



April 2, 2025

Kristina Jones
Broadus & Associates
2330 Bloomdale Rd
McKinney, TX 75071

Subject: Collin County Healthcare Facility, Parking Garage, and Medical Examiners
Revised PCO No. 010; ASI #3 Revision Drawings

Dear Kristina:

Please find the attached Revised Request for Change (PCO) No. 010. This proposal is submitted for an Add of Three Hundred Eighty-Seven Thousand and Two Hundred Eighty-Four Dollars (\$387,284), reflective of the following items:

- **Per ASI #3 revised drawings.**
- **Added costs associated with revised scopes of work for the SD, HCB, MEB, and PG.**
 - **Site Development:**
 - Medium voltage scope of work was submitted separate in PCO #032.
 - Added costs for design of generator pad.
 - Added 2 storm drain lines.
 - **Healthcare Building:**
 - Added chilled water pumps.
 - Added 6" chilled water piping.
 - Located VFD booster pumps 1 and booster pump 2.
 - Elevator sump pumps increased size.
 - Rerouted and resized storm drain piping.
 - Added power, breakers, and disconnects for added chilled water pumps.
 - Added cost to widened beam near C/7.
 - Added costs to expand walls to accommodate piping. Floors 1 and 2.
 - **Medical Examiner Building:**
 - Added Pheonix valve schedule with added VAV's.
 - Removed VAV-S6.
 - Relocated VAV-S17.
 - Added chilled water pumps.
 - Resized chilled water piping.
 - Added power, breakers, and disconnects for added chilled water pumps.
 - Credit back for removal of terrazzo flooring in Sallyport.
 - Added costs for added sealed concrete in Sallyport.
 - **Parking Garage:**
 - Added costs for upgraded concrete beam schedules.
- ***This PCO will be an add to our contract in the amount of \$387,284.***

We have not proceeded with this change pending approval of this PCO. Please sign the attached request for change recap indicating approval of this change.

Sincerely,

Jim Terhune

Jim Terhune
Sr. Project Manager

CC: Bryan Smith , PGAL



Request for Change

Issue No. 010

☐ Collin County

☐ PGAL - Dallas (Addison)

☐ Project Manager

☐ Accounting

Project:	Owner :	From:
224057- Collin County Medical Campus	Collin County	The Christman Company
2300 Bloomdale Rd	2300 Bloomdale Rd; Suite 3160	130 E. John W. Carpenter Fwy. Suite 200
McKinney, TX 75071	McKinney, TX 75071	Irving, TX 75062

Issue No.	010 - ASI #3 Drawing Revisions	Amount
Item:	1 Healthcare Building	

Phase	Description	Abbreviation	Amount
10 -	Concrete	SUBS	595.00
21 -	Drywall & Acoustical (Healthcare Bldg)	SUBS	3,580.00
27 -	Plumbing	SUBS	148,339.00
28 -	Electrical	SUBS	10,789.00
41 -4110	Payment and Performance Bonds	OTHER	1,388.00
41 -4120	Builder's Risk Insurance	OTHER	131.00
60 -	Overhead & Profit	OTHER	8,302.00
99 -	General Liability Insurance	OTHER	1,225.00
Subtotal Item 1			174,349.00

Item:	2 Medical Examiners
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Phase	Description	Abbreviation	Amount
22A-	Terrazzo	SUBS	-25,920.00
22B-	Resinous Flooring, Wall & Polished Concrete	SUBS	1,280.00
27 -	Plumbing	SUBS	193,217.00
28 -	Electrical	SUBS	15,520.00
41 -4110	Payment and Performance Bonds	OTHER	1,565.00
41 -4120	Builder's Risk Insurance	OTHER	147.00
60 -	Overhead & Profit	OTHER	9,359.00
99 -	General Liability Insurance	OTHER	1,381.00
Subtotal Item 2			196,549.00

Item:	3 Site Development
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Phase	Description	Abbreviation	Amount
02A-	Site Utilities	SUBS	10,688.00
10 -	Concrete	SUBS	2,519.00
41 -4110	Payment and Performance Bonds	OTHER	112.00
41 -4120	Builder's Risk Insurance	OTHER	11.00
60 -	Overhead & Profit	OTHER	671.00
99 -	General Liability Insurance	OTHER	99.00
Subtotal Item 3			14,100.00



Request for Change

Issue No. 010

☐ Collin County

☐ PGAL - Dallas (Addison)

☐ Project Manager

☐ Accounting

Project:

224057- Collin County Medical Campus

2300 Bloomdale Rd

McKinney, TX 75071

Owner :

Collin County

2300 Bloomdale Rd; Suite 3160

McKinney, TX 75071

From:

The Christman Company

130 E. John W. Carpenter Fwy, Suite 200

Irving, TX 75062

Item:

4

Parking Garage

Phase	Description	Abbreviation	Amount
10 -	Concrete	SUBS	2,141.00
41 -4110	Payment and Performance Bonds	OTHER	18.00
41 -4120	Builder's Risk Insurance	OTHER	2.00
60 -	Overhead & Profit	OTHER	109.00
99 -	General Liability Insurance	OTHER	16.00
Subtotal Item 4			2,286.00
			0.00
Request for Change Total:			\$387,284.00

Qualifications:

1. This Issue is

☐ Original

☒ Revised

☐ Budget Only

☐ Firm Quotation.

2. Contract time will be

☐ Increased by

☐ Decreased by () work days;

☒ Other: None

3. The Christman Company

☐ has

☒ has not proceeded with the work, and this Issue must be accepted within () work days.

4. Funded by

☒ Contract change

☐ Allowance

☐ Contingency

☐ Other:

Owner and/or Architect Action:

☐ Approved

☐ Proceed as described above (cost and schedule changes to be finalized under a revised Issue)

☐ Rejected

☐ Other:

Authorization:

The Owner and/or Architect hereby direct The Christman Company to proceed with the performance of the work as described above and/or in any additional documents referenced herein. It is understood that the amount of this Request for Change, if noted as "Budget Only" under Qualification 1., will be revised as necessary upon determination of final costs and included in the next Owner Change Order accordingly. If noted as "Firm Quotation" under Qualification 1., the amount of this Request will be included in the next Owner Change Order. In addition, all costs included herein may be included in the next payment application as if they had been included in an Owner Change Order or Construction Change Directive.

Authorized By Owner:

Collin County

2300 Bloomdale Rd; Suite 3160

McKinney, TX 75071

Accepted By Architect

PGAL - Dallas (Addison)

14135 Midway Road, Suite G-200

Addison TX 75001

Submitted By Contractor:

The Christman Company

130 E. John W. Carpenter Fwy, Suite 200

Irving, TX 75062

By:

Date:

By:

Date:

4/2/25

By:

Date:

Jim Terhune

Authorized agent by Jim Terhune
By: 03/31/2025
Email: jterhune@christman.com
The Christman Company
Collin County
Date: 03/31/2025 11:42:52 AM



Allied Concrete Systems, LLC

Date: January 7, 2025
Proposal # ACS2-154 **Change Order #1**
Project Name: Collin Co Healthcare – Medical Examiner
Project Location: 2330 Bloomdale Road McKinney, TX 75071

Submitted to: The Christman Company
Attn: Carolina Haylow

Base Proposal

Allied Concrete Systems proposes to furnish all material, equipment, and manpower to perform the following scopes of work.

Item #1

Additional **Sealed Concrete** to approximately 2,136 sqft of new concrete at the following locations: **ME Sally Port**

- A. Prep to manufacturers recommendations.
 - Sand/clean floor with 80 grit sanding screens
 - Patch quarter size spalls.
- B. Apply (1) coat of **L&M Seal Hard** densifier per manufacturer's recommendation.

Total \$1,216.00

Breakdown

Labor/Equipment: \$725
Material: \$300
Markup: 15%

Change Order #1 - \$1,280.00

CLARIFICATIONS:

If the concrete has a high moisture content, a moisture barrier may be needed. Any patching needed will not be an exact match to the existing concrete. Any leave outs, plumbing trenches or concrete that has been placed at different times can have an end result of a different appearance in aggregate color and, or polish sheen. If ACS has to provide certified payroll, FC Background Checks, Drug Testing, badging or orientations (1HR Max) to any contract/invoice/PO work will be \$150.00/man. All additional samples are to be billed at \$500.00 for each sample. This bid is good for 30 days from the date of this proposal.

EXCLUSIONS:

Any and all permits, bonds, licenses, engineering, materials testing, acid stain, concrete dye, water-based stain, cove base, waxing, poly protection, floor protection, sealants at slab on grade or patching, coefficient of friction testing, coating failure due to high moisture, concrete placement of mock-up and

signage are excluded. General contractor responsible for providing accessibility, lighting, electrical power, and a minimum of 30,000 sf clean workspace a day must be available.

This bid is based on one move in. **Any additional move-ins will be billed at \$2,500.00 each.**

This proposal is based on normal work hours of 7:00 am – 5:00 pm, Monday thru Friday.

PRICING FOR ANY OF THE EXCLUSIONS IS AVAILABLE UPON REQUEST

Accepted by:  Date: April 2, 2025

Thank you for this opportunity,

Tylor Himes

General Manager
C: 940-224-5830
E: tylor@alliedconcretesystems.com



January 20, 2025

The Christman Company

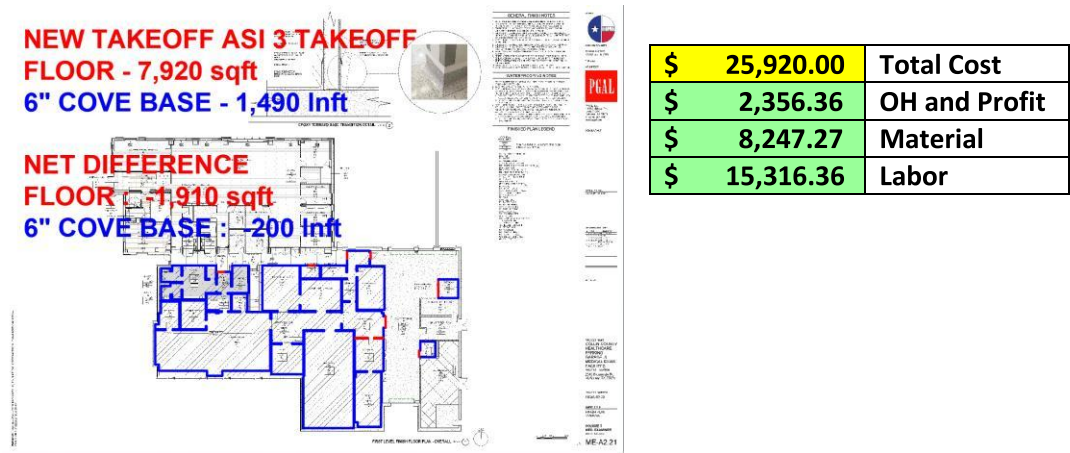
REVISION 1

Project: Collin County Medical Campus ASI#3 Drawing Revisions
Re: Terrazzo Floor Credit Back

We propose issuing a credit for all labor and materials associated with the changes to the Terrazzo outlined in ASI 3. As a contracting member of The National Terrazzo & Mosaic Association, Andreola Terrazzo & Restoration, Inc. would adhere in strict accordance to all N.T.M.A. guidelines and specifications as well as those outlined by the Architect of record. We propose to do so for the amount of:

\$ 25,920.00
(Twenty-Five Thousand Nine Hundred Twenty Dollars)

The following areas are included within our bid:
Terrazzo at: As per finish plans
About 1,910 sqft deducted
About 200 lft of 6" Cove Base Deducted



Thank you in advance for all considerations this proposal may receive.
Regards,

Andreola Terrazzo & Restoration, Inc.

Michael Conde



Dallas Fort Worth, Texas
4844 S Buckner Blvd
Dallas, Texas 75227
Phone: (214) 388-4581

Project: 2466013 - COLLIN CO HEALTHCARE BLDG
2300 BLOOMDALE RD
MCKINNEY, Texas 75071

Client Contract Potential Change Order #001: CE #001 - ASI#3 Pricing

PCO NUMBER/REVISION:	001 / 0	CONTRACT:	2466013 - CHRIS750 - 2466013 Prime Contract
REQUEST RECEIVED FROM:	Cale Caruthers	CREATED BY:	Jeremy Darden (Midwest Drywall Co., Inc.)
STATUS:	Pending - In Review	CREATED DATE:	12/17/2024
REFERENCE:		SCHEDULE IMPACT:	
FIELD CHANGE:	No	TOTAL AMOUNT:	\$3,579.88

POTENTIAL CHANGE ORDER TITLE: CE #001 - ASI#3 Pricing

CHANGE REASON: Design Development

POTENTIAL CHANGE ORDER DESCRIPTION: (The Contract Is Changed As Follows)
CE #001 - ASI#3 Pricing

ATTACHMENTS:
[HC A2.01.pdf](#) , [HC A2.02.pdf](#) , [HC IA2.32.pdf](#)

Description	Qty	Units	Unit Cost	Amount	Overhead 10.00%	Profit 5.00%	Subtotal
5/8" Drywall	423.0	sf	\$0.55	\$232.65	\$23.27	\$12.80	\$268.72
Metal Studs	501.0	lf	\$0.85	\$425.85	\$42.59	\$23.42	\$491.86
Metal Track	80.0	lf	\$0.75	\$60.00	\$6.00	\$3.30	\$69.30
Hours	50.0	hours	\$55.00	\$2,750.00	\$0.00	\$0.00	\$2,750.00
Subtotal:				\$3,468.50	\$71.86	\$39.52	\$3,579.88
Grand Total:							\$3,579.88



1275 Valley View Lane, Irving Texas, 75061
TECL #30320 - TACLA#15355E - TSBPE#37799

Rquest For Change

Date:	<u>12/23/2024/3/12/25</u>	RFC#:	<u>9</u>
To:	<u>The Christman Company</u>		
Address:	<u>130 E. John Carpenter Freway, Ste 200</u> <u>Irving, TX 75062</u>		
Attn:	<u>Jim Terhune</u>		
Project Name:	<u>Collin County Medical Campus-ASI-02-I</u>		
Subject:	<u>ASI-03 MEB HVAC Only-R1</u>	CEC Proj. #	<u>ME24-20</u>

Scope of Change: See description below

MEB only

3/26/2025

RFC Total: \$193,217 Time Extension: Days

Exclusions: Overtime

See Page 2 for Qualifications.
See attached RFC Recap for Cost breakdown.



1275 Valley View Lane, Irving Texas, 75061
TECL #30320 - TACLA#42022C - TSBPE#37799

Qualifications:

- 1) This Proposal is valid for 15 days. Should approval be received after such time, or work is covered up by other trades prior to approval being received, CEC reserves the right to re-price and address any schedule
- 2) This Proposal includes any appropriate credits.
- 3) This proposal excludes any electrical, fire protection, fire alarm, drywall, roofing, or architectural finishes of any type.
- 4) This Proposal excludes any sawcutting, removal of concrete work or demo of any kind that is not specifically included in the proposal.
- 5) The cost of this change includes only those direct cost that can be identified at this time. There are no impact or ripple costs and no delay cost included in this proposal, unless stated otherwise. Should it be determined at a later date that we are experiencing impact cost because of multiple changes, delays, or other causes beyond our control, we will submit those cost at that time. Therefore, CEC, expressly reserves all rights to additional compensation for schedule changes, performance cost increases, other direct cost, indirect cost, ripple effects, and/or impacts not presently known and or determined directly or indirectly arising out of or related to the subject of this modification, to include appropriate overhead costs, general, managerial and administrative costs and profit
- 6) This proposal is an estimate of the costs to perform the work covered by the change order. The actual cost of the work and related changes could be higher or lower than our current estimate. It should be noted that the above amount is a lump sum price.
- 7) This proposal is fair and equitable for the work requested and a change order should be issued immediately so as not to delay the project. If the proposal does not result in a formal change order to our contract within 15 days, we reserve the right to revise our price.
- 8) This proposal excludes any work not specifically described with-in.
- 9) This proposal includes pricing based on data from MCAA, CEC's previous experience, and from the CEC SOP.
- 10) This proposal accounts for one (1) mobilization / pass of work to accomplish defined scope.
- 11) This proposal is based on working normal business hours and excludes overtime or shift work unless specifically included above. It OT is required the impacts from cumulative OT will be calculated per the MCAA / NECA Tables.

CEC Facilities Group, Mechanical

(sign)
PM Name and Title here

03/26/25				10:40 AM	
Job: Collin County Medical Campus-ASI-02-HCB				RFC #	9
HEATING, VENT & AIR COND:			Mtl & Sub	Labor	Notes
HVAC Equipment			\$53,807	(2)	
HVAC Misc Items			\$23,334	45	
Ref Piping			\$0	0	
Ch Wtr Bel			-\$32	(2)	
Ch Wtr Abv			\$21,717	339	
Htng Wtr Bel			\$0	0	
Htng Wtr Ab			\$0	0	
Cond Wtr Bel			\$0	0	
Cond Wtr Ab			\$0	0	
Chem Feed			\$0	0	
Steam Piping			\$0	0	
Cond Return			-\$30	(0)	
Equip Drain			-\$18	(0)	
Ductwork & Accessories			-\$87	(1)	
Duct Labor Credit			\$0	0	
Misc			\$0	0	
Excavation			\$0	0	
Demolition			\$0	0	

Rental Equipment			\$0	***	
Small Tools	0.0%	18520	\$0	***	
Consumables	0.0%	18520	\$0	***	

Sales Tax	0.00%	\$98,692	\$0	***	Material / Equip
Sales Tax	0		\$0	***	Rentals, Cons.Tools

Subcontractors			\$31,832	***	
Matl Hand.			\$0	19	
Safety			\$0	19	
QA/QC			\$0	9	
Clean-up			\$0	15	
Warranty/hrs		\$98,692	\$2,961	0	
Permits			\$0	***	
W'house/trip	\$125	0	\$0	***	
Overtime Prod Loss			***	0	
SUBTOTALS			\$133,485	441 hrs	
Labor:					
	(Rate)	(Hrs)			
HVAC	\$42.00	441	\$18,520		
Prem Time	\$21.00	0	\$0		
Superintendent	\$55.00	11	\$606		
Crew FMN	\$45.00	132	\$5,953		
P/R Burden	45.0%	\$25,079	\$11,286		
TOTAL HVAC LABOR			\$36,365		
TOTAL HVAC COST			\$169,850		

3/26/2025				10:40 AM			
<div>CEC Facilities Group</div> <div>1275 Valley View Lane</div> <div>Irving, Texas 75061</div> <div>Tel: 817-734-0040</div>							
<div>SUMMARY SHEET</div>							
Job: <u>Collin County Medical Campus-ASI-02-HCB</u>				Est No: <u>9</u>			
Plumbing				HVAC		Total	
Equipment/Fixtures				\$0		\$77,141	
Materials				\$0		\$21,551	
Labor Hours				0 Hrs		584 Hrs	
Labor Cost				\$0		\$36,365	
Subcontractors				\$0		\$31,832	
Rental Equipment				\$0		\$0	
ODJC				\$0		\$2,961	
BIM				\$0		\$0	
Sales Tax				\$0		\$0	
Subtotal				0		169,850	
Office / mo.				\$500		Time 0	
Job Veh / wk				\$350		Time 0	
Trash / mo				\$200		0	
FUEL				\$300		0	
Reprographics				\$75		0	
Detailing /Hr				\$75		0	
Estimating /hr				\$75		0	
Proj Mgr / hr				\$75		0	
Trav/trips				\$0		0	
TOTAL COST				\$0		\$175,327	
CEC Cost (No subcontractors)				\$0		\$143,495	
Overhead				5.0%		5.0%	
SUB TOTALS				\$0		\$150,669	
Profit				5.0%		5.0%	
CEC Total (No subcontractors)				\$0		\$158,202	
SubContractor				\$0		\$31,832	
Subcontractor M/U				10.0%		10.0%	
Subcontractor Total				\$0		\$35,015	
TOTALS				(NO BOND REQ)		\$0	
Perf Bond Prem				n		NO BOND REQ	
				\$0 Plumb		\$193,217 HVAC	
RFC TOTAL-->				\$193,217			

ARCHITECTURE
ENGINEERING
INTERIORS
PLANNING



Date: November 22, 2024
Project: **Collin County Healthcare, Parking Garage and Medical Examiner Facilities:
Volumes 1, 2, 3, and 4**
PGAL Project Number: 1006549.00

ARCHITECT’S SUPPLEMENTAL INSTRUCTIONS (ASI) No. 3
Drawing changes and clarifications to the Permit Set

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time, unless specifically approved by the Architect and Owner. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in Contract Sum or Contract Time, unless specifically approved by the Owner through an approved Change Order after changes to time and cost have been accepted.



The narrative below summarizes the changes that have occurred between ASI #3 to this document.

