UP JOINT WALL	10 days	Tue 01/07/25	Mon 01/20/25									
13	PAINT / SMOGIES	10 days	Tue 01/07/25	Mon 01/20/25									
14	T BAL CEILING	5 days	Tue 01/07/25	Mon 01/20/25									
15	MIL WORK	5 days	Tue 01/07/25	Mon 01/20/25									
16	CEILING DRESSES	4 days	Tue 01/07/25	Mon 01/20/25									
17	CEILING CLOSE UP	4 days	Mon 01/20/25	Mon 01/27/25									
18	INSPECTION	4 days	Tue 01/21/25	Tue 01/28/25									
19	DROP CEILING TILE	4 days	Tue 01/21/25	Tue 01/28/25									
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Project Schedule Fragment 1-28-24
 Date: Fri 1/31/24

Task: **MCU**

Start: **Mon 12/16/24**

Finish: **Wed 12/25/24**

Duration: **8 days**

Summary: **MCU**

Task Summary: **MCU**

External Tasks: **MCU**

External Milestones: **MCU**

Internal Milestones: **MCU**

Internal Summary: **MCU**

Internal Task: **MCU**

Internal Start: **Mon 12/16/24**

Internal Finish: **Wed 12/25/24**

Internal Duration: **8 days**

Internal Summary: **MCU**

Internal Task: **MCU**

Internal Start: **Mon 12/16/24**

Internal Finish: **Wed 12/25/24**

Internal Duration: **8 days**

highland
nicu

38385.108

SPENT TO DATE TO COMPLETE

SPENT IN MEETINGS AND DOCUMENT PRODUCTION					
vince + CINDY	70	\$235.00		\$16,450.00	
mona	80	\$200.00		\$16,000.00	
giovanni				\$12,000.00	
TO BE SPENT IN DOC PRODUCTION AND OSHPD BACKCHECK					
TO GO					
MONA	80	\$200.00			\$16,000.00
VISHAL	80	\$150.00			\$12,000.00
GIOVANNI	80	\$150.00			\$12,000.00
CK	24	\$240.00			\$5,760.00
direct costs - printing					\$3,000.00
GRAND TOTAL				\$75,950.00	\$62,360.00
				\$138,310.00	



Peter Michealsen

Modulus Consulting, LLC
369 Pine Street, Suite 610
San Francisco, CA 94104
Phone: (415) 312-6256

Kyle Knapp

Clark Construction Group
484 Lake Park Ave. #234
Oakland, CA 94610
Phone: 510-488-0052

Subject: Highland Hospital ACT Modulus Estimated Costs for ACD 14-033 - NICU

Kyle:

This change order is for coordination of the revised NICU on level 4 of the Highland Hospital ACT project per ACD 14-033. Specifically, Modulus Consulting has the following added work and associated costs:

1. Create a new Master Model with updated trade files.
2. Set up clash batches, run and group clashes prior to each coordination meeting.
3. Facilitate coordination meetings with trades of the space affected by the change.
4. Project management (correspondence with detailers and Clark, creating viewpoints for clarification, etc.) throughout coordination of the changed space.

Add: \$9700

Qualifications:

1. Hardware and software (Navisworks, AutoCAD, Revit, Gotomeeting, Box) to facilitate BIM coordination is included.
2. This add assumes 5 coordination meetings.
3. Modeling is not included in this add.
4. Reproduction costs are not included.
5. Field work such as field verification or layout is not included.
6. Coordination shall use a 0" clearance between MEPF systems and 2" clearance between steel and MEPF.

Please let me know if you have any questions.

Sincerely,

Peter Michelson
Modulus Consulting, LLC
9/16/2013



CUPERTINO
ELECTRIC INC. *SAN FRANCISCO*

February 25, 2014

Clark Construction Company
7677 Oakport St., Suite 1040
Oakland, CA 94621

Via Email:
stephan.hoague@clarkconstruction.com

Attention: Stephan Hoague

RE: Highland Hospital ACT/SAT
 Clark PCO Reference No. 810276
 CEI SF Job#12-41121500

Subject: CEI COR #292

Dear Stephan,

We are pleased to submit the following price to perform work outlined in the unapproved ACD-I4-033 drawings dated July 12, 2013. Please note this price is subject to change as the drawings are unapproved and we have not yet been provided hard pricing from second tier subcontractors.

TOTAL: \$ 39,476

SCHEDULE EXTENSION: 5 days

ACCELERATION/
OVERTIME COSTS: None Included

STATUS: Price Only

Scope of Work:

1. The scope of work includes all changes and revisions to the NICU department, Area 4, level 4. This includes several added light fixtures, new floor boxes (poke-thru devices) and related coring, as well as new security and telecom provisions as shown on the ACD-14-033 drawings dated 7/12/2013.

Notes/Considerations:

1. All work performed on straight time.
2. The price included herein is based on ROM vendor and second tier subcontractor pricing and is subject to change upon receipt of hard pricing. Pricing will be updated and re-submitted once quotes are received.
3. Please note that light fixtures have already been ordered and delivered. No credit will be provided for fixtures deleted; fixtures will be turned over to the owner at the end of the project.
4. CEI reserves to right to alter/update pricing upon receipt of approved ACD-14-033 drawings.
5. Labor rates are based on CCIP participation.
6. Additional manpower will be required, as this change represents additional scope above what was planned in our base bid activities. Please reference the following activity:

Level	Activity No.	Description	Early Start	Additional Day(s) Required
4	▪ ACT-60010	Electrical OH Rough-in Area 4, Level 4	Nov 18, 2013	2
	▪ ACT-33950	Electrical Wall Rough-in Area 4, Level 4	Jan 31, 2013	3
	▪			
	▪			
Total Days (Installation):				5

1. The contract general conditions do not apply to this request as the extension in time is not the result of a delay. The extension of time, if indicated, is required to be added to the schedule as this change order request results in additional work which was not defined in the bid or conformed set of drawings and specifications. These additional days will be required to be incorporated into the revised schedule for the impacted activities. Verification that the master schedule end date has not shifted is the responsibility of the General Contractor.

2. Pricing issued herein is subject to change if an executed change order is not received by 3/11/2014.
3. As this change order requires additional material and labor costs, Cupertino Electric, Inc. will not proceed with the work as a no cost change.
4. This change order pricing is provided based on out of sequence work. CEI will provide separate pricing for overtime, shift work or acceleration costs, if required, if Clark Construction issues a revised construction schedule for this area. These costs are not included in this price.
5. Cupertino Electric, Inc. reserves its right to claim separately at a later date for additional costs and time extension incurred due to delay, disruption and/or other impacts caused in whole or part by the changed work reflected herein; including the cumulative impact of change orders and their affects on productivity, trade stacking, acceleration and delay.

Thank you for this opportunity to be of ongoing service to you on this project. If you have any questions or need additional information regarding this change order request, please contact me at (415) 596-2401.

Sincerely,

Ken Humphrey

Ken Humphrey
Sr. Project Manager

cc: Kim Nguyen, Project Executive
CEI Foreman
CEI Change Order Binder

HIGHLAND HOSPITAL ACT BUILDING

CEI CHANGE ORDER NO. 292

DESCRIPTION: ACD-14-033 NICU REVISIONS ROM PRICING

Final Pricing	Calculated (%)	Calculated (\$)	Variance (%)	Modified (\$)	Modified (%)	Alarm
Database Material (Extension)		3,931.06		3,931.06		
Material Escalation						
Quoted Material (Extension)						
Quoted Material		3,500.00		3,500.00		
Material Tax						
Material Total		7,431.06		7,431.06		
Direct Labor		9,256.91		9,256.91		
Incidental Labor						
Labor Factoring						
Labor Escalation		259.23		259.23		
Indirect Labor						
Labor Tax						
Labor Total		9,516.14		9,516.14		
Subcontractors		18,000.00		18,000.00		
General Expenses						
Equipment						
Total Cost		34,947.20		34,947.20		
Database Material Overhead						
Quoted Material Overhead						
Labor Overhead						
Subcontractors Overhead						
General Expenses Overhead						
Equipment Overhead						
Adjustment Overhead						
Total Overhead						
Database Material Markup	15.000	589.66		589.66	15.000	
Quoted Material Markup	15.000	526.00		526.00	15.000	
Labor Markup	15.000	1,427.42		1,427.42	15.000	
Subcontractors Markup				900.00	5.000	
General Expenses Markup						
Equipment Markup					5.000	
Adjustment Markup						
Total Markup	7.274	2,542.08	35.40	3,442.08	9.849	
Adjustment #1 Material Tax				668.80	1.742	
Adjustment #2						
Adjustment #3						
Final Adjustment						
Selling Price		37,489.28	4.18	39,058.06		
BOND	1.070	401.14	4.18	417.92	1.070	
Final Price		37,890.42	4.18	39,476.00		

	Labor Type	Crew	Hours	Rate \$	SubTotal	Brdn %	Frm	Brdn Tot.	Fmg Tot.	Total	Full Rate
3	FOREMAN-ST	1.00	50.83	53.04	2,696.02	81.770		2,204.54		4,900.56	98.41
4	JOURNEYMAN-ST	1.00	50.83	47.15	2,396.83	81.770		1,958.72		4,355.55	85.70
Totals		2.00	101.66	50.09	5,092.85	81.770		4,164.26		9,256.01	91.06

	Quoted Materials	Alarm	Cost	Adjustment %	Adj Cost	Vendor	Code
4	150-FIXTURES	Off	3,500.00		3,500.00	ROMPLUG	150
Totals			3,500.00		3,500.00		

	Subcontractors	Alarm	Cost	Overhead %	Markup %	Total	Vendor
4	503 SECURITY SYSTEM	Off	13,000.00			13,000.00	COMTEL-ROM
5	504 TELEPHONE/DATA SYSTEM	Off	5,000.00			5,000.00	CELLV-ROM
Totals			18,000.00			18,000.00	

	System	Material(\$)	Mat(%)	Labor Hrs	Lab(%)
1	06-FIXTURES	89.87	2.26	13.90	13.67
2	07-LIGHTING BRANCH	89.78	2.54	3.84	3.78
3	12-POWER BRANCH	645.01	16.43	19.57	19.24
4	16-TELEPHONE/DATA CONDUIT	2,720.95	69.22	50.60	49.76
5	23-SECURITY/CARD READER	298.73	7.62	13.47	13.25
6	28-CCTV SYSTEM	75.71	1.93	0.31	0.30
Total		3,931.06	100.00	101.66	100.00

06-FIXTURES

	Description	Quantity	Net Cost	Unit	Total Material	Labor	Unit	Total Hours	Material C	Labor Co
1	F1-2X2 REC INT-BAR	-1	0.00	E	-0.00	0.85	E	-0.85	Quoted	Normal
2	F10-REC CFL	1	0.00	E	0.00	1.19	E	1.19	Quoted	Normal
3	F3-4 REC LINEAR STAGGERED STRIP	2	0.00	E	0.00	0.95	E	1.90	Quoted	Normal
4	F4B-REC CFL IN GYP	3	0.00	E	0.00	1.19	E	3.57	Quoted	Normal
5	EX1-CEIL MNT EXT	1	0.00	E	0.00	1.25	E	1.25	Quoted	Normal
6	F2-3 STAGGERED STRIP IN COVE	2	0.00	E	0.00	2.20	E	4.40	Quoted	Normal
7	F8B-REC 2X4 IN GYP	-1	0.00	E	-0.00	1.00	E	-1.00	Quoted	Normal
8	1/2" STEEL FLEX	6	87.95	C	5.28	5.00	C	0.30	Normal	Normal
9	1/2" STL FLEX CONN	1	360.20	C	3.60	15.00	C	0.15	Normal	Normal
10	1/2" STL 90 FLEX CONN	1	578.72	C	5.79	18.00	C	0.18	Normal	Normal
11	#12 THHN	24	229.01	M	5.50	7.50	M	0.18	Normal	Normal
12	#12/3C+G MCC CABLE STL ARMR	12	1,168.80	M	14.03	43.75	M	0.53	Normal	Normal
13	ETP AMC-50 1/2-IN SGL STL BOX C	4	1.40	E	5.60	15.00	C	0.60	Normal	Normal
14	TSGB16A0J BOX MTG BRKT	1	203.26	C	2.03	7.50	C	0.07	Normal	Normal
15	512 24" T-BAR BOX HNGR	0	544.52	C	0.00	0.00	C	0.00	Normal	Normal
16	MSC MTG	7	3.25	E	22.75	0.00	E	0.00	Normal	No Labor
17	CEILING WIRE	2	0.00	E	0.00	0.05	E	0.10	Normal	No Labor
18	BOWERS 4-SDW-SPL 4-IN SQ BOX	3	5.30	E	16.17	35.00	C	1.05	Normal	Normal
19	STL-CTY 400 4-IN SQ FLAT BLANK-52C1	2	132.10	C	2.64	9.00	C	0.18	Normal	Normal
20	STL-CTY 52C3-25/80 4-IN PLAS-RING	0	303.39	C	0.00	0.00	C	0.00	Normal	Normal
21	STL-CTY 52C14-5/8 1G 5/8D SWITCH RIN	1	211.22	C	2.11	9.00	C	0.09	Normal	Normal

	Description	Quantity	Net Cost	Unit	Total Material	Labor	Unit	Total Hours	Material C	Labor Co
22	IDEAL Y-BULK YELLOWINS WIRE CONN	6	81.22	M	0.48	0.00	M	0.00	Normal	No Labor
23	(A101) 4-SDBOX/BLANK COVER	2	0.00	E	0.00	0.00	E	0.00	No Cost	No Labor
24	(A103) 4-SDBOX/CLG RING/T-BAR	0	0.00	E	0.00	0.00	E	0.00	No Cost	No Labor
25	(A107) 4-SDBOX/BAR HGR/1GR	1	0.00	E	0.00	0.00	E	0.00	No Cost	No Labor
26	(A404) 6' FLEX 1/2"-3 WIRE	1	0.00	E	0.00	0.00	E	0.00	No Cost	No Labor
27	(A405) 8' MC 12/3 FIXT FLEX UNI	2	0.00	E	0.00	0.00	E	0.00	No Cost	No Labor
28	3MR-BULK RED INS WIRE CONN	18	0.11	E	1.76	0.00	M	0.00	Normal	Normal
29	SCREWS 6X1/2 HEX HD DRILL TAP S	14	0.08	E	1.12	0.00	C	0.00	Normal	Normal
Totals		113			88.86			13.89		

07-LIGHTING BRANCH

	Description	Quantity	Net Cost	Unit	Total Material	Labor	Unit	Total Hours	Material C	Labor Co
1	3/4" EMT	30	155.48	C	46.64	6.20	C	1.86	Normal	Normal
2	3/4" EMT STL SS CONN	6	54.67	C	3.28	12.00	C	0.72	Normal	Normal
3	3/4" EMT STL SS CPLG	4	67.24	C	2.69	6.00	C	0.24	Normal	Normal
4	3/4" EMT STRUT CLAMP	4	303.72	C	12.16	3.75	C	0.15	Normal	Normal
5	#10 THHN	99	353.84	M	35.03	8.75	M	0.87	Normal	Normal
Totals		143			99.79			3.84		

12-POWER BRANCH

	Description	Quantity	Net Cost	Unit	Total Material	Labor	Unit	Total Hours	Material C	Labor Co
1	3/4" EMT	90	155.48	C	139.93	6.20	C	5.58	Normal	Normal
2	3/4" EMT STL SS CONN	12	54.67	C	6.58	12.00	C	1.44	Normal	Normal
3	3/4" EMT STL SS CPLG	11	67.24	C	7.40	6.00	C	0.66	Normal	Normal
4	3/4" EMT STRUT CLAMP	11	303.72	C	33.41	3.75	C	0.41	Normal	Normal
5	#12 THHN	396	228.01	M	90.69	7.50	M	2.97	Normal	Normal
6	1/4" SLIPROD	27	18.00	C	4.86	4.50	C	1.22	Normal	Normal
7	70&B ANGLE #5-1/4 ROD HNGR	8	64.46	C	5.80	0.00	C	0.00	Normal	No Labor
8	POWERS 05150S 1/4X1-3/8 SLEEVE ANC	9	59.58	C	5.38	25.00	C	2.25	Normal	Normal
9	2" CORE-SUB	4	80.00	E	320.00	0.00	E	0.00	Normal	No Labor
10	2" CORE LABOR	4	0.00	E	0.00	0.90	E	3.60	Normal	Normal
11	2" CORE SEAL	4	8.00	E	32.00	0.36	E	1.44	Normal	Normal
12	(A501) SLIPROD COND. SUP	0	0.00	E	0.00	0.00	E	0.00	No Cost	No Labor
Totals		588			646.01			19.57		

19-TELEPHONE/DATA CONDUIT

	Description	Quantity	Net Cost	Unit	Total Material	Labor	Unit	Total Hours	Material C	Labor Co
1	1 1/4" EMT	50	420.66	C	252.40	7.80	C	4.68	Normal	Normal
2	4" EMT	20	1,576.51	C	315.30	20.00	C	4.00	Normal	Normal
3	1 1/4" EMT STL SS CONN	6	199.70	C	11.98	20.00	C	1.20	Normal	Normal
4	4" EMT STL SS CONN	2	2,404.10	C	48.08	75.00	C	1.50	Normal	Normal
5	1 1/4" EMT STL SS CPLG	8	231.73	C	18.54	8.00	C	0.64	Normal	Normal
6	4" EMT STL SS CPLG	5	1,659.16	C	82.66	16.00	C	0.80	Normal	Normal
7	1 1/4" EMT 90 ELBOW	5	524.80	C	26.24	40.00	C	2.00	Normal	Normal
8	4" EMT 90 ELBOW	2	4,856.80	C	97.14	125.00	C	2.50	Normal	Normal
9	1 1/4" EMT STRUT CLAMP	6	516.64	C	31.00	5.00	C	0.30	Normal	Normal
10	4" EMT STRUT CLAMP	3	774.80	C	23.24	7.50	C	0.23	Normal	Normal

	Description	Quantity	Net Cost	Un	Total Material	Labor	Un	Total Hours	Material C	Labor Co
11	1/4" EMT 1-H STEEL STRAP	2	169.30	C	3.39	5.30	C	0.11	Normal	Normal
12	ARLEMT1251-1/4 NM TERMINATOR	2	0.52	E	1.04	8.00	C	0.16	Normal	Normal
13	4" PLASTIC BUSHING	2	1,119.54	C	22.39	62.00	C	1.24	Normal	Normal
14	S-STRUT H104-1/2X10 GOLF THRD R	54	3.38	E	182.52	8.80	C	4.75	Normal	Normal
15	1-1/4" J-HANGER	3	751.36	C	22.54	31.20	C	0.94	Normal	Normal
16	2" J-HANGER	10	810.96	C	81.10	31.20	C	3.12	Normal	Normal
17	4" J-HANGER	3	2,514.00	C	75.42	37.50	C	1.13	Normal	Normal
18	S-STRUTE145-1/2 HEXNUT	48	2.12	E	101.76	8.50	C	4.08	Normal	No Labor
19	S-STRUTE147-1/2" FLAT WASH	32	1.54	E	49.28	0.00	C	0.00	Normal	No Labor
20	STL-CTY503SC BEAM CLMP 1/2-13T	16	11.46	E	183.36	37.50	C	6.00	Normal	Normal
21	USB MOUNTING BRACKET-US55B	2	614.14	C	12.28	9.00	C	0.18	Normal	Normal
22	1G55 ADJUSTABLE RING-5SAR1G	2	1,535.32	C	30.71	9.00	C	0.18	Normal	Normal
23	5SLB-2MK04-11/16 SQUARE LARGE CA	2	1,720.14	C	34.40	35.00	C	0.70	Normal	Normal
24	WALKER ROCKET CAL. FLUSH POKE-THRU	2	143.70	E	287.40	1.50	E	3.00	Normal	Normal
25	PULL STRING-GREENLEE430	114	13.00	M	1.48	5.00	M	0.57	Normal	Normal
26	2" CORE-SUB	2	80.00	E	160.00	0.00	E	0.00	Normal	No Labor
27	3" CORE-SUB	2	120.00	E	240.00	0.00	E	0.00	Normal	No Labor
28	2" CORE LABOR	2	0.00	E	0.00	0.90	E	1.80	Normal	Normal
29	3" CORE LABOR	2	0.00	E	0.00	1.00	E	2.00	Normal	Normal
30	2" CORE SEAL	2	8.00	E	16.00	0.36	E	0.72	Normal	Normal
31	3" CORE SEAL	1	9.00	E	9.00	0.41	E	0.41	Normal	Normal
32	(A168) 5-SDBOX/1GR/1/4" STUB	2	0.00	E	0.00	0.00	E	0.00	No Cost	No Labor
33	(A162) POKE THRU W/ DUPLEX RECEP	2	0.00	E	0.00	0.00	E	0.00	No Cost	No Labor
34	(A513) 1 1/4" J-HANGER ASSEMBLY	3	0.00	E	0.00	0.00	E	0.00	No Cost	No Labor
35	(A515) 2" J-HANGER ASSEMBLY-3'	10	0.00	E	0.00	0.00	E	0.00	No Cost	No Labor
36	(A531) 4" J-HANGER ASSEMBLY-5'	3	0.00	E	0.00	0.00	E	0.00	No Cost	No Labor
37	LAYOUT BACKING FOR CLOCK	1	0.00	E	0.00	1.00	E	1.00	Normal	Normal
38	POKE THRU COVER PLATE-NICKEL	2	150.00	E	300.00	0.33	E	0.66	Normal	Normal
Totals		445			2,720.95			50.58		

23-SECURITY/CARD READER

	Description	Quantity	Net Cost	Un	Total Material	Labor	Un	Total Hours	Material C	Labor Co
1	3/4" EMT	90	155.48	C	139.93	6.20	C	5.58	Normal	Normal
2	3/4" EMT STL SS CONN	12	54.67	C	6.56	12.00	C	1.44	Normal	Normal
3	3/4" EMT 1-H STEEL STRAP	18	73.21	C	13.18	5.00	C	0.90	Normal	Normal
4	ARLEMT753/4 IN NM TERMINATOR	8	0.10	E	0.80	8.00	C	0.84	Normal	Normal
5	USB MOUNTING BRACKET-US55B	3	614.14	C	18.42	9.00	C	0.27	Normal	Normal
6	1G55 ADJUSTABLE RING-5SAR1G	3	1,535.32	C	46.06	9.00	C	0.27	Normal	Normal
7	5SLB-2MK04-11/16 SQUARE LARGE CA	3	1,720.14	C	61.60	35.00	C	1.05	Normal	Normal
8	BOWERS 4-SDW-FB-SPL 4-IN SOBOX	3	6.55	E	19.95	35.00	C	1.05	Normal	Normal
9	STL-CTY400 4-IN SQ FLAT BLANK-52C1	1	132.10	C	1.32	9.00	C	0.09	Normal	Normal
10	PULL STRING-GREENLEE430	36	13.00	M	0.47	5.00	M	0.18	Normal	Normal
11	(A160) 4-SDBOX/1GR/3/4" STUB	3	0.00	E	0.00	0.00	E	0.00	No Cost	No Labor
12	(A806) DET BD-DBL DOOR READER	1	0.00	E	0.00	0.00	E	0.00	No Cost	No Labor
13	DRILL FRAME	5	0.00	E	0.00	0.40	E	2.00	No Cost	Normal
14	SCREWS 6X1/2 HEX HD DRILL TAPS	18	0.08	E	1.44	0.00	C	0.00	Normal	Normal
15	INTCOMMSTRSTN	1	0.00	E	0.00	0.00	E	0.00	Normal	Normal

	Description	Quantity	Net Cost	Uni	Total Material	Labor	Un	Total Hours	Material C	Labor Co
16	INTCMTN	1	0.00	E	0.00	0.00	E	0.00	Normal	Normal
17	DURESSBUTTON	1	0.00	E	0.00	0.00	E	0.00	Normal	Normal
Totals		207			299.74			13.47		

26-CCTV SYSTEM

	Description	Quantity	Net Cost	Uni	Total Material	Labor	Un	Total Hours	Material C	Labor Co
1	USB BOX ASSEMBLY-USB-6SDB-60/75-	1	5,988.00	C	59.88	22.00	C	0.22	Normal	Normal
2	1G5S ADJUSTABLE RING-5SAR10	1	1,535.32	C	15.35	9.00	C	0.09	Normal	Normal
3	(A107)4-SDBOX/BAR HGRV1GR	1	0.00	E	0.00	0.00	E	0.00	No Cost	No Labor
4	SCREWS 8X1/2 HEX HD DRILL TAPS	6	0.08	E	0.48	0.00	C	0.00	Normal	Normal
Totals		9			75.71			0.31		

	Price Summary	Value	%	Alarm
	Database Material	3,931.06	9.958	
	Quoted Material	3,509.00	8.866	
	Material Total	7,431.06	18.824	
	Direct Labor	5,235.26	13.262	
	Direct Labor Burden & Fringes	4,280.88	10.844	
	Labor Total	9,516.14	24.106	
	Subcontractors	18,000.00	45.597	
	Prime Cost	34,947.20	88.528	
	Net Cost	34,947.20	88.528	
	Total Profit	3,442.06	8.719	
	Adjustment #1 Material Tax	688.80	1.694	
	Selling Price	39,058.06	98.941	
	BOND	417.92	1.059	
	Final Price	39,476.00	100.000	
	Labor Risk Ratio %	36.1710		
	Total Labor Hours	101.86		
	Average Labor Cost Per Hour	93.61		



F.W. SPENCER & SON, INC.
MECHANICAL CONTRACTORS

- SINCE 1808 -

99 SOUTH HILL DRIVE • BRISBANE, CA 94005-1215

PHONE: (415) 468-5000 • FAX: (415) 468-4579

CALIFORNIA CONTRACTOR'S LIC. #112799

03/11/14

Clerk Construction Group - California, LP
484 Lake Park Ave #234
Oakland, Ca 94610

ATTENTION: Nate Demary, Stephan Hoague, Mike Schnitzlein

RE: Highland Hospital Acute Tower Replacement Project
FWS # 0907-227Br1

SUBJECT: NICU Revisions (L4) ACD-14-033

Dear Nate:

We have attached for labor & material estimate for the subject change.

Please note there are significant alterations to the plumbing, mechanical piping & HVAC "dry" sheetmetal systems. As such we have included separate sets of estimate sheets for the "wet" (plumbing & piping) & "dry" (sheetmetal) disciplines which summarize on the front recap sheet.

There are several conditions that should be understood as they affect the credits that we are or are not able to offer:

- 1) All rooms are roughed in except for 4601, 4603 & 4606 and as such only these rooms have credits for this work applied.
- 2) All fixtures have been delivered & payed for and therefore can not be credited such as they are not able to be restocked. Some will be re-used such as a SK-5 becomes a LV-2 in Rm# 4601A.
- 3) Rms 4410 & 4603 are deleted and as such fixtures can not be credited nor rough-in for 4419. Credits will be applied while they can be applied for Rm 4603. ?

Additionally, we have prepared a brief description for a "road map" set of drawings that the estimate follows by item letter & ACD document item #'s such that there are both visual & written tools to follow the pricing sheets.

Please issue a change order in the amount of \$ 520,807.49 for this work.

Note: This change will require a time extension of 48 days.

Sincerely,

F.W. SPENCER & SON, INC.

Joe Meyer
Division Manager

JM/am

Attachments

Hand Deliver CD with Maps and Narrative

CC: BB, DL, KS, DF

Identified costs, and components thereof, are estimates and may not be actual costs

FWS reserves our rights to assess / evaluate cumulative impact of this change.

F.W. SPENCER & INC.
CHANGE ORDER SUMMARY

3/11/2014

Highland Hospital Acute Tower Replacement Project

Change Order Cost Analysis	Estimate	FWS # 0607-227Br1			
Material	Total				
Plumbing Material Cost - Attachment A (1)	\$23,909.06				
Sheetmetal Material Cost - Attachment A (2)	\$62,042.89				
Miscellaneous Cost - Attachment C	\$216.81				
Subtotal Material	\$86,168.76				
Labor Summary - Attachment A	Total	Hours	Hourly Rate	Taxable 3.44%	Taxable 8.49%
Plumber (Field) (342)	\$134,164.17	1393.48	\$96.28	\$53.71	1.95
Plumbing Foreman (Field) (342)	\$28,555.18	278.70	\$102.46	\$59.08	2.03
Plumbing General Foreman (Field)	\$0.00	0.00	\$128.68	\$74.00	2.55
Plumbing Apprentice (Field) (342)	\$0.00	0.00	\$77.74	\$37.69	1.20
Plumber (Shop) (342)	\$0.00	0.00	\$96.28		\$53.71 4.58
Plumbing Foreman (Shop) (342)	\$0.00	0.00	\$102.46		\$59.08 6.02
Plumbing General Foreman (Shop) (487)	\$0.00	0.00	\$108.18		\$87.74 5.75
Sheetmetal Worker (Field) (104)	\$31,418.43	326.98	\$96.09	\$62.80	1.92
Sheetmetal Working Foreman (Field) (104)	\$8,879.64	85.40	\$108.20	\$60.72	2.09
Sheetmetal General Foreman (Field) (104)	\$0.00	0.00	\$108.24	\$63.36	2.18
Sheetmetal Apprentice (Field) (104)	\$0.00	0.00	\$62.84	\$36.96	1.27
Sheetmetal Worker (Shop) (104)	\$5,114.79	53.23	\$96.09		\$52.80 4.48
Sheetmetal Working Foreman (Shop) (104)	\$1,119.94	10.85	\$106.20		\$80.72 5.15
Sheetmetal Working General Foreman (Shop) (104)	\$0.00	0.00	\$108.24		\$63.36 6.38
Shop Equipment Cost @ \$48.00 per Shop Hour	\$2,556.00	53.23	\$48.00		
Project Manager	\$0.00	0.00	\$121.98	\$70.00	2.41
Project Engineer	\$0.00	0.00	\$93.71	\$53.00	1.82
Detailer (Plumbing & Piping + Fab Spools)	\$63,747.20	416.00	\$129.20	\$82.00	2.13
Laborer	\$0.00	0.00	\$52.81	\$31.28	1.08
Material Delivery	\$0.00	0.00	\$77.00		
Clean-Up	\$2,784.09	63.21	\$52.51	\$31.28	1.08
Subtotal Labor	\$286,349.44				
Inspection/Documentation (5% Labor, Material Per Scope)	\$13,317.47				
Extended Maintenance	\$0.00				
Subtotal Labor	\$276,666.91				
Other Direct Costs	Total				
Tool/Equipment Rental - Attachment B	\$ 20,582.00				
Reproduction Costs	\$ -				
Subtotal Other Direct Costs	\$ 20,582.00				
Total (Material, Labor, Other)	\$388,428.04				
+ 15% Markup	\$ 54,876.41				
+ 10% Markup (Equipment Only)	\$ 2,089.20				
Subtotal	\$443,362.66				
Subcontractor Costs					
+ Subcontractor's Cost	\$ 42,289.48				
+ Subcontractor 5% Markup	\$ 2,113.47				
Subtotal	\$48,402.95				
+ 9% Sales Tax	\$ 9,606.50				
+ Parking & Transportation (5% of Labor - Lot & Van Expenses Only)	\$ 12,556.49				
+ Non-CCIP Insurance (3.44% of Pre-Taxed Field Labor)	\$ 4,516.03				
+ Shop Insurance (8.49% of Pre-Taxed Shop Labor)	\$ 293.49				
+ 1% Bond	\$ 4,877.46				
+ 0.18% City Business Tax	\$ 877.84				
Total	\$520,607.49				

This Change Order does not include any amounts for changes in the work sequence, delays, disruptions, consequential cost impacts and/or impact costs due to the cumulative effect of this change order with other changes or for any other reasons. Identified costs, and components thereof, are estimates and may not represent actual costs. FWS reserves our rights to assess / evaluate cumulative impact of this change.