ALEXANDRIA
ATLANTA
AUSTIN
BOCA RATON
DALLAS/FORT WORTH
DENVER
HOBOKEN
HOUSTON
LAS VEGAS
LOS ANGELES
SALT LAKE CITY
SAN DIEGO

VOLUME 3 (ME) DRAWING REVISIONS NARRATIVE:

- 42. **SHEET ME-M1.00** Included in ASI-03, cost impact
 - a. Removed VAV-S6 from plans
 - b. Removed VAV-S17 from the Valve Only VAV Box – Hot water Schedule
 - c. Removed VAV-E2 and VAV-E15 from the Valve Only VAV Box – Cooling Only Schedule
 - d. Added CHWP-1 and CHWP-2 to the Pump Schedule
- 43. **SHEET ME-M1.01** Included in ASI-03, cost impact
 - a. Created Pheonix Valve Schedule
 - b. Added VAV-S17, VAV-E2, VAV-E15 to the Pheonix Valve Schedule
- 44. **SHEET ME-M2.01** Included in ASI-03, no cost impact
 - a. Revised terminal units, ductwork, and air devices serving *135 SPECIMEN STORAGE*.
- 45. **SHEET ME-M3.01** Included in ASI-03, cost impact
 - a. Revised piping to terminal units serving *135 SPECIMEN STORAGE*.
 - b. Added CHWP-1 and CHWP-2 to plans
 - c. Rerouted piping to accommodate new chilled water pumps
 - d. Added Notes-By-Symbol 5, 6, and 7
 - e. Added CHWS/R branches to serve future AHU
- 46. **SHEET ME-M6.04** Included in ASI-03, cost impact
 - a. Added Controls Diagram and Sequence of Operation for Pheonix Valves.
- 47. **SHEET ME-M6.08** Included in ASI-03, cost impact
 - a. New sheet for Chilled Water Pump controls diagram and sequence of operation



HTS Texas

Dallas

Fort Worth

T 866.544.1487

F 469.263.1000

1625 Wallace Drive, Suite 120
Carrollton, Texas 75006
7415 Whitehall, Suite 109
Richland Hills, Texas 76118
TACLA533390C
texas.htseng.com

PROJECT : Collin County Healthcare, Parking,
Medical Examiner – ASI#3

HTS JOB # : 22401124

REV # : 1 ASI#3

HTS Contact : Dalton Posehn

HTS Email : Dalton.posehn@hts.com

HTS Phone# :

TO : CEC Facilities

DATE : March 26, 2025

DELIVERY TERMS : F.O.B - FFA

TERMS OF PAYMENT : Net 30 Days (WAC)

ENGINEER :

PLANS DATED : 11.22.24

THRU ADDENDUM # :

Heat Transfer Solutions is pleased to offer you the equipment as listed and priced below:

ITEM	DESCRIPTION	QTY	TAGGING	PRICE
	Medical Examiner			
A	Deleted VAV-S6	1		
			Deduct price:	\$218
B	Deleted (1) Tag: A w/ trim frame	1		
			Deduct price:	\$45
C	Revised VAV-E2 to be Phoenix Valve in lieu of a standard LMHS	1		
			Deduct price:	\$172
			Total Deduct Price:	\$435

credit 2 hours



HTS Texas

Dallas

Fort Worth

T 866.544.1487

F 469.263.1000

1625 Wallace Drive, Suite 120

Carrollton, Texas 75006

7415 Whitehall, Suite 109

Richland Hills, Texas 76118

TACLA533390C

texas.htseng.com

TERMS AND CONDITIONS OF SALE

COMPANY: The Company as used herein shall mean HTS Texas.

PRICE POLICY: Prices of the good may be increased depending on the date of release and/or shipment of the order, announced increases in the Company's list prices, or increases in labor and material cost.

TERMS OF PAYMENT: Terms of payment are subject at all times to prior approval of the company's credit department. Terms of payment are net 30 days of date of invoice unless previously otherwise agreed in writing. If at any time the financial condition of the Purchaser or other circumstance affecting the credit decision, in the Company's opinion, does not justify continuance of production of products or shipment of products on the terms of payment specified, the Company may require full or partial payment in advance, or may at its sole discretion stop or delay production or shipment of products. In the event of default in payment, Purchaser agrees to pay all costs of collection incurred by the Company including but not limited to collection agency fees, attorney fees and court costs. All past due amounts shall bear interest at highest rate allowed by law.

SHIPPING TERMS: All shipments will be made to FOB with freight as quoted. All shipments will be made via a low cost common carrier and charges for special carrier services requested by the Purchaser shall be paid by the Purchaser. The Company may ship the goods in one or more lots.

CLAIMS: The responsibility of the Company for all shipments ceases upon delivery of goods in good order to the carrier. Since all goods are shipped at Purchaser's risk, damage or shortage in transit must be filed by Purchaser against the carrier. Claims for factory shortages will not be considered unless made in writing to the Company within ten (10) days after receipt of the goods and accompanied by reference to the Company's bill of lading and factory order numbers.

TAXES: The amount of any present or future taxes applicable to the product shall be added to the price contained herein and paid by the Purchaser in the same manner and with the same effects as if originally added thereto.

CANCELLATIONS: Accepted orders are not subject to cancellation without the Company being reimbursed for any and all expenses, and being indemnified by Purchaser against any and all loss.

SHIPMENT DATES: Shipment dates are only estimates. No contract has been made to ship in a specified time unless in writing, and signed by two officers of the Company.

PRODUCT CHANGES: In the interest of continuous product improvements, the Company reserves the right to change specifications and/or design without incurring obligation.

RETURNED GOODS: Goods may not be returned except by permission of an authorized Company official, and when so returned will be subject to handling and transportation charges. Authorized return goods must be shipped prepaid to the location designated by the authorization.

LIMITED WARRANTY: Free replacement parts will be provided by the manufacturer the Company represents in the event any product supplied by the Company and used in the United States proves defective in material or workmanship for a period of twelve (12) months from the initial start-up or eighteen (18) months from date of shipment, whichever expires sooner. Goods sold under this agreement are warranted only to the extent that the manufacturer warranted them to the Company or directly to the Purchaser. The Company's liability to the Purchaser shall not exceed the lesser of the cost of correcting defects in the goods sold or the original purchase price of the goods, and the Company shall not in any event be liable to buyer or third parties for any delays of special, indirect, or consequential damages. The Company's warrant does not apply to any goods which have been opened, disassembled, repaired, or altered by anyone other than the Company or its authorized service representative or which have been subjected to misuse, misapplication, or abuse. The Company is not obligated to pay any labor or service costs for removing or replacing parts, or any shipping charges. Refrigerants, fluids, oils, and expendable items such as filters are not covered by this warranty. This parts warranty and any optional extended warranties are granted only to the original user. Company's duty to perform under any warranty may be delayed, at Company's sole option, until Company has been paid in full for all goods purchased by Purchaser. No such delay shall extend the warranty period. For additional consideration the Company will provide an extended warrant(ies) on certain goods or components thereof. To obtain assistance under this limited warranty please contact Heat Transfer Solutions 3350 Yale Street, Houston, TX 77018; (832) 328-1010. This warranty constitutes the purchaser's sole remedy. It is given in lieu of all other warranties; express or implied. There is no implied warranty of merchantability or fitness for a particular purpose. In no event and under no circumstances shall Heat Transfer Solutions Inc. be liable for incidental or consequential damages, whether the theory be breach of this or any other warranty, negligence, or strict tort. The company must receive a start-up information report for goods containing motor-compressors and/or furnaces. The registration/start-up form must be completed and returned to the Company within ten (10) days of original equipment start-up or start-up date and ship date will be deemed the same for warranty determination. No person has the authority to expand the Company's obligation beyond the terms of this express warranty.

TERMS OF SALE: Sale of goods covered hereby to Purchaser is made solely on the terms and conditions set forth herein, notwithstanding any additional or conflicting terms and conditions that may be contained in any purchase order or other form or purchase, all of which additional or conflicting terms and conditions are hereby rejected by the Company unless agreed upon in writing and signed by an officer of the Company. Specifically, the Company does not accept any holdbacks from its billings (see TERMS OF PAYMENT above). The Company is a supplier (not a contractor as defined in the Construction Lien Act) and is NOT subject to the holdback rules contained in the Construction Lien Act. No waiver, alteration or modification of the foregoing terms and conditions shall be valid unless made in writing and signed by an authorized official of Heat Transfer Solutions Inc. In particular and without limiting the foregoing, notwithstanding anything to the contrary in Purchaser's purchase order or any other documents, the Company does not accept any order subject to project design and specifications. Purchaser agrees to accept full and sole responsibility to determine whether the product ordered by Purchaser meets the design and specification requirements of any project.



1

McMillan James Equipment Co.
P. O. Box 2416
Grapevine, TX 76051
Phone: 817-912-0800 Fax: 817-912-0888

PROPOSAL

To: CEC Facilities Group – Josh Bump

Project: Collin County Healthcare - Medical Examiner

Location: _____

Bid Date: _____

Plan Date: _____ **Addendum:** _____

Project: _____

Plan #: _____

Engineer: _____

Proposal: _____ **Revision:** _____

We are pleased to propose the following equipment for your consideration on the above referenced project.

Summary of Item: Phoenix Controls Critical Airflow Control System

Phoenix Controls Supply Valves

Part #	Qty	Description
MAVA110	1	10" High Speed Celeris Phoenix Controls Supply Valve
Thermostat	1	Room Temperature/Humidity Sensor
DAT	1	Discharge Air Temperature Sensor
HW Coil	1	Hot Water Heating Coil
HW Piping Pkg	1	Hot Water Piping Package with TCV and Actuator

Phoenix Controls Exhaust Valves

Part #	Qty	Description
EXVB108	1	08" High Speed Celeris Phoenix Controls Exhaust Valve

Phoenix Controls Hood Valves

Part #	Qty	Description
EXVB110	1	10" High Speed Celeris Phoenix Controls Hood Exhaust Valve (Coated)
FHD130	1	Phoenix Controls Fume Hood Display
VSS	1	Phoenix Controls Vertical Sash Sensor
DHV	1	Phoenix Controls Digital Hood Valve Interface Card

Phoenix Controls Additional Equipment

Part #	Qty	Description
PCI8025LLNN	1	Phoenix Controls Integrator
PP	1	120v-24v 1000VA Power/Communication Panel

SCHEDULE OF SERVICES PROVIDED BY MCMILLAN JAMES:

- Installation of all Phoenix devices listed above except those as detailed by the Mechanical and Electrical contractors. The devices we are installing are
 - Room Thermostats
 - Discharge Air Temperature Sensors
 - Fume hood displays
 - Vertical Sash Position Sensors
 - Digital Hood Valve Interface Cards
 - Phoenix Controls Integrator
- Programing of all Phoenix Controls devices and all ancillary devices connected to the Phoenix System. The devices Include:
 - Valve Cards (4 Valve Controllers)
 - Fume Hoods (1)

- Vertical Sash Position Sensors
 - Fume Hood Monitors
- Water Control Valves
 - Hot Water Reheat Valves
- Discharge Temperature Sensors
- Thermostats
- Phoenix Room Integrators (PCI's)
- Startup of all Phoenix Controls devices and all ancillary devices connected to the Phoenix System. The devices Include:
 - Valve Cards (4 Valve Controllers)
 - Fume Hoods (1)
 - Vertical Sash Position Sensors
 - Fume Hood Monitors
 - Water Control Valves
 - Hot Water Reheat Valves
 - Discharge Temperature Sensors
 - Thermostats
 - Phoenix Room Integrators (PCI's)
- Commissioning of all Phoenix Controlled Laboratories including all ancillary devices connected to the Phoenix System.
 - Verifying proper operation of all Phoenix valves equipment in each room mode
 - Unoccupied
 - Occupied
 - Cooling demand
 - Heating demand
 - Fume hood demand
 - Verifying operation of room temperature sensor and slider if applicable
 - Verifying operation of discharge air temperature sensors
 - Verifying operation of hot water valves

SCHEDULE OF SERVICES NOT PROVIDED BY MCMILLAN JAMES:

- 120V power to Phoenix Controls power panels
- Install of Phoenix Controls valves
- Install of hot water coils and piping packages

ALL ITEMS LISTED BELOW ARE INSTALLED BY ELECTRICAL CONTRACTOR UNLESS NOTED OTHERWISE:

- 120V power to Phoenix Controls power panels

ALL ITEMS LISTED BELOW ARE INSTALLED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE:

- All Phoenix Controls valves
- Install of hot water coils and piping packages

NOTES:

- All areas are wired in plenum rated cable. No conduit.
- **FUME HOODS ARE QUOTED AS SINGLE VERTICAL SASH ONLY, IF FUME HOODS HAVE MULTIPLE VERTICAL OR HORIZONTAL SASHES EXTRA EQUIPMENT WILL BE NEEDED.**

1/3 material/equipment, 1/3 low voltage install/sub and 1/3 startup, programming, commissioning, engineering, TAB assistance. Per McMillan James

TOTAL DELIVERED PRICE (NOT INCLUDING TAXES).....\$ 54,242.00

Thank you for considering MJEC for the above referenced project. This proposal is valid for 30 days.

Regards,

Sales Person
Sales Representative
McMillan James Equipment Company

QUOTATION



Date 12/18/2024
To CEC
Attn: Josh Bump
By: Darren Rode

2

Project: Collin County Healthcare, Parking, MEF
Engineer: Summit
Based on Plans Dated: 01/22/2024 – ASI-03

PRICING SUMMARY – Deduct for VAV-S6

DESCRIPTION	QTY	TAGGING	TOTAL NET PRICE
Griswold Manual Balancing Valve and Strainer Package	1	VAV-S6	<\$248>

*FOB Factory, Full Freight Allowed, Tax Not Included
*Upon initial release of equipment we require 10% payment within 30 days for engineering services and submittals. Remainder of project will be per our standard terms and conditions.

Credited 1 hour

GRISWOLD Brass Manual CPP (Coil Piping Package) Each Containing:

Tag(s): VAVs

- Quickset Manual Venturi Valve with: Dual CPTA, Shut-Off Valve, & (1) Union End
- Isolator-S Strainer with: CPTA, Shut-Off Valve, Drain Valve, & (1) Union End
- Isolator-Union with CPTA

Notes:

1. **NOT** for use in potable/domestic water application.
2. 50-Mesh Startup Screen for Strainers.
3. CPTA = Combination P/T Port & Manual Air Vent
4. Control Valves are NOT included.
5. Flexible Hoses are NOT included.
6. ProPress Connections NOT included (available for additional cost)
7. CHW Brass Packages include: Extended Accessories
8. HW Brass Packages include: Standard Accessories
9. All components are rated for standard pressure system (class 125/150).
10. High-pressure components are NOT included (class 250/300).
11. Any components not mentioned above are NOT included.

This price does not include any applicable taxes or installation. Freight allowed.

-This quotation is subject to change without notice and void after 15 days.
-Add to the prices quoted any sales tax payable on the transaction under any effective Federal or State statute.
-F.O.B. Factory, FFA, per mutually agreed schedule. No material to be returned without written authorization.
-Payment terms: Net 30 Days, Upon Receipt of Satisfactory Credit Information.
-Texas AirSystems equipment will be supplied based upon approved submittal data.
-Retainage is not allowed. Texas AirSystems is a material supplier, and will be supplying the entire purchase order value upon delivery of equipment.
-Payment to Texas AirSystems cannot be conditioned on receipt of payment from the owner by a contractor, construction manager, or customer.
-Texas AirSystems standard warranty, parts only, is for 12 months from start-up date, not to exceed 18 months from ship date.
-Texas AirSystems is responsible and accountable only for the acts and omissions of Texas AirSystems.
-Insurance certificates and bonds can/will be provided upon request

QUOTATION



2

Date 2/25/2025
To CEC
Attn: Josh Bump
By: Darren Rode

Project: Collin County Medical Examiner
Engineer: Summit
Based on Plans Dated: 11/22/24, ASI#3

PRICING SUMMARY – MEDICAL EXAMINER

DESCRIPTION	QTY	TAGGING	TOTAL NET PRICE
Armstrong Design Envelope Vertical Inline Pumps	2	Model 4380 BP-1, 2	
Armstrong Design Envelope Vertical Inline Pumps	2	Model 4300 CHWP-1, 2	\$ 21,382
Suction Diffusers for Armstrong Pumps	4	Serving BP-1, 2, CHWP-1, 2	\$ 2,242
Pump Connectors (Line Size)	4	Serving BP-1, 2, CHWP-1, 2	\$ 1,075
Armstrong Triple Duty Valves (Line Size)	4	Serving BP-1, 2, CHWP-1, 2	
Expansion Tank	1	ET-1	
Spirotherm Air & Dirt Separator	1	ADS-1	
Total			

*FOB Factory, Full Freight Allowed, Tax Not Included
*Upon initial release of equipment we require 10% payment within 30 days for engineering services and submittals. Remainder of project will be per our standard terms and conditions.
** Tariffs are excluded and will, if necessary, be added to the invoice in addition to the contract amount, as a surcharge.
** If any new tariffs, duties, or similar government-imposed charges or increases to existing ones affect the products or services outlined in this proposal, those costs will be added as a surcharge.

Total for ASI-03= \$23,042.00

ARMSTRONG MODEL 4300/4380 DESIGN ENVELOPE VERTICAL IN-LINE PUMP

TAG: BP-1, 2, CHWP-1,-2

Armstrong Model 4380 complete as follows:

- Integrated Motor Mounted VFD
- Speed: 3600 RPM
- 460/3/60
- BACnet Native
- RS 485 Communication Port
- Suction Guide: SG

Added 40 hours
Model 4300 is split coupled, could not be selected in the 4380
Model 4380 is closed coupled. 4380 is scheduled, a 4300 is more expensive.
This is all per Darren Rode at Texas Air Systems.

SPIROTHERM MODEL VDN-400FA DIRT AND AIR SEPARATOR

TAG: ADS-1

Spirotherm Model VDN-400 complete as follows:

- Spirotube Medium
- 4 Inch Flanged ASME Connections
- Max Working Temperature: 270°F
- Max Working Pressure: 150 PSI

Includes:

- Brass Spirotop Automatic Air Vent
- Brass Ball Blow Down Valve

- Brass Skim Valve

BLADDER STYLE EXPANSION TANK

TAG: ET-1

Model complete as follows:

- Tank/Acceptance Volume: 53 Gallons
- Max Working Temperature: 240°F
- Max Working Pressure: 175 psi

NOTES AND EXCLUSIONS:

1. Vibration Isolation and Housekeeping pads are **NOT INCLUDED** and are by others.
2. Unloading, rigging, installation, wiring, piping, (unless specified above) are **NOT INCLUDED** and are by others.
3. Motor starters, controls, t-stats, timers, sensors, mounting, and control wiring are by others.
4. Cleaning shall be by others
5. Any permits (including preparation of the same) and associated fees shall be by others
6. All warranties are **Parts Only** and do not include labor unless specifically stated above.
7. **Commissioning Time is Not Included** in this quote. Demonstration of equipment performance unless specifically stated above is not included and will be an additional \$150/hour if requested.

This price does not include any applicable taxes or installation. Freight allowed.

-This quotation is subject to change without notice and void after 15 days.
 -Add to the prices quoted any sales tax payable on the transaction under any effective Federal or State statute.
 -F.O.B. Factory, FFA, per mutually agreed schedule. No material to be returned without written authorization.
 -Payment terms: Net 30 Days, Upon Receipt of Satisfactory Credit Information.
 -Texas AirSystems equipment will be supplied based upon approved submittal data.
 -Retainage is not allowed. Texas AirSystems is a material supplier, and will be supplying the entire purchase order value upon delivery of equipment.
 -Payment to Texas AirSystems cannot be conditioned on receipt of payment from the owner by a contractor, construction manager, or customer.
 -Texas AirSystems standard warranty, parts only, is for 12 months from start-up date, not to exceed 18 months from ship date.
 -Texas AirSystems is responsible and accountable only for the acts and omissions of Texas AirSystems.
 -Insurance certificates and bonds can/will be provided upon request

QUOTATION



2

Date 12/19/2024
To CEC
Attn: Josh Bump
By: Darren Rode

Project: Collin County Healthcare, Parking, MEF
Engineer: Summit
Based on Plans Dated: 01/22/2024 – ASI-03

PRICING SUMMARY – MEDICAN EXAMINER

DESCRIPTION	QTY	TAGGING	TOTAL NET PRICE
Vibration Eliminator Spring/Neoprene Hangers	12	Added Hangers	\$ 540

*FOB Factory, Full Freight Allowed, Tax Not Included
*Upon initial release of equipment we require 10% payment within 30 days for engineering services and submittals.
Remainder of project will be per our standard terms and conditions.

Added 6 hours

VIBRATION ELIMINATOR
Vibration Eliminator Models as follows:

- SNRC Springs
 - 1” Deflection
 - Powder Coated

This price does not include any applicable taxes or installation. Freight allowed.

-This quotation is subject to change without notice and void after 15 days.
-Add to the prices quoted any sales tax payable on the transaction under any effective Federal or State statute.
-F.O.B. Factory, FFA, per mutually agreed schedule. No material to be returned without written authorization.
-Payment terms: Net 30 Days, Upon Receipt of Satisfactory Credit Information.
-Texas AirSystems equipment will be supplied based upon approved submittal data.
-Retainage is not allowed. Texas AirSystems is a material supplier, and will be supplying the entire purchase order value upon delivery of equipment.
-Payment to Texas AirSystems cannot be conditioned on receipt of payment from the owner by a contractor, construction manager, or customer.
-Texas AirSystems standard warranty, parts only, is for 12 months from start-up date, not to exceed 18 months from ship date.
-Texas AirSystems is responsible and accountable only for the acts and omissions of Texas AirSystems.
-Insurance certificates and bonds can/will be provided upon request

Company: CEC Facilities Group
JobName: 24-20ME - Collin County Medical Examiner
Material Set: Factor 1
Labor Set: 0.8
Run Date: 12/20/2024 8:45
Sort Key: By Matl Group

☐ Subtotals

3



Matl Group	Qty	Size	Description	Wt	Unit Price	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total
anvbcs	2	5/8	#86 Galv Mal Cad Plated C-Clamp	0.9	\$ 3.41	1.00	\$ 3.41	\$ 6.82	0.18	0.4	1.00	0.4
anvbcs	20	3/4	#86 Galv Mal Cad Plated C-Clamp [Material price quote needed]	9.4	\$ -	1.00	\$ -	\$ -	0.18	3.7	1.00	3.7
anvhan	2	10	#260 Hot-Dipped Galv Clevis Hanger	0.9	\$ 24.02	1.00	\$ 24.02	\$ 48.04	0.39	0.8	1.00	0.8
anvhan	20	12	#260 Hot-Dipped Galv Clevis Hanger	9.4	\$ 31.57	1.00	\$ 31.57	\$ 631.40	0.39	7.8	1.00	7.8
ansvad	2	9x12	#167-10A CS Galv Ins Prot Shield	0.9	\$ 9.34	1.00	\$ 9.34	\$ 18.68	0.14	0.3	1.00	0.3
ansvad	20	11x18	#167-12B CS Galv Ins Prot Shield	9.4	\$ 14.45	1.00	\$ 14.45	\$ 289.00	0.14	2.7	1.00	2.7
anvthd	6	5/8	#146 Galv All Thread Rod	2.8	\$ 1.05	1.00	\$ 1.05	\$ 6.30	0.02	0.1	1.00	0.1
anvthd	60	3/4	#146 Galv All Thread Rod	28.2	\$ 1.61	1.00	\$ 1.61	\$ 96.60	0.03	1.5	1.00	1.5
bolts	160	5/8 x3	Hex Head Bolt w/ Nut	0.0	\$ 0.99	1.00	\$ 0.99	\$ 158.40	0.00	0.0	1.00	0.0
bolts	256	3/4 x3 1/4	Hex Head Bolt w/ Nut	0.0	\$ 1.59	1.00	\$ 1.59	\$ 407.04	0.00	0.0	1.00	0.0
domstl	20	4	Dom Blk A53B ERW Std Wt PE [Material price quote needed]	0.0	\$ -	1.00	\$ -	\$ -	0.26	5.1	1.00	5.1
domstl	200	6	Dom Blk A53B ERW Std Wt PE [Material price quote needed]	0.0	\$ -	1.00	\$ -	\$ -	0.35	70.4	1.00	70.4
fnwhgr	6	5/8	Hex Nuts	0.0	\$ 0.34	1.00	\$ 0.34	\$ 2.04	0.00	0.0	1.00	0.0
fnwhgr	60	3/4	Hex Nuts	0.0	\$ 0.52	1.00	\$ 0.52	\$ 31.20	0.00	0.0	1.00	0.0
fnwhgr	6	5/8	Plain Washer	0.0	\$ 0.06	1.00	\$ 0.06	\$ 0.36	0.00	0.0	1.00	0.0
fnwhgr	60	3/4	Plain Washer	0.0	\$ 0.06	1.00	\$ 0.06	\$ 3.60	0.00	0.0	1.00	0.0
fsolet	8	1/4	3000# Threaded Outlet [Material price quote needed]	0.0	\$ -	1.00	\$ -	\$ -	0.74	6.0	1.00	6.0
gasket	20	4x1/16	150# Gen Serv FF Gasket	0.0	\$ 1.33	1.00	\$ 1.33	\$ 26.60	0.00	0.0	1.00	0.0
gasket	32	6x1/16	150# Gen Serv FF Gasket	0.0	\$ 1.78	1.00	\$ 1.78	\$ 56.96	0.00	0.0	1.00	0.0
joint	96	1/4	Male Iron Pipe Thread Joints	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
joint	48	1/4	Female Iron Pipe Thread Joints	0.0	\$ 0.13	1.00	\$ 0.13	\$ 6.24	0.00	0.0	1.00	0.0
joint	10	4	300# Flange Joints	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
joint	16	6	300# Flange Joints	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
joint	4	4	200# Flange Joints	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
joint	12	6	200# Flange Joints	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
joint	16	4	Sch 40 Butt Weld Joints	0.0	\$ 2.20	1.00	\$ 2.20	\$ 35.20	0.00	0.0	1.00	0.0
joint	72	6	Sch 40 Butt Weld Joints	0.0	\$ 5.80	1.00	\$ 5.80	\$ 417.60	0.00	0.0	1.00	0.0
joint	8	1/4	Std Branch Weld on Pipe	0.0	\$ 0.90	1.00	\$ 0.90	\$ 7.20	0.00	0.0	1.00	0.0
malfit	16	1/4	300# Blk Mall 90 Ell	3.2	\$ 15.35	1.00	\$ 15.35	\$ 245.60	0.24	3.8	1.00	3.8
malfit	4	1/4	300# Blk Mall Tee	1.2	\$ 19.35	1.00	\$ 19.35	\$ 77.40	0.35	1.4	1.00	1.4
misc	10	4	Bolt & Gasket Set Only	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
misc	16	6	Bolt & Gasket Set Only	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
misc	2	4	Pipe Label	0.0	\$ 1.50	1.00	\$ 1.50	\$ 3.00	0.00	0.0	1.00	0.0
misc	20	6	Pipe Label	0.0	\$ 1.50	1.00	\$ 1.50	\$ 30.00	0.00	0.0	1.00	0.0
nbball	2	1/4	600# 2Pc FP Thd Ball Valve	1.0	\$ 18.95	1.00	\$ 18.95	\$ 37.90	0.32	0.6	1.00	0.6

Matl					Unit	Matl	Net	Net	Unit	Adj	Job	Job
Group	Qty	Size	Description	Wt	Price	Disc	Price	Total	Hours	Hours	Fact	Total
nbbfly	2	4	200# DI Lug Bfly ABDsc EPDM wLev	34.1	\$ 253.11	1.00	\$ 253.11	\$ 506.22	1.54	3.1	1.00	3.1
nbbfly	4	6	200# DI Lug Bfly ABDsc EPDM wLev	101.6	\$ 415.54	1.00	\$ 415.54	\$ 1,662.16	1.90	7.6	1.00	7.6
nbbbrnz	2	6	250# Flg BB Swing Check Valve	450.0	\$4,828.13	1.00	\$4,828.13	\$ 9,656.26	3.35	6.7	1.00	6.7
stlnip	24	¼ x6	Std Black Steel Nipple	4.8	\$ 3.49	1.00	\$ 3.49	\$ 83.76	0.02	0.6	1.00	0.6
stlnip	24	¼ x12	Std Black Steel Nipple	10.1	\$ 6.96	1.00	\$ 6.96	\$ 167.04	0.02	0.6	1.00	0.6
wldfit	5	6	Std Wt Steel Weld Tee	165.5	\$ 37.11	1.00	\$ 37.11	\$ 185.55	7.30	36.5	1.00	36.5
wldfit	8	6x4	Std Wt Steel Weld Conc Reducer	59.2	\$ 18.21	1.00	\$ 18.21	\$ 145.68	4.30	34.4	1.00	34.4
wldfit	12	6	Std Wt Steel Weld LR 90 Ell	288.0	\$ 42.51	1.00	\$ 42.51	\$ 510.12	4.88	58.6	1.00	58.6
wldflg	2	4	300# CS RF Blind Flange	54.0	\$ 44.31	1.00	\$ 44.31	\$ 88.62	1.07	2.1	1.00	2.1
wldflg	8	4	300# CS RF Weld Neck Flange	208.0	\$ 48.52	1.00	\$ 48.52	\$ 388.16	2.80	22.4	1.00	22.4
wldflg	16	6	300# CS RF Weld Neck Flange	720.0	\$ 75.57	1.00	\$ 75.57	\$ 1,209.12	3.81	60.9	1.00	60.9
				2162.8				\$ 17,245.87			338.1	338.1



WINSTON WATER COOLER, LTD.
6626 Oakbrook Blvd
DALLAS, TX 75235-4106
Phone 214-748-1484
Fax 214-748-1486

3



Quotation

EXPIRATION DATE	QUOTE NUMBER
03/27/2025	S5187875
WINSTON WATER COOLER, LTD. 6626 Oakbrook Blvd DALLAS, TX 75235-4106 Phone 214-748-1484 Fax 214-748-1486	
PAGE NO. 1 of 1	

QUOTE TO:

SHIP TO:

CEC FACILITIES GROUP
1275 VALLEY VIEW LN
IRVING, TX 75061

CEC FACILITIES- COLLIN COUNTY MEDIC
2300 BLOOMDALE RD
MCKINNEY, TX 75071

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON		
105697	CCMC ASI #3	CCMC MEB	Andrew Miller		
WRITER		SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
Ulisses Diaz		OT OUR TRUCK	NET 30 DAYS	02/25/2025	No
ORDER QTY	DESCRIPTION			UNIT PRICE	EXT PRICE
20ea	0500010236 ANVIL 94 3/4 PLTD WIDTHRT TOP BEAM C-CLAMP			5.551/ea	111.02
21ft	4 STD .237W A53B BLK PE IMP			9.427/ea	197.97
184ft	6 STD .280W A53B BLK PE IMP			16.574/ea	3049.62
8ea	0766260392 ANVIL 36-1/2X1/4 3000# THD UNIV ANLT			9.759/ea	78.07
Pricing is valid for a period of 30 days unless stated otherwise. Company standard terms of sale apply. Pricing on bids do not include sales tax. Material quoted is based on our interpretation of information provided and must be verified by buyer. All material returned must be pre-approved prior to return. Restocking fees, return freight / handling fees may apply.				Subtotal	3436.68
				S&H Charges	0.00
				Amount Due	3436.68



SUPERIOR INSULATION
CONTRACTORS LLC

TEXAS HUB CERTIFICATE:
1812996519200

4

BID PROPOSAL

CONTRACTOR INFORMATION

Josh Bump
CEC

Quote #24-1722

PROJECT

12/5/2024
Collin County Healthcare
ASI #3

Superior Insulation Contractors LLC proposes to furnish labor and materials for the following scope of work:

SCOPE OF WORK

HVAC-

- **Chilled Water Piping-** 2” thick Fiberglass pipe covering with factory applied ASJ jacket. Exposed piping will have field applied PVC jacket.
- **Equipment Included-** 4-CHW pumps

Plumbing-

- **Horizontal Storm Piping-** 1” thick Fiberglass pipe covering with factory applied ASJ jacket. Exposed piping will have field applied PVC jacket.

EXCLUSIONS

All systems not listed above, Bond, Tax, overtime, after hours, painting, identification, Heat trace. Condensate Drain Pans. Plenum wrap on non-rated piping. All piping below grade.

PRICING

Medical Examiner

Add 143hrs, Material \$4,123

Net add Labor \$9,385, Material \$4,123 =\$13,805 +5%OH +5%P = \$14,893

Proposal Submitted by:
Tommy (JR) Thompson
jr@superiorinsulation.us
214-803-9896

Insulation Breakdown
Pumps
Labor=\$2,344.00
Material=\$300.00
Pipe
Labor=\$4,352.00
Material=\$3,744.00
there is no ET is price



March 12, 2025

Job Description

Prepared For: Josh Bump

Title: Mech Senior Project Manager

Business Name: Collin County Med Examiner

Street Address:

City, State, Zip:

Prepared By: Michael Knight

Title: Controls Manager

Street Address: 1645 Wallace Drive, STE 130

City, State, Zip Carrollton, Texas 75006

email: michael.knight@hts.com

O: 469.263.1000

C: 469-540-0769



HTS Texas
3350 Yale Street
Houston, Texas 77018
Phone: 832-328-1010

Date: March 12, 2025

We are pleased to offer our proposal to complete the following scope of work:

Change Order Request for ASI #3 MEB:

Controllers, Wiring, Installation, and Checkout of the following:

MEB - Additional Chill Water Pumps (2) - \$981.42 per point
- Includes Controlling Pumps, providing bypass valve and control, supply and return temperature, supply and monitor Differential Pressure, Subco, BAS Controller, Graphics, Programming, Checkout, and Warranty

MEB - Pheonix Valve Integration Only
- Includes running comm to gateway (included) and from gateway to pheonix valves

MEB - VAV Deduct
- Includes controller, valve, and labor (Physical box will be a deduct from mechanical order)

OUR PROPOSAL EXCLUDES THE FOLLOWING:

- 1. Afterhours/Weekend work
- 2. Anything not specifically in the above scope of work
- 3. Any not minor repairs that require additional parts

MEB ASI #3 Pump Add	\$	18,647.00
MEB ASI #3 VAV Deduct	\$	(4,408.00)
MEB ASI #3 Pheonix Valve Add	\$	2,700.00
OUR PRICE FOR THIS SCOPE OF WORK IS.....	\$	16,939.00 Total
This price does not include sales tax.		

Signature constitutes acceptance of this proposal and Heat Transfer Solutions, Inc. is hereby authorized to perform the work as specified and at the above prices and conditions. Any alteration or deviations from the above specifications involving extra cost will be executed only upon written orders, and will become an extra charge over and above estimate.

Customer Approval	HTS Representative
Signature	Signature <i>Michael Knight</i>
Printed Name	Printed Name Michael Knight
Date	Date March 12, 2025

In order to ensure invoices are sent to the proper contact, please fill in the following and return with the signed proposal.

Billing Information

Invoices to be sent to the attention of: (Please Print)

Title:

Company Name:

Address:

City, State, Zip:

Attention:

Phone:

Fax:

Email:

PO#

* Will need Credit App filled out if new customer

Any special requirements your need to accept invoice:

Preferred method of invoice delivery:

STANDARD TERMS AND CONDITIONS

(1) THIS PROPOSAL IS EXPRESSLY CONDITIONED UPON THE TERMS AND CONDITIONS CONTAINED OR REFERRED TO HEREIN, INCLUDING THOSE SET FORTH ON THE REVERSE SIDE AND THOSE CONTAINED IN ANY ATTACHMENTS HERETO.

(2) Customer (Debtor) agrees to pay Heat Transfer Solutions, Inc. (Secured Party) all the sums due under this proposal in accordance with the terms specified. Debtor hereby grants a security interest to Secured Party in all equipment, goods and material described on the reverse side of this proposal as security for the indebtedness created hereunder and any other indebtedness due Secured Party by Debtor. On default of any payment by Debtor to Secured Party, and at Secured Party's option the entire balance shall become immediately due and payable and Secured Party shall have the right to foreclose and resell the said equipment, goods and material in accordance with the Provisions of the Texas Business and Commerce Code (Uniform Commercial Code) at public or private sale.

(2A) TERMS AND PROVISIONS OF CHARGE ACCOUNT AGREEMENT

PAYMENT: The Applicant shall pay to the Creditor the amount of all sales drafts and all other charges in respect of which the credit has been used together with interest thereon all or any portion of the foregoing herein called "indebtedness") within the time period on the creditor's invoice at the time of the sale.

INTEREST: The Applicant shall pay interest to the Creditor on the indebtedness at the annual percentage rate of 12% plus any and all collection fees required if turned over to a collection agency on accounts outstanding 30 days or more.

APPLICATION OF PAYMENT: Payments to reduce indebtedness shall be applied by the Creditor in the following order: interest charges; service fees; previously billed purchases; current purchases.

(3) Heat Transfer Solutions, Inc. liability on any claim for loss or damage arising out of this contract or from the performance or breach thereof or connected with the supplying of any labor, equipment, goods or material hereunder, or their sale, resale, operation or use, whether based on contract, warranty, tort (including negligence) or other grounds, shall not exceed the price allowable to such labor, equipment, goods or material, or part thereof involved in the claim. Heat Transfer Solutions, Inc. shall not, under any circumstances, be liable for any labor charges without the prior written consent of Heat Transfer Solutions, Inc... Heat Transfer Solutions, Inc. shall not, in any event, be liable, whether as a result of breach of contract, warranty, tort (including negligence), or other grounds, for special, consequential, incidental or penal damages, including, but not limited to, loss of profits, revenues, loss of the product or any associated product, cost of capital, cost of substitute products, facilities or services, downtime costs or claims of the Customer for such damages. If Heat Transfer Solutions, Inc. furnishes Customer with advice or other assistance which concerns any labor, equipment, goods, or material furnished hereunder, or any system or equipment in which of such equipment, goods or material may be installed, and which is not pursuant to this contract, the furnishing of such advice or assistance will not subject any service to any liability, whether based on contract, warranty, tort (including negligence) or other grounds.

(4) If Heat Transfer Solutions, Inc. encounters asbestos or polychlorinated biphenyl (PCB) on the site, Heat Transfer Solutions, Inc. shall immediately stop work and report the condition to the owner or owner's representative in writing. Heat Transfer Solutions, Inc. shall not resume work in the affected area until the asbestos or polychlorinated biphenyl (PCB) has been removed or rendered harmless. Heat Transfer Solutions, Inc. shall not be required to perform any work relating to asbestos or polychlorinated biphenyl (PCB) without its consent.

(5) Any installation dates given in advance are estimated. Installation will be made subject to prior orders with Heat Transfer Solutions, Inc.. Heat Transfer Solutions, Inc. shall not be liable for failure to perform or delay in performance hereunder resulting from fire, labor difficulties, delays in usual sources of supply, major changes in economic conditions, or, without limitation by the foregoing, any cause beyond Heat Transfer Solutions, Inc. reasonable control.

(6) On arrival of any equipment, goods or material at the shipping address specified on the reverse side hereof, Customer shall assume all risk of loss or damage to such equipment, goods or material.

(7) In the event Customer requires Heat Transfer Solutions, Inc. to delay shipment or completion of the work under this proposal, payment pursuant to this proposal shall not be withheld or delayed on such account. Heat Transfer Solutions, Inc. shall have the right to deliver any portion of the equipment, goods or material to be furnished hereunder and to bill Customer therefore, and Customer agrees to pay for the same in accordance with terms of the payment hereof upon notification that such shipment is ready for delivery, notwithstanding the fact that Customer may be unable to receive or provide suitable storage space for any such partial delivery. In such event, such portion of the equipment, goods or material ready for shipment may be stored by Heat Transfer Solutions, Inc. at Customer's risk and expense.

(8) The amount of any past, present or future occupation, sales, use, service, excise or other similar tax which Heat Transfer Solutions, Inc. shall be liable for, either on its own behalf or on behalf of Customer, or otherwise, with respect to any equipment, goods, material or service covered by this proposal, shall be in addition to the prices set forth herein and shall be paid by Customer.

(9) Any equipment, goods, material, or work in addition to that required hereunder or in plans and specifications that may be made a part hereof, will be paid for by Customer as extras.

(10) If the equipment, goods or material furnished hereunder requires the use of water or steam, recirculated or otherwise, Heat Transfer Solutions, Inc. shall not be liable for the effect of its physical or chemical properties upon said equipment, goods or material.

(11) When installation of the equipment, goods or material herein is required specifically as a part of this order, such installation work shall be performed only during usual working hours unless otherwise stated herein.

(12) All skilled or common labor which may be furnished by the Customer shall be considered and treated as Customer's own employees, and Customer agrees to fully protect and indemnify Heat Transfer Solutions, Inc. against all claims for accidents or injuries to such employees in the course of the work, or to any person or persons through the negligence of such employees.

(13) No sales or other representatives of Heat Transfer Solutions, Inc. has any authority to alter, vary, or waive any of the terms and conditions stated on either side of this proposal.

Terms proposed:

(14) HTS warrants that its service will be provided in a good and workmanlike manner. HTS warrants that for equipment furnished and/or installed but not manufactured by HTS, HTS will extend to Customer the same warranty terms and conditions which HTS received from the manufacturer of said equipment. For equipment installed by HTS, if, within a year of installation, Customer provides written notice to HTS of defect within thirty (30) days after the defect's appearance or date the defect should have reasonably been discovered, HTS shall, at its option, repair or replace the defective equipment. All transportation charges incurred in connection with the warranty for equipment shall be borne by Customer. These warranties do not extend to any equipment which has been repaired by anyone other than HTS, abused, altered or misused, or which has not been properly and reasonably maintained. To obtain assistance under this limited warranty, please contact Heat Transfer Solutions, 3350 Yale Street, Houston, TX 77018; (832) 328-1010. HTS warrants all labor for a term of 90 days from the date of the work that was performed. HTS DISCLAIMS ALL OTHER WARRANTIES ON ANY EQUIPMENT FURNISHED UNDER THIS AGREEMENT, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Josh Bump

From: Sam Sojdei <Sam.Sojdei@hts.com>
Sent: Tuesday, March 25, 2025 12:37 PM
To: Josh Bump; Michael Knight
Cc: Aaron Bartek; Mark Sanchez; Daniel Costilla; Tom Cooper
Subject: RE: [Texas] 22401124 Collin County Healthcare, Parking & Medical Examiner Facilities, P.O. Breakouts for CEC, Version: 2.0
Attachments: RE: [Texas] 22401124 Collin County Healthcare, Parking & Medical Examiner Facilities, P.O. Breakouts for CEC, Version: 2.0

Josh,

How is the engineer determining that the per-point pricing is too high? What data is being used for comparison?