Attachment A(1)

(Plumbing Materials/Labor Breakdown)

FWS # 0907-227Br1

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
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(DWV-Delete) DEMOLITION

All changed rooms are roughed in except for 4601, 4603 & 4606; therefore, only these rooms get labor credited.

"A" Level-4		#28-Delete (SK-5) (Rm# H-4421)				
1	Jr smth	(Demo) - #0700 Lav carrier			Demo	
10'-0"	2"	(Demo) - CI NH pipe			Demo	
1	2"	(Demo) - CI NH 1/8 Bend			Demo	
1	2"x1 1/2"	(Demo) - CI NH Tapped Tee			Demo	
1	2"	(Demo) - CI NH Riser Clamp (short)			Demo	
5	2"	(Demo) - Hushy 2000 couplings			Demo	
2	4"	(Demo) - Hushy 2000 couplings			Demo	
1	4"x2"	(Demo) - CI NH Tee			Demo	
2	2"	(Demo) - CI NH 1/4 Bend			Demo	
2	2"	Hanger Assemblies			Demo	
1	Kit	(Demo) - Longitudenal seismic			Demo	
1	1/2"	(Demo) - Seismic Insert			Demo	
1	2"	(Demo) - CI NH Tee			Demo	
		Demo Labor				16.0
1	4"-diam	Patch-Hole per (Act-14-929.1)+inspot	\$ 51.25	\$ 51.25		4.0
6	1/2"	(Patch)- Hilli Wege Anchors+inspion	\$ 11.45	\$ 91.60		2.0

*40 hrs to 20 hrs
12.5*

"A" L-3 Ovrhd		#28-Delete (SK-5) (Rm#H-4421)				
5'-0"	2"	(Demo) - CI NH pipe			Demo	
1	2"	(Demo) - CI NH MS 1/4 Bend			Demo	
3	2"	(Demo) - Hushy 2000 couplings			Demo	
1	4"x2"	(Demo) - CI NH Tee			Demo	
2	4"	(Demo) - Hushy 2000 couplings			Demo	
1	2"	Hanger Assemblies			Demo	
		Demo Labor				16.0

"B" Level-4		#28-Delete (SK-5) (Rm#-4419)				
1	Jr smth	(Demo) - #0700 Lav carrier			Demo	
10'-0"	2"	(Demo) - CI NH pipe			Demo	
1	2"	(Demo) - CI NH Tee			Demo	
1	2"x1 1/2"	(Demo) - CI NH Tapped Tee			Demo	
1	1 1/2"x6"	(Demo) - Nipple/Cap			Demo	
1	2"	(Demo) - CI Riser Clamp (short bar)			Demo	
10	2"	(Demo) - Hushy 2000 Clpg			Demo	
		Demo Labor				8.0
		Credit				
-1	(SK-5)	(Credit) Amr std 0965.00/0069.020				-3.3
-1	Fct	(Credit)- Kohler K-7515cp faucet				
-1	Straner	(Credit) Z-8743 1 1/4" Grd strainer				
-1	P-Trap	(Credit) Z-8702-9lc 1 1/4"x1 1/2"				
-1	stops	(Credit) - Kyscr 19xc Supply Kit				
1	4"-diam	Patch-Hole per Act-14-929.1	\$ 51.25	\$ 51.25		4.0
6	1/2"	(Patch) Hilli wedge Anchors	\$ 11.45	\$ 91.60		2.0

contradicts not. 3

*16 hrs to 3 hrs
12.5*

"B" L-3 Ovrhd		#28-Delete (SK-5) (Rm#-4419)				
5'-0"	2"	(Demo) - CI NH pipe			Demo	
2	2"	(Demo) - CI NH MS 1/4 Bend			Demo	
4	2"	(Demo)- Husky 2000 Clpg			Demo	
1	2"	Hanger Assemblies			Demo	
		Demo Labor				2.0

Attachment A(1)

(Plumbing Materials/Labor Breakdown)

FWS # 0007-227B-1

Qty	Size	Description	Unit Price	Total Price	Unit Labo	Total Labo
C Level-4 #28-Delete (SK-2) (Rm#-4576)						
10'-0"	2"	(Demo)- CI NH piping			Demo	
2	2"	(Demo)- CI NH 1/4 Bend			Demo	
7	2"	(Demo)- Husky 2000 Clpg			Demo	
1	2"x1 1/2"	(Demo)- CI NH Tapped Tee			Demo	
1	1 1/2"x 6"	(Demo)- Blk nipple/cap			Demo	
1	2"	(Demo)- CI NH riser Clamp (SE)			Demo	
		Demo Labor				4.0
1	4"-diam	Patch-Hole per (Act-14-829.1) inspt	\$ 51.25	\$ 51.25		4.0
C Level-3 #28-Delete (SK-2) (Rm#-4576)						
3'-0"	2"	(Demo)- CI NH pipe			Demo	
1	2"	(Demo)- CI NH Combo			Demo	
3	2"	(Demo) - Husky 2000 Clpg			Demo	
1	2"	Hanger Assemblies			Demo	
		Demo Labor				2.0
D Level-4 #28 Delete (SK-5) (Rm#-4603) - not installed in						
-4	3/4"	Hanger Assemblies **	\$ 20.00	\$ (80.00)	1.25	-5.0
		No Demo Required This Room				
		Credit				
-1	(SK-5)	(Credit) Amr St 09055.000/0059.020	\$ 129.00	\$ (129.00)		-3.3
-1	Fct	(Credit) Kohler-K-7515cp faucet	\$ 682.50	\$ (682.50)		
-1	Strainer	(Credit) Z-8743 1 1/4" grid strainer	\$ 82.50	\$ (82.50)		
-1	P-trap	(Credit) Z-Z-8702-9/c 1 1/4x1 1/2"	\$ 45.00	\$ (45.00)		
-1	Stops	(Credit) Kyscr 1Bxc Supply Kit	\$ 13.60	\$ (13.60)		
-1	Eschlon	(Credit) 1 1/2" cp deep eschlon	\$ 2.10	\$ (2.10)		
1	4"-diam	Patch-Hole per (Act-14-829.1)	\$ 51.25	\$ 51.25		4.0
8	1/2"	Patch-Hilti wedge Anchor	\$ 11.45	\$ 91.60		2.0
D Level-3 #28 Delete (SK-5) (Rm#4603) credit						
-4	2"	R, CI NH pipe	\$ 10.78	\$ (43.12)	0.12	-0.6
-1	4"	R, CI NH Pipe	\$ 19.31	\$ 87.83	0.2	-0.2
-2	4"	Husky 2000 Clpg	\$ 22.10	\$ (44.20)	0.04	-0.1
-1	2"	Husky 2000 Clpg	\$ 16.55	\$ (16.55)	0.03	-0.03
		No Demo Required This Room				
E Level-4 #28 Delete (SK-8) (H-4622) where is this Rm?						
1	JR Smith	(Demo)-#0700 Lav carrier			Demo	
10'-0"	2"	(Demo)-CI NH pipe			Demo	
1	2"	(Demo)-CI NH Tee			Demo	
2	2"	(Demo)-CI NH 1/4 Bend			Demo	
1	2"x1 1/2"	(Demo) - CI NH Tapped Tee			Demo	
1	1 1/2"x6"	(Demo) - Blk Nipple/cap			Demo	
1	2"	(Demo) - CI riser clamp (Short ear)			Demo	
8	2"	(Demo) - Husky 2000 Clpg			Demo	
		Demo Labor				8.0
1	4"-diam	Patch-Hole per (Act-14-829.1) inspt	\$ 51.25	\$ 51.25		4.0
8	1/2"	Patch-Hilti wedge anchor/inspection	\$ 11.45	\$ 91.60		2.0

10 hrs to demo work

LVL 4 rough in credit?

Attachment A(1)

(Plumbing Materials/Labor Breakdown)

FWS # 0907-227Brl

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
"E" Level-3 #28 Delete (SK-5) (H-4822)						
20'-0"	2"	(Demo) - CI NH Pipe			Demo	
3	2"	(Demo) - CI NH 1/4 Bend			Demo	
10	2"	(Demo) - Husky 2000 Clpg			Demo	
3	2"	Hanger Assemblies			Demo	
3	1/2"	(Demo) - Long/Seismic Kits/Inspection			Demo	
		Demo Labor				4.0
"F" Level-4 #28 Delete (SK-5) (Rm#4601A) <i>not required in</i>						
-1	JR Smith	#0700D lav carrier	\$ 651.00	\$ (651.00)	2.25	-2.3
-1	2x2x11/2	CI NH Double Tapped Tee	\$ 23.90	\$ (23.90)	0.91	-0.9
-1	11/2x6"	Blk Nipple	\$ 10.09	\$ (10.09)	0.25	-0.3
-1	11/2x6"	cap	\$ 37.45	\$ (37.45)	0.87	-0.9
		No Demo Required this Room				
		Credit				
-1	(SK-5)	(Credit) Amr Std 0855.000/0059.020				-3.3
-1	Fct	(Credit) Kohler - K-7515cp faucet				
-1	Strainer	(Credit) Z-8743 1 1/4" Grid Strainer				
-1	P-Trap	(Credit) Z-8702-9lc 1 1/4 x 1 1/2/esch				
-1	Stop	(Credit) Kyscr 18xc Supply kit				
"G" Level-4 #28 Delete (SK-5) (Rm#4601)						
-1	JR Smith	#0700D lav carrier	\$ 651.00	\$ (651.00)	2.25	-2.3
-1	2x2x11/2	CI NH Double Tapped Tee	\$ 23.90	\$ (23.90)	0.91	-0.9
-1	11/2x6"	Blk Nipple	\$ 10.09	\$ (10.09)	0.25	-0.3
-1	11/2x6"	cap	\$ 37.45	\$ (37.45)	0.87	-0.9
		No Demo Required this Room				
"H" Level-4 #28 Delete (SK-5) (Rm#4608)						
-1	JR Smith	#0700 Lav carrier	\$ 651.00	\$ (651.00)	2.25	-2.3
-1	1/2"	Drill/Wedgs Anchor/Tork test/inspt	\$ 18.00	\$ (18.00)	2.25	-2.3
-10	2"	ft. CI NH pipe	\$ 10.78	\$ (107.80)	0.12	-1.2
-1	2"x11/2"	CI NH Tapped Tee	\$ 23.90	\$ (23.90)	0.91	-0.9
-2	2"	CI NH 1/4 Bend	\$ 15.90	\$ (31.80)	0.39	-0.8
-1	2"	CI NH Tee	\$ 20.30	\$ (20.30)	0.58	-0.6
-1	2"	CI riser clamp (short ear)	\$ 4.02	\$ (4.02)	0.27	-0.3
-8	2"	Husky 2000 clpg	\$ 16.55	\$ (132.40)	0.03	-0.2
-2	2"	Hanger Assemblies **	\$ 23.00	\$ (46.00)	1.25	-2.5
		No Demo Required this Room				
		Credit				
-1	(SK-5)	(Credit) Amr Std 0855.000/0059.020				-3.3
-1	Fct	(Credit) Kohler K-7515cp faucet				
-1	Strainer	(Credit) Z-8743 1 1/4" Grid Strainer				
-1	P-trap	(Credit) Z-8702-9lc 1 1/4x1 1/2/eschn				
-1	Stop	(Credit) Kyscr-18xc Supply Kit				
1	4"-diam	Patch-Hole per (ACT-14-929.1)	\$ 51.25	\$ 51.25		4.0
"H" Level-3 #28 Delete (SK-5) (Rm#4608)						
-6	2"	CI NH pipe	\$ 10.78	\$ (63.90)	0.12	-0.6
-1	2"	CI NH combo	\$ 23.10	\$ (23.10)	0.57	-0.6
-4	2"	Husky 2000 clpg	\$ 16.55	\$ (66.20)	0.03	-0.1
-1	2"	Hanger Assemblies **	\$ 23.00	\$ (23.00)	1.25	-1.3
		No Demo Required this Room				

LVL 3 require credit?

LVL 3 require credit

is not

Attachment A(1)

(Plumbing Materials/Labor Breakdown)

FWS # 0907-227Br1

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
"I" Level-4 #28 Delete (SK-8) (H-4418)						
10'-0	2"	(Demo)- CI NH pipe			Demo	
1	2"x1 1/2"	(Demo)- CI NH Tapped Tee			Demo	
1	1 1/2"x6"	(Demo)- CI Blknipple/cap			Demo	
1	2"	(Demo)- CI riser clamp (short ear)			Demo	
2	2"	(Demo)- CI NH 1/4 Bend			Demo	
1	2"	Hanger Assemblies				
		Demo Labor				2.0
1	4"-diam	Patch-Hole per (Act-I4-829.1)	\$ 51.25	\$ 51.25		4.0
"I" Level-3 #28 Delete (SK-8) (H-4418)						
5'-0	2"	(Demo)- CI NH pipe			Demo	
1	4"x2"	(Demo)- CI NH Combo			Demo	
1	2"	(Demo)- CI NH 1/8 Bend			Demo	
2	4"	(Demo)- Husky 2000 Clpg			Demo	
3	2"	(Demo)- Husky 2000 Clpg			Demo	
		Demo Labor				4.0
"J" Level-4 #28 Delete (LV-2) (H-4418A) <i>3K-00m</i>						
10'-0	2"	(Demo) - CI NH pipe			Demo	
1	2"x1 1/2"	(Demo) - CI NH Tapped Tee			Demo	
2	2"	(Demo) - CI NH 1/4 Bend			Demo	
1	2"	(Demo) - CI riser clamp (short ear)			Demo	
8	2"	(Demo) - Husky 2000 clpg			Demo	
1	2"	Hanger Assemblies			Demo	
		Demo Labor				4.0
1	4"-diam	Patch-Hole per (Act-I40494.1)+inspc	\$ 51.25	\$ 51.25		4.0
"J" Level-3 #28 Delete (LV-2) (H-4418A)						
4'-0	2"	(Demo) - CI NH pipe			Demo	
1	4"x2"	(Demo) - CI NH Combo			Demo	
2	4"	(Demo) - Husky 2000 clpg			Demo	
1	2"	(Demo) - CI NH 1/8 Bend			Demo	
2'-0	4"	(Demo) - CI NH pipe			Demo	
1	2"	Hanger Assemblies			Demo	
1	Jr Smith	(Demo) - #0700 Lav carrier			Demo	
8	1/2"	(Demo) - Hilti wedge anchor/+inspt			Demo	
		Demo Labor				4.0
"K" Level-4 #28 Delete (WC-1) (H-4418A)						
1	Jr Smith	(Demo) Horz. RH #WC carrier			Demo	
3	1/2"	(Demo) Hilti Wedge anchors/inspt			Demo	
4'-0	4"	(Demo) -CI NH pipe			Demo	
1	4"	(Demo) -CI NH 1/8 Bend			Demo	
1	4"	(Demo) -CI NH Tee			Demo	
1	4"	(Demo) -CI NH Blind Plug			Demo	
6	4"	(Demo) -Husky 2000 Clpg			Demo	
1	4"	(Demo) -CI Riser clamp (short ear)			Demo	
10'-0	2"	(Demo) -CI NH pipe			Demo	
2	2"	(Demo) -CI NH Tee			Demo	
2	2"	(Demo) -CI NH 1/4 Bend			Demo	
8	2"	(Demo) -Husky 2000 Clpg			Demo	

Postpartum

Attachment A(1)
(Plumbing Materials/Labor Breakdown)

FWS # 0907-227Br1

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
2	2"	Hanger Assemblies Demo Labor		Demo		8.0
1	6"-diam	Patch-Hole per (Act-140494.1)+inspc				6.0
"K" Level-3 #28 Delete (WC-1) (H-4418A)						
5'-0	4"	(Demo) - CI NH pipe		Demo		
1	4"x2"	(Demo) - CI NH Combo		Demo		
1	4"	(Demo) - CI NH MS 1/4 Bend		Demo		
4	4"	(Demo) - Husky 2000 Clpg		Demo		
1	4"	Hanger Assemblies Demo Labor		Demo		2.0
"L" Level-4 #28 Delete (SH-2) (H-4418A)						
15'-0	2"	(Demo) - CI NH pipe		Demo		
2	2"	(Demo) - CI NH Tee		Demo		
2	2"	(Demo) - CI NH 1/4 Bend		Demo		
10	2"	(Demo) - Husky 2000 clpg		Demo		
1	2"	(Demo) - CI riser clamp		Demo		
2	2"	Hanger Assemblies Demo Labor		Demo		2.0
1	6"-diam	Patch-Hole per (ACT-14-494.1)				8.0
1	4"-diam	Patch-Hole per (ACT-14-494.1)	\$ 51.25	\$ 51.25		4.0
"L" Level-3 #28 Delete (SH-2) (H-4418A)						
15'-0	2"	(Demo) - CI NH pipe		Demo		
1	2"	(Demo) - CI NH 1/8 Bend		Demo		
11	2"	(Demo) - Husky 2000 clpg		Demo		
1	2"	(Demo) - CI NH Tee		Demo		
1	2"	(Demo) - CI NH MS 1/4 Bend		Demo		
1	2"	(Demo) - CI NH P-trap		Demo		
1	2"	(Demo) - shower drain tail piece Demo Labor		Demo		4.0
(PW-Delete)						
"A" Level-4 Demo (Sk-5) pipe Rm (4421)						
14'-0	3/4"	Type "L" copper Tubbing		Demo		
2'-0	1/2"	Type "L" copper Tubbing		Demo		
4	3/4"	cxc 90el		Demo		
2	3/4x1/2x1	cxcxc Tee		Demo		
2	1/2"	cxc WHA-1		Demo		
2	1/2"	cxc cap		Demo		
1	1'-0	Cadium plated strap bar		Demo		
	3/4"	cxc cap		Demo		
2	3/4"	Hanger Assemblies **		Demo		
2	4"	Hanger Assemblies **		Demo		
2	3/4"x1 1/2	Cal-shield		Demo		
1		Solder 85%/paste/ actfyn/emery		Demo		
4	1/2"	cxc st 90el Demo Labor		Demo		4.0
"B" Level-4 Demo/Delete (Sk-5) Rm#(4419)						

Attachment A(1)
(Plumbing Materials/Labor Breakdown)

FWS # 0907-227Br1

Qty	Size	Description	Unit Price	QTY	Unit Price	Unit Labor	QTY
10'-0	3/4"	Type "L" copper Tubbing				Demo	
2'-0	1/2"	Type "L" copper Tubbing				Demo	
4	3/4"	cxc 90el				Demo	
4	1/2"	cxc St 90el				Demo	
2	3/4, 1/2, 1/2 cxcxc	Tee				Demo	
2	1/2"	cxc WHA-1				Demo	
2	1/2"	cxc cap				Demo	
1	1'-0	Cadium plated "Holdrite"				Demo	
3	3/4"	Felt Lined Hanger Assemblies **				Demo	
3	4"	Hanger Assemblies **				Demo	
3	7/8x1 1/2	Cal-Shield				Demo	
1		solder 95%/paste/actlyn/emery				Demo	
		Demo Labor					4.0
<hr/>							
"C" Level-4		Demo (SK-2) Rm#(4676)					
20'-0	3/4"	Type "L" copper Tubbing				Demo	
2'-0	1/2"	Type "L" copper Tubbing				Demo	
2	3/4, 1/2, 1/2 cxcxc	Tee				Demo	
2	1/2"	cxc WHA-1				Demo	
4	3/4"	cxc 90el				Demo	
4	1/2"	cxc St 90el				Demo	
1	2'-0	cadium plate "Holdrite" bar				Demo	
2	3/4"	Hanger Assemblies **				Demo	
2	4"	Hanger Assemblies **				Demo	
2	7/8x1 1/2	Cal-Shield				Demo	
1		solder 95%/Paste/actlyn/emery				Demo	
		Demo Labor					4.0
<hr/>							
"D" Level-4		Demo/Delete (SK-5) Rm#(4603)					
-40	3/4"	Type "L" copper Tubbing	\$ 5.11	\$ (204.40)	0.08		-2.4
2	1/2"	Type "L" copper Tubbing	\$ 3.18	\$ 6.36	0.06		0.1
-8	3/4"	cxc 90el	\$ 3.45	\$ (27.60)	0.63		-4.2
-4	1/2"	cxc st 90el	\$ 2.35	\$ (9.40)	0.22		-0.9
-2	1/2"	cxc WHA-1	\$ 72.00	\$ (144.00)	0.75		-1.5
-2	1/2"	cxc cap	\$ 1.12	\$ (2.24)	0.22		-0.4
-1	2'-0	cadium plated "Holdrite" strap	\$ 3.51	\$ (3.51)	0.25		-0.3
-5	3/4"	Felted Hanger Assemblies **	\$ 20.00	\$ (100.00)	1.25		-6.3
-5	4"	Hanger Assemblies **	\$ 29.00	\$ (145.00)	1.37		-6.9
-5	7/8x1 1/2	Cal-Shield	\$ 7.41	\$ (37.05)	0.27		-1.4
-1		solder 95	\$ 30.00	\$ (30.00)	1.5		-1.5
-1		paste	\$ 28.17	\$ (28.17)	1.5		-1.5
-1		actlyn	\$ 30.93	\$ (30.93)	1.5		-1.5
-1		emery	\$ 12.00	\$ (12.00)	1.5		-1.5
		No Demo Required this Room					
<hr/>							
"E" Level-4		Demo (SK-6) Rm#(4622)					
14'-0	3/4"	Type "L" copper Tubbing				Demo	
2'-0	1/2"	Type "L" copper Tubbing				Demo	
2	3/4, 1/2, 1/2 cxcxc	Tee				Demo	
2	3/4"	cxc 90el				Demo	
4	1/2"	cxc st 90el				Demo	
2	1/2"	cxc WHA-1				Demo	
2	1/2"	cxc cap				Demo	
2	3/4"	Felted Hanger Assemblies **				Demo	

Attachment A(1)

(Plumbing Materials/Labor Breakdown)

FWS # 0907-227Br1

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
2	4"	Hanger Assemblies **			Demo	
2	7/8x 1 1/2	Cal-Shield			Demo	
1	2'-0	cadium plate "Holdrite" bar			Demo	
1		solder 95/5/paste/actlyn/emery			Demo	
		Demo Labor				4.0
"F" Level-4						
Demo (SK-5) (4601A) New (LV-2)						
-2	3/4"	Type "L" copper Tubbing	\$ 5.11	\$ (10.22)	0.06	-0.1
-1	1/2"	Type "L" copper Tubbing	\$ 3.18	\$ (3.18)	0.06	-0.1
-2	3/4x1/2x1/2	cxcxc Tee	\$ 7.47	\$ (14.94)	0.61	-1.2
-4	1/2"	cxc st 90el	\$ 2.36	\$ (9.40)	0.22	-0.9
-2	1/2"	cxc WHA-1	\$ 72.00	\$ (144.00)	0.75	-1.5
-1		solder 95	\$ 30.00	\$ (30.00)	1.5	-1.5
-1		paste	\$ 28.17	\$ (28.17)	1.5	-1.5
-1		actlyn	\$ 30.93	\$ (30.93)	1.5	-1.5
-1		emery	\$ 12.00	\$ (12.00)	1.5	-1.5
<u>No Demo Required this Room</u>						
"G" Level-4						
Demo (SK-5) Rm#(4601C)						
-2	3/4"	Type "L" copper Tubbing	\$ 5.11	\$ (10.22)	0.06	-0.1
-1	1/2"	Type "L" copper Tubbing	\$ 3.18	\$ (3.18)	0.06	-0.1
-2	3/4x1/2x1/2	cxcxc Tee	\$ 7.47	\$ (14.94)	0.61	-1.2
-4	1/2"	cxc st 90el	\$ 2.36	\$ (9.40)	0.22	-0.9
-2	1/2"	cxc cap	\$ 1.12	\$ (2.24)	0.22	-0.4
-2	1/2"	cxc WHA-1	\$ 72.00	\$ (144.00)	0.75	-1.5
-1	2'-0	cadium plated "Holdrite" strap	\$ 3.51	\$ (3.51)	0.25	-0.3
-1		solder 95	\$ 30.00	\$ (30.00)	1.5	-1.5
-1		paste	\$ 28.17	\$ (28.17)	1.5	-1.5
-1		actlyn	\$ 30.93	\$ (30.93)	1.5	-1.5
-1		emery	\$ 12.00	\$ (12.00)	1.5	-1.5
<u>No Demo Required this Room</u>						
<u>Credit Install Labor Only</u>						
"H" Level-4						
Demo (SK-5) (4606) New (LV-2)						
-2	3/4"	Type "L" copper Tubbing	\$ 5.11	\$ (10.22)	0.06	-0.1
-1	1/2"	Type "L" copper Tubbing	\$ 3.18	\$ (3.18)	0.06	-0.1
-2	3/4x1/2x1/2	cxcxc Tee	\$ 7.47	\$ (14.94)	0.61	-1.2
-2	1/2"	cxc st 90el	\$ 2.35	\$ (4.70)	0.22	-0.4
-2	1/2"	cxc cap	\$ 1.12	\$ (2.24)	0.22	-0.4
-2	1/2"	cxc WHA-1	\$ 72.00	\$ (144.00)	0.75	-1.5
-1	2'-0	cadium plated "Holdrite" strap	\$ 3.51	\$ (3.51)	0.25	-0.3
-1		solder 95	\$ 30.00	\$ (30.00)	1.5	-1.5
-1		paste	\$ 28.17	\$ (28.17)	1.5	-1.5
-1		actlyn	\$ 30.93	\$ (30.93)	1.5	-1.5
-1		emery	\$ 12.00	\$ (12.00)	1.5	-1.5
<u>No Demo Required this Room</u>						
"I" Level-4						
Demo (SK-5) Rm#(H-4418)						
0'-0	3/4"	Type "L" copper Tubbing			Demo	
0'-0	1/2"	Type "L" copper Tubbing			Demo	
6	3/4"	cxc 90el			Demo	
4	1/2"	cxc st 90el			Demo	
2	1/2"	cxc WHA-1			Demo	
2	1/2"	cxc cap			Demo	

Attachment A(1)
(Plumbing Materials/Labor Breakdown)

FWS # 0907-227Br1

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
1	2'-0	cadium plate "Holdrite" Bar		Demo		
4	3/4"	Felted Hanger Assemblies **		Demo		
4	4"	Hanger Assemblies **		Demo		
4	7/8x11/2	Cal-Shield		Demo		
		solder 95/5/paste/actlyr/emery		Demo		
		Demo Labor				4.0
"J" Level-4 Demo (LV-2) Rm#(H-4418A)						
200	3/4"	Type "L" copper Tubbing		Demo		
2'-0	1/2"	Type "L" copper Tubbing		Demo		
2	3/4, 1/2, 1/2	cxcxc Tee		Demo		
2	3/4"	cxc 90el		Demo		
4	1/2"	cxc st 90el		Demo		
2	1/2"	cxc WHA-1		Demo		
2	1/2"	cxc cap		Demo		
1	2'-0	cadium plate "Holdrite" Bar		Demo		
2	3/4"	Felted Hanger Assemblies **		Demo		
2	4"	Hanger Assemblies **		Demo		
2	7/8x11/2	Cal-Shield		Demo		
1		solder 95/5/paste/actlyr/emery		Demo		
		Demo Labor				4.0
"K" Level-4 Demo (WC-1) Rm#(H4418A)						
3'-0	1 1/4"	Type "L" copper Tubbing		Demo		
2'-0	1"	Type "L" copper Tubbing		Demo		
1	1 1/4 x1x1	cxcxc Tee		Demo		
2	1"	cxc WHA-1		Demo		
1	2'-0	cadium plate "Holdrite" Bar		Demo		
1	1"	cxc cap		Demo		
2	1"	cxc 90el		Demo		
1		solder 95/5/paste/actlyr/emery		Demo		
		Demo Labor				4.0
"L" Level-4 Demo (SH-2) Rm#(H-4418A)						
0'-0	3/4"	Type "L" copper Tubbing		Demo		
2'-0	1/2"	Type "L" copper Tubbing		Demo		
2	3/4, 1/2, 1/2	cxcxc Tee		Demo		
4	3/4"	cxc 90el		Demo		
2	1/2"	cxc WHA-1		Demo		
1	2'-0	cadium plate "Holdrite" Bar		Demo		
2	3/4"	Felted Hanger Assemblies **		Demo		
2	4"	Hanger Assemblies **		Demo		
2	7/8x11/2	Cal-Shield		Demo		
1		solder 95/5/paste/actlyr/emery		Demo		
		Demo Labor				4.0
"I" Level-4 Demo (SK-8) New loc (H-4418)						
3'-0	3/4"	Type "L" copper Tubbing		Demo		
1'-0	1/2"	Type "L" copper Tubbing		Demo		
1	1 1/2x1 1/2x3/4	cxcxc Tee		Demo		
1	1x1x3/4"	cxcxc Tee		Demo		
2	3/4x1/2x1/2	cxcxc Tee		Demo		
4	3/4"	cxc 90el		Demo		
4	1/2"	cxc st 90el		Demo		

Attachment A(1)
(Plumbing Materials/Labor Breakdown)