I want to clarify that we do not price projects on a “per-point” basis, as there are multiple cost factors involved—including Engineering, eSub, Mobilization, Material Acquisition, Field Labor, Programming & Graphics, and more.

With that said, we will not be able to break down or itemize our pricing further.

Please let me know if you’d like to discuss this in more detail.

Thank you,

Sam Sojdei

NTX BAS Manager | sam.sojdei@hts.com

HTS Texas | www.hts.com

1645 Wallace Drive, #130

M 469.798.4537

From: Josh Bump <jbump@cecfcg.com>
Sent: Tuesday, March 25, 2025 12:18 PM
To: Michael Knight <Michael.Knight@hts.com>; Sam Sojdei <Sam.Sojdei@hts.com>
Cc: Aaron Bartek <Aaron.Bartek@hts.com>; Mark Sanchez <Mark.Sanchez@hts.com>; Daniel Costilla <dcostilla@cecfcg.com>
Subject: RE: [Texas] 22401124 Collin County Healthcare, Parking & Medical Examiner Facilities, P.O. Breakouts for CEC, Version: 2.0

Please see note from engineer regarding ASI-03 on MEB

Please advise, ASAP,

3. Page 28 itemizes the overall costs and deducts of controls. \$981.42 per point for the pumps seems high as most points are pulled directly from the pump i their original cost per point.



TO: CECFG
ATTENTION: Josh Bump

JOB NAME: Collin County Credit for duct removal
ADDRESS: 2330 Bloomdale Rd.
SPECS: N/A
ADDENDUM: N/A

PLAN PAGES: Take Off Provided

Inclusion

ITEM	DESCRIPTION	QTY	UNIT	PRICE
1	Duct Credit			\$82.59
2				
3	Credit of 1 hour			
4	(1) 4" tap			
5	(1) 12/12/6 reducer			
6	(3) foot 6" pipe			
7				
8				
9				
10				
11				
12	***TAX NOT INCLUDED			
				\$82.59

Items below are required per plans and specifications according to our interpretation.
Scope items and/or Options are not included in the above bid.

ITEM	DESCRIPTION	QTY	UNIT	PRICE
1				
2				
3				
4				
5				
6				
7				
				\$0.00



Scope:

Rectangular duct work to be constructed per S.M.A.C.N.A. standards 2" E.S.P.

All concealed duct to be constructed with galvanized steel.

All exposed duct to be constructed with paintable steel.

Rectangular flex duct.

Exclusions & Construction Standards

Unless Specifically listed above, the following items will not be included in this proposal:-Anti-Microbial Coating on metal, curb blade air extraction devices, access doors, flue pipe, drain pans, fire dampers, smoke dampers, fire/smoke damper sleeves, hangers, pitch pans, roof jacks, roof curbs, through-wall sleeves, motorized dampers, burglar bars, metal nosing, louvers, fabric duct, (duct sox) buttered edges, HEP turning vanes, single wall turning vanes (turning vanes are double wall), backdraft dampers, slot diffusers & Plenums, linear plenums & blank offs, grills, registers. low pressure round snaplock pipe & associated pre-fab round fittings such as round taps, spin-ins and round elbows , unit platforms, flex duct, flex duct ties, curb adapters, curb caps, wall cap, air handling equipment, hoods, duct sealer, sound attenuators, shop drawings, field measurements, dust protection covering, sales taxes insulation saddles & installation. If round or oval pipe is included in this quote, flange or ring connectors are excluded unless specifically noted in scope. Unless noted otherwise all rectangular straight duct will be provided in L-section (KD). All fittings to be assembled. Ductwork up to 2" static pressure will be constructed with snap-lock longitudinal seams. Non welded ductwork over 2" static preassure will be constructed with pittsburg longitudinal seams. Non self sealing slip couplings will be provided where needed with spiral seam pipe.

Clarifications

This quotation is guaranteed a maximum of 90 days from the date on the bid.--Pricing is subject to change after 90 days (either up or down) depending on material cost at this time.--Please review our scope as stated and notify the contact person below if you have any questions or concerns.-- This pricing is determined by DFW Sheetmetal providing duct as represented on the original bid documents. If you choose to field measure and order from tickets, this pricing to be considered void, and all duct ordered will be re-priced as build using original pricing parameters. Sales tax will be added when billed unless tax exemption form is submitted.

The resulting final price could be above or below the original quotation listed on page 1.

First TWO deliveries will be complimentary within 50 Miles of DFW Sheetmetal headquarters (Location 6001 Denton Highway Haltom City, Texas 76148).

Any Project outside of the 50 miles range will be subjected to additional Shipping and Handling charges.



ADW Corporation

To:
Attn:
Project:

CEC Facilities Group
Josh Bump
Collin County Flexible Duct

Date:
March 25, 2025

We are pleased to offer the following for your consideration:

Flexmaster U.S.A.® Type 5M Class 1 R6 – Qty. 2 insulated acoustical flexible duct tested to UL Standard 181 constructed with polyethylene fabric mechanically locked to corrosive resistant galvanized steel duct helix, fire-retardant reinforced aluminum vapor barrier, and factory-wrapped fiberglass insulation jacket.

Internal Working Pressure (w.g.)	10" w.g. negative thru 12" dia.
Rated Velocity	5500 F.P.M.
Operating Temperature Range	-200 to +2500F

Like the UL Mark, the ETL Listed Mark shows that our product has been independently tested by a Nationally Recognized Testing Laboratory (NRTL). It shows that it has met the requirements of widely accepted product safety standards and that we have agreed to periodic follow-up inspections to verify continued compliance.

Total net price FOB factory, freight allowed to destination:

\$ 445.00

All pricing is based FOB factory with freight allowed to destination, net 30 terms, standard production cycles, and excludes sales tax. This proposal is valid for all items released for production within the next 30 days, after which it is subject to additional material surcharges in effect at time of release. Unless noted otherwise, the proposal is limited to items shown on mechanical plans only.

Best Regards,
ADW Corporation
Leah Upchurch-Morris for Ryan Sienty

this price is for (1) 4" bag and (1) 6" bag
Price per bag
4"=210.00
6"=235.00
2' of 4"=-28.20
3' of 6"=-16.80
credit of -.5hrs

Josh Bump

From: Leah Upchurch-Morris <lupchurch@adwcorp.com>
Sent: Tuesday, March 25, 2025 11:02 AM
To: Josh Bump; Ryan Sienty
Cc: Daniel Costilla
Subject: RE: Collin County flex master 5m r6

\$210.00 per 4" and \$235.00 per 6"

Best Regards,
 Leah Upchurch-Morris
 Team Sienty



ADW Corporation

(469) 568-6300 Ext. 226

From: Josh Bump <jbump@cecfg.com>
Sent: Tuesday, March 25, 2025 10:59 AM
To: Leah Upchurch-Morris <lupchurch@adwcorp.com>; Ryan Sienty <rsienty@adwcorp.com>
Cc: Daniel Costilla <dcostilla@cecfg.com>
Subject: RE: Collin County flex master 5m r6

What's price per bag?



Josh Bump

Mechanical Senior Project Manager

CEC Facilities Group
 2113 109th Street
 Grand Prairie, TX 75050

m 214-799-9047
t 817-945-9537

From: Leah Upchurch-Morris <lupchurch@adwcorp.com>
Sent: Tuesday, March 25, 2025 10:57 AM
To: Josh Bump <jbump@cecfg.com>; Ryan Sienty <rsienty@adwcorp.com>
Cc: Daniel Costilla <dcostilla@cecfg.com>
Subject: RE: Collin County flex master 5m r6

Josh,

Please see attached. Current lead time is 3- to 4-weeks.

Best Regards,
 Leah Upchurch-Morris
 Team Sienty



WINSTON WATER COOLER, LTD.
6626 Oakbrook Blvd
DALLAS, TX 75235-4106
Phone 214-748-1484
Fax 214-748-1486

7



Quotation

EXPIRATION DATE	QUOTE NUMBER
04/24/2025	S5251001
WINSTON WATER COOLER, LTD. 6626 Oakbrook Blvd DALLAS, TX 75235-4106 Phone 214-748-1484 Fax 214-748-1486	
PAGE NO. 1 of 1	

QUOTE TO:

SHIP TO:

CEC FACILITIES GROUP
1275 VALLEY VIEW LN
IRVING, TX 75061

CEC FACILITIES- COLLIN COUNTY MEDIC
2300 BLOOMDALE RD
MCKINNEY, TX 75071

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON		
105697	CEC CREDIT PENDING		Andrew Miller		
WRITER		SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
Andrew Miller		OT OUR TRUCK	NET 30 DAYS	03/25/2025	No
ORDER QTY	DESCRIPTION			UNIT PRICE	EXT PRICE
8ft	3/4 STD .113W A53A BLK T&C IMP			1.055/ea	8.44
2ea	0766258701 ANVIL 36-21/2X3/4 STDBW UNIV ANVILET			11.039/ea	22.08
credit of 2 hours					
Pricing is valid for a period of 30 days unless stated otherwise. Company standard terms of sale apply. Pricing on bids do not include sales tax. Material quoted is based on our interpretation of information provided and must be verified by buyer. All material returned must be pre-approved prior to return. Restocking fees, return freight / handling fees may apply.				Subtotal	30.52
				S&H Charges	0.00
				Amount Due	30.52



1275 Valley View Lane, Irving Texas, 75061
TECL #30320 - TACLA#15355E - TSBPE#37799

Rquest For Change

Date:	<u>12/23/2024/3/11/25</u>	RFC#:	<u>9</u>
To:	<u>The Christman Company</u>		
Address:	<u>130 E. John Carpenter Freway, Ste 200</u> <u>Irving, TX 75062</u>		
Attn:	<u>Jim Terhune</u>		
Project Name:	<u>Collin County Medical Campus-ASI-02-I</u>		
Subject:	<u>ASI-03-R1</u>	CEC Proj. #	<u>ME24-20</u>

Scope of Change: See description below

HCB BUILDING ONLY

3/26/2025

RFC Total: \$148,339 Time Extension: 0 Days

Exclusions: Overtime

See Page 2 for Qualifications.
See attached RFC Recap for Cost breakdown.



1275 Valley View Lane, Irving Texas, 75061
TECL #30320 - TACLA#42022C - TSBPE#37799

Qualifications:

- 1) This Proposal is valid for 15 days. Should approval be received after such time, or work is covered up by other trades prior to approval being received, CEC reserves the right to re-price and address any schedule
- 2) This Proposal includes any appropriate credits.
- 3) This proposal excludes any electrical, fire protection, fire alarm, drywall, roofing, or architectural finishes of any type.
- 4) This Proposal excludes any sawcutting, removal of concrete work or demo of any kind that is not specifically included in the proposal.
- 5) The cost of this change includes only those direct cost that can be identified at this time. There are no impact or ripple costs and no delay cost included in this proposal, unless stated otherwise. Should it be determined at a later date that we are experiencing impact cost because of multiple changes, delays, or other causes beyond our control, we will submit those cost at that time. Therefore, CEC, expressly reserves all rights to additional compensation for schedule changes, performance cost increases, other direct cost, indirect cost, ripple effects, and/or impacts not presently known and or determined directly or indirectly arising out of or related to the subject of this modification, to include appropriate overhead costs, general, managerial and administrative costs and profit
- 6) This proposal is an estimate of the costs to perform the work covered by the change order. The actual cost of the work and related changes could be higher or lower than our current estimate. It should be noted that the above amount is a lump sum price.
- 7) This proposal is fair and equitable for the work requested and a change order should be issued immediately so as not to delay the project. If the proposal does not result in a formal change order to our contract within 15 days, we reserve the right to revise our price.
- 8) This proposal excludes any work not specifically described with-in.
- 9) This proposal includes pricing based on data from MCAA, CEC's previous experience, and from the CEC SOP.
- 10) This proposal accounts for one (1) mobilization / pass of work to accomplish defined scope.
- 11) This proposal is based on working normal business hours and excludes overtime or shift work unless specifically included above. It OT is required the impacts from cumulative OT will be calculated per the MCAA / NECA Tables.

CEC Facilities Group, Mechanical

(sign)
PM Name and Title here

3/26/2025				08:55 AM			
<div>CEC Facilities Group</div> <div>1275 Valley View Lane</div> <div>Irving, Texas 75061</div> <div>Tel: 817-734-0040</div>							
<div>SUMMARY SHEET</div>							
Job: <u>Collin County Medical Campus-ASI-02-HCB</u>				Est No: <u>9</u>			
Plumbing				HVAC		Total	
Equipment/Fixtures		-\$2,181		\$23,582		\$21,401	
Materials		\$6,441		\$20,351		\$26,792	
Labor Hours		185 Hrs		455 Hrs		641	
Labor Cost		\$11,529		\$28,343		\$39,872	
Subcontractors		\$7,650		\$31,123		\$38,773	
Rental Equipment		\$0		\$0		\$0	
ODJC		\$474		\$1,318		\$1,792	
BIM		\$0		\$0		\$0	
Sales Tax		\$0		\$0		\$0	
Subtotal		23,913		104,717		128,630	
Office / mo.		\$500	0	\$0	0	\$0	\$0
Job Veh / wk		\$350	0	\$0	0	\$0	\$0
Trash / mo		\$200	0	\$0	0	\$0	\$0
FUEL		\$300	0	\$0	0	\$0	\$0
Reprographics		\$75	0	\$0	0	\$0	\$0
Detailing /Hr		\$75	11	\$834	27	\$2,049	\$2,883
Estimating /hr		\$75	5	\$347	11	\$854	\$1,201
Proj Mgr / hr		\$75	7	\$556	18	\$1,366	\$1,922
Trav/trips				\$0		\$0	\$0
TOTAL COST				\$25,650		\$108,986	\$134,636
CEC Cost (No subcontractors)				\$18,000		\$77,863	\$95,863
Overhead		5.0%		\$900	5.0%	\$3,893	\$4,793
SUB TOTALS				\$18,900		\$81,756	\$100,656
Profit		5.0%		\$945	5.0%	\$4,088	\$5,033
CEC Total (No subcontractors)				\$19,845		\$85,844	\$105,689
SubContractor				\$7,650		\$31,123	\$38,773
Subcontractor M/U		10.0%		\$765	10.0%	\$3,112	\$3,877
Subcontractor Total				\$8,415		\$34,235	\$42,650
TOTALS		(NO BOND REQ)		\$28,260		\$120,079	\$148,339
Perf Bond Prem		n		NO BOND REQ		NO BOND REQ	0
				\$28,260 Plumb		\$120,079 HVAC	\$148,339
RFC TOTAL--> \$148,339							

03/26/25				08:55 AM	
Job: <u>Collin County Medical Campus-ASI-02-F</u>				RFC #	9
PLUMBING & PROCESS PIPING:			Mtl & Sub	Labor	Notes
Fixtures			-\$2,181	0	
Plbg Equip/Misc			\$0	0	
Med Gas Equipment			\$0	0	
Kitchen Equipment			\$0	0	
Supports & Pads			\$0	0	
SW&V Below			\$10,376	234	
SW&V Above			-\$3,935	(114)	
Dom Wtr Blw			\$0	0	
Dom Wtr Abv			\$0	0	
Strm Drn Blw			\$0	0	
Strm Drn Ab			\$0	0	
Med Gas Ab			\$0	0	
Nat Gas Ab			\$0	0	
San Swr Ext			\$0	0	
Dom Wtr Ext			\$0	0	
Strm Drn Ext			\$0	0	
Nat Gas Ext			\$0	0	
Misc			\$0	0	
Misc			\$0	0	
Misc			\$0	0	
Excavation			\$0	0	
Matl Hand.			\$0	6	
Demolition			\$0	0	
Clean-up			\$0	5	
Rental Equipment			\$0	***	

Small Tools	0.0%	\$5,872	\$0	***	
Consumables	0.0%	\$5,872	\$0	***	

Sales Tax	0.00%	\$4,260	\$0	***	Material / Equip
Sales Tax	0.00%	\$0	\$0	***	Rentals, Cons.Tools

Subcontractors			\$7,650		
Safety			\$0	6	
QA / QC			\$0	3	
Warranty		\$15,789	\$474	***	
Tap & Conn Fees			\$0	***	
Permits			\$0	***	
W'house/trip	\$125	0	\$0	***	
Overtime Prod Loss			***	0	
SUBTOTALS			\$12,384	140 hrs	
Labor:					
	(Rate)	(Hrs)			
Plumbing	\$42.00	140	\$5,872		
Prem Time	\$21.00	0	\$0		
Superintendent	\$55.00	3	\$192		
Crew FMN	\$45.00	42	\$1,887		
Fringe /Burden	45.0%	\$7,951	\$3,578		
TOTAL PLUMBING LABOR			\$11,529		
TOTAL PLUMBING COST			\$23,913		

03/26/25				08:55 AM	
				RFC #	9
Job: <u>Collin County Medical Campus-ASI-02-HCB</u>					
HEATING, VENT & AIR COND:		Mtl & Sub		Labor	Notes
HVAC Equipment			\$0	0	
HVAC Misc Items			\$23,582	40	
Ref Piping			\$0	0	
Ch Wtr Bel			\$0	0	
Ch Wtr Abv			\$20,351	255	
Htng Wtr Bel			\$0	0	
Htng Wtr Ab			\$0	0	
Cond Wtr Bel			\$0	0	
Cond Wtr Ab			\$0	0	
Chem Feed			\$0	0	
Steam Piping			\$0	0	
Cond Return			\$0	0	
Equip Drain			\$0	0	
Ductwork & Accessories			\$0	0	
Duct Labor Credit			\$0	0	
Misc			\$0	0	
Excavation			\$0	0	
Demolition			\$0	0	

Rental Equipment			\$0	***	
Small Tools	0.0%	14434	\$0	***	
Consumables	0.0%	14434	\$0	***	

Sales Tax	0.00%	\$43,933	\$0	***	Material / Equip
Sales Tax	0		\$0	***	Rentals, Cons.Tools

Subcontractors			\$31,123	***	
Matl Hand.			\$0	15	
Safety			\$0	15	
QA/QC			\$0	7	
Clean-up			\$0	12	
Warranty/hrs		\$43,933	\$1,318	0	
Permits			\$0	***	
W'house/trip	\$125	0	\$0	***	
Overtime Prod Loss			***	0	
SUBTOTALS			\$76,374	344 hrs	
Labor:		(Rate)	(Hrs)		
HVAC		\$42.00	344	\$14,434	
Prem Time		\$21.00	0	\$0	
Superintendent		\$55.00	9	\$473	
Crew FMN		\$45.00	103	\$4,640	
P/R Burden		45.0%	\$19,547	\$8,796	
TOTAL HVAC LABOR			\$28,343		
TOTAL HVAC COST			\$104,717		

ARCHITECTURE
ENGINEERING
INTERIORS
PLANNING



Date: November 22, 2024
Project: **Collin County Healthcare, Parking Garage and Medical Examiner Facilities:
Volumes 1, 2, 3, and 4**
PGAL Project Number: 1006549.00

ARCHITECT’S SUPPLEMENTAL INSTRUCTIONS (ASI) No. 3
Drawing changes and clarifications to the Permit Set

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time, unless specifically approved by the Architect and Owner. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in Contract Sum or Contract Time, unless specifically approved by the Owner through an approved Change Order after changes to time and cost have been accepted.



The narrative below summarizes the changes that have occurred between ASI #3 to this document.

VOLUME 1 (SD) DRAWING REVISIONS NARRATIVE:

ALEXANDRIA
ATLANTA
AUSTIN
BOCA RATON
DALLAS/FORT WORTH
DENVER
HOBOKEN
HOUSTON
LAS VEGAS
LOS ANGELES
SALT LAKE CITY
SAN DIEGO

VOLUME 2 (HC) DRAWING REVISIONS NARRATIVE:

VOLUME 2 (HC) DRAWING REVISIONS NARRATIVE:

- ## 21. SHEET HC-P0.02

- Deleted Interceptor Schedule. been added back into scope.
- Edited model number of elevator sump pumps SP1 and SP2. ←
- Added Note #8 to Pump Schedule. ←

- b. Edited model number of elevator sump pumps SP1 and SP2.

- c. Added Note #8 to Pump Schedule.

- ## 22. SHEET HC-P2.00

- a. Rerouted and resized underground storm drain piping at 3 locations.
- i. Edited Invert Elevation of storm drain service exits at grids 7 and 6.

- i. Edited Invert Elevation of storm drain service exits at grids 7 and 6.

- b. Removed Oil Interceptor OS1, Test Well, all associated sanitary waste piping and cleanouts, and all associated sanitary vent piping.

- c. Rerouted sanitary sewer piping from Floor Sink located in Mechanical Room 175. **Included in ASI-03, cost impact**

- d. Edited Keynote #'s 7 & 23. Included in ASI-03, cost impact

↘ Deduct was given for this in a separate pricing exercise, but owner declined option and this has been added back into scope.

- Included in ASI-03, cost impact

Included in
-ASI-03, cost
impact

Collin County Healthcare, Parking Garage and Medical Examiner Facilities

23. **SHEET HC-P2.01**

- a. Rerouted and resized storm drain piping at 4 locations. **Included in ASI-03, cost impact**
- b. Removed Oil Interceptor OS1, Test Well, all associated cleanouts, and all associated sanitary vent piping. **See note above regarding OS-1 and SW**
- c. Edited Keynote #'s 6, 35, 37, & 39. **Included in ASI-03, cost impact**
- d. Added Keynote #'s 41-43. **Included in ASI-03, cost impact**

24. **SHEET HC-P2.02** **Included in ASI-03, cost impact**

- a. Rerouted and resized storm drain piping at various locations.
- b. Removed Downspout Nozzle 6" DSN1 from low roof near grid 7.
- c. Resized Roof and Overflow Drains RD1 and OFD1 to 3" on low roof near grid 8.
- d. Removed sanitary vent piping associated with Oil Interceptor OS1. **See note above regarding OS-1 and SW**
- e. Edited Keynote #'s 14 & 28.
- f. Added Keynote # 33.

25. **SHEET HC-P2.03** **Included in ASI-03, cost impact**

- a. Rerouted and resized storm drain piping at various locations.
- b. Removed Downspout Nozzle 6" DSN1 from low roofs near grids B and C.
- c. Resized Roof and Overflow Drains RD1 and OFD1 to 3" on low roofs near grids B and C.
- d. Removed sanitary vent piping associated with Oil Interceptor OS1.
- e. Edited Keynote #'s 14 & 15.

26. **SHEET HC-P2.04**

- a. Removed 3" Vent Through Roof associated with Oil Interceptor OS1.

27. **SHEET HC-P3.02** **Included in ASI-03, cost impact**

- a. 1/P3.02: Rerouted sanitary sewer piping from Floor Sink located in Mechanical Room 175.

28. **SHEET HC-P5.02**

- a. Marked Oil Interceptor with Sample Well Detail, 2/P5.02, as Not Used.

29. **SHEET HC-M1.00** **Included in ASI-03, cost impact**

- a. Added CHWP-1 and CHWP-2 to the Pump Schedule

30. **SHEET HC-M3.01** **Included in ASI-03, cost impact**

- a. Added Notes-By-Symbol #5
- b. Added CHWP-1 and CHWP-2 to 175 MECHANICAL ROOM
- c. Rerouted piping for the new chilled water pumps
- d. Located VFD's for CHWP-1 and CHWP-2

31. **SHEET HC-M3.03** **Included in ASI-03, cost impact**

- a. Located VFD's for BP-1 and BP-2

32. **SHEET HC-M5.05** **Included in ASI-03, cost impact**

- a. Removed Detail #7

33. **SHEET HC-M6.06** **Included in ASI-03, cost impact**

- a. New sheet for Chilled Water Pump Control Diagrams & Sequence of Operation

Company: CEC Facilities Group
JobName: 24-082 COLLIN COUNTY-ASI 3 - Plumbing
Material Set: Factor 1
Labor Set: 0.8
Run Date: 12/6/2024 18:35
Sort Key: By Remarks ☐ Subtotals

1



Remarks	Qty	Size	Description	Matl Group	Wt	Unit Price	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total
ASI 03 ADD	45	3	Sch 40 PVC DWV PE Pipe	pvppip	90.4	\$ 1.70	1.00	\$ 1.70	\$ 76.85	0.06	2.9	1.00	2.9
ASI 03 ADD	28	4	Sch 40 PVC DWV PE Pipe	pvppip	75.6	\$ 2.30	1.00	\$ 2.30	\$ 63.81	0.09	2.4	1.00	2.4
ASI 03 ADD	400	6	Sch 40 PVC DWV PE Pipe	pvppip	1407.6	\$ 4.34	1.00	\$ 4.34	\$ 1,735.53	0.11	44.8	1.00	44.8
ASI 03 ADD	164	8	Sch 40 PVC DWV PE Pipe	pvppip	884.2	\$ 6.74	1.00	\$ 6.74	\$ 1,105.61	0.14	23.6	1.00	23.6
ASI 03 ADD	4	6	PVC DWV Coupling	pvcdwv	9.9	\$ 28.50	1.00	\$ 28.50	\$ 114.00	0.78	3.1	1.00	3.1
ASI 03 ADD	1	4x3	PVC DWV Reducer	pvcdwv	0.9	\$ 12.96	1.00	\$ 12.96	\$ 12.96	0.41	0.4	1.00	0.4
ASI 03 ADD	1	4	PVC DWV Wye	pvcdwv	3.5	\$ 29.16	1.00	\$ 29.16	\$ 29.16	0.70	0.7	1.00	0.7
ASI 03 ADD	3	6	PVC DWV Wye	pvcdwv	23.0	\$101.01	1.00	\$101.01	\$ 303.03	1.18	3.6	1.00	3.6
ASI 03 ADD	4	3	PVC DWV 1/4 Bend	pvcdwv	4.3	\$ 9.27	1.00	\$ 9.27	\$ 37.08	0.32	1.3	1.00	1.3
ASI 03 ADD	13	6	PVC DWV 1/4 Bend	pvcdwv	66.1	\$ 73.08	1.00	\$ 73.08	\$ 950.04	0.82	10.7	1.00	10.7
ASI 03 ADD	8	8	PVC DWV 1/4 Bend	pvcdwv	76.1	\$ 94.43	1.00	\$ 94.43	\$ 755.44	1.12	9.0	1.00	9.0
ASI 03 ADD	6	3	PVC DWV 1/8 Bend	pvcdwv	5.6	\$ 8.73	1.00	\$ 8.73	\$ 52.38	0.32	1.9	1.00	1.9
ASI 03 ADD	2	4	PVC DWV 1/8 Bend	pvcdwv	3.4	\$ 15.21	1.00	\$ 15.21	\$ 30.42	0.48	1.0	1.00	1.0
ASI 03 ADD	12	6	PVC DWV 1/8 Bend	pvcdwv	45.0	\$ 64.05	1.00	\$ 64.05	\$ 768.60	0.82	9.9	1.00	9.9
ASI 03 ADD	1	8x4	PVC DWV Reducing Wye	pvcdwv	15.1	\$171.97	1.00	\$171.97	\$ 171.97	1.68	1.7	1.00	1.7
ASI 03 ADD	2	8x6	PVC DWV Reducing Wye	pvcdwv	26.4	\$177.31	1.00	\$177.31	\$ 354.62	1.68	3.4	1.00	3.4
ASI 03 ADD	1	3	PVC DWV Cleanout Tee w/Plug	pvcdwv	1.4	\$ 18.66	1.00	\$ 18.66	\$ 18.66	0.32	0.3	1.00	0.3
ASI 03 ADD	2	6	PVC DWV Cleanout Tee w/Plug	pvcdwv	13.4	\$184.86	1.00	\$184.86	\$ 369.72	0.63	1.3	1.00	1.3
ASI 03 ADD	2	8	PVC DWV Cleanout Tee w/Plug	pvcdwv	26.0	\$365.43	1.00	\$365.43	\$ 730.86	1.11	2.2	1.00	2.2
ASI 03 ADD	23	3	PVC Solvent Weld Joints	joint	0.0	\$ 0.40	1.00	\$ 0.40	\$ 9.20	0.00	0.0	1.00	0.0
ASI 03 ADD	9	4	PVC Solvent Weld Joints	joint	0.0	\$ 0.52	1.00	\$ 0.52	\$ 4.68	0.00	0.0	1.00	0.0
ASI 03 ADD	73	6	PVC Solvent Weld Joints	joint	0.0	\$ 1.52	1.00	\$ 1.52	\$ 110.96	0.00	0.0	1.00	0.0
ASI 03 ADD	26	8	PVC Solvent Weld Joints	joint	0.0	\$ 3.07	1.00	\$ 3.07	\$ 79.82	0.00	0.0	1.00	0.0
ASI 03 ADD	1	3	Suspended Hanger		0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
ASI 03 ADD	1	3	+ #260 Galv Clevis Hanger	anvhcn	0.5	\$ 3.09	1.00	\$ 3.09	\$ 3.09	0.32	0.3	1.00	0.3
ASI 03 ADD	3	3	+ [Hanger] Threaded Acc, Galvanized/Hex Nuts [No acceptable item size]		0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
ASI 03 ADD	1	3	+ Pipe Label	misc	0.0	\$ 1.50	1.00	\$ 1.50	\$ 1.50	0.00	0.0	1.00	0.0
ASI 03 ADD	3	½	+ Galv Flat Washer	blinb6	0.0	\$ 1.00	Q	\$ 1.00	\$ 3.00	0.00	0.0	1.00	0.0
ASI 03 ADD	1	½	+ #86 Galv Mal Cad Plated C-Clamp	anvbcs	0.5	\$ 2.23	1.00	\$ 2.23	\$ 2.23	0.17	0.2	1.00	0.2
ASI 03 ADD	4	½	+ #146 Galv All Thread Rod	anvthd	1.9	\$ 0.66	1.00	\$ 0.66	\$ 2.64	0.02	0.1	1.00	0.1
ASI 03 ADD	21	6	Suspended Hanger		0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
ASI 03 ADD	21	6	+ #260 Galv Clevis Hanger	anvhcn	9.9	\$ 7.52	1.00	\$ 7.52	\$ 157.92	0.37	7.7	1.00	7.7
ASI 03 ADD	63	6	+ [Hanger] Threaded Acc, Galvanized/Hex Nuts [No acceptable item size]		0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
ASI 03 ADD	21	6	+ Pipe Label	misc	0.0	\$ 1.50	1.00	\$ 1.50	\$ 31.50	0.00	0.0	1.00	0.0
ASI 03 ADD	63	¾	+ Galv Flat Washer	blinb6	0.0	\$ 1.00	Q	\$ 1.00	\$ 63.00	0.00	0.0	1.00	0.0
ASI 03 ADD	21	¾	+ #86 Galv Mal Cad Plated C-Clamp	anvbcs	9.9	\$ 7.50	Q	\$ 7.50	\$ 157.50	0.18	3.9	1.00	3.9
ASI 03 ADD	84	¾	+ #146 Galv All Thread Rod	anvthd	39.5	\$ 1.61	1.00	\$ 1.61	\$ 135.24	0.03	2.1	1.00	2.1
ASI 03 ADD	4	8	Suspended Hanger		0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
ASI 03 ADD	4	8	+ #260 Galv Clevis Hanger	anvhcn	1.9	\$ 12.12	1.00	\$ 12.12	\$ 48.48	0.39	1.6	1.00	1.6
ASI 03 ADD	12	8	+ [Hanger] Threaded Acc, Galvanized/Hex Nuts [No acceptable item size]		0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0

Remarks	Qty	Size	Description	Matl Group	Wt	Unit Price	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total
ASI 03 ADD	4	8	+ Pipe Label	misc	0.0	\$ 1.50	1.00	\$ 1.50	\$ 6.00	0.00	0.0	1.00	0.0
ASI 03 ADD	12	¾	+ Galv Flat Washer	blinb6	0.0	\$ 1.00	Q	\$ 1.00	\$ 12.00	0.00	0.0	1.00	0.0
ASI 03 ADD	4	¾	+ #86 Galv Mal Cad Plated C-Clamp	anvbcs	1.9	\$ 7.50	Q	\$ 7.50	\$ 30.00	0.18	0.7	1.00	0.7
ASI 03 ADD	16	¾	+ #146 Galv All Thread Rod	anvthd	7.5	\$ 1.61	1.00	\$ 1.61	\$ 25.76	0.03	0.4	1.00	0.4
ASI 03 ADD	48	6	Riser Clamp Hanger		0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
ASI 03 ADD	48	6	+ #261 Galv Riser Clamp Anchor	anvpcs	22.6	\$ 13.97	1.00	\$ 13.97	\$ 670.56	0.20	9.6	1.00	9.6
ASI 03 ADD	24	8	Riser Clamp Hanger		0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
ASI 03 ADD	24	8	+ #261 Galv Riser Clamp Anchor	anvpcs	11.3	\$ 26.92	1.00	\$ 26.92	\$ 646.08	0.22	5.2	1.00	5.2
					2885.2				\$ 9,881.90	155.9		155.9	

1

Company: CEC Facilities Group
JobName: 24-082 COLLIN COUNTY-ASI 3 - Plumbing
Material Set: Factor 1
Labor Set: 0.8
Run Date: 12/6/2024 18:41
Sort Key: By Remarks ☐ Subtotals



Remarks	Qty	Size	Description	Matl Group	Wt	Unit Price	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total	
ASI 03 Deduct	426	3	Sch 40 PVC DWV PE Pipe	pvp pip	851.7	\$ 1.70	1.00	\$ 1.70	\$ 723.92	0.06	27.3	1.00	27.3	
ASI 03 Deduct	270	4	Sch 40 PVC DWV PE Pipe	pvp pip	735.5	\$ 2.30	1.00	\$ 2.30	\$ 620.81	0.09	23.8	1.00	23.8	
ASI 03 Deduct	122	6	Sch 40 PVC DWV PE Pipe	pvp pip	428.0	\$ 4.34	1.00	\$ 4.34	\$ 527.70	0.11	13.6	1.00	13.6	
ASI 03 Deduct	3	3	PVC DWV Coupling	pvc dwv	1.5	\$ 4.67	1.00	\$ 4.67	\$ 14.01	0.31	0.9	1.00	0.9	
ASI 03 Deduct	11	4	PVC DWV Coupling	pvc dwv	9.0	\$ 7.84	1.00	\$ 7.84	\$ 86.24	0.46	5.0	1.00	5.0	
ASI 03 Deduct	2	3	PVC DWV Wye	pvc dwv	3.6	\$18.64	1.00	\$18.64	\$ 37.28	0.46	0.9	1.00	0.9	
ASI 03 Deduct	2	4	PVC DWV Wye	pvc dwv	7.0	\$29.16	1.00	\$29.16	\$ 58.32	0.70	1.4	1.00	1.4	
ASI 03 Deduct	16	3	PVC DWV 1/4 Bend	pvc dwv	17.3	\$ 9.27	1.00	\$ 9.27	\$ 148.32	0.32	5.1	1.00	5.1	
ASI 03 Deduct	2	4	PVC DWV 1/4 Bend	pvc dwv	3.9	\$16.69	1.00	\$16.69	\$ 33.38	0.48	1.0	1.00	1.0	
ASI 03 Deduct	1	6	PVC DWV 1/4 Bend	pvc dwv	5.1	\$73.08	1.00	\$73.08	\$ 73.08	0.82	0.8	1.00	0.8	
ASI 03 Deduct	7	3	PVC DWV 1/8 Bend	pvc dwv	6.6	\$ 8.73	1.00	\$ 8.73	\$ 61.11	0.32	2.2	1.00	2.2	
ASI 03 Deduct	3	4	PVC DWV 1/8 Bend	pvc dwv	5.1	\$15.21	1.00	\$15.21	\$ 45.63	0.48	1.4	1.00	1.4	
ASI 03 Deduct	1	6x4	PVC DWV Reducing Wye	pvc dwv	5.2	\$81.55	1.00	\$81.55	\$ 81.55	1.18	1.2	1.00	1.2	
ASI 03 Deduct	4	4	PVC DWV Two Way Cleanout	pvc dwv	14.7	\$38.23	1.00	\$38.23	\$ 152.92	0.70	2.8	1.00	2.8	
ASI 03 Deduct	3	3	PVC DWV Cleanout Tee w/Plug	pvc dwv	4.1	\$18.66	1.00	\$18.66	\$ 55.98	0.32	1.0	1.00	1.0	
ASI 03 Deduct	64	3	PVC Solvent Weld Joints	joint	0.0	\$ 0.40	1.00	\$ 0.40	\$ 25.60	0.00	0.0	1.00	0.0	
ASI 03 Deduct	51	4	PVC Solvent Weld Joints	joint	0.0	\$ 0.52	1.00	\$ 0.52	\$ 26.52	0.00	0.0	1.00	0.0	
ASI 03 Deduct	4	6	PVC Solvent Weld Joints	joint	0.0	\$ 1.52	1.00	\$ 1.52	\$ 6.08	0.00	0.0	1.00	0.0	
ASI 03 Deduct	9	3	Suspended Hanger		0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0	
ASI 03 Deduct	9	3	+ Plain Standard Clevis Hanger	hanger	12.0	\$ 9.00	Q	\$ 9.00	\$ 81.00	0.32	2.9	1.00	2.9	
ASI 03 Deduct	18	½	+ Hex Nuts	fnwhgr	0.0	\$ 0.28	1.00	\$ 0.28	\$ 5.04	0.00	0.0	1.00	0.0	
ASI 03 Deduct	18	½	+ Plain Washer	fnwhgr	0.0	\$ 0.04	1.00	\$ 0.04	\$ 0.72	0.00	0.0	1.00	0.0	
ASI 03 Deduct	9	½	+ Plain Wide Jaw Top C-Clamp	uppera	4.6	\$ 4.88	1.00	\$ 4.88	\$ 43.92	0.17	1.5	1.00	1.5	
ASI 03 Deduct	36	½	+ Plain Threaded Rod	blin6	0.0	\$ 0.62	1.00	\$ 0.62	\$ 22.32	0.02	0.8	1.00	0.8	
ASI 03 Deduct	12	3	Suspended Hanger		0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0	
ASI 03 Deduct	12	3	+ #260 Galv Clevis Hanger	anvhcn	5.6	\$ 3.09	1.00	\$ 3.09	\$ 37.08	0.32	3.8	1.00	3.8	
ASI 03 Deduct	36	3	+ [Hanger] Threaded Acc, Galvanized/Hex Nuts [No acceptable item size]		0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0	
ASI 03 Deduct	12	3	+ Pipe Label	misc	0.0	\$ 1.50	1.00	\$ 1.50	\$ 18.00	0.00	0.0	1.00	0.0	
ASI 03 Deduct	36	½	+ Galv Flat Washer	blinb6	0.0	\$ 1.00	Q	\$ 1.00	\$ 36.00	0.00	0.0	1.00	0.0	
ASI 03 Deduct	12	½	+ #86 Galv Mal Cad Plated C-Clamp	anvbcs	5.6	\$ 2.23	1.00	\$ 2.23	\$ 26.76	0.17	2.0	1.00	2.0	
ASI 03 Deduct	48	½	+ #146 Galv All Thread Rod	anvthd	22.6	\$ 0.66	1.00	\$ 0.66	\$ 31.68	0.02	1.1	1.00	1.1	
ASI 03 Deduct	48	3	Riser Clamp Hanger		0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0	
ASI 03 Deduct	48	3	+ #261 Galv Riser Clamp Anchor	anvpcs	22.6	\$ 6.90	1.00	\$ 6.90	\$ 331.20	0.18	8.8	1.00	8.8	
ASI 03 Deduct	24	6	Riser Clamp Hanger		0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0	
ASI 03 Deduct	24	6	+ #261 Galv Riser Clamp Anchor	anvpcs	11.3	\$13.97	1.00	\$13.97	\$ 335.28	0.20	4.8	1.00	4.8	
					2182.5				\$ 3,747.46					
										CREDIT	CREDIT			

CREDIT



BRANCH: 1004 FORT WORTH
311 EAST VICKERY BLVD
FORT WORTH, TX 76104-1385
Phone 817-336-0451

2



Quotation

EXPIRATION DATE	QUOTE NUMBER
01/18/2025	S119705016
PLEASE REMIT TO: REECE PLUMBING PO BOX 841183 DALLAS, TX 75284-1183 Phone: 817-336-0451	PAGE NO.
	1 of 1

QUOTE TO:

SHIP TO:

1004 COMMERCIAL MECHANICAL QUOTE
JOB NAME REQUIRED
FORT WORTH, TX 76101

1004 COMMERCIAL MECHANICAL QUOTE
JOB NAME REQUIRED
FORT WORTH, TX 76101

CUSTOMER NUMBER		CUSTOMER PO NUMBER		JOB NAME / RELEASE NUMBER		SALESPERSON		
34305		DSN PRICE		.		House/Branch Sales		
WRITER			SHIP VIA		TERMS		SHIP DATE	FREIGHT ALLOWED
Aaron Marsters			WILL CALL				12/19/2024	No
ORDER QTY	PRODUCT ID	DESCRIPTION				UNIT PRICE		EXT PRICE
1ea	412321	*ZURN POLISHED NICKEL BRONZE DOWNSPOUT PN: ZANB199-6NH				284.946/ea		284.95
1ea	262409					158.710/ea		158.71
<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><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Sales Tax not included

www.reece.com



BRANCH: 1004 FORT WORTH
311 EAST VICKERY BLVD
FORT WORTH, TX 76104-1385
Phone 817-336-0451

2



Quotation

EXPIRATION DATE	QUOTE NUMBER
01/18/2025	S119704196
PLEASE REMIT TO: REECE PLUMBING PO BOX 841183 DALLAS, TX 75284-1183 Phone: 817-336-0451	PAGE NO.
	1 of 1

QUOTE TO:

SHIP TO:

1004 COMMERCIAL MECHANICAL QUOTE
JOB NAME REQUIRED
FORT WORTH, TX 76101

1004 COMMERCIAL MECHANICAL QUOTE
JOB NAME REQUIRED
FORT WORTH, TX 76101

CUSTOMER NUMBER		CUSTOMER PO NUMBER		JOB NAME / RELEASE NUMBER		SALESPERSON		
34305		RD1 PRICING		.		House/Branch Sales		
WRITER			SHIP VIA		TERMS		SHIP DATE	FREIGHT ALLOWED
Aaron Marsters			WILL CALL				12/19/2024	No
ORDER QTY	PRODUCT ID	DESCRIPTION				UNIT PRICE		EXT PRICE
1ea	1474489	** ZURN SPEC DRAINS ZC100-C-6" 15" DIAMETER MAIN ROOF DRAIN, D.C.C.I. BODY W CAST IRON DOME, UNDERDECK CLAMP, 6" NONSTOCK POLICY APPLIES - SEE BELOW *ZURN ZC100-3NH-C 3" ROOF DRAIN WITH UNDERDECK CLAMPS NONSTOCK POLICY APPLIES - SEE BELOW				215.269/ea		215.27
1ea	1664500					170.430/ea		170.43
<div>CREDIT</div>								

If we received a copy of the project plans and specifications, then this quotation is based on our interpretation and understanding of the requirements therein. We believe that our quotation does reasonably cover these requirements. However, it is the responsibility of the purchaser to check our quotation, as it is not in any way guaranteed. The responsibility lies with the purchaser to determine the suitability of the material being quoted for the intended use. It is the responsibility of the purchaser to verify quantity, sizes, and descriptions prior to placement of order. This quotation may include NONSTOCK items. For Nonstock items: orders are non-cancellable from 24 hours after order is placed and non-returnable unless accepted by vendor. 25% restocking fee applies. Custom items are not eligible for return.