FWS # 0907-227Brl

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
2	1/2"	cxc WHA-1			Demo	
2	1/2"	cxc cap			Demo	
1	2'-0	cadium plate "Holdrite" strap			Demo	
1		solder 95/5/paste/actlyn/emery			Demo	
		Demo Labor				4.0
"J" Level-4		Demo(LY-2) New loc(H-4418A)				
10'-0	3/4"	Type "L" copper Tubbing			Demo	
2'-0	1/2"	Type "L" copper Tubbing			Demo	
6	3/4"	cxc 90el			Demo	
2	3/4x1/2x1/2	cxcc Tee			Demo	
2	1/2"	cxc WHA-1			Demo	
2	1/2"	cx cap			Demo	
4	1/2"	cxc st 90el			Demo	
1	2'-0	cadium plate "Holdrite" strap			Demo	
1		solder 95/5/paste/actlyn/emery			Demo	
		Demo Labor				4.0
"K" Level-4		Demo (WC-1) new loc (H-4418A)				
8'-0	1 1/4"	Type "L" copper Tubbing			Demo	
1'-0	1"	Type "L" copper Tubbing			Demo	
1	1"	cxc WHA-1			Demo	
1	1"	cxc st 90el			Demo	
1	1"	cxc cap			Demo	
1	1 1/4"	Felted Hanger Assemblies **			Demo	
1	1 1/4x3/4x3/4	cxcc Tee			Demo	
1	1 1/2x1x1	cxcc Tee			Demo	
1	2' 0	cadium plated "Holdrite" strap			Demo	
1		solder 95/5/paste/actlyn/emery			Demo	
		Demo Labor				4.0
"L" Level-4		Demo (SH-2) new loc (H-4418A)				
0'-0	3/4"	Type "L" copper Tubbing			Demo	
2'-0	1/2"	Type "L" copper Tubbing			Demo	
4	3/4"	cxc 90 el			Demo	
2	3/4x1/2x1/2	cxcc Tee			Demo	
2	1/2"	cxc WHA-1			Demo	
1	2'-0	cadium plate "Holdrite" strap			Demo	
3	3/4"	Felted Hanger Assemblies **			Demo	
3	3/8"	Drill/wedgde anchor/T/rk test/insp			Demo	
3	4"	Hanger Assemblies **			Demo	
3	7/8x1/12	Gal shield			Demo	
1	2'-0	Shr head stepping bar			Demo	
1		solder 95/5/paste/actlyn/emery			Demo	
		Demo Labor				4.0
"A" Level-4		(Med Gas-Demo) (Demo) related piping (4421)				
2'-0	3/4"	Med-Vac - copper pipe			Demo	
2'-0	1/2"	Med-Air - copper pipe			Demo	
2'-0	1/2"	O2 - copper			Demo	
2	3/4"	Felt Lined Hanger Assemblies **			Demo	
4	1/2"	Felt Lined Hanger Assemblies **			Demo	
5	3/4"	cxc 90el			Demo	
10	1/2"	cxc 90el			Demo	
1		full time purge/ Doer rental			Demo	
		Demo Labor				4.0

Attachment A(1)
(Plumbing Materials/Labor Breakdown)

FWS # 0907-227Br1

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
"B" Level-4 (Demo) related piping (4418)						
15	3/4"	Med-vac - copper pipe			Demo	
15	1/2"	Med-Air - copper pipe			Demo	
15	1/2"	O2 - copper pipe			Demo	
5	3/4"	cxc 90el			Demo	
10	1/2"	cxc 90el			Demo	
1	3/4"	cxcxc Tee			Demo	
2	1/2"	cxcxc Tee			Demo	
4	3/4"	Felt Lined Hanger Assemblies **			Demo	
8	1/2"	Felt Lined Hanger Assemblies **			Demo	
1		Full time purge/ Door rental			Demo	
		Demo Labor				-4.0
"H" Level-4 (Demo) related piping (4606)						
-8	3/4"	Type "L" (capped/clean) MG pipe	\$ 5.63	\$ (33.78)	0.06	-0.4
-6	1/2"	Type "L" (capped/clean) MG pipe	\$ 3.27	\$ (19.62)	0.06	-0.4
-6	1/2"	O2 - copper pipe	\$ 3.27	\$ (19.62)	0.06	-0.4
-1	3/4"	cxcxc Tee	\$ 6.33	\$ (6.33)	0.77	-0.8
-2	1/2"	cxcxc Tee	\$ 2.62	\$ (5.24)	0.57	-1.1
-3	3/4"	cxc 90el	\$ 3.45	\$ (10.35)	0.53	-1.6
-6	1/2"	cxc 90el	\$ 1.54	\$ (9.24)	0.4	-2.4
-1	3/4"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ (20.00)	1.25	-1.3
-2	1/2"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ (40.00)	1.25	-2.5
-1		Full time purge/door rental **	\$ 95.00	\$ (95.00)		
		No Demo Required this Room				
"G" Level-4 (Demo) related piping (4601c)						
-8	3/4"	Type "L" (capped/clean) MG pipe	\$ 5.63	\$ (33.78)	0.06	-0.4
-8	1/2"	Type "L" (capped/clean) MG pipe	\$ 3.27	\$ (19.82)	0.06	-0.4
-6	1/2"	O2 - copper pipe	\$ 3.27	\$ (19.62)	0.06	-0.4
-1	3/4"	cxcxc Tee	\$ 6.33	\$ (6.33)	0.77	-0.8
-2	1/2"	cxcxc Tee	\$ 2.62	\$ (5.24)	0.67	-1.1
-4	3/4"	cxc 90el	\$ 3.46	\$ (13.80)	0.53	-2.1
-9	1/2"	cxc 90el	\$ 1.54	\$ (12.32)	0.4	-3.2
-1	3/4"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ (20.00)	1.25	-1.3
-2	1/2"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ (40.00)	1.25	-2.5
-1		Full time purge/ Door rental **	\$ 95.00	\$ (95.00)		
		No Demo Required this Room				
Level-4 Demo (MGV-2)4-4 Box Location						
200	1"	Med-Vac - copper pipe			Demo	
200	3/4"	Med-Air - copper pipe			Demo	
200	3/4"	O2 - copper pipe			Demo	
8	1"	cxc 90el			Demo	
16	3/4"	cxc 90el			Demo	
5	1"	Felt Lined Hanger Assemblies **			Demo	
10	3/4"	Felt Lined Hanger Assemblies **			Demo	
1		Full time purge / Door rental			Demo	
1		Revise Box Location/ New layout			Demo	
		Demo Labor				4.0
Level-4 Demo (MGV-2)4-8 Box location						
15	1"	Med-Vac - copper pipe			Demo	
15	3/4"	Med-Air - copper pipe			Demo	
15	3/4"	O2 - copper pipe			Demo	

Attachment A(1)
(Plumbing Materials/Labor Breakdown)

FWS # 0607-227Br1

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
6	1"	cxc 90el			Demo	
12	3/4"	cxc 90el			Demo	
1	1"	Felt Lined Hanger Assemblies **			Demo	
	3/4"	Felt Lined Hanger Assemblies **			Demo	
		full time purge / Door rental			Demo	
		Revise Box location New layout			Demo	
		Demo Labor				4.0
(MP Demo)						
<u>(Demo) S/CR (H-4-B) Item#22</u>						
8'-0	1"	(Demo) Blk sch 40 pipe			Demo	
8'-0	3/4"	(Demo) Blk sch 80 pipe			Demo	
2	1"	(Demo) Blk socket Weld 90el			Demo	
2	3/4"	(Demo) Blk socket Weld 90el			Demo	
4	4"	(Demo) roller Hgr/8' 3/8el/nut/was			Demo	
1	1"	Weld- Socket Blk cap			Demo	
1	3/4"	Weld- Socket Blk cap			Demo	
		Demo Labor				2.0
<u>(Demo) S/CR (H-4-4) Item#22</u>						
21'-0	1"	(Demo) Blk sch 40 pipe			Demo	
21'-0	3/4"	(Demo) Blk sch 80 pipe			Demo	
2	1"	(Demo) Blk socket weld 90el			Demo	
2	3/4"	(Demo) Blk socket weld 90el			Demo	
12	4"	(Demo) roller Hgr/8' 3/8el/nut/wash			Demo	
1	1"	Weld-Blk Socket cap			Demo	
1	3/4"	Weld-Blk Socket cap			Demo	
		Demo Labor				2.0
(MP-Delete) Item#22						
<u>(Demo) CAV-S4-25 Unit</u>						
40'-0	3/4"	3/4" - Type "L" copper tubing			Demo	
8	3/4"	3/4" - cxc 90 el			Demo	
8	2"	Hanger Assemblies **			Demo	
8	3/4x1 1/2	Cal-Shield Blocks			Demo	
		any already installed insulation			Demo	
		Demo Labor				2.0
<u>(Demo) VAV-S4-26 unit Item#22</u>						
10'-0	3/4"	Type "L" copper Tubbing			Demo	
4	3/4"	cxc 90el			Demo	
5	2"	Hanger Assemblies **			Demo	
5	3/4x1 1/2	Cal-shield blocks			Demo	
		Any already installed insulation			Demo	
		Demo Labor				2.0
<u>(Demo) CAV-S4-27 unit item#22</u>						
10'-0	3/4"	Type "L" copper tubing			Demo	
8	3/4"	cxc 90el			Demo	
8	2"	Hanger Assemblies **			Demo	
8	3/4x1 1/2	Cal-shield blocks			Demo	
		any already installed insulation			Demo	
		Demo Labor				2.0
<u>(Demo) Cav-S4-80 Item#22</u>						
16'-0	3/4"	type "L" copper tubing			Demo	

Attachment A(1)

(Plumbing Materials/Labor Breakdown)

FWS # 0907-2278r1

Qty	Size	Description	Unit Price	Total Price	Unit Hours	Total Labor
4	3/4"	cxc 90el		Demo		
4	2"	Hanger Assemblies **		Demo		
4	3/4x1/2	Cal-shield blocks		Demo		
		any already installed insulation		Demo		
		Demo Labor				2.0
(Demo) C-4802A corridor pipind						
20'-0	3/4"	type "L" copper		Demo		
4	3/4"	cxc 90el		Demo		
4	2"	Hanger Assemblies **		Demo		
		any already installed insulation		Demo		
		Demo Labor				2.0

(DWV-NEW INSTALLATIONS)

"A" Level-4 #33 Install(SK-5)New Rm# (H-4610)

1	JR Smith	#0700 Lav. Carrier	\$ 651.00	\$ 651.00	2.25	2.3
8	1/2"	Drill/Wedge Anchor/Tork test/Inspt	\$ 18.00	\$ 144.00	2.25	18.0
1	2 x1-1/2"	CI NH Tapped Tee	\$ 23.90	\$ 23.90	0.91	0.9
2	2"	Husky 2000 Cipp	\$ 16.55	\$ 33.10	0.03	0.1
1	1 1/2"	DWV - MS 1/4 Bend	\$ 37.74	\$ 37.74	0.42	0.4
1	1 1/2"	DWV Test cap	\$ 2.65	\$ 2.65	0.34	0.3
1	1'-0	Cadium plated strap bar/screws	\$ 2.88	\$ 2.88	0.25	0.3
1	2"	CI NH Test Tee	\$ 19.80	\$ 19.80	0.42	0.4
1	2"	Brass Plug	\$ 23.88	\$ 23.88	0.5	0.5
		Test / inspect- relocate lav. Waste				2.0

"B" Level-4 DEMO ONLY

"C" Level-4 #33 Install (SK-2)New Rm#(H-4602)

1	4"-diam	Scan / x-ray New Hole/Inspection	\$ 110.00	\$ 110.00	2	2.0
1	4"-diam	Chip new hole			1.25	1.3
1	2" X1-1/2"	CI NH Tapped Tee	\$ 23.90	\$ 23.90	0.91	0.9
1	2"	CI NH Test Tee	\$ 19.80	\$ 19.80	0.42	0.4
1	2"	CI cleer Clamp (short ear)	\$ 4.02	\$ 4.02	0.27	0.3
10	2"	ft, CI NH Pipe	\$ 10.75	\$ 107.50	0.12	1.2
2	2"	CI NH 1/4 bend	\$ 15.90	\$ 31.80	0.39	0.8
1	2"	CI NH Tee	\$ 20.30	\$ 20.30	0.55	0.6
12	2"	Husky 2000 Cipp	\$ 16.55	\$ 198.60	0.03	0.4
1	2"	Brass Plug	\$ 23.88	\$ 23.88	0.5	0.5
1	1'-0	Cadium Plated strap bar/screws	\$ 2.88	\$ 2.88	0.25	0.3
2	2"	Hanger Assemblies **	\$ 23.00	\$ 46.00	1.25	2.5
3	3/8"	Drill/Wedge Anchor/Tork test/Inspt	\$ 18.00	\$ 54.00	2.25	6.8
1		Inspection / Test- new sink waste				2.0

Level-3 #33 Install (SK-2) pipe L-3 OH

6	2"	R, CI NH pipe	\$ 10.78	\$ 64.68	0.12	0.7
2	2"	Hanger Assemblies **	\$ 23.00	\$ 46.00	1.25	2.5
2	3/8"	Drill/Wedge Anchor/Tork test/Inspt	\$ 18.00	\$ 36.00	2.25	4.5
2	2"	CI NH MS 1/4 Bend	\$ 22.10	\$ 44.20	0.42	0.8
1	2"	CI NH wye	\$ 20.30	\$ 20.30	0.55	0.6
1	2"	CI NH Blind plug	\$ 7.90	\$ 7.90	0.21	0.2

Attachment A(1)
(Plumbing Materials/Labor Breakdown)

FWS # 0807-227B1

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
7	2"	Husky 2000 Clpg	\$ 16.55	\$ 115.85	0.03	0.2
1		test / inspection New sink waste pipe				2.0
(NO SEISMIC - VERTICAL PIPE CHANGES ONLY)						
"E" Level-4		#33 Install (SK-8) New Rm(4602)				
1	4"-Diam	Scan/x-ray new hole / inspection	\$ 110.00	\$ 110.00	2	2.0
1	4"-Diam	Chip New hole			1.25	1.3
1	JR Smith	#0700 Install lav carrier	\$ 651.00	\$ 651.00	2.25	2.3
8	1/2"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 144.00	2.25	16.0
1	2x 1/2"	CI NH tapped Tee	\$ 23.90	\$ 23.90	0.91	0.9
1	2"	CI NH tapped Test Tee	\$ 27.60	\$ 27.60	1.01	1.0
1	2"	Brass Plug	\$ 23.88	\$ 23.88	0.5	0.5
1	2"	CI riser Clamp (short ear)	\$ 4.02	\$ 4.02	0.27	0.3
1	2"	CI NH Tee	\$ 20.30	\$ 20.30	0.56	0.6
2	2"	CI NH 1/4 Bend	\$ 15.90	\$ 31.80	0.39	0.8
2	2"	Hanger Assemblies **	\$ 23.00	\$ 46.00	1.25	2.5
2	3/8"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 36.00	2.25	4.5
10	2"	ft. CI NH pipe	\$ 10.78	\$ 107.80	0.12	1.2
1	2"	Husky 2000 Clpg	\$ 16.55	\$ 16.55	0.03	0.0
1	1'-0	Cadium plated strap bar	\$ 2.88	\$ 2.88	0.25	0.3
1		Test inspection waste				2.0
"E" Level-3		#33 Install (SK-8) New OH pipe				
24	2"	ft. CI NH pipe	\$ 10.78	\$ 258.72	0.12	2.9
8	2"	Hanger Assemblies **	\$ 23.00	\$ 184.00	1.25	7.5
2	1/2"	Long seismic arm kits/drill test/inspt	\$ 95.00	\$ 190.00	2.5	5.0
2	2"	CI NH MS 1/4 Bend	\$ 22.10	\$ 44.20	0.42	0.8
1	2"	CI NH 1/8 bend	\$ 13.70	\$ 13.70	0.38	0.4
1	2"	CI NH wye	\$ 20.30	\$ 20.30	0.56	0.6
1	2"	CI NH Blind Plug	\$ 7.90	\$ 7.90	0.21	0.2
9	2"	Husky 2000 Clpg	\$ 16.55	\$ 148.95	0.03	0.3
		Test / inspect new waste				2.0
"F" Level-4		#33 Install (LV-2) new Rm(4601A)				
1	(LV-2)	Amr Std 0356.421 Lav	\$ 61.50	\$ 61.50	3.3	3.3
1	Fci	Kohler K-7515cp faucet	\$ 562.50	\$ 562.50	1.2	1.2
1	Strainer	Mc G 165A 1 1/4" Grid Strainer	\$ 20.25	\$ 20.25	0.4	0.4
1	P-Trap	Zurn Z-8701-9lc-pc 1 1/4x1 1/2/each	\$ 30.00	\$ 30.00	0.3	0.3
1	Stops	BC KTSCR19xc Supply/stop kit	\$ 13.50	\$ 13.50	1.1	1.1
1	Guard	Lav-Guard "Trumbro" ADA	\$ 45.00	\$ 45.00	0.75	0.8
1	JR Smith	#0700 Install Lav carrier	\$ 651.00	\$ 651.00	2.25	2.3
8	1/2"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 144.00	2.25	16.0
1	4"-diam	Scan/x-ray/ inspection /new hole	\$ 110.00	\$ 110.00	2	2.0
1	4"-diam	Chip new hole			1.25	1.3
1	2"x 1 1/2"	CI NH tapped Tee	\$ 23.90	\$ 23.90	0.9	0.9
1	2"	CI NH test Tee	\$ 19.80	\$ 19.80	0.42	0.4
1	2"	Brass Plug	\$ 23.88	\$ 23.88	0.5	0.5
1	2"	CI riser Clamp (short ear)	\$ 4.02	\$ 4.02	0.27	0.3
20	2"	R. CI NH pipe	\$ 10.78	\$ 215.60	0.12	2.4
1	2"	CI NH Tee	\$ 20.30	\$ 20.30	0.56	0.6
3	2"	CI NH 1/4 Bend	\$ 15.90	\$ 47.70	0.39	1.2
19	2"	Husky 2000 Clpg	\$ 16.55	\$ 314.45	0.03	0.6
1	1 1/2"x6"	Blk Nipple	\$ 10.09	\$ 10.09	0.25	0.3
1	1 1/2"x6"	Cap	\$ 37.45	\$ 37.45	0.87	0.9
1	1'-0	Cadium plated strap bar	\$ 2.88	\$ 2.88	0.25	0.3
1		Test inspection new waste				2.0

Attachment A(1)

(Plumbing Materials/Labor Breakdown)

FWS # 0907-227Br1

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
"F" Level-3 #33 Install (LV-2) OH pipe						
1	2"	CI NH combo	\$ 23.10	\$ 23.10	0.57	0.6
1	2"	CI NH 1/4 Bend	\$ 15.90	\$ 15.90	0.39	0.4
2	2"	CI NH MS 1/4 Bend	\$ 22.10	\$ 44.20	0.42	0.8
12	2"	Husky 2000 Clpg	\$ 16.55	\$ 198.60	0.03	0.4
3	2"	Hanger Assemblies **	\$ 23.00	\$ 69.00	1.25	3.8
1	2"	CI NH wye	\$ 20.30	\$ 20.30	0.56	0.6
1	2"	CI NH Blind Plug	\$ 7.90	\$ 7.90	0.21	0.2
1		Test Inspection New piping				2.0
"G" Level-4 #33 Install (Sk-5) New Rm(4605)						
1	4"-diam	scan/x-ray/inspection new hole loc.	\$ 110.00	\$ 110.00	2	2.0
1	4"-diam	Chip new hole			1.25	1.3
1	JR Smith	#0700 Install Lav carrier	\$ 651.00	\$ 651.00	2.25	2.3
8	1/2"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 144.00	2.25	18.0
1	2" x 1-1/2"	CI NH Tapped Tee	\$ 23.90	\$ 23.90	0.9	0.9
1	2"	CI NH Tapped Test Tee	\$ 27.50	\$ 27.50	1.01	1.0
1	2"	Brass Plug	\$ 23.88	\$ 23.88	0.8	0.5
1	2"	CI NH Tee	\$ 20.30	\$ 20.30	0.58	0.6
3	2"	CI NH 1/4 Bend	\$ 15.90	\$ 47.70	0.39	1.2
1	2"	CI NH 1/8 Bend	\$ 13.70	\$ 13.70	0.38	0.4
13	2"	Husky 2000 Clpg	\$ 16.55	\$ 215.15	0.03	0.4
1	2"	Riser Clamp (Short ear)	\$ 4.02	\$ 4.02	0.27	0.3
1	1'-0	Cadmium plated strap bar	\$ 2.88	\$ 2.88	0.25	0.3
3	2"	Hanger Assemblies **	\$ 23.00	\$ 69.00	1.25	3.8
1		Test inspection				0.0
"G" Level-3 #33 Install (BK-5) OH pipe						
15	2"	R, CI NH pipe	\$ 10.78	\$ 161.70	0.12	1.8
1	2"	CI NH combo	\$ 23.10	\$ 23.10	0.57	0.6
1	2"	CI NH MS 1/4 Bend	\$ 22.10	\$ 22.10	0.42	0.4
4	2"	Husky 2000 Clpg	\$ 16.55	\$ 66.20	0.03	0.1
1	2"	CI NH wye	\$ 20.30	\$ 20.30	0.56	0.6
1	2"	CI NH Blind Plug	\$ 7.90	\$ 7.90	0.21	0.2
6	2"	Hanger Assemblies **	\$ 23.00	\$ 115.00	1.25	6.3
2	1/2"	Long seismic arm kite/drill test/inspt	\$ 95.00	\$ 190.00	2.6	5.0
2	1/2"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 36.00	2.25	4.5
1		Test inspection				2.0
"H" Level-4 #33 Install (LV-2) New rm(H- 4609)						
1	(LV-2)	Amr Std #0356.421 Lav	\$ 61.60	\$ 61.60	3.3	3.3
1	Fct	Kohler K-7515 Fct	\$ 582.50	\$ 582.50	1.2	1.2
1	Strainer	McG 155A 11/4" grid Strainer	\$ 20.25	\$ 20.25	0.4	0.4
1	P-Trap	Zurn Z-8701-8lc-pc 11/4x11/2/tesch	\$ 30.00	\$ 30.00	0.3	0.3
1	Stop	BC KTSCR19xc Supply/Stop Kit	\$ 13.50	\$ 13.50	1.1	1.1
1	1 1/2 x 5"	Blk Nipple	\$ 10.09	\$ 10.09	0.26	0.3
1	1 1/2 x 8"	Blk Cap	\$ 37.45	\$ 37.45	0.87	0.9
1	JR Smith	#0700 Lav carrier	\$ 651.00	\$ 651.00	2.25	2.3
8	1/2"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 144.00	2.25	18.0
"I" Level-4 #33 Install (SK-5)H-4418 New bad loc						
1	4"-diam	scan/ x-ray / inspection New Hole	\$ 110.00	\$ 110.00	2	2.0
1	4"-diam	Chip new hole location			1.25	1.3

Attachment A(1)
(Plumbing Materials/Labor Breakdown)

FWS # 0907-227Brl

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
1	2"	CI NH combo	\$ 23.10	\$ 23.10	0.57	0.8
10	2"	R, CI NH pipe	\$ 10.78	\$ 107.80	0.12	1.2
1	2"	CI NH Tapped Tee	\$ 27.50	\$ 27.50	1.01	1.0
1	2"	CI NH Tapped Test Tee	\$ 27.50	\$ 27.50	1.01	1.0
1	2"	Brass Plug	\$ 23.88	\$ 23.88	0.5	0.5
2	2"	CI NH 1/4 Bend	\$ 15.90	\$ 31.80	0.39	0.8
1	2"	CI NH Tee	\$ 20.30	\$ 20.30	0.56	0.6
1	2"	CI -Riser clamp (short ear)	\$ 4.02	\$ 4.02	0.27	0.3
1	1 1/2"	Blk Nipple/cap	\$ 10.09	\$ 10.09	0.25	0.3
1	1 1/2"	Cap	\$ 37.45	\$ 37.45	0.87	0.9
1	1'-0	cadmium plated strap bar	\$ 2.88	\$ 2.88	0.26	0.3
		Test/inspection				2.0
"J" Level-3 #33 install (Sk-B) new OH pipe						
1	2"	CI NH Combo	\$ 23.10	\$ 23.10	0.57	0.8
3	2"	ft, CI NH pipe	\$ 10.78	\$ 32.34	0.12	0.4
1	2"	CI NH wye	\$ 20.30	\$ 20.30	0.56	0.8
1	2"	CI NH Blind Plug	\$ 7.90	\$ 7.90	0.21	0.2
1		Test / inspection				2.0
"J" Level-3 #33 install (LV-2) New (H-4418A) loc						
1	4"-Diam	scan/x-ray/ inspection	\$ 110.00	\$ 110.00	2	2.0
1	4"-Diam	Chp new hole			1.25	1.3
1	JR Smith	#0700 Install Lav carrier	\$ 651.00	\$ 651.00	2.25	2.3
8	1/2"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 144.00	2.25	18.0
10	2"	ft, CI NH pipe	\$ 10.78	\$ 107.80	0.12	1.2
1	2"x1-1/2"	CI NH Tapped Tee	\$ 23.90	\$ 23.90	0.9	0.9
1	2"	CI NH Test Tee	\$ 20.30	\$ 20.30	0.56	0.8
1	2"	Brass Plug	\$ 23.88	\$ 23.88	0.5	0.5
2	2"	CI NH 1/4 Bend	\$ 15.90	\$ 31.80	0.39	0.8
1	2"	CI NH Tee	\$ 20.30	\$ 20.30	0.56	0.6
11	2"	Husky 2000 Clpg	\$ 16.56	\$ 182.05	0.03	0.3
1	1 1/2"x6"	Blk Nipple/cap	\$ 10.09	\$ 10.09	0.25	0.3
1	1 1/2"x6"	cap	\$ 37.45	\$ 37.45	0.87	0.9
2	2"	Hanger Assemblies **	\$ 23.00	\$ 46.00	1.25	2.5
2	3/8"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 36.00	2.25	4.5
		Test / inspection				2.0
"J" Level-3 #33 install (LV-2) (H-4418A) OH pipe						
1	4"x2"	CI NH combo	\$ 37.70	\$ 37.70	0.83	0.9
1	2"	CI NH 1/8 Bend	\$ 13.70	\$ 13.70	0.38	0.4
5	2"	ft, CI NH pipe	\$ 10.78	\$ 53.90	0.12	0.6
1	4"	CI NH wye	\$ 47.20	\$ 47.20	1.12	1.1
1	4"	CI NH blind plug	\$ 18.10	\$ 18.10	0.36	0.4
5	4"	Husky 2000 Clpg	\$ 22.10	\$ 110.50	0.04	0.2
2	2"	Husky 2000 Clpg	\$ 16.55	\$ 33.10	0.03	0.1
		Test / inspection				2.0
"K" Level-4 #33 install (WC-1) new (H-4418A)						
1	6"-diam	Scan/x-ray hole/inspection	\$ 110.00	\$ 110.00	2	2.0
1	6"-diam	Chp new hole			1.25	1.3
1	JR Smith	#0210 Horz RH WC	\$1,043.00	\$ 1,043.00	3.8	3.8
3	1/2"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 54.00	2.25	6.8
1	4"	CI NH Tee	\$ 61.10	\$ 61.10	1.11	1.1
1	4"	CI NH Blind Plug	\$ 18.10	\$ 18.10	0.38	0.4
1	4"	CI NH 1/8 Bend	\$ 13.70	\$ 13.70	0.38	0.4
6	4"	Husky 2000 Clpg	\$ 22.10	\$ 132.60	0.04	0.2

Attachment A(1)

(Plumbing Materials/Labor Breakdown)

FWS # 0807-227Br1

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
1	4"	CI riser clamp	\$ 6.18	\$ 6.18	0.3	0.3
3	4"	ft, CI NH Pipe	\$ 19.31	\$ 57.93	0.2	0.6
10	2"	ft, CI NH Pipe	\$ 10.78	\$ 107.80	0.12	1.2
1	2"	CI NH Tee	\$ 20.30	\$ 20.30	0.56	0.6
2	2"	CI NH 1/4 Bend	\$ 15.90	\$ 31.80	0.39	0.8
5	2"	Husky 2000 Clpg	\$ 16.55	\$ 82.75	0.03	0.2
		Test / inspect				2.0
"K" Level-3 #33 install (WC-1) OH pipe						
10	4"	ft, CI NH pipe	\$ 19.31	\$ 57.93	0.2	2.0
1	4"	CI NH Combo	\$ 70.20	\$ 70.20	1.19	1.2
2	4"	CI NH MS 1/4 Bend	\$ 51.20	\$ 102.40	0.8	1.6
7	4"	Husky 2000 Clpg	\$ 22.10	\$ 154.70	0.04	0.3
1	4"x2"	CI NH Reducer	\$ 17.30	\$ 17.30	0.54	0.5
3	4"	Hanger Assemblies **	\$ 23.00	\$ 69.00	1.25	3.8
3	5/8"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 54.00	2.25	6.8
1	4"	CI NH wye	\$ 47.20	\$ 47.20	1.12	1.1
1	4"	CI NH Blind Plug	\$ 18.10	\$ 18.10	0.38	0.4
3	1/2"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 54.00	2.25	6.8
3	1/2"	Long seismic arm kits/drill test/inspt	\$ 95.00	\$ 285.00	2.5	7.5
		Test / inspect				2.0
"L" Level-4 #33 install (SH-2) new (4418A)loc						
1	5"-Diam	Scan/ x-ray/ inspection	\$ 110.00	\$ 110.00	2	2.0
1	5"-Diam	Chip New Drain location (SH-2)			1.25	1.3
10	2"	ft, CI NH pipe	\$ 10.78	\$ 107.80	0.12	1.2
2	2"	CI NH 1/4 Bend	\$ 15.90	\$ 31.80	0.39	0.8
1	2"	CI NH Tee	\$ 20.30	\$ 20.30	0.56	0.6
4	2"	Hanger Assemblies **	\$ 23.00	\$ 92.00	1.25	5.0
2	1/2"	Long seismic arm kits/drill test/inspt	\$ 95.00	\$ 190.00	2.5	5.0
2	1/2"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 36.00	2.25	4.5
6	2"	Husky 2000 clpg	\$ 16.55	\$ 82.75	0.03	0.2
		Test / inspect				2.0
Level-3 #33 install (SH-2) OH pipe						
15	2"	ft, CI NH pipe	\$ 10.78	\$ 161.70	0.12	1.8
1	2"	CI NH P-trap	\$ 23.10	\$ 23.10	0.42	0.4
1	2"	CI NH combo	\$ 23.10	\$ 23.10	0.57	0.6
1	2"	CI NH MS1/4 Bend	\$ 22.10	\$ 22.10	0.42	0.4
1	2"	CI NH 1/8 Bend	\$ 13.70	\$ 13.70	0.38	0.4
10	2"	Husky 2000 Clpg	\$ 16.55	\$ 165.50	0.03	0.3
1	2"	CI NH wye	\$ 20.30	\$ 20.30	0.56	0.6
1	2"	CI NH Blind Plug	\$ 7.90	\$ 7.90	0.21	0.2
3	2"	Hanger Assemblies **	\$ 23.00	\$ 69.00	1.25	3.8
2	1/2"	Long seismic arm kits/drill test/inspt	\$ 95.00	\$ 190.00	2.5	5.0
2	1/2"	Drill/Trk test/inspection	\$ 16.00	\$ 36.00	2.25	4.5
1		Test / inspection				2.0

DETAILING + FAB

Spool DWG'S 4 @ 13 Days (8 Hrs/ Day)

(See Summary Page)

Attachment A(1)
(Plumbing Materials/Labor Breakdown)