Subtotal	385.70
S&H Charges	0.00
Amount Due	385.70

Sales Tax not included

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BRANCH: 1004 FORT WORTH
311 EAST VICKERY BLVD
FORT WORTH, TX 76104-1385
Phone 817-336-0451



Quotation

EXPIRATION DATE	QUOTE NUMBER
01/18/2025	S119705010
PLEASE REMIT TO: REECE PLUMBING PO BOX 841183 DALLAS, TX 75284-1183 Phone: 817-336-0451	PAGE NO.
	1 of 1

QUOTE TO:

SHIP TO:

1004 COMMERCIAL MECHANICAL QUOTE
JOB NAME REQUIRED
FORT WORTH, TX 76101

1004 COMMERCIAL MECHANICAL QUOTE
JOB NAME REQUIRED
FORT WORTH, TX 76101

CUSTOMER NUMBER		CUSTOMER PO NUMBER		JOB NAME / RELEASE NUMBER		SALESPERSON		
34305		ASI-03 SP CHANGE		.		House/Branch Sales		
WRITER			SHIP VIA		TERMS		SHIP DATE	FREIGHT ALLOWED
Aaron Marsters			WILL CALL				12/19/2024	No
ORDER QTY	PRODUCT ID	DESCRIPTION				UNIT PRICE		EXT PRICE
1ea	272525	@ORIGINAL SP-1,2 *FRNKLN 10EC-CIA-SFS 1/2HP 115V POLY BASE AUTO SUB SU PN: 510802 NONSTOCK POLICY APPLIES - SEE BELOW				287.714/ea		287.71
1ea	146618	*FRNKLN CVBV-2 2 PVC COMP CHK/BALL VLV W/ 2 SOLIDS 2 PN: 599160				85.055/ea		85.06
1ea	220264	ALDERON 7410-20 OIL ALERT W/ ALARM AND FLOATS NONSTOCK POLICY APPLIES - SEE BELOW				779.560/ea		779.56
						CREDIT		
Subtotal -----								1152.33
1ea	263301	@ASI#03 SP-1,2 *FRNKLN LITTLE GIANT WS50M-20 90GPM SUB EFFLUENT PUMP PN: 620231 NONSTOCK POLICY APPLIES - SEE BELOW				559.075/ea		559.08
1ea	1031523	** ALDERON 7410 120VAC, 15-AMPS, OIL ALERT CONTROL PANEL, SENSOR, REMOTE ALARN NONSTOCK POLICY APPLIES - SEE BELOW				886.750/ea		886.75
Subtotal -----								1445.83

If we received a copy of the project plans and specifications, then this quotation is based on our interpretation and understanding of the requirements therein. We believe that our quotation does reasonably cover these requirements. However, it is the responsibility of the purchaser to check our quotation, as it is not in any way guaranteed. The responsibility lies with the purchaser to determine the suitability of the material being quoted for the intended use. It is the responsibility of the purchaser to verify quantity, sizes, and descriptions prior to placement of order. This quotation may include NONSTOCK items. For Nonstock items: orders are non-cancellable from 24 hours after order is placed and non-returnable unless accepted by vendor. 25% restocking fee applies. Custom items are not eligible for return.

Subtotal	2598.16
S&H Charges	0.00
Amount Due	2598.16

Sales Tax not included



BMB Construction

P.O. Box 164517 | Fort Worth, Texas 76161
8178879014 | info@bmbdfw.com | https://bmbdfw.com/

RECIPIENT:

3

CEC
2320 Bloomdale Road
McKinney, Texas 75071

Quote #1024	
Sent on	Dec 19, 2024
Total	\$7,650.00

Product/Service	Description	Qty.	Unit Price	Total
Trenching in Soil 85' L.F. x 2' W (avg.) x 8' Depth (avg.)	<p>Dear Valued Customer,</p> <p>We will excavate a trench in the soil to the specified dimensions as outlined. The soil will be kept near the excavated area until backfilling. The backfill will consist of cushion sand up to 16 inches, followed by the installation of 1 to 1.5 inch crushed limestone/rock for backfill, up to a distance within 12 to 18 inches from the final grade. Subsequently, the excavated soils will then be used to level the grade and compact the area. Please note that our proposal does not cover the removal of excess material. Any excess material will be stored on site in a designated area. Any unexpected rock or obstructions encountered may result in additional charges.</p> <p>Thank you for entrusting us with your project.</p>	85	\$90.00	\$7,650.00*

85 L.F at 8 feet depth

Total	\$7,650.00
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Please review the following terms and estimate due-date prior to work beginning.

General

Any deviation from the specifications or modifications of the terms of this contract and any extra or incidental work shall be set forth in writing and signed by both parties.



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Notes Continued...

- This Proposal expires seven (7) days from the date submitted but may be accepted later at the sole option of BMB Construction, LLC or Pro Tunnel & Trench (here in after referred to as BMB/PTT).
- BMB/PTT is not responsible for preparing work area prior to our arrival. Vehicles, equipment, materials, etc. located within the work area are the responsibility of the owner or manager to have cleared prior to BMB/PTT arrival. Standing time for crew while area is being readied is \$500.00 per hour. It is understood and agreed to that "Standing Time" charges will be added to final invoice.
- Proposal includes one move-in fee to perform work. Additional move-ins triggered by acts beyond our control will be billed at \$500.00 each.
- Engineering/Permits – Proposal/Contract does not include engineering, job staking, testing, permits, inspection fees, or bonds unless clearly set forth in this agreement.
- All pricing is based on work being performed during normal business hours. Due to the nature of our business, BMB/PTT workdays are typically between the hours of 7:00am to 7:00pm Monday - Friday. Requests for shorter workdays or "after hours" work will be priced accordingly and charges for such are not included in this Proposal/Contract unless clearly stated.

Line Locates

- BMB/PTT shall call 811 for line locates prior to beginning construction and will take every precaution to protect marked lines located within the work area. 811 locates pertain only to public utility lines and do not include irrigation, waterlines, sewer drain lines, electrical, communication, and other utility service lines on private property. Private line location and marking is the responsibility of the property owner or manager.
- Due to the generalized nature of line locates, BMB/PTT shall not be held responsible for, and shall be held harmless from any liability resulting from damages to utilities or any other sub-structures buried or located beneath the work area.
- BMB/PTT shall not be responsible for any damage to or deterioration of any of our work, completed or in process, resulting from any cause beyond our control, but not limited to failure of sub-grade, including soil volume changes, or failure of inadequacy of any labor or materials not furnished and installed by us, whether or not such failure or inadequacy was or could have been known at the time BMB/PTT work was undertaken.

Excavation/Demolition/Concrete

- Pricing for any type of pavement removal/replacement, coring, sawing, or lifting is based on typical thickness of 4"-6". Should BMB/PTT encounter pavement exceeding the 4" to 6" thickness, work will be stopped to negotiate additional charges for such discovery.
- Pricing for trenching, tunneling, and all site excavation work, is based on sand/clay soil conditions. Should rock be encountered, work will be halted, and a Change Order will be approved for the additional costs associated with rock removal measures, prior to BMB/PTT re-commencing work.
- To tunnel underneath large beams anything over 3FT will be an additional \$750.
- A "1 Year Limited Concrete Warranty" is included with your project; the warranty is valid for one year from time of service. Any treatment methods and scheduling are at the discretion of the contractor. Subcontractor work is not warranted unless expressly written. Warranty does not cover acts of God or damages caused directly from abuse outside of normal usage. BMB/PTT does not warrant chips, flaking, spalling, or surface wear in any way. Random cracking of exterior concrete will occur and is to be expected at any point during its lifetime. If settling causes cracks that exceed 1/4" in width within the first year, it will be considered for treatment. BMB/PTT is responsible for correcting only those cracks that exceed the standard within the first year. An appropriate joint or crack filler can be used and is acceptable for a crack up to 1/2 inch in width or vertical displacement. Warranty excludes any displacement or chipping between new and old or existing concrete or pavements.

Foundation Repair

- BMB uses the utmost care and attention when inspecting your home. However, it is possible that complicating factors will be discovered



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Notes Continued...

during the repair process, such as but not limited to broken beams, rotted wood, etc., that will necessitate further repair costs to be borne by customers. BMB recommends homeowner to have all plumbing lines check by a qualified plumber. Customer understands that unpiered portions of the structure are susceptible to movement in the future and may require additional piers. Repair costs for additional piers are not included in this contract and are not warrantied by BMB.

- BMB shall not be responsible for cosmetic or any damages including without limitation to sheetrock, paint, wall covering, wall paper, floor covering, glass, tile, brick and/or mortar, plumbing line, piping or plumbing systems, or damage to driveways, walk, lawns, trees, shrubs, or items of personal property not removed prior to construction, it being specifically understood and agreed that such damages may and often do occur during the pressure grouting or lifting procedure, and that risks of cracking of drywall and brick joints cannot be completely eliminated. Repair costs for the above referenced items and the like are not included in this contract and are not warrantied by BMB.
- Customer is to be aware that proper maintenance is required through the life of the structure and understands and agrees that BMB shall not be responsible for any damage caused by lack of proper maintenance on the premises.

Escalation Clause for Material/Labor/Fuel

- Given the volatility in prices and availability in resources if the cost incurred by the Contractor to provide materials or services for this project increase by 1% or more between the date of the proposal and the time when the job is completed, the Contractor shall be entitled to an equitable adjustment of the contract sum equal to the additional cost (including taxes and fuel surcharges). Contractor is to provide documentation of the price as of the date of this contract and the revised price.

Payment Terms

- Payment in full is due on completion unless other arrangements are clearly set forth in this agreement.
- BMB/PTT accepts credit card payments with a 4% convenience fee that will be added to the total amount due.

Signature: _____ Date: _____

QUOTATION



4

Date 2/25/2025
To CEC
Attn: Josh Bump
By: Darren Rode

Project: Collin County Healthcare
Engineer: Summit
Based on Plans Dated: 11/22/24, ASI#3

PRICING SUMMARY – HEALTHCARE

DESCRIPTION	QTY	TAGGING	TOTAL NET PRICE
Armstrong Design Envelope Vertical Inline Pumps	2	Model 4380 BP-1, 2	
Armstrong Design Envelope Vertical Inline Pumps	2	Model 4300 CHWP-1, 2	\$ 21,382
Suction Diffusers for Armstrong Pumps	4	Serving BP-1, 2, CHWP-1, 2	\$ 2,242
Pump Connectors (Line Size)	4	Serving BP-1, 2, CHWP-1, 2	\$ 1,075
Armstrong Triple Duty Valves (Line Size)	4	Serving BP-1, 2, CHWP-1, 2	
Expansion Tank	1	ET-1	
Spirotherm Air & Dirt Separator	1	ADS-1	
Total			

*Upon initial release of equipment we require 10% payment within 30 days for engineering services and submittals. Remainder of project will be per our standard terms and conditions.

** Tariffs are excluded and will, if necessary, be added to the invoice in addition to the contract amount, as a surcharge.

** If any new tariffs, duties, or similar government-imposed charges or increases to existing ones affect the products or services outlined in this proposal, those costs will be added as a surcharge.

Total for ASI-03= \$23,042.00

ARMSTRONG MODEL 4300/4380 DESIGN ENVELOPE VERTICAL IN-LINE PUMP

TAG: BP-1, 2, CHWP-1,-2

- Armstrong Model 4380 complete as follows:

 - Integrated Motor Mounted VFD
 - Speed: 3600 RPM
 - 460/3/60
 - BACnet Native
 - RS 485 Communication Port
 - Suction Guide: SG
- Model 4300 is split coupled, could not be selected in the 4380 Model 4380 is closed coupled. 4380 is scheduled, a 4300 is more expensive.
This is all per Darren Rode at Texas Air Systems.

SPIROTHERM MODEL VDN-400FA DIRT AND AIR SEPARATOR

TAG: ADS-1

Spirotherm Model VDN-400 complete as follows:

- Spirotube Medium
 - 4 Inch Flanged ASME Connections
 - Max Working Temperature: 270°F
 - Max Working Pressure: 150 PSI
- Includes:
- Brass Spirotop Automatic Air Vent
 - Brass Ball Blow Down Valve
 - Brass Skim Valve

BLADDER STYLE EXPANSION TANK

TAG: ET-1

Model complete as follows:

- Tank/Acceptance Volume: 53 Gallons
- Max Working Temperature: 240°F
- Max Working Pressure: 175 psi

NOTES AND EXCLUSIONS:

1. Vibration Isolation and Housekeeping pads are **NOT INCLUDED** and are by others.
2. Unloading, rigging, installation, wiring, piping, (unless specified above) are **NOT INCLUDED** and are by others.
3. Motor starters, controls, t-stats, timers, sensors, mounting, and control wiring are by others.
4. Cleaning shall be by others
5. Any permits (including preparation of the same) and associated fees shall be by others
6. All warranties are **Parts Only** and do not include labor unless specifically stated above.
7. **Commissioning Time is Not Included** in this quote. Demonstration of equipment performance unless specifically stated above is not included and will be an additional \$150/hour if requested.

This price does not include any applicable taxes or installation. Freight allowed.

-This quotation is subject to change without notice and void after 15 days.
 -Add to the prices quoted any sales tax payable on the transaction under any effective Federal or State statute.
 -F.O.B. Factory, FFA, per mutually agreed schedule. No material to be returned without written authorization.
 -Payment terms: Net 30 Days, Upon Receipt of Satisfactory Credit Information.
 -Texas AirSystems equipment will be supplied based upon approved submittal data.
 -Retainage is not allowed. Texas AirSystems is a material supplier, and will be supplying the entire purchase order value upon delivery of equipment.
 -Payment to Texas AirSystems cannot be conditioned on receipt of payment from the owner by a contractor, construction manager, or customer.
 -Texas AirSystems standard warranty, parts only, is for 12 months from start-up date, not to exceed 18 months from ship date.
 - Texas AirSystems is responsible and accountable only for the acts and omissions of Texas AirSystems.
 -Insurance certificates and bonds can/will be provided upon request

QUOTATION



4

Date 12/19/2024
To CEC
Attn: Josh Bump
By: Darren Rode

Project: Collin County Healthcare, Parking, MEF
Engineer: Summit
Based on Plans Dated: 01/22/2024 – ASI-03

PRICING SUMMARY – HEALTHCARE

DESCRIPTION	QTY	TAGGING	TOTAL NET PRICE
Vibration Eliminator Spring/Neoprene Pipe Hangers	12	Added Hangers	\$ 540

*FOB Factory, Full Freight Allowed, Tax Not Included
*Upon initial release of equipment we require 10% payment within 30 days for engineering services and submittals.
Remainder of project will be per our standard terms and conditions.

VIBRATION ELIMINATOR
Vibration Eliminator Models as follows:

- SNRC Springs
 - 1” Deflection
 - Powder Coated

This price does not include any applicable taxes or installation. Freight allowed.

-This quotation is subject to change without notice and void after 15 days.
-Add to the prices quoted any sales tax payable on the transaction under any effective Federal or State statute.
-F.O.B. Factory, FFA, per mutually agreed schedule. No material to be returned without written authorization.
-Payment terms: Net 30 Days, Upon Receipt of Satisfactory Credit Information.
-Texas AirSystems equipment will be supplied based upon approved submittal data.
-Retainage is not allowed. Texas AirSystems is a material supplier, and will be supplying the entire purchase order value upon delivery of equipment.
-Payment to Texas AirSystems cannot be conditioned on receipt of payment from the owner by a contractor, construction manager, or customer.
-Texas AirSystems standard warranty, parts only, is for 12 months from start-up date, not to exceed 18 months from ship date.
-Texas AirSystems is responsible and accountable only for the acts and omissions of Texas AirSystems.
-Insurance certificates and bonds can/will be provided upon request

Company: CEC Facilities Group
JobName: 24-20HC - Collin County Healthcare
Material Set: Factor 1
Labor Set: 0.8
Run Date: 12/20/2024 8:41
Sort Key: By Matl Group ☐ Subtotals