FWS # 0807-227Br1

Qty	Size	Description	Unit	Total	Unit	Total
			Price	Price	Labo	Labo
PW INSTALL						
"A" Level-4 Install (SK-8) New Loc(H-4810)						
20	3/4"	Type "L" copper Tubbing	\$ 5.11	\$ 102.20	0.06	1.2
2	1/2"	Type "L" copper Tubbing	\$ 3.18	\$ 6.36	0.06	0.1
1	2x2x3/4	cxxc Tee	\$ 48.08	\$ 48.08	1	1.0
1	1x1x3/4"	cxxc Tee	\$ 18.64	\$ 18.64	0.85	0.9
2	1/2"	cx WHA-1	\$ 72.00	\$ 144.00	0.75	1.6
2	3/4,1/2,1/2	cxxc Tee	\$ 7.47	\$ 14.94	0.61	1.2
2	1/2"	cx cap	\$ 1.12	\$ 2.24	0.22	0.4
4	1/2"	cx st 90el	\$ 2.35	\$ 9.40	0.22	0.8
1	2'-0	cadium plate "Holdrite" Bar	\$ 3.51	\$ 3.51	0.25	0.3
4	3/4"	Felted Hanger Assemblies **	\$ 20.00	\$ 60.00	1.25	5.0
4	3/8"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 72.00	2.25	9.0
4	4"	Hanger Assemblies **	\$ 29.00	\$ 116.00	1.37	5.5
4	3/8"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 72.00	2.25	9.0
4	7/8x11/2	Cal-Shield/ +Insulation	\$ 7.41	\$ 29.64	0.27	1.1
1		solder 95	\$ 30.00	\$ 30.00	1.5	1.5
1		paste	\$ 28.17	\$ 28.17	1.5	1.5
1		actlyn	\$ 30.93	\$ 30.93	1.5	1.5
1		emery	\$ 12.00	\$ 12.00	1.5	1.5
"C" Level-4 Install (SK-2) New Loc (H-4808)						
15	3/4"	Type "L" copper Tubbing	\$ 5.11	\$ 76.65	0.06	0.9
2	1/2"	Type "L" copper Tubbing	\$ 3.18	\$ 6.36	0.06	0.1
8	3/4"	cx 90el	\$ 3.45	\$ 27.60	0.63	3.2
4	1/2"	cx st 90el	\$ 2.36	\$ 9.40	0.22	0.9
2	3/4,1/2,1/2	cxxc Tee	\$ 7.47	\$ 14.94	0.61	1.2
2	1/2"	cx WHA-1	\$ 72.00	\$ 144.00	0.75	1.6
2	1/2"	cx cap	\$ 1.12	\$ 2.24	0.22	0.4
1	2'-0	cadium plated "Holdrite" strap	\$ 3.51	\$ 3.51	0.25	0.3
2	3/4"	Felted Hanger Assemblies **	\$ 20.00	\$ 40.00	1.25	2.5
2	3/8"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 36.00	2.25	4.5
2	4"	Hanger Assemblies **	\$ 29.00	\$ 58.00	1.37	2.7
2	3/8"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 36.00	2.25	4.5
2	7/8x11/2	Cal-Shield	\$ 7.41	\$ 14.82	0.27	0.5
1		solder 95	\$ 30.00	\$ 30.00	1.5	1.5
1		paste	\$ 28.17	\$ 28.17	1.5	1.5
1		actlyn	\$ 30.93	\$ 30.93	1.5	1.5
1		emery	\$ 12.00	\$ 12.00	1.5	1.5
"E" Level-4 Install (SK-5) New Loc. (H-4802)						
14	3/4"	Type "L" copper Tubbing	\$ 5.11	\$ 71.54	0.06	0.8
2	1/2"	Type "L" copper Tubbing	\$ 3.18	\$ 6.36	0.06	0.1
2	1"x1"x3/4	cxxc Tee	\$ 19.64	\$ 39.28	0.85	1.7
8	3/4"	cx 90el	\$ 3.45	\$ 27.60	0.63	4.2
2	3/4,1/2,1/2	cxxc Tee	\$ 7.47	\$ 14.94	0.61	1.2
4	1/2"	cx st 90el	\$ 2.35	\$ 9.40	0.22	0.9
2	1/2"	cx WHA-1	\$ 72.00	\$ 144.00	0.75	1.5
1	2'-0	cadium plate "Holdrite" strap	\$ 3.51	\$ 3.51	0.25	0.3
1	3/4"	Felted Hanger Assemblies **	\$ 20.00	\$ 20.00	1.25	1.3
1	3/8"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 18.00	2.25	2.3
1	4"	Hanger Assemblies **	\$ 29.00	\$ 29.00	1.37	1.4
1	7/8x11/2	Cal-Shield	\$ 7.41	\$ 7.41	0.27	0.3
1		solder 95	\$ 30.00	\$ 30.00	1.5	1.5

Attachment A(1)

(Plumbing Materials/Labor Breakdown)

FWS # 0907-227Br1

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
1		paste	\$ 28.17	\$ 28.17	1.5	1.5
1		actlyn	\$ 30.93	\$ 30.93	1.5	1.5
1		emery	\$ 12.00	\$ 12.00	1.5	1.5
"G" Level-4 Install (BK-5) new Rm# (H-4606)						
8	3/4"	Type "L" copper Tubbing	\$ 5.11	\$ 40.88	0.06	0.5
2	1/2"	Type "L" copper Tubbing	\$ 3.18	\$ 6.36	0.08	0.1
2	3/4"	cxexc Tee	\$ 6.33	\$ 12.66	0.77	1.5
2	3/4x1/2x1/2	cxexc Tee	\$ 7.47	\$ 14.94	0.81	1.2
2	1/2"	exc WHA-1	\$ 72.00	\$ 144.00	0.75	1.5
2	1/2"	exc cap	\$ 1.12	\$ 2.24	0.22	0.4
1	2'-0	Cadmium Plate "Holdrite" Strap	\$ 3.51	\$ 3.51	0.25	0.3
1		solder 85	\$ 30.00	\$ 30.00	1.5	1.5
1		paste	\$ 28.17	\$ 28.17	1.5	1.5
1		actlyn	\$ 30.93	\$ 30.93	1.5	1.5
1		emery	\$ 12.00	\$ 12.00	1.5	1.5
"H" Level-4 replace (BK-5) new (LV-2)(4609)						
8	3/4"	Type "L" copper Tubbing	\$ 5.11	\$ 40.88	0.06	0.5
2	1/2"	Type "L" copper Tubbing	\$ 3.18	\$ 6.36	0.08	0.1
2	3/4"	cxexc Tee	\$ 6.33	\$ 12.66	0.77	1.5
2	3/4x1/2x1/2	cxexc Tee	\$ 7.47	\$ 14.94	0.81	1.2
2	1/2"	exc WHA-1	\$ 72.00	\$ 144.00	0.75	1.5
2	1/2"	exc Cap	\$ 1.12	\$ 2.24	0.22	0.4
1	2'-0	Cadmium Plate "Holdrite" Strap	\$ 3.51	\$ 3.51	0.25	0.3
1		solder 85	\$ 30.00	\$ 30.00	1.5	1.5
1		paste	\$ 28.17	\$ 28.17	1.5	1.5
1		actlyn	\$ 30.93	\$ 30.93	1.5	1.5
1		emery	\$ 12.00	\$ 12.00	1.5	1.5
(MG) -revision Item #28/32						
"I" Level-4 Revised patient bed (H-4418)HW						
25	3/4"	Type "L" Capped/Clean MG pipe	\$ 5.63	\$ 140.75	0.06	1.5
50	1/2"	Type "L" Capped/Clean MG pipe	\$ 3.27	\$ 163.50	0.06	3.0
1	3/4"	cxexc Tee (Bagged/Clean)	\$ 7.28	\$ 7.28	0.77	0.8
2	3/4"	cxexc Tee (Bagged/Clean)	\$ 7.28	\$ 14.56	0.77	1.5
4	1/2"	exc 90el (Bagged/Clean)	\$ 1.77	\$ 7.08	0.4	1.8
8	3/4"	exc 90el (Bagged/Clean)	\$ 3.97	\$ 31.74	0.53	4.2
1	3/4"	exc cap (Bagged/Clean)	\$ 2.39	\$ 2.39	0.29	0.3
6	3/4"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ 100.00	1.25	8.3
5	1/2"	Drill/Wedge Anchor/Tork test/Inspt	\$ 18.00	\$ 90.00	2.25	11.3
10	3/4"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ 200.00	1.25	12.5
10	1/2"	Drill/Wedge Anchor/Tork test/Inspt	\$ 18.00	\$ 180.00	2.25	22.5
2	1/2"	exc cap	\$ 1.12	\$ 2.24	0.22	0.4
1		Full time purge/ door Rental **	\$ 95.00	\$ 95.00		
		Test/ inspection / Report				2.0
"G" Level-4 Revised head wall (4605) location						
20	3/4"	Type "L" capped/Clean MG pipe	\$ 5.63	\$ 112.60	0.06	1.2
40	1/2"	Type "L" capped/Clean MG pipe	\$ 3.27	\$ 130.80	0.06	2.4
1	1"x3/4"	cxexc Tee (Bagged/Clean)	\$ 22.59	\$ 22.59	0.85	0.9
2	3/4x1/2"	cxexc Tee (Bagged/Clean)	\$ 7.00	\$ 14.01	0.89	1.4

Attachment A(1)

(Plumbing Materials/Labor Breakdown)

FWS # 0907-227Br1

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
4	3/4"	cxc 90el (Bagged/Clean)	\$ 3.97	\$ 15.87	0.53	2.1
8	1/2"	cxc 90el (Bagged/Clean)	\$ 1.77	\$ 14.17	0.4	3.2
1	3/4"	cxc Cap (Bagged/Clean)	\$ 2.39	\$ 2.39	0.29	0.3
2	1/2"	cxc Cap (Bagged/Clean)	\$ 1.29	\$ 2.58	0.22	0.4
5	3/4"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ 100.00	1.25	6.3
5	3/4"	Drill/Wedge Anchor/Tork test/Insp	\$ 18.00	\$ 90.00	2.25	11.3
10	1/2"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ 200.00	1.25	12.5
10	1/2"	Drill/Wedge Anchor/Tork test/Insp	\$ 18.00	\$ 180.00	2.25	22.5
1		Full time purge/ Doer rental **	\$ 95.00	\$ 95.00		
1		test / inspection/report				2.0
"H" Level-4 Revised Head wall (4609)location						
20	3/4"	Type "L" (capped/clean) MG pipe	\$ 5.63	\$ 112.60	0.06	1.2
30	1/2"	Type "L" (capped/clean) MG pipe	\$ 3.27	\$ 98.10	0.06	1.8
1	1"x3/4"	cxcxc Tee (Bagged/Clean)	\$ 22.59	\$ 22.59	0.85	0.9
2	3/4"x1/2"	cxcxc Tee (Bagged/Clean)	\$ 7.00	\$ 14.01	0.69	1.4
4	3/4"	cxc 90el (Bagged/Clean)	\$ 3.97	\$ 15.87	0.53	2.1
8	1/2"	cxc 90el (Bagged/Clean)	\$ 1.77	\$ 14.17	0.4	3.2
1	3/4"	cxc Cap (Bagged/Clean)	\$ 2.39	\$ 2.39	0.29	0.3
2	1/2"	cxc Cap (Bagged/Clean)	\$ 1.29	\$ 2.58	0.22	0.4
5	3/4"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ 100.00	1.25	6.3
5	1/2"	Drill/Wedge Anchor/Tork test/Insp	\$ 18.00	\$ 90.00	2.25	11.3
10	3/4"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ 200.00	1.25	12.6
10	1/2"	Drill/Wedge Anchor/Tork test/Insp	\$ 18.00	\$ 180.00	2.25	22.5
1		Full time purge/Doer rental **	\$ 95.00	\$ 95.00		0.0
1		Test / inspection/report				2.0
"A" Level-4 Revised headwall(4610)location						
20	3/4"	Type "L" (capped clean)MG pipe	\$ 5.63	\$ 112.60	0.06	1.2
30	1/2"	Type "L" (capped clean)MG pipe	\$ 3.27	\$ 98.10	0.06	1.8
1	1"x3/4"	cxcxc Tee (Bagged/Clean)	\$ 22.59	\$ 22.59	0.85	0.9
2	3/4x1/2"	cxcxc Tee (Bagged/Clean)	\$ 7.00	\$ 14.01	0.69	1.4
4	3/4"	cxc 90el (Bagged/Clean)	\$ 3.97	\$ 15.87	0.53	2.1
8	1/2"	cxc 90el (Bagged/Clean)	\$ 1.77	\$ 14.17	0.4	3.2
1	3/4"	cxc cap (Bagged/Clean)	\$ 2.39	\$ 2.39	0.29	0.3
2	1/2"	cxc cap (Bagged/Clean)	\$ 1.29	\$ 2.58	0.22	0.4
3	3/4"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ 80.00	1.25	3.8
3	3/4"	Drill/Wedge Anchor/Tork test/Insp	\$ 18.00	\$ 54.00	2.25	6.8
6	1/2"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ 120.00	1.25	7.5
6	1/2"	Drill/Wedge Anchor/Tork test/Insp	\$ 18.00	\$ 108.00	2.25	13.5
1		full time purge/ Doer rental **	\$ 95.00	\$ 95.00		
		Test/ inspection / report				2.0
"B" Level-4 Revised headwall (4608) location						
6	3/4"	Type "L" (capped/clean)MG pipe	\$ 5.83	\$ 33.78	0.08	0.4
12	1/2"	Type "L" (capped/clean)MG pipe	\$ 3.27	\$ 39.24	0.06	0.7
1	1"x3/4"	cxcxc Tee (Bagged/Clean)	\$ 22.59	\$ 22.59	0.85	0.9
2	3/4x1/2"	cxcxc Tee (Bagged/clean)	\$ 7.00	\$ 14.01	0.69	1.4
3	3/4"	cxc 90el (Bagged/Clean)	\$ 3.97	\$ 11.90	0.53	1.6
6	1/2"	cxc 90el (Bagged/Clean)	\$ 1.77	\$ 10.63	0.4	2.4
1	3/4"	cxc cap (Bagged/Clean)	\$ 2.39	\$ 2.39	0.29	0.3
2	1/2"	cxc cap (Bagged/Clean)	\$ 1.29	\$ 2.58	0.22	0.4
2	3/4"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ 40.00	1.25	2.5
2	3/8"	Drill/Wedge Anchor/Tork test/Insp	\$ 18.00	\$ 36.00	2.25	4.5
4	1/2"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ 80.00	1.25	5.0
4	3/8"	Drill/Wedge Anchor/Tork test/Insp	\$ 18.00	\$ 72.00	2.25	9.0

Attachment A(1)
(Plumbing Materials/Labor Breakdown)

FWS # 0907-227B1

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
1		full time purge/ Door rental ** Test/ inspection/ report	\$ 95.00	\$ 95.00		2.0
Revise (MGV-2) 4-4 valve box						
22	1"	Type "L" (capped/Clean) MG pipe	\$ 9.07	\$ 199.54	0.08	1.8
44	3/4"	Type "L" (capped/Clean) MG pipe	\$ 5.63	\$ 247.72	0.06	2.8
1	1 1/4x1"	cxcxc Tee (Bagged/clean)	\$ 32.90	\$ 32.90	0.09	1.0
2	1x3/4"	cxcxc Tee (Bagged/clean)	\$ 22.59	\$ 45.17	0.85	1.7
9	1"	cxc 90el (Bagged/clean)	\$ 9.74	\$ 87.66	0.83	5.7
18	3/4"	cxc 90el (Bagged/clean)	\$ 3.97	\$ 71.42	0.53	9.5
4	1"	Felt Lined Hanger Assemblies **	\$ 23.00	\$ 92.00	1.25	5.0
4	3/8"	Drill/Wedge Anchor/Tork test/Insp	\$ 18.00	\$ 72.00	2.25	9.0
4	3/4"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ 80.00	1.26	5.0
8	3/8"	Drill/Wedge Anchor/Tork test/Insp	\$ 18.00	\$ 144.00	2.25	18.0
1		full time Purge / Door rental **	\$ 95.00	\$ 95.00		
1		Test/ inspection/ report				2.0
Revise (MGV-2) 4-6 valve Box						
15	1"	Type "L" (Capped /clean) MG pipe	\$ 9.07	\$ 136.05	0.08	1.2
30	3/4"	Type "L" (Capped /clean) MG pipe	\$ 5.63	\$ 168.90	0.06	1.8
5	1"	cxc 90el (Bagged/Clean)	\$ 9.74	\$ 48.70	0.63	3.2
10	3/4"	cxc 90el (Bagged/Clean)	\$ 3.97	\$ 39.66	0.53	5.3
3	1"	Felt Lined Hanger Assemblies **	\$ 23.00	\$ 69.00	1.25	3.8
3	3/8"	Drill/Wedge Anchor/Tork test/Insp	\$ 18.00	\$ 54.00	2.25	6.8
6	3/4"	Felt Lined Hanger Assemblies **	\$ 20.00	\$ 120.00	1.26	7.5
6	3/8"	Drill/Wedge Anchor/Tork test/Insp	\$ 18.00	\$ 108.00	2.25	13.5
1		Full time purge / Door rental **	\$ 95.00	\$ 95.00		
1		Test inspection / report				2.0
MP INSTALL						
Installation New Steam/Cond. Return						
1	H-4-4	"New Added" (Dry-steam/Ultra/xv)#22 Steam Humidifier coil (C-4820)				
1	1/2"	BF-T-Gate valve #H110	\$ 78.00	\$ 78.00	0.53	0.5
1		Valve Tag **	\$ 15.00	\$ 15.00	0.5	0.5
		control valve (supplied solimens)			1.2	1.2
2	1/2"	steam traps	\$ 154.80	\$ 309.80	1.7	3.4
3	1/2"	Blk threaded unions F/T	\$ 21.30	\$ 63.90	0.88	2.0
12	1/2x4"	Blk sch 80 nipples	\$ 2.88	\$ 34.56	0.25	3.0
1	1x1/2"	Blk socket weld Tee	\$ 40.19	\$ 40.19	1.87	1.7
1	1"	Blk socket weld Cap	\$ 22.88	\$ 22.88	0.59	0.8
1	3/4"	Blk socket weld Tee	\$ 29.59	\$ 29.59	1.28	1.3
1	3/4"	Blk socket weld Cap	\$ 15.08	\$ 15.08	0.47	0.5
2	3/4"	Blk threaded unions	\$ 24.48	\$ 48.96	0.94	1.9
1	3/4"	BF -T-gate valve HL10	\$ 93.00	\$ 93.00	0.72	0.7
1		Valve Tag **	\$ 15.00	\$ 15.00	0.5	0.5
1	3/4"	BF-T-Check valve #HL-40	\$ 123.00	\$ 123.00	0.71	0.7
1		Valve Tag **	\$ 15.00	\$ 15.00	0.5	0.5
10	1"	Blk-pipe sch 40 pipe	\$ 10.15	\$ 101.50	0.18	1.8
10	3/4"	Blk-pipe sch 80 pipe	\$ 15.37	\$ 153.70	0.21	2.1
1	2"x1"	Blk- socket weld tee	\$ 118.15	\$ 118.15	3.33	3.3
1	1 1/4x3/4"	Blk- socket weld tee	\$ 61.76	\$ 61.76	2.09	2.1
6	4"	Hanger Assemblies **	\$ 29.00	\$ 174.00	1.37	8.2
8	3/8"	Drill/Wedge Anchor/Tork test/Insp	\$ 18.00	\$ 108.00	2.25	13.5

Attachment A(1)
(Plumbing Materials/Labor Breakdown)

FWS # 0907-227Br1

Qty	Size	Description	Unit Price	Total Price	Unit Labor	Total Labor
		Welding/inspection/ fab.				2.0
		Testing/ inspection site				2.0
H-4-5 Item#22 Humidifer unit (H-4604)						
10	1"	Blk -pipe sch 40 pipe	\$ 10.15	\$ 101.60	0.18	1.8
10	3/4"	Blk -pipe sch 80 pipe	\$ 15.37	\$ 153.70	0.21	2.1
1	2"x1"	Blk-socket welded Tee	\$ 118.15	\$ 118.15	3.33	3.3
1	1 1/4x3/4	Blk-socket welded Tee	\$ 61.76	\$ 61.76	2.09	2.1
2	1"	Blk -socket weld 90el	\$ 26.10	\$ 52.20	1.13	2.3
2	3/4"	Blk -socket weld 90el	\$ 20.33	\$ 40.66	0.66	1.7
4	4"	Hanger Assemblies**	\$ 29.00	\$ 116.00	1.37	5.5
4	3/8"	Drill/Wedge Anchor/Tork test/Inspt	\$ 18.00	\$ 72.00	2.25	9.0
		Welding/inspection/fab.				2.0
		testing/ inspection site				2.0
H-4-5 Relocated Humidifer unit (C-4700)#22						
10	1"	Blk - pipe sch 40 pipe	\$ 10.15	\$ 101.50	0.18	1.8
10	3/4"	Blk - pipe sch 80 pipe	\$ 15.37	\$ 153.70	0.21	2.1
1	2"x 1"	Blk socket weld Tee	\$ 118.15	\$ 118.15	3.33	3.3
1	1 1/4x3/4	Blk socket weld Tee	\$ 61.76	\$ 61.76	2.09	2.1
3	1"	Blk socket weld 90el	\$ 26.10	\$ 78.30	1.13	3.4
3	3/4"	Blk socket weld 90el	\$ 20.33	\$ 60.99	0.66	2.6
16	4"	Hanger Assemblies **	\$ 29.00	\$ 464.00	1.37	21.9
16	3/8"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 288.00	2.25	36.0
		welding/inspection/fab.				2.0
		Testing/ inspection site				2.0
Relocate Item #20(Cav-S4-26/S4-60)						
130	3/4"	Type "L" copper tubing/1 1/2insulation	\$ 5.11	\$ 664.30	0.06	7.8
20	3/4"	cxc 90el	\$ 3.45	\$ 69.00	0.53	10.6
4	3/4"	cxc Tee	\$ 6.33	\$ 25.32	0.77	3.1
2	3/4"	cxc coupling	\$ 2.34	\$ 4.68	0.53	1.1
8	3/4"	cxc Re-heat coil flexes	\$ 95.00	\$ 570.00	1.4	8.4
6	3/4"	T-585 Niboc Ball valve	\$ 45.25	\$ 271.50	0.71	4.3
8		Valve Tag**	\$ 15.00	\$ 90.00	0.6	3.0
8	3/4"	CxMip Adpt	\$ 6.40	\$ 32.40	0.29	1.7
34	2"	Hanger Assemblies **	\$ 23.00	\$ 782.00	1.25	42.6
34	3/8"	Drill/Wedge Anchor/Tork test/inspt	\$ 18.00	\$ 612.00	2.25	76.6
34	3/4x1 1/2	Cal-shield	\$ 7.41	\$ 251.94	0.27	9.2
		Test / inspection				2.0
Subtotal			\$	23,021.95		1337.7
Less: 15% Discount on Materials			\$	(3,453.29)		
** Non-Discountables			\$	4,341.00		
W.O. #16 on Labor						55.7
TOTAL			\$	23,909.66		1393.5
* Extended Maintenance (Cost x 15%)				Excluded		

Attachment A(2)

(Sheetmetal Materials/Labor Breakdown)

FWS # 0907-227Bt1

Qty	Size	Description	Unit Price	Total Price	Shop Labor	Field Labor
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DRAWING I4-M1.04.4

ITEM #18

DUCTWORK (see attachments)	\$ 3,158.14	51.1	335.0
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EQUIPMENT (see attachments & below)

1. DAL/SIEMENS (Temp Controls & Equipment)- ROM	\$ 37,729.52		-21.1
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a. Air Valves and its Controls			(sub-contract)
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b. Humidifier Controls			(sub-contract)
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c. Re-locate Thermostats due to revised Rooms and/or Locations			(sub-contract)
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2. NSW (Equipment)	\$ 21,155.00		(material)
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Two (2) Humidifier Systems: H-4-8, H-4-4

One (1) FSD: FSD-4-97

Subtotal	\$ 62,042.66	51.10	313.90
W.O. #16 on Labor		2.13	13.08
TOTAL	\$ 62,042.66	53.23	326.98

* *Extended Maintenance (Cost x 15%)* Excluded

ATTACHMENT B

Attachment B - Equipment Rental		FWS # 0007-227Brl		
Item	Term	Quantity	Price/Unit	Total Cost
Abrasive Cutoff Saw 14"				
Compressor - Electric				
Compressor 125 cfm - Gas				
Shear - Electric				
Drill Motor - 3/8" Cap Cordless	DAYS	37.00	\$25.00	\$925.00
Drill Motor - 1/2" Cap				
Drill Press 3/4" (Mag.)				
Fan - 24" Propeller				
Floodlight - 1000 Watt	DAYS	37.00	\$12.00	\$444.00
Gang Boxe - Large	DAYS	37.00	\$22.00	\$814.00
Generator 5000 Watt Gas				
Hoist - Cable Winch 8 - 12 hp				
Hoist - Com-Along - 8 Ton				
Hoist - Com-Along - .75 Ton				
Hoist - Hi-Jack				
Impact Wrench - 1/2"				
JLG 6,500 lbs cap W/Gas				
Jack Hammar - 30 lbs				
Laser Level - Pipe & Sewer				
Multi-Ton Rollers - 8 Ton				
Pallet Jacks 4000#				
Pipe Snap Cutter - Hand	DAYS	37.00	\$19.00	\$666.00
Pipe Threading Machine				
Powder Actuated Gun - 3/8"				
Roto Hammer 1"	DAYS	37.00	\$398.00	\$14,726.00
Saw - Copper Cutoff on Stan.				
Saw - Gas of Cut Off 14"				
Saw - Portable Band Type	DAYS	37.00	\$65.00	\$2,405.00
Scaffold 12" Aluminum				
Scissor Lift 20' Electric	DAYS	4.00	\$153.00	\$612.00
Scissor Lift 30' Electric				
Scissor Lift 31' + Electric				
Test Pump - Hydrostatic				
Torch - Cutting (Less Gases)				
Torch - Soldering (Less Gases)				
Truck 3/4 Tone 2 WD				
Two Way Radio				
Vacuum Cleaner				
Vic Roll Groover				
Welding Machine - Elec 250				
Welding Machine - Diesel 225				
Winch - Electric 5HP				
Gas Detection Meter 4 Gas				
Fork Lift, 6,000# Reach				
Fork L/R, 8,000# Reach				
HEPA Vac				
Total				\$20,592.00

Identified costs, and components thereof, are estimates and may not represent actual costs.

ATTACHMENT C

Attachment C - Miscellaneous Material		FWS # 0907-227Br1	
Item	Quantity	Cost/Each	Total
Pipe Markers @ \$3.00 per 10' of Pipe	1.00	\$3.00	\$3.00
Silver Solder	1.00	\$85.00	\$85.00
Flux	1.00	\$11.43	\$11.43
B-Tank	1.00	\$15.00	\$15.00
Pipe Dope			
PVC Glue			
PVC Primer			
Vic Lube			
Oxygen Refills	1.00	\$32.40	\$32.40
Acetylene Refills	1.00	\$43.08	\$43.08
Blueprint Costs			
Gasoline			
Test Plugs	1.00	\$26.90	\$26.90
Welding Rod			
Trench Plate Rental			
Total			\$218.81

ed costs, and components thereof, are estimates and may not represent actual costs.

(Highland Hospital)
(ACD-14-033) L-4 NICU Revision

(3/5/14)

(PCO - 810276A / Detailing) - (FWS#0907-227A)

(PCO - 810276B / Construction cost) - (FWS#0907-227B)

"OVERVIEW"

(DWV / PW) Item "A" thru "L" Item# (1-47)

"A"- Permit Drwg Rm#(4421)-(SK-5) Demo/relocate - (SK-5) New Rm# (4610) Location.

"B"- Permit Drwg Rm#(4419)- (SK-5) "Demo Only"-Delete. New Rm#(4608)

"C"- Permit Drwg Rm#(4576)-(SK-2) Demo/relocate - (SK-2) New Rm# (4606) Location.

"D"- Permit Drwg Rm#(4603)-(SK-5) "Demo Only" -

"E"- Permit Drwg Rm#(4622)-(SK-5) Demo/relocate - (SK-5) New Rm# (4602) Location.

"F"- Permit Drwg Rm#(4601A)-(SK-5) Demo/revise Fxtr (LV-2)New Rm#(4601A) Location.

"G"-Permit Drwg Rm#(4601C)-(SK-5) Demo/relocate - (SK-5) New Rm#(4605) Location.

"H"-Permit Drwg Rm#(4606)-(SK-5) Demo/relocate- (LV-5) New Rm#(4609) Location.

"I"-Permit Drwg Rm# (4418)-(SK-8)Demo/relocate (SK-8)New (4418)Location Bed Loc. Revised

"J" -Permit Drwg Rm (4418A)-(LV-2)Demo/relocate (LV-2) (4418A) new location perACD I3-010

"K"-Permit Drwg Rm(4418A) - (WC-1)Demo/relocate (WC-1) (4418A) new loc. Per ACD-I3-010

"L" -Permit Drwg Rm(4418A)-(SH-2)Demo/relocate (SH-2) (4418A)new loc. Per ACD-I3-010

(MG) Med-Gas Rm revision- Item #(1-47)

"A"-Permit Drwg Rm (4421) Demo/relocate (Headwall unit) New Rm#(4610) Location

"B"-Permit Drwg Rm (4419) Demo/relocate (Headwall unit) New Rm#(4608) Location

"G"-Permit Drwg Rm (4601C) Demo/relocate (Headwall unit) New Rm#(4605) Location

"H"-Permit Drwg Rm (4606) Demo/relocate (Headwall unit) New Rm#(4609) Location

"I"- Permit Drwg Rm (4418) Patient Bed Med-Gas Headwall unit relocated (south) wall

(MGV-2) 4-4 conflict with Med-Gas Box location revised.

(MGV-2) 4-6 conflict with Med-Gas Box location revised.

(MP) Mech Piping

(H-4-5) Humidifier coil relocated new NICU location

(H-4-4) Added New Humidifier coil

(H-4-9) old H-4-4 Tag# revised, location revised.

Delete -(Cav-S4-25,Vav-S4-26,Cav-S4-27,Cav-S4-60)Relocate new location (Cav-S4-25/S4-60)

Reise Hot water Heating piping - at C-4602A Corridor.

(MD) Mech-Duct Item#(1-47)

pg 2 of 2	L-4 (NICU) #810041			
2/28/14	(ACD-I4-033)- (ACD-I3-010)			
9/20/13	(1) - Detailer @ 8hr	8hr	129.2	1,033.60
9/23/13	(1) - Suprv-Detailer @ 1hr	1hr	137.96	137.96
12/6/13	(1) - Suprv-Detailer @ 4hr	4hr	137.96	551.84
12/6/13	(1) - Detailer @ 6hr	6hr	129.2	775.2
12/12/13	(1) - Lead-Detailer @ 2hr	2hr	137.96	275.92
12/12/13	(1) - Detailer @ 2hr	2hr	129.2	258.4
12/16/13	(1) - Lead-Detailer @ 6hr	6hr	137.96	827.76
12/17/13	(1) - Lead-Detailer @ 4hr	4hr	137.96	551.84
12/17/13	(1) - Lead-Detailer @ 2hr	2hr	137.96	275.92
12/18/13	(1) - Lead-Detailer @ 3hr	3hr	137.96	443.88
12/18/13	(1) - Detailer @ 8hr	8hr	129.2	1,033.60
12/19/13	(1) - Lead-Detailer @ 2hr	2hr	137.96	275.92
12/19/13	(1) - Detailer @ 8hr	8hr	129.2	1,033.60
12/20/13	(1) - Lead-Detailer @ 2hr	2hr	137.96	275.92
12/20/13	(1) - Detailer @ 8hr	8hr	129.2	1,033.60
12/24/13	(1) - Lead-Detailer @ 2hr	2hr	137.96	275.92
12/27/13	(1) - Lead-Detailer @ 3hr	3hr	137.96	413.88
12/30/13	(1) - Lead-Detailer @ 2hr	2hr	137.96	275.92
12/30/13	(1) - Detailer @ 8hr	8hr	129.2	1,033.60
12/31/13	(1) - Lead-Detailer @ 2hr	2hr	137.96	275.92
12/13/13	(1) - Detailer @ 8hr	8hr	129.2	1,033.60
1/2/14	(1) - Detailer @ 8hr	8hr	129.2	1,033.60
1/3/14	(1) - Detailer @ 2hr	2hr	129.2	258.40
1/3/14	(1) - Detailer @ 8hr	8hr	129.2	1,033.60
1/6/13	(1) - Detailer @ 8hr	8hr	129.2	1,033.60
1/7/14	(1) - Lead-Detailer @ 2hr	2hr	137.96	275.92
1/7/14	(1) - Detailer @ 4hr	4hr	129.2	516.80
1/8/14	(1) - Detailer @ 2hr	2hr	129.2	258.40
1/8/14	(1) - Detailer @ 8hr	8hr	129.2	1,033.60
1/9/14	(1) - Lead-Detailer @ 2hr	2hr	137.96	275.92
1/9/14	(1) - Detailer @ 1hr	1hr	129.2	129.20
1/10/14	(1) - Lead-Detailer @ 3hr	3hr	137.96	275.92
1/10/14	(1) - Detailer @ 4hr	4hr	129.2	516.80
1/15/14	(1) - Lead-Detailer @ 2hr	2hr	137.96	275.92
1/16/14	(1) - Detailer @ 4hr	4hr	129.2	516.80
1/20/14	(1) - Lead-Detailer @ 3hr	3hr	137.96	413.88
1/20/14	(1) - Detailer @ 8hr	8hr	129.2	1,033.60
1/21/14	(1) - Detailer @ 8hr	8hr	129.2	1,033.60
1/22/14	(1) - Lead-Detailer @ 2hr	2hr	137.96	275.92
1/22/14	(1) - Detailer @ 3hr	8hr	129.2	1,033.60
2/3/14	(1) - Detailer @ 8hr	8hr	129.2	1,033.60
	TOTAL Hr=	416hr		61,517.61
	Subtotal		\$	
	Less 15% Discount		\$	
	Non-Discountables		\$	
	Total -		\$	

OAKLAND HIGHLAND ACT

#0907-227B

DRAWING 14-M1.04.4

ITEM #19

DUCTWORK

NO.	MATERIAL COST	SHOP LABOR (hrs)	FIELD LABOR (hrs)
1	\$ (460.86)	0.0	-14.6
	\$ 361.92	11.5	28.1
2	N/C	N/C	N/C
3	\$ (1,018.92)	-13.0	-37.3
	\$ 878.33	7.5	61.5
4	\$ (800.68)	-10.5	-23.8
5	\$ (150.33)	-1.5	-4.7
6	N/C	N/C	N/C
7	\$ 488.44	2.8	29.8
8	\$ (81.27)	-4.4	-5.0
	\$ 74.04	4.4	6.5
9	\$ 883.22	5.9	51.4
10	N/C	N/C	N/C
11	N/C	N/C	N/C
12	\$ (1,575.78)	-17.0	-37.6
13	\$ 1,733.69	25.1	103.1
14	\$ 1,083.97	18.1	69.0
15	\$ (155.98)	0.0	-4.3
16	N/C	N/C	N/C
17	\$ 1,898.35	22.0	112.9
SUB-TOTALS	\$ 3,158.14	51.1	335.0

EQUIPMENT

NO.	STATUS	EQUIPMENT ITEMS	EQUIPMENT COST	FIELD LABOR (hrs)
3	CREDIT:	16x16 Humidifier: H-4-4	(No Credit, on-site)	-3.5
	CREDIT:	16x16 FSD	(No Credit, on-site)	-4.6
	ADD	12" Air Valve: CAS4-60	SIEMENS	(In sheets)
	ADD	12x12 Humidifier: H-4-9	NSW	(In sheets)
	ADD	12x12 FSD: FSD-4-97	NSW	(In sheets)
4	CREDIT:	16" Air Valve: CAV-S4-27	<SIEMENS>	-2.0
	CREDIT:	14" Air Valve: CAV-E4-27	<SIEMENS>	-2.0
	CREDIT:	16x16 SWG	<NSW>	-0.5
5	CREDIT:	10" Air Valve: CAV-E4-26	<SIEMENS>	-2.0
	CREDIT:	10" Air Valve: VAV-S4-26	<SIEMENS>	-2.0
	CREDIT:	24x18 R/H Coil	<NSW>	-1.0
	CREDIT:	16x16 SWG	<NSW>	-0.5
7	ADD	(2) 24x24 CD	NSW	(In sheets)
9	ADD	12" Air Valve: CAV-E4-25	SIEMENS	2.0
	ADD	16x16 SWG	NSW	0.5
12	CREDIT	Dual 12" Air Valve: CAV-S4-25	<SIEMENS>	-4.0
	CREDIT:	15x8 R/H Coil	<NSW>	-1.0
13	ADD	24x12 Humidifier: H-4-5	NSW	(In sheets)
	ADD	Dual 12" Air Valve: CAV-S4-26	SIEMENS	(In sheets)
	ADD	24x18 R/H Coil	NSW	(In sheets)
14	ADD	12x12 Humidifier: H-4-4	NSW	(In sheets)
	ADD	12" Air Valve: CAV-S4-25	SIEMENS	(In sheets)
	ADD	15x8 R/H Coil	NSW	(In sheets)
	ADD	24x24 CD	NSW	(In sheets)
15	CREDIT	24x24 CD	<NSW>	-0.5
17	ADD	(2) 24x24 CD	NSW	(In sheets)
SUB-TOTALS		---	(in SM Sheet)	-21.1

Sheet Metal Design Systems			
CREDIT #1 (M1.04.4)			
Job: Oakland Highland ACT 0807-2278		Bid Date: 41703	
Job ID: 920		Estimator:	
	Hours	Costs	
QuoteExpress Shop Labor	0.00		
QuoteExpress Field Labor	0.00		
QuoteExpress Other Labor	0.00		
QuoteExpress Labor Hrs.			
Catalog Labor	0.00		
		TOTAL LABOR COST	
QuoteExpress Materials			
Catalog Materials			
Miscellaneous Input			
		\$ -	
		\$ -	
Exhaust / Supply Fans		\$ -	
Air Handling Units		\$ -	
GRD'S		\$ -	
Fire Dampers / Smoke Dampers		\$ -	
		\$ -	
Spiral / Oval Pipe and Fittings		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		\$ -	
		TOTAL MATERIAL AND EQUIPMENT	
Subcontracts		\$ -	
Duct Wrap		\$ -	
Controls		\$ -	
Balance		\$ -	
		\$ -	
		TOTAL SUBCONTRACTS	
		TOTAL DIRECT COSTS	
Overhead On Labor	0.00%	\$ -	
Overhead On Material and Equipment	0.00%	\$ -	
Overhead On Subcontractors	0.00%	\$ -	
		TOTAL OVERHEAD	
		TOTAL DIRECT AND INDIRECT COSTS	
Profit	0.00% of Total Costs	\$ -	
Performance Bond	0.00% of Total Bid	\$ -	
Permit		\$ -	
Total O&P Markup	\$ -		
		TOTAL BID	

City of Dallas, Texas - Department of Public Works - Office of Engineering Services - 6000 North Loop East, Suite 2000, Dallas, Texas 75248

Item No.	Description	Quantity	Unit	Unit Price	Total Price	Material Code
0.00	RECTANGULAR	0.00		0.00	0.00	
0.00	Duct	0.00	0.00	0.00	0.00	
0.00	Sluice/Uniform Duct	0.00	0.00	0.00	0.00	
0.00	Fittings	0.00	0.00	0.00	0.00	
14.00	SPIRAL ROUND	88.13	0.00	12.33	421.13	
4.00	Pipe	26.18	0.00	4.56	26.18	
10.00	Fittings	41.97	0.00	8.20	400.90	
0.00	CVAL	0.00	0.00	0.00	0.00	
0.00	Pipe	0.00	0.00	0.00	0.00	
0.00	Fittings	0.00	0.00	0.00	0.00	
1.00	ACCESSORY ITEMS	0.00	0.01	2.45	21.73	
0.00	CATALOG ITEMS	0.00	0.00	0.00	0.00	
TOTAL						

Check items of summary above.

0.00	LINER	0.00	0.00	0.00	0.00	
0.00	Rectangular	0.00	0.00	0.00	0.00	
0.00	Duct	0.00	0.00	0.00	0.00	
0.00	Sluice/Uniform duct	0.00	0.00	0.00	0.00	
0.00	Fittings	0.00	0.00	0.00	0.00	
0.00	Spiral Round	0.00	0.00	0.00	0.00	
0.00	Pipe	0.00	0.00	0.00	0.00	
0.00	Fittings	0.00	0.00	0.00	0.00	
0.00	Orft	0.00	0.00	0.00	0.00	
0.00	Pipe	0.00	0.00	0.00	0.00	
0.00	Fittings	0.00	0.00	0.00	0.00	
0.00	Accessory	0.00	0.00	0.00	0.00	
0.00	Cabling	0.00	0.00	0.00	0.00	
0.00	WRAP	0.00	0.00	0.00	0.00	
0.00	Rectangular	0.00	0.00	0.00	0.00	
0.00	Duct	0.00	0.00	0.00	0.00	
0.00	Sluice/Uniform Duct	0.00	0.00	0.00	0.00	
0.00	Fittings	0.00	0.00	0.00	0.00	
0.00	Spiral Round	0.00	0.00	0.00	0.00	
0.00	Pipe	0.00	0.00	0.00	0.00	
0.00	Fittings	0.00	0.00	0.00	0.00	
0.00	Orft	0.00	0.00	0.00	0.00	
0.00	Pipe	0.00	0.00	0.00	0.00	
0.00	Fittings	0.00	0.00	0.00	0.00	
0.00	Accessory	0.00	0.00	0.00	0.00	
0.00	Cabling	0.00	0.00	0.00	0.00	
0.00	JOINT	0.00	0.00	0.00	0.00	

DetailSM

Company: Oakland Highland ACT 0907-2278

JobName: CREDIT #1

()

Run Date: 03/08/14 @ 10:12

Sort Key: By Zone/Phase

Zone	Phase	Material	Gr	Qty	Total Lbs.	Total Feet	Total Fab	Total Install	Total Other	Total Material	
CREDIT #1 Drawing M1.04.4	Finish										
	8 x 7	Flex 2 THERMAFLEX		1	0.0	7.0	0.011	0.454	0.0	\$ 31.73	
Finish		(SUBTOTAL)		1	0.0	7.0	0.011	0.454	0.0	\$ 31.73	
CREDIT #1 Drawing M1.04.4	Rough-In										
	8 x 1	Spiral Pipe	Galv Round Duct	26	1	2.8	1.17	0.0	1.241	0.02	\$ 3.01
	8 x 2	Spiral Pipe	Galv Round Duct	26	1	4.45	2.0	0.0	1.241	0.02	\$ 4.91
	8 x 2	Spiral Pipe	Galv Round Duct	26	1	4.64	2.08	0.0	1.241	0.02	\$ 5.10
	8 x 8	Spiral Pipe	Galv Round Duct	26	1	14.47	6.5	0.0	1.241	0.02	\$ 15.21
	8 x 8	90' Gored Elbow	Galv Round Fittings	24	3	19.59	8.21	0.0	2.913	0.3	\$164.52
	8 x 8	Variable Gored Elbow	Galv Round Fittings	24	5	19.85	8.45	0.0	4.33	0.5	\$170.65
	8	Round Volume Damper	Galv Round Fittings	24	1	0.452	0.0	0.0	0.45	0.02	\$ 30.85
	8	Straight Tap Tap-In W/OCoilar	Galv Round Fittings	24	1	2.08	0.0	0.0	0.57	0.02	\$ 34.88
Rough-In		(SUBTOTAL)		14	68.132	24.41	0.0	13.227	0.92	\$428.13	
		(TOTAL)		15	68.132	31.41	0.011	13.681	0.92	\$460.86	

Sheet Metal Design Systems

ADD #1 (M1.04.4)

Job: Oakland Highland ACT 0907-227B
Job ID: 820

Bid Date: 41703
Estimator:

	Hours		Costs	
QuoteExpress Shop Labor				
QuoteExpress Field Labor				
QuoteExpress Other Labor				
<i>QuoteExpress Labor Hrs.</i>				
Catalog Labor				
TOTAL LABOR COST				
QuoteExpress Materials				
Catalog Materials				
Miscellaneous Input				
			\$ -	
			\$ -	
Exhaust / Supply Fans			\$ -	
Air Handling Units			\$ -	
GRD'S			\$ -	
Fire Dampers / Smoke Dampers			\$ -	
			\$ -	
Spiral / Oval Pipe and Fittings			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL MATERIAL AND EQUIPMENT				
Subcontracts			\$ -	
Duct Wrap			\$ -	
Controls			\$ -	
Balance			\$ -	
			\$ -	
TOTAL SUBCONTRACTS				
TOTAL DIRECT COSTS				
Overhead On Labor	0.00%		\$ -	
Overhead On Material and Equipment	0.00%		\$ -	
Overhead On Subcontractors	0.00%		\$ -	
TOTAL OVERHEAD				
TOTAL DIRECT AND INDIRECT COSTS				
Profit	0.00%	of Total Costs	\$ -	
Performance Bond	0.00%	of Total Bid	\$ -	
Permit			\$ -	
Total O&P Markup			\$ -	
TOTAL BID				

Detail/SM

Company: Oakland Highland ACT 0907-227B
 JobName: ADD #1

Run Date: 03/08/14 @ 07:51
 Sort Key: By Zone/Phase

Zone	Phase	Material	Gal	Qty	Total Lbs.	Total Feet	Total Fab	Total Install	Total Other	Total Material	
ADD #1 Drawing M1.04.4	Finish										
	14 x 7	Flex 2 THERMAFLEX		1	0.0	7.0	0.011	0.772	0.0	\$ 45.23	
Finish		(SUBTOTAL)		1	0.0	7.0	0.011	0.772	0.0	\$ 45.23	
ADD #1 Drawing M1.04.4	Rough-In										
	14 x 1	Spiral Pipe	Galv Round Duct	28	1	6.8	1.92	0.011	2.971	0.02	\$ 9.31
	14 x 1	Spiral Pipe	Galv Round Duct	26	1	6.52	1.33	0.011	2.971	0.02	\$ 7.00
	14 x 14	90° Gored Elbow	Galv Round Fittings	24	1	18.0	3.25	0.011	2.208	0.15	\$ 93.28
	14	Round Volume Damper	Galv Round Fittings	24	1	1.384	0.0	0.0	0.99	0.02	\$ 43.71
	9	Straight Tap Tap-In W/OCollar	Galv Round Fittings	24	1	3.4	1.75	0.011	1.417	0.02	\$ 38.01
	22 x 8	Duct	Galv Rect Duct	24	1	8.04	0.92	1.172	1.949	0.01	\$ 12.29
	22 x 8	Duct	Galv Rect Duct	24	1	18.88	2.58	1.229	1.949	0.01	\$ 19.37
	14 x 12 x 14	90° Square Elbow	Galv Rect Fittings	24	1	16.27	2.67	1.434	2.035	0.1	\$ 23.87
	22 x 6 x 22	Variable Square Elbow	Galv Rect Fittings	24	2	30.72	3.93	2.116	2.168	0.14	\$ 30.26
	22 x 6 x 8	Variable Radius Elbow	Galv Rect Fittings	24	1	12.9	1.91	1.136	1.106	0.07	\$ 13.45
	14 x 12	Mitered Offset	Galv Rect Fittings	24	1	6.58	1.0	0.924	2.283	0.13	\$ 7.85
	14 x 12 x 14	Square To Round	Galv Rect Fittings	24	1	5.75	0.83	1.329	1.261	0.07	\$ 5.04
	8 x 8 x 14	Square To Round	Galv Rect Fittings	24	1	3.72	0.67	1.19	1.243	0.04	\$ 3.34
	14 x 12 x 6	Angle Tap In	Galv Rect Fittings	24	1	4.95	0.67	0.544	0.945	0.07	\$ 4.21
	22 x 8 x 2	End Cap	Galv Rect Fittings	24	1	4.73	0.0	0.464	0.825	0.03	\$ 7.81
Rough-In		(SUBTOTAL)		16	150.654	23.13	11.582	26.42	0.9	\$316.89	
		(TOTAL)		17	150.654	30.13	11.593	27.192	0.9	\$361.82	

Sheet Metal Design Systems

CREDIT #3 (Level 4, Area 4)

Job: Highland Hospital Change Order Credits by Kevin
 Job ID: 930

Bid Date: 0
 Estimator:

	Hours		Costs	
QuoteExpress Shop Labor	13.0			
QuoteExpress Field Labor	35.7			
QuoteExpress Other Labor	1.6			
QuoteExpress Labor Hrs.	60.3			
Catalog Labor	0.0			
TOTAL LABOR COST				\$
QuoteExpress Materials			\$ 1,018.92	
Catalog Materials			\$ -	
Miscellaneous Input			\$ -	
			\$ -	
			\$ -	
Exhaust / Supply Fans			\$ -	
Air Handling Units			\$ -	
GRD'S			\$ -	
Fire Dampers / Smoke Dampers			\$ -	
			\$ -	
Spiral / Oval Pipe and Fittings			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL MATERIAL AND EQUIPMENT				\$ 1,018.92
Subcontracts			\$ -	
Duct Wrap			\$ -	
Controls			\$ -	
Balance			\$ -	
			\$ -	
TOTAL SUBCONTRACTS				\$ -
TOTAL DIRECT COSTS				\$ 1,018.92
Overhead On Labor	0.00%		\$ -	
Overhead On Material and Equipment:	0.00%		\$ -	
Overhead On Subcontractors:	0.00%		\$ -	
TOTAL OVERHEAD				\$ -
TOTAL DIRECT AND INDIRECT COSTS				\$ 1,018.92
Profit	0.00%	of Total Costs	\$ -	
Performance Bond:	0.00%	of Total Bid	\$ -	
Permit:			\$ -	
Total O&P Markup:			\$ -	
TOTAL BID				\$ 1,018.92

DetailSM

Company: Highland Hospital Change Order Credits by Kevin
 JobName: 14-M1.04.4 CREDITS []

()
 Run Date: 03/06/14 @ 08:21
 Sort Key: By Zone/Phase

Zone	Phase	Material	Ga	Qty	Total Lbs.	Total Feet	Total Fab	Total Install	Total Other	Total Material	
14-M1.04.4 CREDITS	Finish										
	14 x 7	Flex 2 THERMAFLEX		2	0.0	14.0	0.022	1.028	0.0	\$ 90.46	
Finish		(SUBTOTAL)		2	0.0	14.0	0.022	1.028	0.0	\$ 90.46	
14-M1.04.4 CREDITS	Rough-In										
	10 x 6	Spiral Pipe	Galv Round Duct	26	1	17.4	6.25	0.0	1.248	0.02	\$ 18.02
	14 x 11	Spiral Pipe	Galv Round Duct	26	1	43.51	11.17	0.0	2.972	0.04	\$ 52.54
	14 x 11	Spiral Pipe	Galv Round Duct	26	1	44.18	11.33	0.0	2.972	0.04	\$ 53.20
	14 x 2	Spiral Pipe	Galv Round Duct	26	1	10.07	2.58	0.0	1.605	0.02	\$ 10.82
	14 x 3	Spiral Pipe	Galv Round Duct	26	1	11.69	3.0	0.0	1.605	0.02	\$ 12.47
	14 x 3	Spiral Pipe	Galv Round Duct	26	1	12.99	3.33	0.0	1.606	0.02	\$ 13.79
	14 x 6	Spiral Pipe	Galv Round Duct	26	1	26.33	6.5	0.0	1.606	0.02	\$ 26.33
	16	Spiral Pipe	Galv Round Duct	26	1	2.6	0.58	0.0	1.613	0.02	\$ 3.88
	16 x 8	Spiral Pipe	Galv Round Duct	26	1	38.74	6.25	0.0	1.613	0.02	\$ 47.41
	14 x 14	90° Gored Elbow	Galv Round Fittings	24	1	16.68	3.25	0.0	1.098	0.15	\$ 92.15
	16 x 16	90° Gored Elbow	Galv Round Fittings	24	1	21.08	3.64	0.0	1.253	0.15	\$ 123.96
	14 x 14	Variable Gored Elbow	Galv Round Fittings	24	4	36.04	7.48	0.0	3.954	0.6	\$ 220.36
	14 x 10 x 10	Concentric Reducer w/Collars	Galv Round Fittings	24	1	5.75	0.83	0.0	0.361	0.03	\$ 68.26
	16	Straight Conical Tap Tap-in W/Collar	Galv Round Fittings	24	1	4.58	0.83	0.0	0.516	0.03	\$ 58.83
	16 x 16	Duct	Galv Rect Duct	16	1	89.11	6.0	3.794	5.32	0.06	\$ 65.04
	14 x 12	Duct	Galv Rect Duct	24	1	4.17	0.42	1.155	0.59	0.01	\$ 7.29
	16 x 16	Duct	Galv Rect Duct	24	1	10.29	1.17	1.198	0.754	0.02	\$ 11.68
	14 x 12 x 14	Square To Round	Galv Rect Fittings	24	2	15.52	2.0	3.042	1.65	0.14	\$ 20.04
	16 x 16 x 16	Square To Round	Galv Rect Fittings	24	1	8.2	0.75	1.534	0.882	0.09	\$ 10.75
	18 x 20 x 14	Square To Round	Galv Rect Fittings	24	1	10.42	0.92	2.215	1.267	0.1	\$ 12.64
Rough-In		(SUBTOTAL)		24	428.41	80.28	12.938	34.874	1.6	\$ 928.46	
		(TOTAL)		26	428.41	94.28	12.96	35.702	1.6	\$1,018.92	

Attachment A(2)
(Sheetmetal Materials/Labor Breakdown)
FWS # 0807-227B

Qty	Size	Description	Unit	Material Price	Material Labor	Field Labor
ADD #3 (Level 4, Area 4)						
Drawing M1.04.4						
SAHU-4A System						
by Column Lines E and 6						
1	10" rd	Conical Tap, +4"wg		\$ 41.52	—	1.265
7'-4"	10" rd	Spiral Duct		\$ 35.51	—	2.216
1	10" rd	90 degrees Elbow		\$ 39.52	—	1.221
1'-2"	12x12	Square-to-Round Fitting		\$ 16.02	0.708	0.745
6'-0	12x12	Type 304 SS Duct		\$ 216.50	4.744	11.664
1	12x12	Humidifier #H-4-B	NSW	NSW	—	3.000
1	12x12	Fire/Smoke Damper #FSD-4-97	NSW	NSW	—	4.589
1'-6"	12x12	Straight Duct		\$ 21.08	0.453	0.732
0'-7"	12x12	Square-to-Round Fitting		\$ 12.86	0.450	0.522
1	10" rd	CAV-S4-60	Siemens	Siemens	—	4.000
0'-8"	14x12.5	Square-to-Round Fitting, +2"wg		\$ 13.08	0.457	0.541
0'-6"	14x12.5	Square-to-Round Fitting		\$ 14.08	0.534	0.611
2	14" rd	45 degrees Elbow		\$ 109.46	—	2.876
3'-8"	14" rd	Spiral Duct		\$ 17.45	—	0.975
1	14" rd	90 degrees Elbow		\$ 88.73	—	1.528
3'-9"	14" rd	Spiral Duct		\$ 18.36	—	1.012
1'-5"	14" rd	Off-Set 3"		\$ 50.47	—	1.337
3'-2"	14" rd	Spiral Duct		\$ 16.24	—	0.925
7'-0"	14" rd	Flexible Duct Thermaflex M-KE		\$ 38.89	—	2.099
22	1" x 18 ga	Hangers		\$ 44.00	0.237	10.175
22	3/8"	Wedge Anchors, KB-TZ		\$ 74.58	—	0.450
TOTAL				\$ 878.33	7.593	61.493

Sheet Metal Design Systems

CREDIT #4 (Level 4, Area 4)

Job: Highland Hospital Change Order Credits by Kevin
Job ID: 936

Bid Date: 0
Estimator:

	Hours		Costs	
QuoteExpress Shop Labor	10.5			
QuoteExpress Field Labor	23.0			
QuoteExpress Other Labor	0.8			
QuoteExpress Labor Hrs.	34.3			
Catalog Labor	0.0			
TOTAL LABOR COST				\$
QuoteExpress Materials			\$ 800.68	
Catalog Materials			\$ -	
Miscellaneous Input			\$ -	
			\$ -	
			\$ -	
Exhaust / Supply Fans			\$ -	
Air Handling Units			\$ -	
GRD'S			\$ -	
Fire Dampers / Smoke Dampers			\$ -	
			\$ -	
Spiral / Oval Pipe and Fittings			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL MATERIAL AND EQUIPMENT				\$ 800.68
Subcontracts			\$ -	
Duct Wrap			\$ -	
Controls			\$ -	
Balance			\$ -	
			\$ -	
TOTAL SUBCONTRACTS				\$ -
TOTAL DIRECT COSTS				\$ 800.68
Overhead On Labor	0.00%	\$	-	
Overhead On Material and Equipment	0.00%	\$	-	
Overhead On Subcontractors	0.00%	\$	-	
TOTAL OVERHEAD				\$ -
TOTAL DIRECT AND INDIRECT COSTS				\$ 800.68
Profit	0.00%	of Total Costs		\$ -
Performance Bond	0.00% of Total Bid			\$ -
Permit				\$ -
Total O&P Markup				\$ -
TOTAL BID				\$ 800.68

Highland Hospital Charge Order Credit by Month - Multiple Tables

Job :
Date:

QTY	DESCRIPTION	UNIT	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	TOTAL
5.00	RECTANGULAR		143.27	19.43														162.70
2.00	Duct		52.50	3.75														56.25
1.00	Sheet/Custom Duct		47.44	1.75														49.19
8.00	Fittings		39.48	5.59														45.07
11.00	SPIRAL/ROUND		183.83	23.80														207.63
1.00	Pipe		134.47	9.89														144.36
5.00	Fittings		41.16	5.88														47.04
0.00	DUAL		8.00	1.12														9.12
0.00	Pipe		0.00	0.00														0.00
0.00	Fittings		0.00	0.00														0.00
3.00	ACCESSORY ITEMS		0.00	0.00														0.00
0.00	CATALOG ITEMS		0.00	0.00														0.00
TOTALS																		
Sheet count of components above:																		

0.00	TRUCK/SPIDER		0.00	0.00														0.00
0.00	Duct		0.00	0.00														0.00
0.00	Sheet/Custom Duct		0.00	0.00														0.00
0.00	Fittings		0.00	0.00														0.00
0.00	SPIRAL/ROUND		0.00	0.00														0.00
0.00	Pipe		0.00	0.00														0.00
0.00	Fittings		0.00	0.00														0.00
0.00	DUAL		0.00	0.00														0.00
0.00	Pipe		0.00	0.00														0.00
0.00	Fittings		0.00	0.00														0.00
0.00	ACCESSORY		0.00	0.00														0.00
0.00	CATALOG		0.00	0.00														0.00
TOTALS																		
Sheet count of components above:																		

0.00	WRAP		0.00	0.00														0.00
0.00	TRUCK/SPIDER		0.00	0.00														0.00
0.00	Duct		0.00	0.00														0.00
0.00	Sheet/Custom Duct		0.00	0.00														0.00
0.00	Fittings		0.00	0.00														0.00
0.00	SPIRAL/ROUND		0.00	0.00														0.00
0.00	Pipe		0.00	0.00														0.00
0.00	Fittings		0.00	0.00														0.00
0.00	DUAL		0.00	0.00														0.00
0.00	Pipe		0.00	0.00														0.00
0.00	Fittings		0.00	0.00														0.00
0.00	ACCESSORY		0.00	0.00														0.00
0.00	CATALOG		0.00	0.00														0.00
TOTALS																		
Sheet count of components above:																		

DetailSM

Company: Highland Hospital Change Order Credits by Kerwin
 JobName: I4-M1.04.4 CREDITS]

0
 Run Date: 03/06/14 @ 08:31
 Sort Key: By Zone/Phase

Zone	Phase	Material	Qty	Total Lbs.	Total Feet	Total Fab	Total Install	Total Other	Total Material	
I4-M1.04.4 CREDITS	Finish	10 x 7 Flex 2 THERMAFLEX	1	0.0	7.0	0.011	0.454	0.0	\$ 31.73	
		14 x 7 Flex 2 THERMAFLEX	1	0.0	7.0	0.011	0.514	0.0	\$ 45.23	
		16 x 7 Flex 2 THERMAFLEX	1	0.0	7.0	0.011	0.62	0.0	\$ 53.70	
		(SUBTOTAL)	3	0.0	21.0	0.033	1.588	0.0	\$130.66	
I4-M1.04.4 CREDITS	Rough-In	10 x 5 Spiral Pipe Galv Round Duct	26	15.31	5.5	0.0	1.248	0.02	\$ 15.90	
		14 x 12 Spiral Pipe Galv Round Duct	26	48.05	12.33	0.0	2.972	0.04	\$ 57.16	
		14 x 4 Spiral Pipe Galv Round Duct	26	19.16	4.92	0.0	1.506	0.02	\$ 20.06	
		16 x 1 Spiral Pipe Galv Round Duct	26	8.54	1.92	0.0	1.813	0.02	\$ 11.53	
		18 x 7 Spiral Pipe Galv Round Duct	26	33.4	7.5	0.0	1.813	0.02	\$ 43.16	
		16 x 16 90° Gored Elbow Galv Round Fittings	24	21.06	3.64	0.0	1.253	0.15	\$123.96	
		10 Straight Conical Tap Tap-in W/Collar Galv Round Fittings	24	3.03	0.33	0.0	0.585	0.03	\$ 40.09	
		14 Straight Conical Tap Tap-in W/Collar Galv Round Fittings	24	12.39	0.51	0.0	1.545	0.09	\$165.64	
		16 Straight Conical Tap Tap-in W/Collar Galv Round Fittings	24	4.66	0.08	0.0	0.815	0.03	\$ 59.83	
		22 x 7 Duct Galv Rect Duct	24	102.74	16.0	4.132	2.878	0.06	\$ 85.38	
		18 x 20 x 14 Square To Round Galv Rect Fittings	24	21.72	2.0	4.438	2.534	0.2	\$ 25.68	
		22 x 7 x 2 End Cap Galv Rect Fittings	24	17.76	0.0	1.858	2.888	0.12	\$ 30.64	
			(SUBTOTAL)	19	307.85	54.73	10.426	21.45	0.8	\$670.02
			(TOTAL)	22	307.85	75.73	10.458	23.038	0.8	\$800.88