Matl Group	Qty	Size	Description	Wt	Unit Price	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total
anvbc	2	¾	#86 Galv Mal Cad Plated C-Clamp	0.9	\$ 3.41	1.00	\$ 3.41	\$ 6.82	0.18	0.4	1.00	0.4
anvbc	12	¾	#86 Galv Mal Cad Plated C-Clamp [Material price quote needed]	5.6	\$ -	1.00	\$ -	\$ -	0.18	2.2	1.00	2.2
anvhan	2	10	#260 Hot-Dipped Galv Clevis Hanger	0.9	\$ 24.02	1.00	\$ 24.02	\$ 48.04	0.39	0.8	1.00	0.8
anvhan	12	12	#260 Hot-Dipped Galv Clevis Hanger	5.6	\$ 31.57	1.00	\$ 31.57	\$ 378.84	0.39	4.7	1.00	4.7
anvsad	2	9x12	#167-10A CS Galv Ins Prot Shield	0.9	\$ 9.34	1.00	\$ 9.34	\$ 18.68	0.14	0.3	1.00	0.3
anvsad	12	11x18	#167-12B CS Galv Ins Prot Shield	5.6	\$ 14.45	1.00	\$ 14.45	\$ 173.40	0.14	1.6	1.00	1.6
anvthd	6	¾	#146 Galv All Thread Rod	2.8	\$ 1.05	1.00	\$ 1.05	\$ 6.30	0.02	0.1	1.00	0.1
anvthd	36	¾	#146 Galv All Thread Rod	16.9	\$ 1.61	1.00	\$ 1.61	\$ 57.96	0.03	0.9	1.00	0.9
bolts	64	¾x3	Hex Head Bolt w/ Nut	0.0	\$ 0.99	1.00	\$ 0.99	\$ 63.36	0.00	0.0	1.00	0.0
bolts	320	¾x3¼	Hex Head Bolt w/ Nut	0.0	\$ 1.59	1.00	\$ 1.59	\$ 508.80	0.00	0.0	1.00	0.0
domstl	20	4	Dom Blk A53B ERW Std Wt PE [Material price quote needed]	0.0	\$ -	1.00	\$ -	\$ -	0.26	5.1	1.00	5.1
domstl	120	6	Dom Blk A53B ERW Std Wt PE [Material price quote needed]	0.0	\$ -	1.00	\$ -	\$ -	0.35	42.2	1.00	42.2
fnwhgr	6	¾	Hex Nuts	0.0	\$ 0.34	1.00	\$ 0.34	\$ 2.04	0.00	0.0	1.00	0.0
fnwhgr	36	¾	Hex Nuts	0.0	\$ 0.52	1.00	\$ 0.52	\$ 18.72	0.00	0.0	1.00	0.0
fnwhgr	6	¾	Plain Washer	0.0	\$ 0.06	1.00	\$ 0.06	\$ 0.36	0.00	0.0	1.00	0.0
fnwhgr	36	¾	Plain Washer	0.0	\$ 0.06	1.00	\$ 0.06	\$ 2.16	0.00	0.0	1.00	0.0
fsolet	10	¼	3000# Threaded Outlet [Material price quote needed]	0.0	\$ -	1.00	\$ -	\$ -	0.74	7.4	1.00	7.4
gasket	8	4x1/16	150# Gen Serv FF Gasket	0.0	\$ 1.33	1.00	\$ 1.33	\$ 10.64	0.00	0.0	1.00	0.0
gasket	40	6x1/16	150# Gen Serv FF Gasket	0.0	\$ 1.78	1.00	\$ 1.78	\$ 71.20	0.00	0.0	1.00	0.0
joint	96	¼	Male Iron Pipe Thread Joints	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
joint	64	¼	Female Iron Pipe Thread Joints	0.0	\$ 0.13	1.00	\$ 0.13	\$ 8.32	0.00	0.0	1.00	0.0
joint	4	4	300# Flange Joints	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
joint	24	6	300# Flange Joints	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
joint	12	6	200# Flange Joints	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
joint	1	3	Sch 40 Butt Weld Joints	0.0	\$ 1.54	1.00	\$ 1.54	\$ 1.54	0.00	0.0	1.00	0.0
joint	7	4	Sch 40 Butt Weld Joints	0.0	\$ 2.20	1.00	\$ 2.20	\$ 15.40	0.00	0.0	1.00	0.0
joint	50	6	Sch 40 Butt Weld Joints	0.0	\$ 5.80	1.00	\$ 5.80	\$ 290.00	0.00	0.0	1.00	0.0
joint	10	¼	Std Branch Weld on Pipe	0.0	\$ 0.90	1.00	\$ 0.90	\$ 9.00	0.00	0.0	1.00	0.0
malfit	16	¼	300# Blk Mall 90 Ell	3.2	\$ 15.35	1.00	\$ 15.35	\$ 245.60	0.24	3.8	1.00	3.8
malfit	4	¼	300# Blk Mall Tee	1.2	\$ 19.35	1.00	\$ 19.35	\$ 77.40	0.35	1.4	1.00	1.4
misc	4	4	Bolt & Gasket Set Only	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
misc	16	6	Bolt & Gasket Set Only	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
misc	2	4	Pipe Label	0.0	\$ 1.50	1.00	\$ 1.50	\$ 3.00	0.00	0.0	1.00	0.0
misc	12	6	Pipe Label	0.0	\$ 1.50	1.00	\$ 1.50	\$ 18.00	0.00	0.0	1.00	0.0
misc	2	¼	Pressure Gauge	0.0	\$ 32.00	1.00	\$ 32.00	\$ 64.00	0.60	1.2	1.00	1.2
nbball	10	¼	600# 2Pc FP Thd Ball Valve	5.0	\$ 18.95	1.00	\$ 18.95	\$ 189.50	0.32	3.2	1.00	3.2
nbbfly	4	6	200# DI Lug Bfly ABDsc EPDM wLev	101.6	\$ 415.54	1.00	\$ 415.54	\$ 1,662.16	1.90	7.6	1.00	7.6
nbbmz	2	6	250# Flg BB Swing Check Valve	450.0	\$ 4,828.13	1.00	\$ 4,828.13	\$ 9,656.26	3.35	6.7	1.00	6.7
stlnip	24	¼x6	Std Black Steel Nipple	4.8	\$ 3.49	1.00	\$ 3.49	\$ 83.76	0.02	0.6	1.00	0.6
stlnip	24	¼x12	Std Black Steel Nipple	10.1	\$ 6.96	1.00	\$ 6.96	\$ 167.04	0.02	0.6	1.00	0.6
wldfit	2	6	Std Wt Steel Weld Tee	66.2	\$ 37.11	1.00	\$ 37.11	\$ 74.22	7.30	14.6	1.00	14.6
wldfit	3	6x4	Std Wt Steel Weld Conc Reducer	22.2	\$ 18.21	1.00	\$ 18.21	\$ 54.63	4.30	12.9	1.00	12.9
wldfit	9	6	Std Wt Steel Weld LR 90 Ell	216.0	\$ 42.51	1.00	\$ 42.51	\$ 382.59	4.88	43.9	1.00	43.9
wldfit	1	6x3	Std Wt Steel Weld Red Tee	30.0	\$ 44.27	1.00	\$ 44.27	\$ 44.27	6.93	6.9	1.00	6.9
wldflg	8	6	300# CS RF Blind Flange	400.0	\$ 80.14	1.00	\$ 80.14	\$ 641.12	1.61	12.9	1.00	12.9
wldflg	4	4	300# CS RF Weld Neck Flange	104.0	\$ 48.52	1.00	\$ 48.52	\$ 194.08	2.80	11.2	1.00	11.2
wldflg	16	6	300# CS RF Weld Neck Flange	720.0	\$ 75.57	1.00	\$ 75.57	\$ 1,209.12	3.81	60.9	1.00	60.9
				2173.8				\$ 16,458.33	254.2			



WINSTON WATER COOLER, LTD.
6626 Oakbrook Blvd
DALLAS, TX 75235-4106
Phone 214-748-1484
Fax 214-748-1486

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Quotation

EXPIRATION DATE	QUOTE NUMBER
03/27/2025	S5187849
WINSTON WATER COOLER, LTD. 6626 Oakbrook Blvd DALLAS, TX 75235-4106 Phone 214-748-1484 Fax 214-748-1486	
PAGE NO. 1 of 1	

QUOTE TO:

SHIP TO:

CEC FACILITIES GROUP
1275 VALLEY VIEW LN
IRVING, TX 75061

CEC FACILITIES- COLLIN COUNTY MEDIC
2300 BLOOMDALE RD
MCKINNEY, TX 75071

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON		
105697	CCMC CO QUOTE	CCMC HCB	Andrew Miller		
WRITER		SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
Ulisses Diaz		OT OUR TRUCK	NET 30 DAYS	02/25/2025	No
ORDER QTY	DESCRIPTION			UNIT PRICE	EXT PRICE
12ea	61G0075 EMPIRE WIDE MOUTH BEAM CLAMP ELECTRO-GALVANIZED IMPORT 3/4in			6.784/ea	81.41
21ft	4 STD .237W A53B BLK PE IMP			11.312/ea	237.55
126ft	6 STD .280W A53B BLK PE IMP			19.889/ea	2506.01
10ea	0766260392 ANVIL 36-1/2X1/4 3000# THD UNIV ANLT			9.759/ea	97.59
Pricing is valid for a period of 30 days unless stated otherwise. Company standard terms of sale apply. Pricing on bids do not include sales tax. Material quoted is based on our interpretation of information provided and must be verified by buyer. All material returned must be pre-approved prior to return. Restocking fees, return freight / handling fees may apply.				Subtotal	2922.56
				S&H Charges	0.00
				Amount Due	2922.56



6

BID PROPOSAL

CONTRACTOR INFORMATION

Josh Bump
CEC

Quote #24-1722

PROJECT

12/5/2024
Collin County Healthcare
ASI #3

Superior Insulation Contractors LLC proposes to furnish labor and materials for the following scope of work:

SCOPE OF WORK

HVAC-

- Chilled Water Piping- 2” thick Fiberglass pipe covering with factory applied ASJ jacket. Exposed piping will have field applied PVC jacket.
- Equipment Included- 4-CHW pumps, 1-Expansion tank

Plumbing-

- Horizontal Storm Piping- 1” thick Fiberglass pipe covering with factory applied ASJ jacket. Exposed piping will have field applied PVC jacket.

EXCLUSIONS

All systems not listed above, Bond, Tax, overtime, after hours, painting, identification, Heat trace. Condensate Drain Pans. Plenum wrap on non-rated piping. All piping below grade.

PRICING

Healthcare

Add 139hrs, Material \$5,010

Deduct 10hrs, Material \$611

~~Net add Labor \$8,466, Material \$4,399 = \$12,865 +5%OH +5%P = \$14,184~~

SEE NEW TOTAL BELOW

Proposal Submitted by:
Tommy (JR) Thompson
jr@superiorinsulation.us
214-803-9896

Insulation Breakdown
Pumps
Labor=\$2,344.00
Material=\$300.00
ET
Labor=\$1,500.00
Material=\$208.00
Pipe
Labor=\$4,046.00
Material=\$3,612.00
ET
Labor=-\$1,500.00
Material=-\$208.00
new total for Insulation
\$12,476.00



March 12, 2025

Job Description

Prepared For: Josh Bump
Title: Mech Senior Project Manager
Business Name: Collin County Health Care
Street Address:
City, State, Zip:

Prepared By: Michael Knight
Title: Controls Manager
Street Address: 1645 Wallace Drive, STE 130
City, State, Zip Carrollton, Texas 75006
email: michael.knight@hts.com
O: 469.263.1000 C: 469-540-0769



HTS Texas
3350 Yale Street
Houston, Texas 77018
Phone: 832-328-1010

Date: March 12, 2025

We are pleased to offer our proposal to complete the following scope of work:

Change Order Request for ASI #3 HCB:
Controllers, Wiring, Installation, and Checkout of the following:

HCB - Additional Chill Water Pumps (2) - \$981.42 per point
- Includes Controlling Pumps, providing bypass valve and control, supply and return temperature, supply and monitor Differential Pressure, Subco, BAS Controller, Graphics, Programming, Checkout, and Warranty

OUR PROPOSAL EXCLUDES THE FOLLOWING:

- 1. Afterhours/Weekend work
- 2. Anything not specifically in the above scope of work
- 3. Any not minor repairs that require additional parts

HCB ASI #3 Pump Add \$ 18,647.00

OUR PRICE FOR THIS SCOPE OF WORK IS..... \$ 18,647.00 Total
This price does not include sales tax.

Signature constitutes acceptance of this proposal and Heat Transfer Solutions, Inc. is hereby authorized to perform the work as specified and at the above prices and conditions. Any alteration or deviations from the above specifications involving extra cost will be executed only upon written orders, and will become an extra charge over and above estimate.

Customer Approval

HTS Representative

Signature

Signature

Michael Knight

Printed Name

Printed Name Michael Knight

Date

Date

March 12, 2025

In order to ensure invoices are sent to the proper contact, please fill in the following and return with the signed proposal.

Billing Information

Invoices to be sent to the attention of: (Please Print)

Title:

Company Name:

Address:

City, State, Zip:

Attention:

Phone:

Fax:

Email:

PO#

* Will need Credit App filled out if new customer

Any special requirements your need to accept invoice:

Preferred method of invoice delivery:

STANDARD TERMS AND CONDITIONS

(1) THIS PROPOSAL IS EXPRESSLY CONDITIONED UPON THE TERMS AND CONDITIONS CONTAINED OR REFERRED TO HEREIN, INCLUDING THOSE SET FORTH ON THE REVERSE SIDE AND THOSE CONTAINED IN ANY ATTACHMENTS HERETO.

(2) Customer (Debtor) agrees to pay Heat Transfer Solutions, Inc. (Secured Party) all the sums due under this proposal in accordance with the terms specified. Debtor hereby grants a security interest to Secured Party in all equipment, goods and material described on the reverse side of this proposal as security for the indebtedness created hereunder and any other indebtedness due Secured Party by Debtor. On default of any payment by Debtor to Secured Party, and at Secured Party's option the entire balance shall become immediately due and payable and Secured Party shall have the right to foreclose and resell the said equipment, goods and material in accordance with the Provisions of the Texas Business and Commerce Code (Uniform Commercial Code) at public or private sale.

(2A) TERMS AND PROVISIONS OF CHARGE ACCOUNT AGREEMENT

PAYMENT: The Applicant shall pay to the Creditor the amount of all sales drafts and all other charges in respect of which the credit has been used together with interest thereon all or any portion of the foregoing herein called "indebtedness") within the time period on the creditor's invoice at the time of the sale.

INTEREST: The Applicant shall pay interest to the Creditor on the indebtedness at the annual percentage rate of 12% plus any and all collection fees required if turned over to a collection agency on accounts outstanding 30 days or more.

APPLICATION OF PAYMENT: Payments to reduce indebtedness shall be applied by the Creditor in the following order: interest charges; service fees; previously billed purchases; current purchases.

(3) Heat Transfer Solutions, Inc. liability on any claim for loss or damage arising out of this contract or from the performance or breach thereof or connected with the supplying of any labor, equipment, goods or material hereunder, or their sale, resale, operation or use, whether based on contract, warranty, tort (including negligence) or other grounds, shall not exceed the price allowable to such labor, equipment, goods or material, or part thereof involved in the claim. Heat Transfer Solutions, Inc. shall not, under any circumstances, be liable for any labor charges without the prior written consent of Heat Transfer Solutions, Inc... Heat Transfer Solutions, Inc. shall not, in any event, be liable, whether as a result of breach of contract, warranty, tort (including negligence), or other grounds, for special, consequential, incidental or penal damages, including, but not limited to, loss of profits, revenues, loss of the product or any associated product, cost of capital, cost of substitute products, facilities or services, downtime costs or claims of the Customer for such damages. If Heat Transfer Solutions, Inc. furnishes Customer with advice or other assistance which concerns any labor, equipment, goods, or material furnished hereunder, or any system or equipment in which of such equipment, goods or material may be installed, and which is not pursuant to this contract, the furnishing of such advice or assistance will not subject any service to any liability, whether based on contract, warranty, tort (including negligence) or other grounds.

(4) If Heat Transfer Solutions, Inc. encounters asbestos or polychlorinated biphenyl (PCB) on the site, Heat Transfer Solutions, Inc. shall immediately stop work and report the condition to the owner or owner's representative in writing. Heat Transfer Solutions, Inc. shall not resume work in the affected area until the asbestos or polychlorinated biphenyl (PCB) has been removed or rendered harmless. Heat Transfer Solutions, Inc. shall not be required to perform any work relating to asbestos or polychlorinated biphenyl (PCB) without its consent.

(5) Any installation dates given in advance are estimated. Installation will be made subject to prior orders with Heat Transfer Solutions, Inc.. Heat Transfer Solutions, Inc. shall not be liable for failure to perform or delay in performance hereunder resulting from fire, labor difficulties, delays in usual sources of supply, major changes in economic conditions, or, without limitation by the foregoing, any cause beyond Heat Transfer Solutions, Inc. reasonable control.

(6) On arrival of any equipment, goods or material at the shipping address specified on the reverse side hereof, Customer shall assume all risk of loss or damage to such equipment, goods or material.

(7) In the event Customer requires Heat Transfer Solutions, Inc. to delay shipment or completion of the work under this proposal, payment pursuant to this proposal shall not be withheld or delayed on such account. Heat Transfer Solutions, Inc. shall have the right to deliver any portion of the equipment, goods or material to be furnished hereunder and to bill Customer therefore, and Customer agrees to pay for the same in accordance with terms of the payment hereof upon notification that such shipment is ready for delivery, notwithstanding the fact that Customer may be unable to receive or provide suitable storage space for any such partial delivery. In such event, such portion of the equipment, goods or material ready for shipment may be stored by Heat Transfer Solutions, Inc. at Customer's risk and expense.

(8) The amount of any past, present or future occupation, sales, use, service, excise or other similar tax which Heat Transfer Solutions, Inc. shall be liable for, either on its own behalf or on behalf of Customer, or otherwise, with respect to any equipment, goods, material or service covered by this proposal, shall be in addition to the prices set forth herein and shall be paid by Customer.

(9) Any equipment, goods, material, or work in addition to that required hereunder or in plans and specifications that may be made a part hereof, will be paid for by Customer as extras.

(10) If the equipment, goods or material furnished hereunder requires the use of water or steam, recirculated or otherwise, Heat Transfer Solutions, Inc. shall not be liable for the effect of its physical or chemical properties upon said equipment, goods or material.

(11) When installation of the equipment, goods or material herein is required specifically as a part of this order, such installation work shall be performed only during usual working hours unless otherwise stated herein.

(12) All skilled or common labor which may be furnished by the Customer shall be considered and treated as Customer's own employees, and Customer agrees to fully protect and indemnify Heat Transfer Solutions, Inc. against all claims for accidents or injuries to such employees in the course of the work, or to any person or persons through the negligence of such employees.

(13) No sales or other representatives of Heat Transfer Solutions, Inc. has any authority to alter, vary, or waive any of the terms and conditions stated on either side of this proposal.

Terms proposed:

(14) HTS warrants that its service will be provided in a good and workmanlike manner. HTS warrants that for equipment furnished and/or installed but not manufactured by HTS, HTS will extend to Customer the same warranty terms and conditions which HTS received from the manufacturer of said equipment. For equipment installed by HTS, if, within a year of installation, Customer provides written notice to HTS of defect within thirty (30) days after the defect's appearance or date the defect should have reasonably been discovered, HTS shall, at its option, repair or replace the defective equipment. All transportation charges incurred in connection with the warranty for equipment shall be borne by Customer. These warranties do not extend to any equipment which has been repaired by anyone other than HTS, abused, altered or misused, or which has not been properly and reasonably maintained. To obtain assistance under this limited warranty, please contact Heat Transfer Solutions, 3350 Yale Street, Houston, TX 77018; (832) 328-1010. HTS warrants all labor for a term of 90 days from the date of the work that was performed. HTS DISCLAIMS ALL OTHER WARRANTIES ON ANY EQUIPMENT FURNISHED UNDER THIS AGREEMENT, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

4/2/2025



1/8/2025

The Christman Company

Attn: Mr. Jim Terhune

Re: Collin County Medical Campus

Request for Proposal – ASI#3

GME Proposal X905 Rev-2

GME Project #GME-24-009

Dear Mr. Terhune,

George-McKenna Electrical Contractors has reviewed the above-referenced revision and has found changes to our scope. We are pleased to provide a revised price to you in the deductive amount of **\$ 26,309.00 (Twenty-Six Thousand Three Hundred Nine Dollars and 00/100)** for the changes shown and work described below.

Scope: See attached

Drawings: See Attached

We acknowledge receipt of:

Pricing is firm for 10 days from date of this letter. We recognize this revision is not issued to proceed, but price only. We will proceed with receipt of your written approval by Change Order or Contract.

If additional information is required, please do not hesitate to contact me.

Very Truly Yours,

George-McKenna Electrical Contractors, LLC.

Cary Ratliff

Project Manager

Page Two



Request for Proposal – ASI#3
GME Proposal X905 Rev-2
GME Project #GME-24-009

Scope:

1. Deleted from ASI#3 scope SD- E100- Credit for MV Transformer, Credit for MV Wire and terminations and conduits from ATSS to DSS.
2. HC-E2.01- Add power requirements for CHWP-1 and CHWP-2 and Add (2) disconnects and conn for CHWP-1 and 2
3. HC-E5.01- ADD (2) 408V 3 POLE 40A BREAKER FOR CHWP-1 PANEL 1MC1
4. ME-E2.12- Add power requirements for CHWP-1 and, CHWP-2 Add (2) disconnects and conn for CHWP-1 and 2
5. ME-E5.01- ADD (2) 408V 3 POLE 40A BREAKER FOR CHWP-1 PANEL MM1

Clarifications:

1. Permits or inspection fees are not included if required.
2. Material may have extended lead time. EST provided once order is placed.

Exclusions:

1. Demo and concrete if new Oncor transformer pad is needed for Utility Transformer and re-work of existing conduits at existing transformer pad

General Conditions:

- 1) Any applicable sales taxes are included in our submission.
- 2) This contractor shall not be held liable for errors or omissions in designs by others, nor inadequacies of materials and equipment specified or supplied by others.
- 3) Equipment and materials supplied by the contractor are warranted only to the extent that the same are warranted by the manufacturer (unless otherwise required by specification).
- 4) This contractor shall not be liable for indirect loss or damage.
- 5) Unless included in this proposal, all bonding and/or special insurance requirements are supplied at additional cost.
- 6) ***We do not include any cutting, patching or painting of concrete, wall surfaces or ceiling surfaces. Our work is bid with the assumption that our work will be scheduled to be installed in accordance with the manufacturers recommended installation***



procedures and NEC code requirements. All back boxes must be installed prior to wall surfaces for new wall construction and wall surfaces must be removed for installation of electrical systems in existing walls.