Sheet Metal Design Systems

CREDIT #6 (Level 4, Area 4)

Job: Highland Hospital Change Order Credits by Kervin
Job ID: 930

Bid Date: 0
Estimator:

	Hours		Costs	
QuoteExpress Shop Labor	3.5			
QuoteExpress Field Labor	4.6			
QuoteExpress Other Labor	0.1			
QuoteExpress Labor Hrs.	8.2			
Catalog Labor	0.0			
TOTAL LABOR COST				
QuoteExpress Materials			\$ 150.33	
Catalog Materials			\$ -	
Miscellaneous Input			\$ -	
			\$ -	
			\$ -	
Exhaust / Supply Fans			\$ -	
Air Handling Units			\$ -	
GRDS			\$ -	
Fire Dampers / Smoke Dampers			\$ -	
			\$ -	
Spiral / Oval Pipe and Fittings			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL MATERIAL AND EQUIPMENT				\$ 150.33
Subcontracts			\$ -	
Duct Wrap			\$ -	
Controls			\$ -	
Balance			\$ -	
			\$ -	
TOTAL SUBCONTRACTS				\$ -
TOTAL DIRECT COSTS				\$ 150.33
Overhead On Labor	0.00%		\$ -	
Overhead On Material and Equipment	0.00%		\$ -	
Overhead On Subcontractors	0.00%		\$ -	
TOTAL OVERHEAD				\$ -
TOTAL DIRECT AND INDIRECT COSTS				\$ 150.33
Profit	0.00%	of Total Costs	\$ -	
Performance Bond	0.00%	of Total Bid	\$ -	
Permit			\$ -	
Total O&P Markup:			\$ -	
TOTAL BID				\$ 150.33

Highland Hospital Bridge Deck Credits by Vendor - Multiple Entries - 10-14-61 (M.C.) Estimate

QTY	DESCRIPTION	UNIT	PRICE	AMOUNT	TOTAL	PERCENTAGE	AMOUNT
1.00	RECTANGULAR		1.52	1.52	0.00	0.00	18.47
0.00	Duct		0.00	0.00	0.00	0.00	-
0.00	Subst/Custom duct		0.00	0.00	0.00	0.00	-
1.00	Fittings		1.00	1.00	0.00	0.00	10.47
3.00	SPRAL/ROUND		87.24	261.72	3.25	0.00	94.83
2.00	Pipe		26.13	52.26	2.04	0.00	24.88
1.00	Fittings		3.00	3.00	0.13	0.00	10.00
0.00	CVSL		0.00	0.00	0.00	0.00	-
0.00	Pipe		0.00	0.00	0.00	0.00	-
0.00	Fittings		0.00	0.00	0.00	0.00	-
1.00	ACCESSORY ITEMS		0.00	0.00	0.00	0.00	0.00
0.00	CATALOG ITEMS		0.00	0.00	0.00	0.00	0.00
TOTALS			1.52	261.72	5.29	0.00	100.00

Grand total of separate items

0.00	LINER		0.00	0.00	0.00	0.00	-
0.00	Rectangular		0.00	0.00	0.00	0.00	-
0.00	Duct		0.00	0.00	0.00	0.00	-
0.00	Subst/Custom duct		0.00	0.00	0.00	0.00	-
0.00	Fittings		0.00	0.00	0.00	0.00	-
0.00	Spiral/Round		0.00	0.00	0.00	0.00	-
0.00	Pipe		0.00	0.00	0.00	0.00	-
0.00	Fittings		0.00	0.00	0.00	0.00	-
0.00	Duct		0.00	0.00	0.00	0.00	-
0.00	Pipe		0.00	0.00	0.00	0.00	-
0.00	Fittings		0.00	0.00	0.00	0.00	-
0.00	Accessory		0.00	0.00	0.00	0.00	-
0.00	Catalog		0.00	0.00	0.00	0.00	-
0.00	WRAP		0.00	0.00	0.00	0.00	-
0.00	Rectangular		0.00	0.00	0.00	0.00	-
0.00	Duct		0.00	0.00	0.00	0.00	-
0.00	Subst/Custom Duct		0.00	0.00	0.00	0.00	-
0.00	Fittings		0.00	0.00	0.00	0.00	-
0.00	Spiral/Round		0.00	0.00	0.00	0.00	-
0.00	Pipe		0.00	0.00	0.00	0.00	-
0.00	Fittings		0.00	0.00	0.00	0.00	-
0.00	Duct		0.00	0.00	0.00	0.00	-
0.00	Pipe		0.00	0.00	0.00	0.00	-
0.00	Fittings		0.00	0.00	0.00	0.00	-
0.00	Accessory		0.00	0.00	0.00	0.00	-
0.00	Catalog		0.00	0.00	0.00	0.00	-
0.00	JOINT		0.00	0.00	0.00	0.00	3.71

DetailSM

Company: Highland Hospital Change Order Credits by Kerwin
 JobName: I4-M1.04.4 CREDITS []

Run Date: 03/05/14 @ 08:33
 Sort Key: By Zone/Phase

Zone	Phase	Material	Ga	Qty	Total Lbs.	Total Feet	Total Fab	Total Install	Total Other	Total Material	
I4-M1.04.4 CREDITS	Finish										
	14 x 7	Flex 2 THERMAFLEX		1	0.0	7.0	0.011	0.514	0.0	\$ 46.23	
Finish		(SUBTOTAL)		1	0.0	7.0	0.011	0.514	0.0	\$ 46.23	
I4-M1.04.4 CREDITS	Rough-In										
	10 x 10	Spiral Pipe	Galv Round Duct	26	1	27.83	10.0	0.0	1.038	0.02	\$ 27.23
	14 x 6	Spiral Pipe	Galv Round Duct	26	1	26.3	6.75	0.0	1.806	0.02	\$ 27.32
	10	Straight Conical Tap Tap-in W/Collar	Galv Round Fittings	24	1	3.03	1.33	0.0	0.586	0.03	\$ 40.08
	14 x 14 x 14	Square To Round	Galv Rect Fittings	24	1	8.25	1.0	1.522	0.826	0.07	\$ 10.47
Rough-In		(SUBTOTAL)		4	65.41	19.08	1.522	4.056	0.14	\$106.10	
		(TOTAL)		5	65.41	26.08	1.533	4.569	0.14	\$150.33	

DetailSM

Company: Oakland Highland ACT 0907-227B
 JobName: ADD #7

0
 Run Date: 03/08/14 @ 09:32
 Sort Key: By Zone/Phase

Zone	Phase	Material	Gr	Qty	Total Lbs.	Total Feet	Total Fab	Total Install	Total Other	Total Material	
ADD #7 Drawing M1.04.4	Finish										
	24 x 24 x 10	GRD - Diffuser - Lay In		2	0.0	0.0	0.0	1.53	0.0	\$ 2.52	
	10 x 7	Flex 2 THERMAFLEX		2	0.0	14.0	0.022	1.384	0.0	\$ 63.48	
Finish		(SUBTOTAL)		4	0.0	14.0	0.022	2.894	0.0	\$ 65.98	
ADD #7 Drawing M1.04.4	Rough-In										
	10 x 1	Spiral Pipe	Galv Round Duct	26	2	8.22	2.0	0.022	4.668	0.04	\$ 8.74
	10 x 3	Spiral Pipe	Galv Round Duct	28	1	10.61	3.33	0.011	2.434	0.02	\$ 10.94
	12 x 6	Spiral Pipe	Galv Round Duct	28	1	21.65	6.08	0.011	2.444	0.02	\$ 21.97
	12 x 7	Spiral Pipe	Galv Round Duct	28	1	27.77	7.92	0.011	2.444	0.02	\$ 28.09
	12 x 12	90° Gored Elbow	Galv Round Fittings	24	1	14.12	2.68	0.011	2.039	0.12	\$ 76.85
	10 x 10	Variable Gored Elbow	Galv Round Fittings	24	2	13.78	2.98	0.022	3.742	0.2	\$ 79.40
	12 x 10 x 10	Concentric Reducer w/Coilars	Galv Round Fittings	24	1	8.81	0.83	0.011	1.094	0.03	\$ 58.07
	10	Round Volume Damper	Galv Round Fittings	24	2	1.412	0.0	0.0	1.62	0.04	\$ 71.94
	10	Straight Lateral Tap Tap-In W/Coilars	Galv Round Fittings	24	1	5.28	0.0	0.011	1.484	0.02	\$ 41.48
	12 x 10	Duct	Galv Rect Duct	24	1	19.33	3.92	0.858	1.981	0.01	\$ 15.79
	12 x 10 x 12	Square To Round	Galv Rect Fittings	24	1	5.5	1.0	1.204	1.254	0.06	\$ 4.74
	12 x 10 x 8	Angle Tap In	Galv Rect Fittings	24	1	5.5	0.83	0.858	0.938	0.06	\$ 4.47
Rough-In		(SUBTOTAL)		15	139.782	31.73	2.73	28.322	0.64	\$422.48	
		(TOTAL)		19	139.782	45.73	2.752	29.216	0.64	\$488.44	

Sheet Metal Design Systems

CREDIT #8 (Level 4, Area 4)

Job: Highland Hospital Change Order Credits by Kevin
 Job ID: 930

Bid Date: 0
 Estimator:

	Hours	Costs	
QuoteExpress Shop Labor	4.4		
QuoteExpress Field Labor	4.7		
QuoteExpress Other Labor	0.3		
QuoteExpress Labor Hrs.	9.4	\$	
Catalog Labor	0.0	\$	
TOTAL LABOR COST			\$
QuoteExpress Materials		\$	81.27
Catalog Materials		\$	
Miscellaneous Input		\$	
		\$	
		\$	
Exhaust / Supply Fans		\$	
Air Handling Units		\$	
GRD'S		\$	
Fire Dampers / Smoke Dampers		\$	
		\$	
Spiral / Oval Pipe and Fittings		\$	
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	
		\$	
TOTAL MATERIAL AND EQUIPMENT			\$
Subcontracts		\$	
Duct Wrap		\$	
Controls		\$	
Balance		\$	
		\$	
TOTAL SUBCONTRACTS			\$
TOTAL DIRECT COSTS			\$
Overhead On Labor	0.00%	\$	
Overhead On Material and Equipment:	0.00%	\$	
Overhead On Subcontractors:	0.00%	\$	
TOTAL OVERHEAD			\$
TOTAL DIRECT AND INDIRECT COSTS			\$
Profit	0.00%	of Total Costs	\$
Performance Bond:	0.00%	of Total Bid	\$
Permit			\$
Total O&P Markup:	5		
TOTAL BID			\$

Sheet Metal Design Systems

ADD #7 (M1.04.4)

Job: Oakland Highland ACT 0907-227B
Job ID: 920

Bid Date: 41703
Estimator:

	Hours		Costs	
QuoteExpress Shop Labor	52.8			
QuoteExpress Field Labor	29.2			
QuoteExpress Other Labor	0.6			
<i>QuoteExpress Labor Hrs.</i>	82.6			
Catalog Labor	0.0			
TOTAL LABOR COST				
QuoteExpress Materials				
Catalog Materials				
Miscellaneous Input				
			\$ -	
			\$ -	
Exhaust / Supply Fans			\$ -	
Air Handling Units			\$ -	
GRD'S			\$ -	
Fire Dampers / Smoke Dampers			\$ -	
			\$ -	
Spiral / Oval Pipe and Fittings			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL MATERIAL AND EQUIPMENT				
Subcontracts			\$ -	
Duct Wrap			\$ -	
Controls			\$ -	
Balance			\$ -	
			\$ -	
TOTAL SUBCONTRACTS				
TOTAL DIRECT COSTS				
Overhead On Labor	0.00%		\$ -	
Overhead On Material and Equipment	0.00%		\$ -	
Overhead On Subcontractors	0.00%		\$ -	
TOTAL OVERHEAD				
TOTAL DIRECT AND INDIRECT COSTS				
Profit	0.00%	of Total Costs	\$ -	
Performance Bond:	0.00%	of Total Bid	\$ -	
Permit:			\$ -	
Total O&P Markup:			\$ -	
TOTAL BID				

QTY	DESCRIPTION	UNIT	PRICE	TOTAL	QTY	PRICE	TOTAL
2.00	RECTANGULAR		20.32	40.64	4.75	8.53	40.64
0.00	Chairs		0.00	0.00	0.00	0.00	0.00
1.00	Staircase/Customs Duct		19.32	19.32	1.00	0.01	19.33
2.00	Fittings		11.80	23.60	1.70	0.12	23.72
12.00	SPECIAL/RUN/END		109.43	1313.16	22.77	0.01	1313.17
0.00	Pipe		0.00	0.00	18.10	0.13	18.23
7.00	Fittings		41.16	288.12	0.00	0.00	288.12
0.00	OVAL		0.00	0.00	0.00	0.00	0.00
0.00	Pipe		0.00	0.00	0.00	0.00	0.00
0.00	Fittings		0.00	0.00	0.00	0.00	0.00
0.00	ACCESSORY ITEMS		0.00	0.00	0.00	0.00	0.00
0.00	CATALOG ITEMS		0.00	0.00	0.00	0.00	0.00
0.00	WELDER		0.00	0.00	0.00	0.00	0.00
0.00	Fluoropolymer		0.00	0.00	0.00	0.00	0.00
0.00	Duct		0.00	0.00	0.00	0.00	0.00
0.00	Ballast/Custom duct		0.00	0.00	0.00	0.00	0.00
0.00	Fittings		0.00	0.00	0.00	0.00	0.00
0.00	Spiral/Round		0.00	0.00	0.00	0.00	0.00
0.00	Pipe		0.00	0.00	0.00	0.00	0.00
0.00	Fittings		0.00	0.00	0.00	0.00	0.00
0.00	Pipe		0.00	0.00	0.00	0.00	0.00
0.00	Fittings		0.00	0.00	0.00	0.00	0.00
0.00	Accessory		0.00	0.00	0.00	0.00	0.00
0.00	Cabling		0.00	0.00	0.00	0.00	0.00
0.00	WELDER		0.00	0.00	0.00	0.00	0.00
0.00	Fluoropolymer		0.00	0.00	0.00	0.00	0.00
0.00	Duct		0.00	0.00	0.00	0.00	0.00
0.00	Ballast/Custom duct		0.00	0.00	0.00	0.00	0.00
0.00	Fittings		0.00	0.00	0.00	0.00	0.00
0.00	Spiral/Round		0.00	0.00	0.00	0.00	0.00
0.00	Pipe		0.00	0.00	0.00	0.00	0.00
0.00	Fittings		0.00	0.00	0.00	0.00	0.00
0.00	Oval		0.00	0.00	0.00	0.00	0.00
0.00	Pipe		0.00	0.00	0.00	0.00	0.00
0.00	Fittings		0.00	0.00	0.00	0.00	0.00
0.00	Accessory		0.00	0.00	0.00	0.00	0.00
0.00	Cabling		0.00	0.00	0.00	0.00	0.00
0.00	JOINT		0.00	0.00	0.15	0.00	0.15

Grand Total of Supplemental Items:

0.00	WELDER		0.00	0.00	0.00	0.00	0.00
0.00	Fluoropolymer		0.00	0.00	0.00	0.00	0.00
0.00	Duct		0.00	0.00	0.00	0.00	0.00
0.00	Ballast/Custom duct		0.00	0.00	0.00	0.00	0.00
0.00	Fittings		0.00	0.00	0.00	0.00	0.00
0.00	Spiral/Round		0.00	0.00	0.00	0.00	0.00
0.00	Pipe		0.00	0.00	0.00	0.00	0.00
0.00	Fittings		0.00	0.00	0.00	0.00	0.00
0.00	Pipe		0.00	0.00	0.00	0.00	0.00
0.00	Fittings		0.00	0.00	0.00	0.00	0.00
0.00	Accessory		0.00	0.00	0.00	0.00	0.00
0.00	Cabling		0.00	0.00	0.00	0.00	0.00
0.00	WELDER		0.00	0.00	0.00	0.00	0.00
0.00	Fluoropolymer		0.00	0.00	0.00	0.00	0.00
0.00	Duct		0.00	0.00	0.00	0.00	0.00
0.00	Ballast/Custom duct		0.00	0.00	0.00	0.00	0.00
0.00	Fittings		0.00	0.00	0.00	0.00	0.00
0.00	Spiral/Round		0.00	0.00	0.00	0.00	0.00
0.00	Pipe		0.00	0.00	0.00	0.00	0.00
0.00	Fittings		0.00	0.00	0.00	0.00	0.00
0.00	Oval		0.00	0.00	0.00	0.00	0.00
0.00	Pipe		0.00	0.00	0.00	0.00	0.00
0.00	Fittings		0.00	0.00	0.00	0.00	0.00
0.00	Accessory		0.00	0.00	0.00	0.00	0.00
0.00	Cabling		0.00	0.00	0.00	0.00	0.00
0.00	JOINT		0.00	0.00	0.15	0.00	0.15

Detail/SM

Company: Highland Hospital Change Order Credits by Kerwin
 JobName: 14-M1.04.4 CREDITS []

0

Run Date: 03/08/14 @ 08:38
 Sort Key: By Zone/Phase

Zone	Phase	Material	GA	Qty	Total Lbs.	Total Feet	Total Fab	Total Install	Total Other	Total Material	
14-M1.04.4 CREDITS	Rough-in										
	16 x 14	Duct	Galv Rect Duct	24	1	77.23	12.33	2.216	3.213	0.05	\$ 56.82
	16 x 14 x 14	Variable Radius Elbow	Galv Rect Fittings	24	1	13.70	1.74	1.073	0.706	0.07	\$ 14.05
	16 x 14	Transition 2 Way	Galv Rect Fittings	24	1	8.3	1.0	1.102	0.797	0.13	\$ 10.40
Rough-in		(SUBTOTAL)			3	99.32	15.07	4.39	4.718	0.25	\$ 81.27
		(TOTAL)			3	99.32	15.07	4.39	4.718	0.25	\$ 81.27

Sheet Metal Design Systems

ADD #8 (M1.04.4)

Job: Oakland Highland ACT 0907-227B
Job ID: 920

Bid Date: 41703
Estimator:

	Hours		Costs	
QuoteExpress Shop Labor	11.00			
QuoteExpress Field Labor	0.00			
QuoteExpress Other Labor	0.00			
QuoteExpress Labor Hrs.	11.00			
Catalog Labor	0.00			
TOTAL LABOR COST				
QuoteExpress Materials				
Catalog Materials				
Miscellaneous Input				
			\$ -	
			\$ -	
Exhaust / Supply Fans			\$ -	
Air Handling Units			\$ -	
GRD'S			\$ -	
Fire Dampers / Smoke Dampers			\$ -	
			\$ -	
Spiral / Oval Pipe and Fittings			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL MATERIAL AND EQUIPMENT				
Subcontracts			\$ -	
Duct Wrap			\$ -	
Controls			\$ -	
Balance			\$ -	
			\$ -	
TOTAL SUBCONTRACTS				
TOTAL DIRECT COSTS				
Overhead On Labor	0.00%		\$ -	
Overhead On Material and Equipment	0.00%		\$ -	
Overhead On Subcontractors	0.00%		\$ -	
TOTAL OVERHEAD				
TOTAL DIRECT AND INDIRECT COSTS				
Profit	0.00%	of Total Costs	\$ -	
Performance Bond:	0.00%	of Total Bid	\$ -	
Permit:			\$ -	
Total O&P Markup:			\$ -	
TOTAL BID				

Details

Company: Oakland Highland ACT 0907-2278
 JobName: ADD #17

0
 Run Date: 03/05/14 @ 09:58
 Sort Key: By Zone/Phase

Zone	Phase	Material	Qty	Total Lbs.	Total Feet	Total Fab	Total Install	Total Other	Total Material
ADD #17 Drawing M1.04.4	Finish								
	14 x 24 x 24	GRD - Grill - Lay In	1	0.0	0.0	0.0	0.0	0.0	\$ -
	8 x 24 x 24	GRD - Grill - Lay In	3	0.0	0.0	0.0	2.7	0.0	\$ -
	8 x 24 x 24	GRD - Grill - Lay In	1	0.0	0.0	0.0	0.8	0.0	\$ -
	24 x 24 x 14	GRD - Diffuser - Lay In	1	0.0	0.0	0.0	0.8	0.0	\$ 1.70
	14 x 7	Flex 2 THERMAFLEX	2	0.0	14.0	0.022	1.544	0.0	\$ 90.48
	8 x 7	Flex 2 THERMAFLEX	3	0.0	21.0	0.033	2.048	0.0	\$ 80.31
	8 x 7	Flex 2 THERMAFLEX	1	0.0	7.0	0.011	0.882	0.0	\$ 31.73
Finish		(SUBTOTAL)	12	0.0	42.0	0.066	9.572	0.0	\$ 204.20
ADD #17 Drawing M1.04.4	Rough-In								
	14 x 2	Spiral Pipe	28	11.07	2.5	0.011	2.971	0.02	\$ 11.82
	14 x 8	Spiral Pipe	26	38.7	9.25	0.022	3.533	0.02	\$ 39.49
	6 x 1	Spiral Pipe	26	3.69	1.42	0.011	2.009	0.02	\$ 3.75
	6 x 1	Spiral Pipe	26	4.25	1.75	0.011	2.009	0.02	\$ 4.31
	8 x 2	Spiral Pipe	26	5.36	2.42	0.011	2.009	0.02	\$ 5.42
	8 x 3	Spiral Pipe	26	6.34	3.0	0.011	2.009	0.02	\$ 6.40
	6 x 1	Spiral Pipe	26	5.41	1.83	0.011	2.424	0.02	\$ 5.87
	8 x 2	Spiral Pipe	26	7.82	2.92	0.011	2.424	0.02	\$ 8.15
	8 x 2	Spiral Pipe	26	6.16	2.17	0.011	2.424	0.02	\$ 6.43
	8 x 4	Spiral Pipe	26	12.09	4.83	0.011	2.424	0.02	\$ 12.53
	14 x 14	90° Gored Elbow	24	36.0	6.5	0.022	4.412	0.3	\$ 186.56
	8 x 6	90° Gored Elbow	24	10.86	3.36	0.022	3.434	0.2	\$ 96.62
	6 x 6	90° Gored Elbow	24	23.58	6.21	0.033	6.057	0.3	\$ 157.81
	14 x 14	Variable Gored Elbow	24	43.26	7.48	0.044	8.198	0.8	\$ 224.88
	8 x 6	Variable Gored Elbow	24	10.58	2.58	0.022	3.722	0.2	\$ 70.52
	14	Round Volume Damper	24	2.788	0.0	0.0	1.98	0.04	\$ 87.42
	6	Round Volume Damper	24	0.782	0.0	0.0	1.755	0.08	\$ 88.82
	8	Round Volume Damper	24	0.452	0.0	0.0	0.875	0.02	\$ 30.85
	14	Straight Tap Tap-in W/O Colar	24	4.84	0.17	0.011	1.439	0.02	\$ 58.90

DetailB/M

Zone	Phase	Material	Qty	Total Lbs.	Total Feet	Total Fab	Total Install	Total Other	Total Material		
	14	Straight Conical Tap Tap-In W/Collar	Galv Round Fittings	24	1	5.46	0.0	0.011	1.484	0.03	\$ 53.02
	6	Straight Conical Tap Tap-In W/Collar	Galv Round Fittings	24	3	8.75	0.0	0.033	3.711	0.09	\$ 92.81
	8	Straight Conical Tap Tap-In W/Collar	Galv Round Fittings	24	1	3.81	0.0	0.011	1.438	0.03	\$ 35.56
	14 x 12	Duct	Galv Rect Duct	24	1	70.01	12.83	2.232	4.859	0.05	\$ 63.36
	14 x 12	Duct	Galv Rect Duct	24	1	28.76	4.82	0.585	1.8	0.02	\$ 20.80
	14 x 12	Duct	Galv Rect Duct	24	1	28.08	5.06	1.55	2.958	0.03	\$ 22.58
	20 x 14	Duct	Galv Rect Duct	24	1	20.7	2.5	1.244	2.042	0.02	\$ 20.88
	20 x 14	Duct	Galv Rect Duct	24	1	45.45	5.92	1.977	3.039	0.06	\$ 42.15
	24 x 24	Duct	Galv Rect Duct	24	1	48.32	4.57	0.884	1.529	0.04	\$ 38.02
	14 x 14 x 12	90° Radius Elbow	Galv Rect Fittings	24	1	17.7	2.82	1.054	2.319	0.13	\$ 16.17
	31 x 10 x 14	Variable Radius Elbow	Galv Rect Fittings	22	1	38.02	3.44	1.718	2.128	0.1	\$ 30.46
	20 x 14	Transition 2 Way	Galv Rect Fittings	22	1	19.48	1.5	1.757	2.55	0.15	\$ 17.27
	14 x 12	Transition 2 Way	Galv Rect Fittings	24	1	12.81	2.08	1.036	1.216	0.13	\$ 8.80
	14 x 12 x 40	Radius Offset	Galv Rect Fittings	24	1	21.84	3.33	1.168	2.283	0.13	\$ 18.05
	14 x 12 x 42	Radius Offset	Galv Rect Fittings	24	1	22.85	3.5	1.218	2.283	0.13	\$ 18.63
	20 x 14 x 48	Radius Offset	Galv Rect Fittings	24	1	33.18	3.83	1.436	2.29	0.15	\$ 29.51
	14 x 12 x 8	Angle Tap In	Galv Rect Fittings	24	1	8.32	0.83	0.558	0.945	0.07	\$ 5.13
	20 x 14 x 24	Angle Tap In	Galv Rect Fittings	24	1	25.48	2.17	1.077	0.952	0.09	\$ 21.89
	20 x 14 x 8	Angle Tap In	Galv Rect Fittings	24	1	8.68	0.83	0.848	0.952	0.09	\$ 11.48
	14 x 12 x 2	End Cap	Galv Rect Fittings	24	1	2.9	0.0	0.283	0.8	0.03	\$ 2.81
	20 x 14 x 2	End Cap	Galv Rect Fittings	24	2	12.1	0.0	0.984	1.95	0.06	\$ 18.04
Rough-in		(SUBTOTAL)		54		713.742	118.74	21.822	99.835	3.57	\$1,894.15
		(TOTAL)		66		713.742	160.74	21.988	109.307	3.57	\$1,898.35

Job ID: DT124
 Project: Highland Hospital

Added humidifier, DP Monitor and VAV changes.



CO: CO-0010: DAL ACT 010 - ACD-14-633

CO Report

10 Mar 2014

Description	Amount	Subtotal
Material		
Estimated Material	545.05	
Material Adjustment	0.00	
Material Total:		545.05
Labor		
Direct Labor Hours	47.87	
Labor Dollars	4,691.53	
Indirect Labor	1,080.00	
Labor Escalation	0.00	
Labor Adjustments	0.00	
Labor Total:		5,771.53
SubContracts		
SIEMENS		
[no vendor name]	30,000.00	
SIEMENS Total:	30,000.00	
SubContract Adjustments	0.00	
SubContracts Total:		30,000.00
Direct Job Costs		
Estimated DJC	0.00	
DJC Adjustments	0.00	
Direct Job Costs Total:		0.00
Taxes		
Material Tax (9.0000%)	49.05	
Quote Tax (9.0000%)	0.00	
Labor Tax (0.0000%)	0.00	
Equipment Tax (9.0000%)	0.00	
SubContract Tax (0.0000%)	0.00	
Taxes Total:		49.05
Pre-Overhead and Profit Subtotal:		36,365.64
Overhead		
Material Overhead (12.00% markup)	71.29	
Quotes Overhead (12.00% markup)	0.00	
Labor Overhead (12.00% markup)	692.58	
Equipment Overhead (12.00% markup)	0.00	
SubContracts Overhead (2.00% markup)	600.00	
DJC Overhead (12.00% markup)	0.00	
Overhead Total:		1,363.88

DAL TECHNOLOGY, INC.	8105 Edgewater Dr. Suite 202	Phone: (510)273-2425 Web:
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Profit

Material Profit (0.00% markup)	0.00
Quotes Profit (0.00% markup)	0.00
Labor Profit (0.00% markup)	0.00
Equipment Profit (0.00% markup)	0.00
SubContracts Profit (0.00% markup)	0.00
OJC Profit (0.00% markup)	0.00

Profit Total:	0.00
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Miscellaneous

Job Tax (0.00%)	0.00
Bond (0.00%)	0.00

Miscellaneous Total:	0.00
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Bid Total:	<u>37,729.52</u>
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Job ID: DT124
 Project: Highland Hospital



DAL Technology, Inc.

CO: CO-0010: DAL ACT 010 - ACD-14-033

Takeoff

18 MAR 2014

Item #	Qty	U/M	Q/M	Shor	Description	Material Unit	Material Result	Labor Unit	Labor Result
B									
ISOLATION UNIT									
5	1	EA	M		REMOTE ALARM	0.0000	0.470	1.5000	1.51
150041	2	EA	M	2-1/8" D 30.3-CI	4" SQ CMB-KO MC BRKT	1.4623	2.92	0.4000	0.80
160003	2	EA	M		4" SQ CMB-KO MC BRKT	1.4623	2.92	0.4000	0.80
160060	4	PA	M	#10 x 1"	TEX SCREW	6.7200	31.88	0.0160	0.14
160090	2	EA	M		4" SQ PLANK CMB	0.0000	0.000	0.0000	0.00
100055	2	EA	M	#12	PIGTAIL W/GND SCREW	0.4873	0.97	0.0800	0.16
100067	4	EA	M	#18-10	WIRE MESH	0.1354	0.54	0.0400	0.17
130271	1	EA	M	2-1/2" O 47.8-CI	36 METAL SW-BOX CMB-KO PM BRKT	55.8149	55.81	0.3500	0.35
6	40	LF	M		TUBING	1.0000	40.00	0.0600	2.40
7	100	LF	M	1-1/2	POWER CABLE	0.5300	53.00	0.0500	5.00
840327	10	EA	M	90/CAT5E 50/CATS	1" 2-HOOK UTP/FIBER/1/8-WTAE OR ROG	9.8900	98.90	0.1700	1.70
100047	20	FT	M	3/4	EMT	0.3322	6.64	0.0698	1.40
100052	2	EA	M	3/4	EMT	0.0000	0.000	0.0000	0.00
30362	8	EA	M	3/4	EMT STEEL SS INS-THROAT CONNECTOR	0.3648	2.92	0.1500	1.20
100065	1	EA	M	3/4	COND PLST IN FIB TO SCREEN ON 4" DIA W/AL	1.1554	1.16	0.3700	0.30
160088	4	EA	M	#10 x 1"	TEX SCREW	6.7200	32.88	0.0360	0.14
100066	20	EA	M		WIRE TERMINATION CRT	0.0000	0.000	0.0000	0.00
C									
REINFORCERS									
100057	10	FT	M	3/4	EMT	0.3322	3.32	0.0698	0.70

DAL TECHNOLOGY, INC
 8105 Edgewater Dr.
 Suite 202

Phone: (510)273-2423
 Web:

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
30362	4	EA	M	3/4"	EMT STEEL SS INS-THROAT CONNECTOR	0.3548	1.46	0.1500	0.60
150060	3	EA	M	1/4"	COND RESIST W/GRND SCREW ON STUD WALL	0.1533	0.46	0.1750	0.70
150060	3	EA	M	#10 x 1"	TEK SCREW	8.2200	24.66	0.0380	0.11
150041	1	EA	M	2-1/8" O 30.3-CL	4"SQ CMB-KD NO BKKT	1.4623	1.46	0.4000	0.40
100800	1	EA	M	#10 x 1"	4-54 HGR SCREW TO STUD WALL	0.6394	0.64	0.1500	0.15
100800	1	EA	M	#10 x 1"	TEK SCREW	8.2200	16.44	0.0360	0.07
100090	1	EA	M		ISO BANK CVR	0.4246	0.42	0.1000	0.10
100096	1	EA	M	#12	PIGTAIL W/GRD SCREW	0.4873	0.49	0.0800	0.08
100097	1	EA	M	#12	WIRE NOT USED	0.0000	0.00	0.0420	0.00
9	200	LF	M		HUMIDIFIER CABLE	0.5000	100.00	0.0500	10.00
100165	20	EA	M	18	WIRE TERMINATION LBR	0.0000	0.00	0.1900	3.60
Phase Totals:							545.05		47.87
Job Totals:							545.05		47.87

DAL TECHNOLOGY, INC	8105 Edgewater Dr, Suite 202	Phone: (510)273-1435 Web:
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Bryant Fields

From: Britton, Bill [bill.britton@siemens.com]
Sent: Thursday, March 6, 2014 3:22 PM
To: Joe Meyer; 'Dave Fahy'; Bryant Fields
Subject: ACD-14-033 ROM Pricing

Joe/Dave,

ROM as follows:

1 - 14-M5-24 - \$18,400

- VAV-S4-24 - (ZCU) Programming changes for minimum CFM from 175 to 230
- CAV-S4-25 - (AV) Sizing changed from a triple 10" to a Single 12"
- CAV-S4-26 - (AV) Sizing changed from a single 10" to a Dual 12"
- CAV-S4-27 - (AV) Sizing changed from a single 12" to a dual 12"
- CAV-S4-S5 - (ZCU) Programming changes for CFM from 665 to 755
- CAV-S4-60 - (AV) Sizing changed from a 12" to a 10"
- CAV-E4-25 - (AV) Sizing changed from a dual 12" to a single 12"
- CAV-E4-26 - (AV) Sizing changed from a single 10" to a 12"
- CAV-E4-27 - (AV) Sizing changed from a single 10" to a triple 10"
- CAV-E4-60 - (AV) Add a single 10" (remove 60A & 60B)

2 - 14-M5-11 - \$3,000

- Added Humidifier H-4-9

3 - 14-MZ1-04-1 - \$6,600

- Added a Negative Isolation room with an Ante room
- Misc room re-configurations and stat re-locations.

This pricing EXCLUDES installation cost for the Humidifier and Isolation room

Bill Britton

Sr. Project Manager, PMP
SIEMENS INDUSTRY, Inc.
Building Technologies Division
25821 Industrial Blvd, Suite 300
Hayward, CA 94545 USA
Mobile: 510 588-0082
Fax: 510 283-2100
Service Center: 866 726-7767
bill.britton@siemens.com
usa.siemens.com/buildingtechnologies

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NORMAN S. WRIGHT
Mechanical Equipment Corporation

99A South Hill Drive, Brisbane, CA 94005-1282 • tel 415.467.7800 • fax 415.467.0900

Heating
Ventilation
Air Conditioning
Hydraulic Systems

norman@wright.com

QUOTATION

TO: F.W. Spencer & Son, Inc.
ATTN: Martin Lee

DATE: March 10, 2014
PAGE: 1 of 1

TERMS: Net 30 Days **FOB:** Factory FFA **SHIP TIME:** **FRT. ALLOW:** Included

This Quotation Subject To Acceptance Within 30 Days.
To the prices and terms quoted, add any manufacturers' gross receipts, sales or use tax, either Federal, State or City, payable on the transaction under any affecting statute. Orders will be invoiced at price in effect at time of shipping, unless otherwise specified. All orders subject to factory acceptance. No material will be accepted for return without permission. Orders may not be canceled without written permission from the manufacturers'. Cancellation charges may be involved. No warranty is offered or implied, other than the standard warranty of the manufacturer. Written copies available on request. Unless otherwise stated, we do not include: seismic calculations, disconnect switches, starters, controls, thermostats, damper motors, internal wiring, drives, belt guards, filters, gauges, vibration isolators, and start-up service or supervision. Programming of DDC controls is not included in this quotation.

PROJECT: Highland Hospital Acute Care Tower
ENGINEER: Guttman & Blaesvoet

ACD-14-033

ADD

<u>QTY</u>	<u>DESCRIPTION</u>
2	Dri-Steam Humidifiers per schedule on I4-M5-11.
1	Ruskin Combination Fire/Smoke Damper.
6	Price Air Outlets. Tags: WE-1, CE-1, CS-1.

YOUR TOTAL NET PRICE ADD **\$ 21,395.00 FFA**
Plus Sales Tax.

DELETE

<u>QTY</u>	<u>DESCRIPTION</u>
6	Price Air Outlets. Tags: WE-1, CE-1, CS-1.

YOUR TOTAL NET PRICE DEDUCT **<\$ 240.00 FFA>**
Plus Sales Tax.

YOUR TOTAL NET PRICE ADD/DEDUCT **\$ 21,155.00 FFA**
Plus Sales Tax.

Thank You

Norman S Wright Mechanical Equipment Corp.

Robert Ghoukasal/Brennan Fong



BAYSIDE INSULATION, INC.

March 7, 2014

FW Spencer
99 South Hill Drive
Brisbane, CA 94005

Attn: Joe Meyer

RE: Highland Hospital Acute Tower Replacement
Oakland, CA
FW Spencer CD #0907-
Bayside Job #133042
Bayside Change Proposal #20
ACD #33 - Level 4, Area 4
Owner Requested Change (PCO #243) for NICU

The following change proposal is for Additional Mechanical Insulation costs associated with modified HVAC Ductwork, HVAC Piping, and Plumbing Systems. This added work is located on Level 4, Area 4.

Change Order Breakdown can be found on page 2.

Please refer to Attachment "A" for a breakdown of quantities, material costs and labor hours involved.

Due to the changing job site conditions, this price is subject to change.

TOTAL Bayside Change Proposal #20 \$17,245.00 Add

Because of the nature of this change proposal Bayside requests a Lump Sum change order to our subcontract before we start the work.

If you should have any questions concerning this proposal please contact the undersigned.

Sincerely,
Bayside Insulation

Craig Rossi
Estimator / Project Manager

License 806736

1635 Challenge Drive • Concord, CA 94520
Tel. (925) 288-8960 • Fax (925) 288-8970

Change Order Breakdown

RE: Highland Hospital Acute Tower Replacement
FW Spencer CO #0907-
Bayside Job #133042
Bayside Change Proposal #20
ACD #33 - Level 4, Area 4
Joe Meyer
Trade: Mechanical Insulation

Material Recap:						
FW Spencer CO #0907-334B		Cost	2.75% Tax	10% Freight		
		\$1,438.39	\$126.60	\$143.54	\$1,704.53	
Equipment:	QTY	item	Duration	Period	\$/Period	
	0	LIR	0	0	\$0.00	\$0.00
Labor Recap:						
Craft	MH	\$/Hr Wage	Total Wage			
Foreman	33.80	\$108.06	\$3,664.45			
Journeyman	78.40	\$91.03	\$7,138.38			
Apprentice	11.20	\$77.70	\$870.28			
Superintendent	11.20	\$95.00	\$1,064.00			
Project Manager	2.00	\$90.00	\$180.00			
Travel to Parking Lot	4.28	\$88.12	\$375.51			
Total			\$13,290.71			
Total Labor						\$13,290.71
Subtotal (Materials, Equipment and Labor Wages)						\$14,995.23
Mark Up			15.0%	\$ 2,249.28		
Overhead Subtotal						\$2,249.28
Subtotal Cost with Overhead						\$17,244.52
Fee on Subtotal			0.0%	\$ -		
Lump Sum Subtotal						\$17,244.52
						\$0.00
TOTAL Bayside Change Proposal #20						\$17,244.52

Attachment "A"

RE: Highland Hospital Acute Tower Replacement
Oakland, CA
FW Spencer CD 63801-
Reynolds Job #133042
BaySide Change Proposal #20

Scope: Joe Meyer

Item #	Area	Dwg	Size	Thick	Spec	System	Notes	Unit	Qty	Material Unit Cost	Material Cost	Hours Per Unit	Material Cost	Profit	Adjusted Hours Per Unit	Labour Hours
1	Low 4, Area 4	M2.04.4	7/8"	1-1/2"	FG ASJ	Heating Hot Water	Fiberglass Pipe Insulation	ft	180	\$3.29	\$591.30	0.073	\$13.14	1.200	0.264	15.12
2	Low 4, Area 4	M2.04.4	7/8"	1-1/2"	FG ASJ	Heating Hot Water	FG Insulation with PVC Fittings #7	ea	40	\$1.14	\$45.60	0.210	\$1.14	1.200	0.262	18.00
3	Low 4, Area 4	M2.04.4	7/8"	1-1/2"	FG ASJ	Heating Hot Water	FG Insulation with PVC Fittings #7	ea	5	\$3.29	\$16.45	0.290	\$3.29	1.200	0.336	1.68
4	Low 4, Area 4	P2.04.4	7/8"	1-1/2"	FG ASJ	Domestic Hot Water	Fiberglass Pipe Insulation	ft	54	\$1.14	\$61.56	0.073	\$1.14	1.200	0.084	4.54
5	Low 4, Area 4	P2.04.4	7/8"	1-1/2"	FG ASJ	Domestic Hot Water	FG Insulation with PVC Fittings #7	ea	12	\$3.29	\$39.48	0.210	\$3.29	1.200	0.252	3.02
6	Low 4, Area 4	P2.04.4	7/8"	1"	FG ASJ	Domestic Cold Water	Fiberglass Pipe Insulation	ft	54	\$1.74	\$93.96	0.073	\$1.74	1.200	0.084	4.54
7	Low 4, Area 4	P2.04.4	7/8"	1"	FG ASJ	Domestic Cold Water	FG Insulation with PVC Fittings #7	ea	12	\$1.14	\$13.68	0.210	\$1.14	1.200	0.252	3.02
8	Low 4, Area 4	M1.04.4	Varies	1-1/2"	ASW	Supply/Return Duct	3/4" density Fiberglass Duct Wrap	SF	1400	\$0.58	\$812.00	0.050	\$812.00	1.000	0.050	70.00
9	Low 4, Area 4	M1.04.4	Varies	1-1/2"	ASW	Supply/Return Duct	Shingles	box	2	\$1.85	\$3.70	-	\$1.85	1.200	-	0.00
10	Low 4, Area 4	M1.04.4	Varies	1-1/2"	ASW	Supply/Return Duct	3" wide FSK Tape	Roll	4	\$14.50	\$58.00	-	\$14.50	1.200	-	0.00
Total											\$1,435.28		\$1,435.28			112.00

* Hours Per Unit based on RSMeans Mechanical Cost Data Section 22.07.18

Labour Party	Hours	Rate	Total
Basic Labour	112.00		112.00
Material Handling	10%		11.20
Supervision	10%		11.20
Basic Contract Impact	0%		0.00
FW			2.00
TOTAL			136.40

Crew Breakdown	Hours	Rate	Total
Foreman	30%		33.60
Journeyman	70%		78.40
Apprentice (Skill Handling)			11.20
Superintendent (Supervisor)			11.20
Project Manager			2.00
TOTAL			136.40



ROBERTS FIRESTOP SPECIALTIES

BID PROPOSAL

JOB NAME Highland Hospital ACT - Change Order ACD#14-033 Pricing
CONTRACTOR F.W. Spencer & Son ATTN Joe Meyer DATE 3/7/2014
PHONE (415)488-5000 FAX (415)488-4579
SPEC SEC 07840 ITEM Add'l Firestop Per ACD#14-033
ADDENDUM NOTED None FURNISHED & INSTALLED X
PLANS & SPECS X BONDABLE X UNION X TAX INCL X

DESCRIPTION:

We propose to furnish all tools, labor and material required to install additional UL Firestop Systems & materials to add'l rerouted or resized pipe & HVAC duct penetrations thru fire rated floor or wall per ACD#14-033 changes.

Add'l Firestop Cost Breakdown At ACD#14-033 Changes;

\$ 1,885.16 -- 25 1/2 Hours Labor @ \$74.32 per hour
\$ 235.07 -- 5 1/2 Gal UL Firecaulk @ \$ 42.74 per gal
\$ 21.48 -- 1 Batt Safing @ \$ 21.48 per batt
\$ 322.75 -- 15% Markup & Profit

\$ 2,474.46 -- Total Add'l Firestop Cost Due To ACD#14-033 Changes

All materials and workmanship shall meet the requirements of the local code officials having jurisdiction over the above mentioned project.

Submitted By:

Rick Roberts, Owner

2238 Lakeshore Court
Stockton, Ca. 95218
Phone (209)463-1848
Fax (209)462-1079

3461 Grand Ave, Ste 204
Oakland, Ca. 94618
Phone (510)587-8688
Fax (510)484-9475

Email - Firestop123@aol.com
CA License 478087

THE BOLDLOOK
OF KOHLER

771-374

771-374

KOHLER

1-800-321-3211

3

THE BOLDLOOK
OF KOHLER

LY-2'S IN
FNS WAREHOUSE

LUCERNE HALL - HUNG
035621020
WHITE

LUCERNE HALL - HUNG
035621020
WHITE



23485 Connecticut Street Hayward, Ca 94545
 Telephone: 510-887-0995 Fax: 510-264-4925

March 8, 2014
 PCI Job # 3738

ATTN: Joe Bernard

PCI COR: 245

TO: Clark Construction
 1411 East 31st St
 Oakland, CA 94602

Clark PCO :

RE: 4TH FLOOR NICU - ACD 14-033

ACD No: 033

RFI No:

COR for ACD 14-033

<u>Condition</u>	<u>Quantity</u>	<u>Unit Price</u>
1. NICU Stop Work Notice		\$ 131,502.28
	TOTAL	\$ 131,502.28

INCLUSIONS:

1. See attached takeoff for inclusions
2. All In-Wall rough-in to occur before production drywall for the NICU.

EXCLUSIONS:

1. BIM modeling.
2. Changes not specifically noted in COR; unless shown in take-off.
3. Patching of damaged work by others.
4. Should work be performed out of sequence, or multiple project revisions disrupt the schedule sequence or flow of the whole.
5. PCI reserves our right to address any indirect association or exposure created by this COR or other changed conditions.
6. Fireproof patching.
7. Back charges from other trades as a result of work associated with this COR.
8. Rework / Repair for damage to PCI's work from other trades as a result of changes associated with this COR.
9. Rework due to compromise of rating by other trades.
10. MBE/WBE/SLBE/SBE involvement, inclusion or add to PCI's base contract percentages
11. In-wall and through wall penetrations occurring after top down or production drywall install, UNO in takeoff are excluded and PCI reserves our right to compensation where they occur.

Please feel free to contact me with any questions.

Justin Barkie
 Project Engineer

This proposal is based on the timely issuance of a written response to the scope change and the affected work adjacent to the area can be completed within a normal sequence. Failure to respond within 15 days of this notice will render this proposal invalid, after which it may be subject to re-estimation with additional costs for schedule delays or increases in current market values.



528 Grand Avenue Oakland, CA 94610
Telephone (510) 251-0870 Fax (510) 251-0835

March 8, 2014

PCI Job # 3738
COR # 245

Clark Construction
1411 East 31st St
Oakland, CA 94602

Subject: HIGHLAND ACT
4TH FLOOR NICU - ACD 14-033

Attention: Joe Bernard

Our analysis of the request referenced above results in:

An addition of \$ 131,582 with breakdown attached.

Schedule extension 0 Work Days

No effect and no change to contract price.

Affects our work, but no change in contract price is required.

This proposal is based on the additional work being performed along with the originally scheduled PCI work in these areas and does not include any costs for out of sequence installation. Any out of sequence work will require additional costs not included in this proposal.

Work Status:

Work has proceeded and we await your check and / or change order in the amount requested.

Work will proceed upon written approval.

Notes and Clarifications:

This proposal is based on the timely issuance of a written notice to proceed so the scope change and the work adjacent to these area(s) can be completed when the originally scheduled work is to be performed. Failure to respond within 15 days of this notice will render this proposal invalid, after which it may be subject to re-estimation with additional costs for schedule delays or increases in current market values.

If additional information is required, please contact me.

Justin Bankie
Project Engineer

This proposal is based on the timely issuance of a written response so the scope change and the affected work adjacent to the area can be completed within a normal sequence. Failure to respond within 15 days of this notice will render this proposal invalid, after which it may be subject to re-estimation with additional costs for schedule delays or increases in current market values.

COST SUMMARY

4TH FLOOR NICU - ACD 14-033

MATERIALS

MATERIALS:(Breakdown Attached)		ADD	<u>8,721.09</u>
Vendor Stocking	0.0%		-
Consumable Supplies	0%		-
		subtotal	<u>8,721.09</u>
Sales Tax @	9.00%		<u>784.90</u>
		subtotal	<u>9,505.99</u>
MATERIAL MARKUP	15%		<u>1,425.90</u>
		total	<u>10,931.89</u>

TOTAL MATERIALS: ADD \$ 10,931.89

LABOR

LABOR: (breakdown attached)		<u>\$98,878.72</u>
LABOR MARKUP	10%	<u>9,887.87</u>

TOTAL LABOR ADD 108,766.60

EQUIPMENT RENTAL & MISC.

	EA/Month	RATE	TOTAL
TB Testing		1,000.00	-
Powder Actuated Gun	5	35.00	175.00
Screw Gun	10	12.00	120.00
Chop Saw	2	25.00	50.00
Roto Zip	2	12.00	24.00
Plasma Cutter		50.00	-
Scaffold Rental		15.00	-
Scissor lift rental	6	350.00	2,100.00
Plaster Pump		65.00	-
Freight & Shipping Charges			-

subtotal 2,469.00

EQUIPMENT MARKUP @	10%	<u>246.90</u>
		subtotal <u>2,715.90</u>

TOTAL EQUIPMENT COSTS ADD \$ 2,715.90

TOTAL COST : ADD \$ 122,414.38

SUBCONTRACTOR ADD #1: Accurate Firestop		ADD \$	<u>7,500.00</u>
SUBCONTRACTOR MARKUP:	5%	\$	<u>375.00</u>
SUBTOTAL		ADD \$	<u>130,289.38</u>
CONTRACT BOND	1.0%	\$	<u>1,302.89</u>
GRAND TOTAL		\$	<u>131,592.28</u>

NET REQUEST : \$ 131,592.28

4TH FLOOR NICU - ACD 14-033

LABOR BREAKDOWN

DESCRIPTION:	HOURS	\$ / HOUR	TOTAL COST
Foreman/Lead Carpenter - Frame/Hang	189.00	\$ 77.78	\$ 13,144.82
Journeyman Carpenter - Frame/Hang	1081.00	\$ 73.27	\$ 79,204.87
Foreman Taper	20.0	\$ 71.26	\$ 1,425.25
Journeyman Taper	74.0	\$ 68.97	\$ 5,103.78
SUBTOTAL	1324.0		\$98,878.72

LABOR TOTAL

ADD **\$98,878.72**

MATERIAL BREAKDOWN

ITEM DESCRIPTION:	QUANTITY	UNIT	UNIT PRICE	TOTAL COST
4" 16 ga Studs (400S162-54)	(112)	LF	1.37	-153.44
4" 14 ga Studs (400S250-68)	584	LF	3.00	1752.00
4" 16 ga Slotted Track	140	LF	2.40	336.00
6" 16 ga Studs	1,272	LF	2.34	2976.48
6" 16 ga Track	70	LF	2.05	143.50
6" 16 ga Slotted Track	905	LF	2.55	2307.75
# 8 Metal Screws	1	Box	\$78.88	78.88
# 10 Metal Screws	1	Box	\$110.00	110.00
Anchor Bolts	2	Box	\$37.05	74.10
16" Flattrap	282	LF	\$3.60	1022.00
1-1/2" CRC 16 ga	48	LF	\$0.61	28.88
4" 16 ga Track (400T150-54)	-73	LF	\$1.41	-102.93
6" 16 ga Track (600T150-54)	96	LF	\$2.71	260.16
5/8" Type X Drywall	-748	SF	\$0.30	-224.40
Joint Tape	2	ROLL	\$6.50	13.00
Taping	2	BOX	\$9.56	19.12
Topping	8	BOX	\$9.56	76.48
Drywall Corner Bead	10	LF	\$0.25	2.50
			TOTAL COST	\$ 8,721.09

PERFORMANCE CONTRACTING INC.

HOURLY LABOR RATE SHEET

July 1, 2012 Thru June 30, 2013

DRYWALL CARPENTERS

FOREMAN

	STRAIGHT	TIME AND A HALF	DOUBLE TIME	
Wages	43.29	64.93	86.57	
Vacation-Dues	4.10	4.10	4.10	
Taxable Wages:	<u>47.39</u>	<u>69.03</u>	<u>90.67</u>	
Fringes				
Health & Welfare	10.55	10.55	10.55	
Pension	8.85	8.85	8.85	
Annuity	2.75	2.75	2.75	
Apprentice	0.62	0.62	0.62	
Industry Promotion	0.20	0.20	0.20	
Safety	0.15	0.15	0.15	
Work Preservation	0.05	0.05	0.05	
NDC	0.28	0.28	0.28	
Total Fringes	<u>23.45</u>	<u>23.45</u>	<u>23.45</u>	
Subtotal	70.84	92.48	114.12	
FICA	6.20%	2.94	4.28	5.82
Medicare	1.45%	0.89	1.00	1.31
Fed Unemployment	0.80%	0.38	0.55	0.73
State Unemployment	6.20%	2.94	4.28	5.82
Total Payroll Taxes	<u>6.94</u>	<u>10.11</u>	<u>13.28</u>	
Parking				
Shuttle				
Inspections				
Safety				
Warehouse/Equipment				
Total Labor Cost	<u>\$ 77.78</u>	<u>\$ 102.59</u>	<u>\$ 127.40</u>	

PERFORMANCE CONTRACTING INC.

HOURLY LABOR RATE SHEET

July 1, 2012 Thru June 30, 2013

DRYWALL CARPENTERS

JOURNEYMAN

		STRAIGHT	TIME AND A HALF	DOUBLE TIME
Wages		38.50	57.75	77.00
Vacation-Dues		4.05	4.05	4.05
Taxable Wages:		<hr/> 42.55	<hr/> 61.80	<hr/> 81.05
Fringes				
Health & Welfare		9.90	9.90	9.90
Pension		8.70	8.70	8.70
Annuity		2.75	2.75	2.75
Apprentice		0.57	0.57	0.57
Industry Promotion		0.20	0.20	0.20
Safety		0.15	0.15	0.15
Work Preservation		-	-	-
NDC		0.28	0.28	0.28
Total Fringes		<hr/> 22.55	<hr/> 22.55	<hr/> 22.55
Subtotal		65.10	84.35	103.60
FICA	6.20%	2.84	3.83	5.03
Medicare	1.45%	0.82	0.90	1.18
Fed Unemployment	0.80%	0.34	0.49	0.65
State Unemployment	6.20%	2.64	3.83	5.03
Total Payroll Taxes		<hr/> 6.23	<hr/> 9.05	<hr/> 11.87
Parking				
Shuttle				
Inspections				
Safety				
Warehouse/Equipment				
Total Labor Cost		<hr/> \$ 71.33	<hr/> \$ 93.40	<hr/> \$ 115.47

PERFORMANCE CONTRACTING INC.

HOURLY LABOR RATE SHEET

Calendar Year 2012

TAPERS

FOREMAN

	STRAIGHT	TIME AND A HALF	DOUBLE TIME
Wages	44.66	66.99	89.32
Taxable Wages:	<u>44.66</u>	<u>66.99</u>	<u>89.32</u>
Fringes			
Health & Welfare	9.58	9.58	9.58
Pension	5.48	5.48	5.48
Annuity	4.10	4.10	4.10
Apprentice	0.31	0.31	0.31
Industry Promotion	0.18	0.18	0.18
IUPAT	0.10	0.10	0.10
Work Preservation	0.06	0.06	0.06
STAR	0.25	0.25	0.25
Total Fringes	<u>20.06</u>	<u>20.06</u>	<u>20.06</u>
Subtotal	64.72	87.05	109.38
FICA	6.20%	2.77	4.15
Medicare	1.45%	0.65	0.97
Fed Unemployment	0.60%	0.38	0.54
State Unemployment	6.20%	2.77	4.15
Total Payroll Taxes	<u>6.54</u>	<u>9.81</u>	<u>13.09</u>
Parking			
Shuttle			
Inspections			
Safety			
Warehouse/Equipment			
Total Labor Cost	<u>\$ 71.26</u>	<u>\$ 96.86</u>	<u>\$ 122.47</u>

PERFORMANCE CONTRACTING INC.

HOURLY LABOR RATE SHEET

Calendar Year 2012

TAPERS

JOURNEYMAN

	STRAIGHT	TIME AND A HALF	DOUBLE TIME	
Wages	42.66	63.99	85.32	
Taxable Wages:	42.66	63.99	85.32	
Fringes				
Health & Welfare	9.58	9.58	9.58	
Pension	5.48	5.48	5.48	
Annuity	4.10	4.10	4.10	
Apprentice	0.31	0.31	0.31	
Industry Promotion	0.18	0.18	0.18	
IUPAT	0.10	0.10	0.10	
Work Preservation	0.06	0.06	0.06	
STAR	0.25	0.25	0.25	
Total Fringes	20.06	20.06	20.06	
Subtotal	62.72	84.05	105.38	
FICA	6.20%	2.84	3.97	5.29
Medicare	1.45%	0.62	0.93	1.24
Fed Unemployment	0.60%	0.34	0.51	0.68
State Unemployment	6.20%	2.64	3.97	5.29
Total Payroll Taxes	6.25	9.37	12.50	
Parking				
Shuttle				
Inspections				
Safety				
Warehouse/Equipment				
Total Labor Cost	\$ 68.97	\$ 93.42	\$ 117.88	



COSCO Fire Protection

Fire Protection and Life Safety Specialists

CHANGE ORDER REQUEST NO. ACT-020

Jan 17th 2014

Clark Construction Group
575 Anton Blvd. Suite 100
Costa Mesa CA 92626
Attn: Nate Demary

Re: Highland Hospital -ACT
1411 E. 31st Street
Oakland, CA.
Cosco Project No: SC-0507-CO_ACT-020

Subject: FCO # 810276 : NICU Fire sprinkler revisions

Mr. Demary:

We are herewith submitting our change request in the amount of **Ten Thousand Five Hundred and nine dollars (\$10,509.00)** for the extra work referenced above and described below.

Scope of Work:

- Modifications to the fire sprinkler system sprinkler supply lines .
- Addition of (1) ceiling sprinkler.
- Modifications to (14) ceiling sprinklers.
- Re-coordinate space above ceilings within NICU.
- Re-design sprinkler coverage to accommodate changes.
- Prepare and create ACD-033 fire sprinkler changes.
- Prepare and create Post coordination ACD for sprinkler revisions.

Breakdown of Change as follows:

810276A: Design Costs: ~\$4,100

- Re-coordination of NICU above ceiling space.
- Revised sprinkler system to accommodate changes.
- Re-design of sprinklers below ceilings within NICU space.
- Revised Hydraulic calculations for Level 4.
- Addition of (1) sprinkler, revisions to (14) sprinklers.
- See attached sheets
- Prepare and create ACD-033 fire sprinkler changes.
- Prepare and create Post coordination ACD for sprinkler revisions.

810276B: Construction Costs: ~\$6,400

- Revised Sprinkler supply piping
- Modify Installed Branch main for Pneumatic tube station
- Additional branch main outlet for added sprinkler
- Drain and fill Level 4
- Re-Hydrostatic test Level 4
- Inspection
- Work will be performed within reasonable timeline during normal installation activities. (Additional mobilization is not included)
- See attached sheets

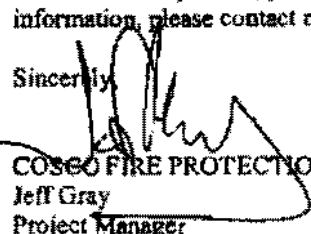
Excluded:

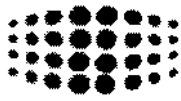
- Modifications to the Fire Sprinkler system on Surrounding Levels.
- Overtime, off hours, weekend work
- Point load analysis drawings, if required additional cost will apply
- Fire proof patching
- Modifications to the fire sprinkler system outside NICU boundaries

This change proposal does not include any amounts for impacts such as interference, disruptions, rescheduling, change in the sequence of work, delays/or associated acceleration, delayed decisions, etc. by other trades, GC, or owner in their execution or performance of this change. 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 change to our scope of work has an impact of (10) working days. See above for cost breakdown.

We have proceeded with the design based upon Clark direction, we will proceed with the construction once direction has been received by Clark; please issue your change order as soon as possible. If you have any questions or require additional information, please contact me.

Sincerely,


COSEC FIRE PROTECTION, INC.
Jeff Gray
Project Manager



COSCO Fire Protection

Change Request Estimate

DATE	Highland Hospital ACT	Project Manager		
1/16/2014		JOB NO.	Jeff Gray	CCG#
	NICU- LEV 4 ICU change	20SC0507		810276
MATERIAL		QTY.	UNIT PRICE	EXTENSION
1				\$0.00
2				\$0.00
3				\$0.00
4				\$0.00
5				\$0.00
6				\$0.00
7				\$0.00
8				\$0.00
9				\$0.00
10				\$0.00
11				\$0.00
12				\$0.00
13				\$0.00
14				\$0.00
15				\$0.00

Material Subtotal	\$0.00
9 % Sales Tax escalation	\$0.00
Total Material	\$0.00

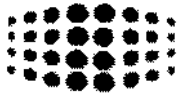
LABOR	DESCRIPTION	HOURS/QTY	\$/HR	EXTENSION
1	Design costs 810276A- see attached	1	\$3,496.68	\$3,496.68
2	Construction costs 810276B- see attached	1	\$5,453.70	\$5,453.70
3				\$0.00
4				\$0.00
5				\$0.00
6				\$0.00
7				\$0.00
8				\$0.00
9				\$0.00
10				\$0.00
11				\$0.00
12				\$0.00
13				\$0.00
14				\$0.00
15				\$0.00

Material + Labor	\$8,950.38
	\$8,950.38

Subcontract				
Shop Fabrication				\$0.00
Other				\$0.00
Rentals				\$0.00
Miscellaneous				\$0.00
Permits				\$0.00
Mileage				\$0.00

*Excludes revised point load analysis if required
 *Excludes work being performed off hours, weekends, or overtime

Subtotal	\$8,950.38
15 % O & P	\$1,342.56
2.1 % Bond	\$216.15
Sell Price	\$10,509.09



COSCO Fire Protection

Change Request Estimate

DATE	Highland Hospital ACT	Project Manager		
1/12/2014		JOB NO.	Jeff Gray	CCG#
	NICU- LEV 4 ICU change	20SC0507	810278-A	
MATERIAL		QTY.	UNIT PRICE	EXTENSION
1				\$0.00
2				\$0.00
3				\$0.00
4				\$0.00
5				\$0.00
6				\$0.00
7				\$0.00
8				\$0.00
9				\$0.00
10				\$0.00
11				\$0.00
12				\$0.00
13				\$0.00
14				\$0.00
15				\$0.00

Material Subtotal	\$0.00
9 % Sales Tax escalation	\$0.00
Total Material	\$0.00

LABOR	DESCRIPTION	HOURS/QTY	\$/HR	EXTENSION
1	EWO 8/5/13 design & engineering	8	\$79.47	\$635.76
2	EWO 8/6/13 design & engineering	8	\$79.47	\$635.76
3	EWO 12/9/13 design & engineering	6	\$79.47	\$476.82
4	EWO 12/13/14 design & engineering	6	\$79.47	\$476.82
5	EWO 1-10-14 design and engineering	8	\$79.47	\$635.76
6	Design- Post coordination ACD	8	\$79.47	\$635.76
7				\$0.00
8				\$0.00
9				\$0.00
10				\$0.00
11				\$0.00
12				\$0.00
13				\$0.00
14				\$0.00
15				\$0.00

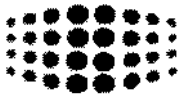
Material + Labor	\$3,496.68
	\$3,496.68

Subcontract				
Shop Fabrication				\$0.00
Other				\$0.00
Rentals				\$0.00
Miscellaneous				\$0.00
Permits				\$0.00
Mileage				\$0.00

*Excludes revised point load analysis if required

*Excludes work being performed off hours, weekends, or overtime

Subtotal	\$3,496.68
15 % O & P	\$524.50
2.1 % Bond	\$84.44
Sell Price	\$4,106



COSCO Fire Protection

Change Request Estimate

DATE	Highland Hospital ACT	Project Manager		
1/12/2014		JOB NO.	Jeff Gray	COG#
	NICU- LEV 4 ICU change	20SC0507		810276-B
MATERIAL		QTY.	UNIT PRICE	EXTENSION
1				\$0.00
2				\$0.00
3				\$0.00
4				\$0.00
5				\$0.00
6				\$0.00
7				\$0.00
8				\$0.00
9				\$0.00
10				\$0.00
11				\$0.00
12				\$0.00
13				\$0.00
14				\$0.00
15				\$0.00

Material Subtotal	\$0.00
9 % Sales Tax escalation	\$0.00
Total Material	\$0.00

LABOR	DESCRIPTION	HOURS/QTY	\$/HR	EXTENSION
1	Add ceiling sprinkler after fabrication - unit	1	\$796.89	\$796.89
2	Modify (E) branchmain	12	\$88.57	\$1,062.84
3	Modify (E) sprinkler supply lines	16	\$88.57	\$1,417.12
4	Drain fill	4	\$88.57	\$354.28
5				\$0.00
6				\$0.00
7	Design- listing	6	\$79.47	\$476.82
8	Design- installation- field drawings	8	\$79.47	\$635.76
9				\$0.00
10				\$0.00
11				\$0.00
12				\$0.00
13				\$0.00
14	Inspection	2	\$88.57	\$177.14
15	Re-Hydrostatic test	4	\$88.57	\$354.28

Material + Labor	\$5,275.13
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Subcontract				
Shop Fabrication				\$0.00
Other	Composite crew cleanup rate 1/40 of total labor	1	\$88.57	\$88.57
Rentals				\$0.00
Miscellaneous	Scissor lift	2	\$45.00	\$90.00
Permits				\$0.00
Mileage				\$0.00

Subtotal	\$5,463.70
15 % O & P	\$818.06
2.1 % Bond	\$113.71
Sell Price	\$6,403

*Excludes revised point load analysis if required

*Excludes work being performed off hours, weekends, or overtime



beyond boundaries

COP #158 – ACD#33 – NICU Changes

March 10th, 2014

Joe Bernard
Clark Construction Group
1411 East 31st Street, B-1 Wing
Oakland, CA 94602

RE: Highland Hospital Acute Tower Replacement Project
Oakland, CA

Dear Joe,

We are pleased to quote the labor and material to incorporate all changes to our scope associated ACD#33. Please advise if we are to proceed with these changes.

Please issue a change order at your earliest convenience.

$(\$1,543) + \text{Corbin mark-up } \%5 (\$77) = (\$1,620)$

TOTAL PRICE:

~~(\$1,503.00)~~

Any deviation from the attached original quantities and locations will be considered a change of scope and all cost associated with the deviations will be forwarded Clark Construction. No further action will be taken on this package until ISEC has received a Letter of Intent or a Notice to Proceed for the above price. Please note that time is of the essence.

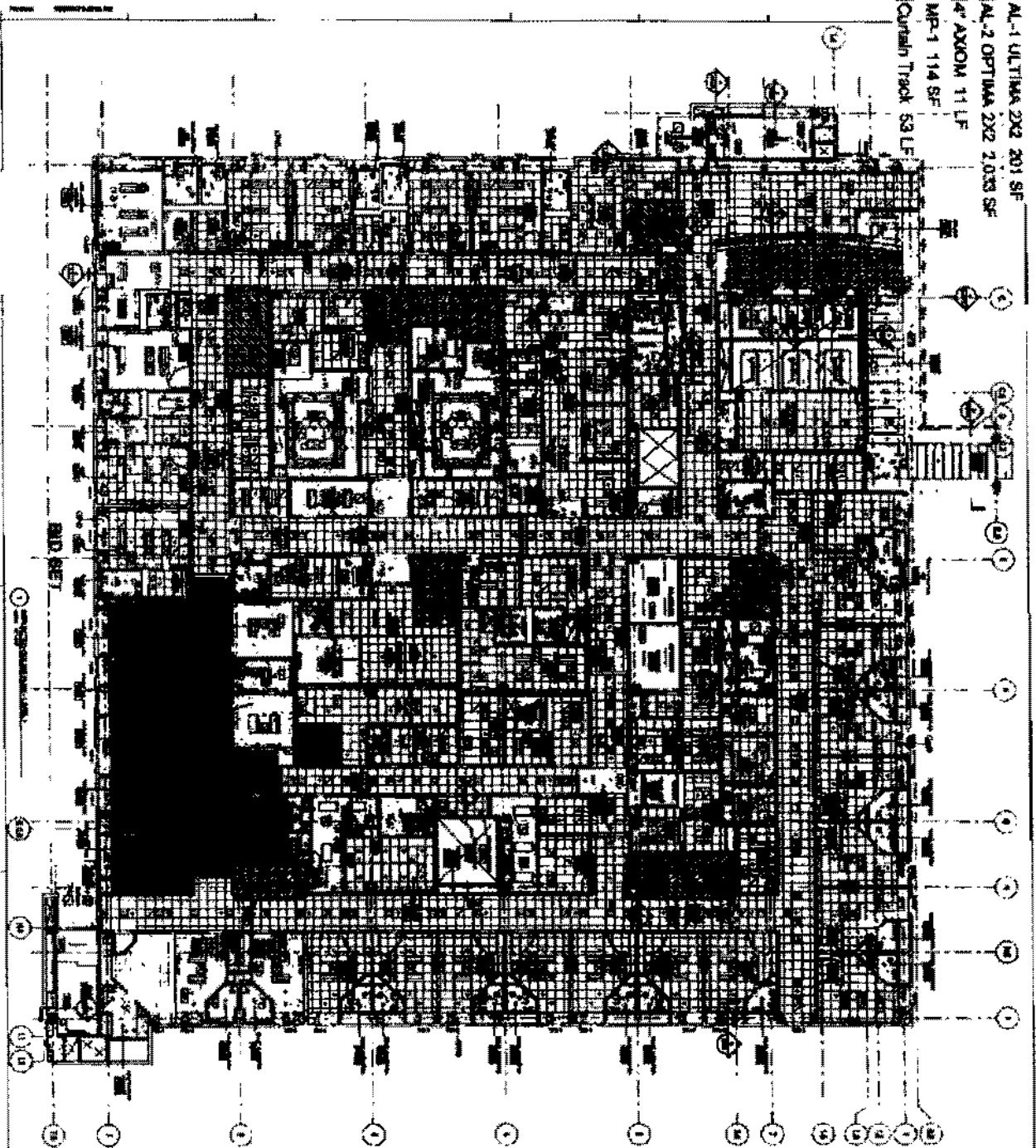
Feel free to contact me if you have any questions.

Best Regards,

Zeeshan Haider – Sr. Project Manager
ISEC Inc.

CC: Zeeshan Haider
File

- AL-1 ULTIMA 2X2 201 SF
- AL-2 OPTIMA 2X2 2,033 SF
- 4" AXOM 11 LF
- MR-1 114 SF
- Curtain Track 53 LF



1040 Permit (Seal) (Copy of Stamp) Highline Municipal ACT #4002, Franklin 5813 OST, 1/28/2014 07:28 AM

<p>NOTES</p> <p>1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF SEASIDE, CALIFORNIA PERMITS AND ORDINANCES.</p> <p>2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.</p> <p>3. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE CITY ENGINEER.</p> <p>4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.</p> <p>5. ALL UTILITIES SHALL BE PROTECTED AND MARKED PRIOR TO CONSTRUCTION.</p> <p>6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.</p> <p>7. ALL CONSTRUCTION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.</p> <p>8. THE CONTRACTOR SHALL MAINTAIN A NEAT AND ORDERLY WORK SITE AT ALL TIMES.</p> <p>9. ALL MATERIALS AND EQUIPMENT SHALL BE STORED PROPERLY ON THE SITE.</p> <p>10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INSURANCE AND BONDING.</p> <p>11. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CITY OF SEASIDE, CALIFORNIA PERMITS AND ORDINANCES.</p> <p>12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.</p>	<p>LEGEND</p> <p>AL-1 ULTIMA 2X2 201 SF</p> <p>AL-2 OPTIMA 2X2 2,033 SF</p> <p>4" AXOM 11 LF</p> <p>MR-1 114 SF</p> <p>Curtain Track 53 LF</p>	<p>SCALE</p> <p>1/4" = 1'-0"</p>	<p>DATE</p> <p>1/28/2014</p>	<p>PROJECT</p> <p>Highline Municipal ACT #4002</p>	<p>LOCATION</p> <p>Franklin 5813 OST</p>	<p>CLIENT</p> <p>City of Seaside</p>	<p>DESIGNER</p> <p>AT&T</p>	<p>DATE</p> <p>1/28/2014</p>
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1040-1

DATE ISSUED: 10-Mar-14
RBYBDEZ:

ISEC PROPOSAL No. 180

Page 1 of 1

TO: Clark Construction Group
Joe Barnard

RE: CF No. 127102
Highland Hospital
Oakland, CA

Description of Work:
Provide all necessary material, labor and equipment to incorporate ACDSS3 into scope.
1. Added countertops at H-4001A-A and H-4005A-A.
2. Deleted Casework and Countertop at Area H-4003. Also deleted (4) countertops at care team station.
3. Deleted Door Openings H-4110-1, H-4110-2, H-4003-1, H-4421-1, H-4421-2, H-4422-2, H-4422-1 (NO CREDIT) Materials already procured.
4. Flipped Opening H4110-1. New Door and Door Items required. - Hardware remained the same.
Exclusions: Overtime

DIRECT FIELD LABOR COST (INCLUDES PAYROLL TAX/FRANSE BENEFITS)

Trade	Hours	Rate	
1 Journeyman	-36.00	x \$ 70.00	(\$2,520)
2 Foreman	-2.00	x \$ 70.12	(\$140)
3 Superintendent	0.00	x \$ 80.00	\$0
4 Composite Cleanup (1 hour per 40 Hours)	0.00	\$ 70.00	\$0
5 Supervisory Field Labor:	0.00	0.00	INCLUDED
6 Subsistence: _____ days	x _____ day		\$0
7 Mileage			\$0
TOTAL LABOR			(\$2,660)

MATERIAL

8 In-Wall brackets for added countertops	\$200	
9 Credit for Wall Cabinets and countertop at Ankle Room	(\$1,000)	
10 Add for Countertops at H-4003-1 and H-4005-1	\$400	
11 Marshfield Door H-4410-1	\$240	
12 Glass Frame H-4401-1	\$485	
13 Glass Freight	\$100	
14 Marshfield Freight	\$100	
15 Freight	\$350	
TOTAL MATERIAL		\$854

ENGINEERING & ADMINISTRATION

16 Engineering	8 Hrs.	x	\$70 /hr	\$560
17 BIM Modeling	0 Hrs.	x	\$70 /hr	\$0
18 Field Coordination with Model	0 Hrs.	x	\$70 /hr	\$0
TOTAL ENGINEERING & ADMINISTRATION				\$560

EQUIPMENT RENTAL

19 Equipment Rental	\$0	
TOTAL EQUIPMENT RENTAL		\$0

20 SUBCONTRACTED WORK

_____		_____
_____		_____
_____		_____
TOTAL SUBCONTRACTED WORK		\$0

ISEC PERFORMED WORK OVERHEAD AND PROFIT

21 O&P	10%	SUBTOTAL ITEM 1-19	(\$1,436)
22 Insurance	1.5%		(\$215)
			(\$1,440)

ISEC EQUIPMENT OVERHEAD AND PROFIT

23 O&P	10.0%	SUBTOTAL ITEM 19	\$0
24 Insurance	1.5%		\$0

SUBCONTRACTED WORK OVERHEAD AND PROFIT

25 O&P	8.0%	SUBTOTAL ITEM 20	\$0
26 Insurance	1.5%		\$0

27 Sales Tax	0.00% on Items 0-12	\$0
28 City of Oakland Gross Receipts Tax (0.018%)		(\$2)
29 Bond (1%)		\$0

TOTAL CHANGE ORDER PRICE \$8,884 **(\$1,543)**

The conditions checked below apply to this quotation:

- ISEC will be paid and to proceed with this work upon receipt of a Change Order in the above amount. A Change Order or Notice to Proceed must be received by _____ in order to guarantee this pricing.
- ISEC has proceeded with this work as directed. There is no change order by _____.
- ISEC will not require any substitution of items. The work can be accomplished consistently with the general contract work.
- This proposal is based solely on direct cost elements such as labor, material, direct overhead and fees for completion of work. It complies with the project construction schedule. It does not include any amount for changes in sequence of work, delays, stoppages, reworking, extended overhead, acceleration, wage, material or other variations beyond the prices upon which the proposal was based, or other impact costs. This right is expressly reserved and notice of potential claim shall be for any of these and related items at cost prior to any fees payable under this Contract.
- ISEC will require an extension of time to complete this added scope of work. See attached letter for a detailed explanation.

Stiles

CHANGE ORDER QUOTATION

Stiles Custom Metal, Inc.

Quoted By: Steve Stiles Ext. 3124

steve.stiles@stilesdoor.com

1885 Klnsar Road

Ceres, California 95307

(209) 538-3667

Fax (209) 538-2776

Quote No.: 23757

Stiles Job No.: 12070act

Date: March 6, 2014

Stiles X No.:

Project: Highland Hospital

Reference: ACD 033

To: ISEC (San Francisco)

395 Oyster Point Blvd, Ste 213

South San Francisco, CA 94080

****Note****

5 & 10 day quickship service is subject to production and space availability. Quickship service is on a first come first serve basis and may not be available at the time this signed quote is received.

Attention: Calvin

Fax: (510) 656-8764

DESCRIPTION	Price
Per ACD 033	
remake frame H4418-1: frame change from RH to LH	\$485.00
Information necessary for fabrication	
	Freight
	Sales Tax Not Included
	Total \$485.00

To authorize Stiles to proceed, please sign below.

Authorized Signature

Date

FOR SCM USE ONLY:

____ @ _____
 ____ @ _____
 ____ @ _____
 ____ @ _____

All other conditions and terms of the original order continue to be in effect. The prices reflected in this change order may not reconcile with line item prices of the original order due to quantity discounts, raw material, labor or freight charges, and processing expenses.

PRODUCT DESCRIPTION

ITEM #	QTY	ITEM	UNIT PRICE	EXT PRICE
00	1	EPCUF_SCS-COC-000675 4 - 0 x 7 - 0 x 0 - 1 3/4	\$248.40	

Single

PIONITE WY131-N SILVIO
 NAUF PARTICLEBOARD
 7/8 inch RAIL
 1 inch STILE
 BANDING PIONITE WY131-N SILVIO
 GENERIC HOSPITAL LOCK
 FSC MIX 81% SCS-COC-000675
 ITS-WH SMOKE BARRIER LABEL

7/8 inch RAIL
 1 inch STILE
 BANDING PIONITE WY131-N SILVIO
 CARB PH2 COMPLIANT
 SCS CERTIFIED MINIMUM 63% PRE-CONSUMER RECYCLED
 CONTENT
 Plastic Band

Bevel 1/8 In 2
 Stretch Wrap By Order Number

Project: **HIGHLAND HOSPITAL**

1st Tier Sub-Contractor: **Vomar Products Inc**
 CHANGES STREAMING FROM: **Per ATC-2014-01-30-CCG-810276-ADC-14-033-NICU PRICING ONLY**

CHANGE ORDER QUOTE: **1**

Work Project: **49783**

Company: **CLARK CONSTRUCTION**

TRIGGERING
DOC:

Directive Email

Attn: **Kyle Knapp**

Date: **2/13/2014**

Vomar Item#	Type	SIGN INFO	Ref	QTY	UnR	UNIT PRICES			TOTALS			Line Item Total	TOTAL	
						Labor	Material	Equipment	Labor	Material	Equipment			
														\$ 4,106.47
NEW SIGN / ADDITION / UPGRADE :														
New Item	BA2	ROOM ID W/ INSERT	Vomar Sheet 3.8											
	New Item of 8"H X 6"W acrylic plaque w/ insert and laser cut inlaid acrylic copy mtd to wall w/ silicone adhesive and foam tape. Total = 4 qty, 4 sign locations (Locations specified in sheets 14-SG1.1.5 and 14-SG2.04.0 per NICU PRICING ONLY document)			4	\$107.50	\$25.00	\$82.50		\$ 100.00	\$ 330.00	\$ -	\$ 430.00		
New Item	BA3	ROOM ID W/ IN USE SLIDER	Vomar Sheet 3.8											
	New item of 9 3/8"H X 6"W acrylic plaque w/ acrylic slider panel and laser cut inlaid acrylic copy mtd to wall w/ silicone adhesive and foam tape. Total = 7 qty, 7 sign locations (Locations specified in sheets 14-SG1.1.5 and 14-SG2.04.0 per NICU PRICING ONLY document)			7	\$140.00	\$25.00	\$115.00		\$ 175.00	\$ 803.50	\$ -	\$ 983.50		
New Item	BA4	PERMANENT ROOM ID	Vomar Sheet 3.8											
	New Item of 8"H X 5 3/2"W acrylic plaque w/ laser cut inlaid acrylic copy mtd to wall w/ silicone adhesive and foam tape. Total = 1 qty, 1 sign location (Locations specified in sheets 14-SG1.1.5 and 14-SG2.04.0 per NICU PRICING ONLY document)			1	\$85.00	\$25.00	\$60.00		\$ 25.00	\$ 80.00	\$ -	\$ 85.00		
New Item	BC2	EXIT SIGN	Vomar Sheet 3.9											
	New Item of 4"H X 6"W X 1/8" thick acrylic plaque w/ laser cut inlaid acrylic copy mtd to wall w/ silicone adhesive and foam tape. Total = 4 qty, 4 sign locations (Locations specified in sheets 14-SG1.1.5 and 14-SG2.04.0 per NICU PRICING ONLY document)			4	\$55.80	\$25.00	\$30.80		\$ 100.00	\$ 123.20	\$ -	\$ 223.20		

Project: **HIGHLAND HOSPITAL** 1st Tier Sub-Contractor: Vornar Products Inc CHANGE ORDER QUOTE: 1
 CHANGES STEMMING FROM: Per ATC-2014-01-30-CCG-810276-ADC-14-033-NICU PRICING ONLY Work Project: 49783

Company: **CLARK CONSTRUCTION** TRIGGERING DOC: Directive Email
 Attn: Kyle Knapp Date: 2/13/2014

Vornar Item#	Type	SIGN INFO	Ref:	QTY	Unit	UNIT PRICES			TOTALS			Line Item Total	TOTAL
						Labor	Material	Equipment	Labor	Material	Equipment		
New Item	BA7	DIMENSIONAL LETTERS	Vornar Item #10	1	\$1,090.00	\$210.00	\$880.00		\$ 210.00	\$ 880.00	\$ -	\$ 1,090.00	
	New item of 4 1/2"H & 5 1/2"H X 3/4"thk pbr mtd flat cut horizontal brushed alum letters to read "Nurse Station". Total = 12 chtrs, 3 sign location (locations specified in sheets 14-SG1.1.5 and 14-SG2.04.0 per NICU PRICING ONLY document)												
New Item	EA8	BED ID	Vornar Item #10	8	\$70.00	\$28.00	\$42.00		\$ 224.00	\$ 336.00	\$ -	\$ 560.00	
	New item of 6"H X 6"W X 1/8"thk acrylic plaque w/ machine cut vinyl copy on an 1/8"thk masonite backer mtd to wall w/ silicone adhesive and foam tape. Total = 8 qty, 8 sign locations (locations specified in sheets 14-SG1.1.5 and 14-SG2.04.0 per NICU PRICING ONLY document)												
EXPEDITE FEE - 25%									\$ -	\$ -	\$ -	\$ -	
Note: 2-8 wks. per final approved shop drawings.													
ENGINEERING - Technical research, study, configuration, mock-ups, etc.													
ADMINISTRATIVE COST - Drafting / planning hours spent for new sign shop drawings													
STAGING / LOAD & DELIVERY / TRANSPORT									\$ -	\$ -	\$ -	\$ -	
TOTAL SUBCONTRACTOR DIRECTS - SELF PERFORMED									\$ 634.00	\$ 2,536.00	\$ -	\$ 3,172.28	
Labor Markup				18%					\$ 125.10			\$ 125.10	
Material Markup				15%						\$ 380.73		\$ 380.73	
Equipment Markup				15%							\$ -	\$ -	
SUBTOTAL SUBCONTRACTOR CHANGE ORDER MARKUP - ON SELF PERFORMED WORK									\$ 135.10	\$ 380.73	\$ -	\$ 505.83	
BOND COSTS												\$ -	
Tax on Materials				9%								\$ 228.44	
TOTAL SUBCONTRACTOR AMOUNT - SELF-PERFORMED WORK									\$ 869.10	\$ 2,916.93	\$ -	\$ 4,106.47	



SINCE 1979

INTERIOR AND ACOUSTICAL CONTRACTORS

Change Proposal

Date:	1/27/14	GFE Change Order #	84 a
To:	Clark Construction Co.	Contractor	Clark Const
Attn:	Marie Nguyen / Joe Barnard	Project #	12109
Project:	Highland Hospital ACT	Appl Tracking #	14-033
Subject:		Clark PCO	810276 A ✓
		Owner request PCO#	243

Descriptions of Change: Owner requested change (PCO# 243) for NICU, Not Part of the approved permit drawings
Unit price

Materials :	BIM cost	500
		\$0.00
		\$0.00

Labor :		\$0.00
		\$0

Subtotal		\$500
Overhead and profit	15%	\$75
Subtotal		\$575
Bond 1.5%	1.5%	\$9
Total Added Cost		\$584

Exclusions: Vacuuming of floors, protection of finishes, moving of owner furniture, overtime.

Per the terms of our contract we are required to get approval in writing. Please notify us as soon as possible so we can secure the materials and mobilize our labor and equipment for this change order.

If you have any question or require additional information, please feel free to contact me.

Sincerely


Jack Haugen
Vice President, COO

File # 12109



SINCE 1979

INTERIOR AND ACOUSTICAL CONTRACTORS

Change Proposal

Date:	1/27/14	GFE Change Order #	84 b
To:	Clark Construction Co.	Contractor	Clark Const
Attn:	Marie Nguyen / Joe Bernard	Project #	12109
Project:	Highland Hospital ACT	Appl Tracking #	14-033
Subject		Clark PCO	810278 B ✓
		Owner request PCO#	243

Descriptions of Change: Owner requested change (PCO# 243) for NICU, Not Pat of the approved permit drawings see attached take off of changes in scope.

Materials :					Unit price	
Add Ceilings	AL-1	30	sqft	@	\$4.66	139.8
Deduct Ceilings	AL-2	-143	sqft	@	\$5.85	(\$838.55)
Add Ceilings	MP-1	203	sqft	@	\$25.07	\$5,089.21

Labor :	Add Ceilings	AL-1	30	sqft	@	\$4.66	\$139.80
	Deduct Ceilings	AL-2	-143	sqft	@	\$4.66	-\$666
	Add Ceilings	MP-1	203	sqft	@	\$14.22	\$2,887

Subtotal							\$6,754
Overhead and profit	15%						\$1,013
Subtotal							\$7,767
Bond 1.5%	1.5%						\$117
Total Added Cost							\$7,884

Exclusions: Vacuuming of floors, protection of finishes, moving of owner furniture, overtime.

Per the terms of our contract we are required to get approval in writing. Please notify us as soon as possible so we can secure the materials and mobilize our labor and equipment for this change order.

If you have any questions or require additional information, please feel free to contact me.

Sincerely


Jack Haugen
Vice President, COO

File # 12109

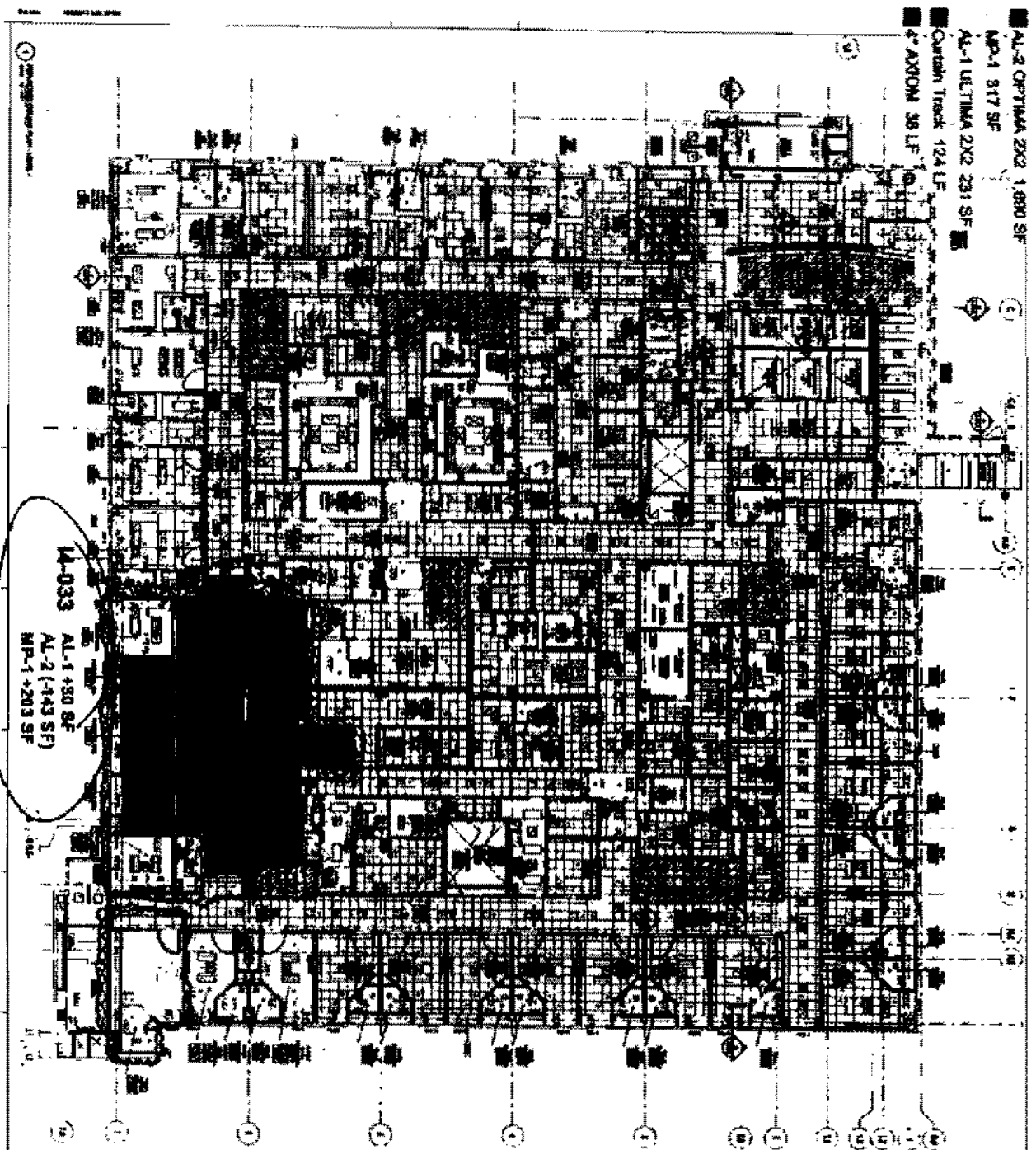
32 Leveroni Court, Suite 101 Novato, CA 94949

Phone: (415) 884-0399

Fax: (415) 884-0395

License No.: 634157

AL-2 OPTIMA 2X2 1,890 SF
 MP-1 317 SF
 AL-1 ULTIMA 2X2 231 SF
 Corridor Track 124 LF
 AXION 38 LF



14-033
 AL-1 +30 SF
 AL-2 (-143 SF)
 MP-1 +203 SF

LEGEND

[Symbol]	ADULT CARE TOWER
[Symbol]	UNFINISHED CEILING
[Symbol]	FLOOR FINISH
[Symbol]	WALL FINISH
[Symbol]	DOOR
[Symbol]	WINDOW
[Symbol]	STAIR
[Symbol]	ELEVATOR
[Symbol]	MECHANICAL
[Symbol]	PLUMBING
[Symbol]	ELECTRICAL
[Symbol]	TELEPHONE
[Symbol]	TELEVISION
[Symbol]	RECORDING
[Symbol]	VIDEO
[Symbol]	DATA
[Symbol]	OTHER

NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND REGULATIONS.
2. ALL MATERIALS AND FINISHES SHALL BE AS SHOWN ON THE LEGEND AND SPECIFICATIONS.
3. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
4. ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ARCHITECT.

PROJECT INFORMATION

PROJECT NAME: ADULT CARE TOWER
 PROJECT NUMBER: 14-033
 PROJECT LOCATION: [Address]
 PROJECT START DATE: [Date]
 PROJECT END DATE: [Date]

DESIGNER
 NAME: [Name]
 TITLE: [Title]

CLIENT
 NAME: [Name]
 ADDRESS: [Address]

DATE
 DATE: [Date]

SCALE
 SCALE: [Scale]

PROJECT NUMBER
 PROJECT NUMBER: 14-033

800 HICP MAILING UNIT (30% of Supply) 14-033; FINISH 2018 OCT; 12/20/14 10:27 AM