- 7) All material is guaranteed to be as specified (unless noted otherwise). All work to be completed in a workman like manner according to standard practices. Any alteration or deviation from the above specifications involving extra work will be executed and signed for on a daily basis, computed utilizing NECA labor and material units and will become an extra charge over and above the estimate.
- 8) George-McKenna Electrical Contractors, Inc. bids this project with the assumption that there is no asbestos or lead contamination on the project site, and will not be responsible for the removal, protection from, or disposal of same. If asbestos or lead contamination is found, our personnel will stop work until removal of asbestos or lead from the project site has been completed by others.
- 9) ***Our proposal is valid for 10 days. After 10 days we reserve the right to adjust our proposal for material and/or labor increases or voidance.***



PROPOSAL REQUEST SUMMARY

Project:	Collin County Medical Campus	GME Project No.	GME 24-009
Description of Work:	ASI #3 Healthcare		
Submitted by:	Cary Ratliff	Date:	6-Mar-25
		Proposal Request No.	X- 905

LABOR				BURDEN	TOTAL
JOB EXPENSE					
Project Manager	1.60	@	\$70.00 =	\$112.14	
Project Engineer	1.60		\$55.00 =	\$88.11	
Superintendent	2.67	@	\$60.00 =	\$160.20	
	5.87			\$360.45	\$162.20 \$522.65
DIRECT FIELD					
Foreman	0.53	@	\$47.50 =	\$25.37	
Electrician	53.40	@	\$43.50 =	\$2,322.90	
Estimating	2.83	@	\$55.00 =	\$155.66	
Material Handling	2.67	@	\$0.00 =	\$0.00	
Clean-Up	2.67	@	\$0.00 =	\$0.00	
	62.10			\$2,503.93	\$1,126.77 \$3,630.69

LABOR COST \$4,153.35

MATERIALS/EQUIPMENT		Estimated	Sales Tax 8.25%	Cost
Material	See Attached BOM	\$808.27		\$808.27
QUOTES	Elliot's	\$3,437.50		\$3,437.50
				\$0.00
Rental	scissor lifts 19'	\$525.00	\$43.31	\$568.31
		\$4,770.77	\$43.31	\$4,814.08

MATERIALS/EQUIPMENT COSTS \$4,814.08

JOB EXPENSE			Cost
Direct Job Expense (SMALL TOOLS)			\$166.13
Indirect Job Expense	3.0%	Yes	\$124.60
Other Job Expense (2% Labor)			\$83.07
			\$373.80

JOB EXPENSE COST \$373.80

PRIME COST		\$9,341.23
OVERHEAD @	10%	\$934.12
SUB-TOTAL		\$10,275.35
PROFIT @	5%	\$513.77
SUB-TOTAL		\$10,789.12
Bond Premium @	0.0%	\$0.00
TOTAL ESTIMATED AMOUNT		\$10,789.12
QUOTED AMOUNT		\$10,789

Scope of Work:

ASI #3 Healthcare

See attached scope for detailed description of work.

Proposal is firm for 10 days only!!!								
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Job ID: GME-24-009CO
Project: Collin County HC Facilities - Change Orders

CO: CO-0006: ASI #3 Rev-2

Takeoff

Phase: HC-E2 01

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
	0 00				Branch OH CHWP 1,2- panel to Disconnects				
TITLE	45 00	EA	M	3/4	EMT ON CONCRETE MULTI RUN	0 0000	0 00	0 0000	0 00
10054	90 00	FT	M	3/4	EMT	0 7114	64 03	0 0620	5 58
20739	6 00	EA	M	3/4	EMT FIELD-BEND	0 0000	0 00	0 2400	1 44
940071	14 00	EA	M	3/4	EMT STEEL-COMP COUPLING -US MADE	2 7736	38 83	0 1700	2 38
161784	14 00	EA	M	3/4	EMT 1-HOLE STEEL STRAP	0 1288	1 80	0 0500	0 70
160938	14 00	EA	M	1/4-20 x 3/4"	STN-STL MACHINE SCREWS	0 4575	6 41	0 0875	1 23
160250	14 00	EA	M	1/4 x 1"	STN-STL CONCRETE DROP-IN ANCHOR	8 6213	120 70	0 2000	2 80
161321	14 00	EA	M	3/8 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0 3500	4 90	0 1700	2 38
940001	4 00	EA	M	3/4	EMT STEEL SS CONNECTOR -US MADE	1 9100	7 64	0 1200	0 48
40243	4 00	EA	M	3/4	PLASTIC BUSHING	0 0963	0 39	0 1400	0 56
70035	377 00	FT	M	8	THHN/THWN CU (STR)	0 4663	175 78	0 0113	4 26
100139	0 00	EA	M	#18 to 8	WIRE-NUT MED -RED	0 3233	0 00	0 0800	0 00
70229	114 00	FT	M	10	GREEN THHN CU (GRD 60A)	0 2533	28 88	0 0100	1 14
100139	0 00	EA	M	#18 to 8	WIRE-NUT MED -RED	0 3233	0 00	0 0800	0 00
150096	0 00	EA	M		4"SQ BLANK COVER	0 3986	0 00	0 0900	0 00
160938	0 00	EA	M	1/4-20 x 3/4"	STN-STL MACHINE SCREWS	0 4575	0 00	0 0875	0 00
160250	0 00	EA	M	1/4 x 1"	STN-STL CONCRETE DROP-IN ANCHOR	8 6213	0 00	0 2000	0 00
161321	0 00	EA	M	3/8 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0 3500	0 00	0 1700	0 00
160418	0 00	EA	M	1/4"	PLTD FLAT WASHER	0 0434	0 00	0 0015	0 00
100159	0 00	EA	M	#12 SOL	8" PIGTAIL W/GRD SCREW	0 4648	0 00	0 0800	0 00
	2 00				Branch OH CHWP 1,2 Disconnects to Pump				
TITLE	25 00	EA	M	3/4	EMT ON CONCRETE MULTI RUN	0 0000	0 00	0 0000	0 00
10054	50 00	FT	M	3/4	EMT	0 7114	35 57	0 0620	3 10
20739	6 00	EA	M	3/4	EMT FIELD-BEND	0 0000	0 00	0 2400	1 44
940071	10 00	EA	M	3/4	EMT STEEL-COMP COUPLING -US MADE	2 7736	27 74	0 1700	1 70
161784	10 00	EA	M	3/4	EMT 1-HOLE STEEL STRAP	0 1288	1 29	0 0500	0 50

Takeoff Report: Collin County HC Facilities - Change Orders

Phase: HC-E2 01

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
160938	10 00	EA	M	1/4-20 x 3/4"	STN-STL MACHINE SCREWS	0 4575	4 58	0 0875	0 88
160250	10 00	EA	M	1/4 x 1"	STN-STL CONCRETE DROP-IN ANCHOR	8 6213	86 21	0 2000	2 00
161321	10 00	EA	M	3/8 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0 3500	3 50	0 1700	1 70
940001	4 00	EA	M	3/4	EMT STEEL SS CONNECTOR -US MADE	1 9100	7 64	0 1200	0 48
40243	4 00	EA	M	3/4	PLASTIC BUSHING	0 0963	0 39	0 1400	0 56
70035	212 00	FT	M	8	THHN/THWN CU (STR)	0 4663	98 85	0 0113	2 40
100139	0 00	EA	M	#18 to 8	WIRE-NUT MED -RED	0 3233	0 00	0 0800	0 00
70229	64 00	FT	M	10	GREEN THHN CU (GRD 60A)	0 2533	16 21	0 0100	0 64
100139	0 00	EA	M	#18 to 8	WIRE-NUT MED -RED	0 3233	0 00	0 0800	0 00
150096	0 00	EA	M		4"SQ BLANK COVER	0 3986	0 00	0 0900	0 00
160938	0 00	EA	M	1/4-20 x 3/4"	STN-STL MACHINE SCREWS	0 4575	0 00	0 0875	0 00
160250	0 00	EA	M	1/4 x 1"	STN-STL CONCRETE DROP-IN ANCHOR	8 6213	0 00	0 2000	0 00
161321	0 00	EA	M	3/8 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0 3500	0 00	0 1700	0 00
160418	0 00	EA	M	1/4"	PLTD FLAT WASHER	0 0434	0 00	0 0015	0 00
100159	0 00	EA	M	#12 SOL	8" PIGTAIL W/GRD SCREW	0 4648	0 00	0 0800	0 00
0 00					Pump Connections				
TITLE	2 00	EA	M	3/4	LIQUIDTITE CONDUIT	0 0000	0 00	0 0000	0 00
50081	6 00	FT	M	3/4	LIQUIDTITE CONDUIT	1 0117	6 07	0 0620	0 37
70034	36 00	FT	M	10	THHN/THWN CU (STR)	0 2533	9 12	0 0088	0 32
70229	8 00	FT	M	10	GREEN THHN CU (GRD 60A)	0 2533	2 03	0 0100	0 08
50276	2 00	EA	M	3/4	LIQUIDTITE INS-THROAT ANGLE CONN	15 1526	30 31	0 2640	0 53
50287	2 00	EA	M	3/4	LIQUIDTITE INS-THROAT STRAIGHT CONN	8 0260	16 05	0 2200	0 44
40128	4 00	EA	M	3/4	GROUND BUSHING -INSULATED	3 3463	13 39	0 3450	1 38
160069	2 00	EA	M	3/4	GALV MINI EMT-HGR NO/BOLT	0 0000	0 00	0 1563	0 31
100566	6 00	EA	M	10	WIRE TERMINATION LBR	0 0000	0 00	0 2200	1 32
0 00					CHWP-1,2 Disconnects				
220543	2 00	EA	M	60/3	NON-FUSIBLE SAFETY SWITCH-NEMA 1	0 0000	0 00	2 5000	5 00
210001	2 00	EA	M		SMALL EQUIPMENT CONNECTION	0 0000	0 00	0 7800	1 56
Phase Totals:							808.27		49.64
Job Totals:							808.27		49.64

Job ID: GME-24-009CO
Project: Collin County HC Facilities - Change Orders

CO: CO-0006: ASI #3 Rev-2

Takeoff

Phase: HC-E5 01

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
	0 00				Breakers CHWP Pumps				
181723	2 00	EA	M	40/3	EATON TYPE BA BOLT-ON BREAKER	0 0000	0 00	1 0000	2 00
100566	8 00	EA	M	10	WIRE TERMINATION LBR	0 0000	0 00	0 2200	1 76
Phase Totals:							0.00		3.76
Job Totals:							0.00		3.76



PROPOSAL REQUEST SUMMARY

Project:	Collin County Medical Campus	GME Project No.	GME 24-009
Description of Work:	ASI #3 Medical Examiners		
Submitted by:	Cary Ratliff	Date:	6-Mar-25
		Proposal Request No.	X- 905

LABOR				BURDEN	TOTAL
JOB EXPENSE					
Project Manager	2.82	@	\$70.00 =	\$197.15	
Project Engineer	2.82		\$55.00 =	\$154.90	
Superintendent	4.69	@	\$60.00 =	\$281.64	
	10.33			\$633.69	\$285.16 \$918.85
DIRECT FIELD					
Foreman	0.94	@	\$47.50 =	\$44.59	
Electrician	93.88	@	\$43.50 =	\$4,083.78	
Estimating	4.98	@	\$55.00 =	\$273.66	
Material Handling	4.69	@	\$0.00 =	\$0.00	
Clean-Up	4.69	@	\$0.00 =	\$0.00	
	109.18			\$4,402.03	\$1,980.91 \$6,382.95

LABOR COST	\$7,301.80
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MATERIALS/EQUIPMENT		Sales Tax		
		Estimated	8.25%	Cost
Material	See Attached BOM	\$1,472.07		\$1,472.07
QUOTES	Elliot's	\$3,437.50		\$3,437.50
			\$0.00	\$0.00
	scissor lifts 19'	\$525.00	\$43.31	\$568.31
		\$5,434.57	\$43.31	\$5,477.88

MATERIALS/EQUIPMENT COSTS	\$5,477.88
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JOB EXPENSE		Cost
Direct Job Expense (SMALL TOOLS)		\$292.07
Indirect Job Expense	3.0% Yes	\$219.05
Other Job Expense (2% Labor)		\$146.04
		\$657.16

JOB EXPENSE COST	\$657.16
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PRIME COST		\$13,436.84
OVERHEAD @	10%	\$1,343.68
SUB-TOTAL		\$14,780.53
PROFIT @	5%	\$739.03
SUB-TOTAL		\$15,519.55
Bond Premium @	0.0%	\$0.00
TOTAL ESTIMATED AMOUNT		\$15,519.55
QUOTED AMOUNT		\$15,520

Scope of Work:

ASI #3 Medical Examiners
See attached scope for detailed description of work.
Proposal is firm for 10 days only!!!

Job ID: GME-24-009CO
Project: Collin County HC Facilities - Change Orders

CO: CO-0006: ASI #3 Rev-2

Takeoff

Phase: ME-E2 12

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
2 00 Branch OH CHWP 1,2 panel to Junction boxes									
TITLE	77 00	EA	M	3/4	EMT ON CONCRETE MULTI RUN	0 0000	0 00	0 0000	0 00
10054	154 00	FT	M	3/4	EMT	0 7114	109 56	0 0620	9 55
20739	6 00	EA	M	3/4	EMT FIELD-BEND	0 0000	0 00	0 2400	1 44
940071	16 00	EA	M	3/4	EMT STEEL-COMP COUPLING -US MADE	2 7736	44 38	0 1700	2 72
161784	24 00	EA	M	3/4	EMT 1-HOLE STEEL STRAP	0 1288	3 09	0 0500	1 20
160938	24 00	EA	M	1/4-20 x 3/4"	STN-STL MACHINE SCREWS	0 4575	10 98	0 0875	2 10
160250	24 00	EA	M	1/4 x 1"	STN-STL CONCRETE DROP-IN ANCHOR	8 6213	206 91	0 2000	4 80
161321	24 00	EA	M	3/8 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0 3500	8 40	0 1700	4 08
940001	8 00	EA	M	3/4	EMT STEEL SS CONNECTOR -US MADE	1 9100	15 28	0 1200	0 96
40243	8 00	EA	M	3/4	PLASTIC BUSHING	0 0963	0 77	0 1400	1 12
70035	555 00	FT	M	8	THHN/THWN CU (STR)	0 4663	258 77	0 0113	6 27
100139	12 00	EA	M	#18 to 8	WIRE-NUT MED -RED	0 3233	3 88	0 0800	0 96
70229	168 00	FT	M	10	GREEN THHN CU (GRD 60A)	0 2533	42 56	0 0100	1 68
100139	4 00	EA	M	#18 to 8	WIRE-NUT MED -RED	0 3233	1 29	0 0800	0 32
150096	4 00	EA	M		4"SQ BLANK COVER	0 3986	1 59	0 0900	0 36
160938	8 00	EA	M	1/4-20 x 3/4"	STN-STL MACHINE SCREWS	0 4575	3 66	0 0875	0 70
160250	8 00	EA	M	1/4 x 1"	STN-STL CONCRETE DROP-IN ANCHOR	8 6213	68 97	0 2000	1 60
161321	8 00	EA	M	3/8 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0 3500	2 80	0 1700	1 36
160418	8 00	EA	M	1/4"	PLTD FLAT WASHER	0 0434	0 35	0 0015	0 01
100159	4 00	EA	M	#12 SOL	8" PIGTAIL W/GRD SCREW	0 4648	1 86	0 0800	0 32
740109	6 00	EA	M	3/4	FIRE STOP WALL/FLOOR SEAL LBR	5 0000	30 00	1 1500	6 90
2 00 Branch OH CHWP 1,2 Disconnects to Pumps									
TITLE	25 00	EA	M	1	EMT ON CONCRETE MULTI RUN	0 0000	0 00	0 0000	0 00
10055	50 00	FT	M	1	EMT	1 2187	60 94	0 0680	3 40
20740	4 00	EA	M	1	EMT FIELD-BEND	0 0000	0 00	0 4800	1 92
940072	8 00	EA	M	1	EMT STEEL-COMP COUPLING -US MADE	3 9900	31 92	0 2000	1 60

Phase: ME-E2 12

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
161785	10 00	EA	M	1	EMT 1-HOLE STEEL STRAP	0 2548	2 55	0 0500	0 50
160938	10 00	EA	M	1/4-20 x 3/4"	STN-STL MACHINE SCREWS	0 4575	4 58	0 0875	0 88
160250	10 00	EA	M	1/4 x 1"	STN-STL CONCRETE DROP-IN ANCHOR	8 6213	86 21	0 2000	2 00
161321	10 00	EA	M	3/8 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0 3500	3 50	0 1700	1 70
940022	4 00	EA	M	1	EMT STEEL COMP CONNECTOR -US MADE	6 5148	26 06	0 4300	1 72
40244	4 00	EA	M	1	PLASTIC BUSHING	0 1448	0 58	0 1700	0 68
70035	423 00	FT	M	8	THHN/THWN CU (STR)	0 4663	197 23	0 0113	4 78
100139	18 00	EA	M	#18 to 8	WIRE-NUT MED -RED	0 3233	5 82	0 0800	1 44
70229	64 00	FT	M	10	GREEN THHN CU (GRD 60A)	0 2533	16 21	0 0100	0 64
100139	6 00	EA	M	#18 to 8	WIRE-NUT MED -RED	0 3233	1 94	0 0800	0 48
150043	6 00	EA	M	2-1/8"D	4"SQ 1"-KO NO BRKT	3 9383	23 63	0 3500	2 10
150096	6 00	EA	M		4"SQ BLANK COVER	0 3986	2 39	0 0900	0 54
160938	12 00	EA	M	1/4-20 x 3/4"	STN-STL MACHINE SCREWS	0 4575	5 49	0 0875	1 05
160250	12 00	EA	M	1/4 x 1"	STN-STL CONCRETE DROP-IN ANCHOR	8 6213	103 46	0 2000	2 40
161321	12 00	EA	M	3/8 x 1 1/2 - 3"	HAMMER DRILLED HOLE	0 3500	4 20	0 1700	2 04
160418	12 00	EA	M	1/4"	PLTD FLAT WASHER	0 0434	0 52	0 0015	0 02
100159	6 00	EA	M	#12 SOL	8" PIGTAIL W/GRD SCREW	0 4648	2 79	0 0800	0 48
0 00					Pump Connections				
TITLE	2 00	EA	M	3/4	LIQUIDTITE CONDUIT	0 0000	0 00	0 0000	0 00
50081	6 00	FT	M	3/4	LIQUIDTITE CONDUIT	1 0117	6 07	0 0620	0 37
70034	36 00	FT	M	10	THHN/THWN CU (STR)	0 2533	9 12	0 0088	0 32
70229	8 00	FT	M	10	GREEN THHN CU (GRD 60A)	0 2533	2 03	0 0100	0 08
50276	2 00	EA	M	3/4	LIQUIDTITE INS-THROAT ANGLE CONN	15 1526	30 31	0 2640	0 53
50287	2 00	EA	M	3/4	LIQUIDTITE INS-THROAT STRAIGHT CONN	8 0260	16 05	0 2200	0 44
40128	4 00	EA	M	3/4	GROUND BUSHING -INSULATED	3 3463	13 39	0 3450	1 38
160069	2 00	EA	M	3/4	GALV MINI EMT-HGR NO/BOLT	0 0000	0 00	0 1563	0 31
100566	6 00	EA	M	10	WIRE TERMINATION LBR	0 0000	0 00	0 2200	1 32
0 00					CHWP-1,2 Disconnects				
220543	2 00	EA	M	60/3	NON-FUSIBLE SAFETY SWITCH-NEMA 1	0 0000	0 00	2 5000	5 00
210001	2 00	EA	M		SMALL EQUIPMENT CONNECTION	0 0000	0 00	0 7800	1 56
Phase Totals:							1,472.07		90.12
Job Totals:							1,472.07		90.12

Job ID: GME-24-009CO
Project: Collin County HC Facilities - Change Orders

CO: CO-0006: ASI #3 Rev-2

Takeoff

Phase: ME-E5 01

Item #	Qty	U/M	Q/M	Size	Description	Material Unit	Material Result	Labor Unit	Labor Result
	0 00				Breakers CHWP Pumps				
181723	2 00	EA	M	40/3	EATON TYPE BA BOLT-ON BREAKER	0 0000	0 00	1 0000	2 00
100566	8 00	EA	M	10	WIRE TERMINATION LBR	0 0000	0 00	0 2200	1 76
Phase Totals:							0.00		3.76
Job Totals:							0.00		3.76



Detail Bill of Material

Page 1 of 1

Project Name: COLIN COUNTY MEDICAL
General Order No:

Negotiation No: D1LD0305X5K4
Alternate No: 0000

Item No.	Qty	Product	Description
	4	Safety Switches	SSW2

Catalog No DH362NGK

Qty List of Materials

- 1 Heavy Duty Switch - Fusible, 3-Pole (use for 2-Pole or 3-Pole), 4-Wire, 600 VAC, 60 A, NEMA 1

Item No.	Qty	Product	Description
	4	MCCB SERIES C	TYPE FD BRK 3P 40A 600VAC MAX 18K AIC

Catalog No FD3040

Qty List of Materials

- 4 TYPE FD BRK 3P 40A 600VAC MAX 18K AIC **(BREAKERS ONLY, NO HARDWARE INCLUDED)**

C/N \$6,875.00

3/5/2025

ELLIOTT ELECTRIC SUPPLY
DFW PROJECT SOLUTIONS
2900 E PIONEER PKWY SUITE 160
ARLINGTON, TX 76010

(817) 422-0258

NOTES:

- 1.) Quote based on Elliott Electric Supply's best interpretation of submitted specifications and/or drawings. Purchaser should review quote for consistency with specifications and/or drawings.
- 2.) This quote does NOT make provisions for any potential US government imposed tariffs.
- 3.) EES shall not be responsible for any failure to perform, or delay in performance of, its obligations resulting from the COVID-19 pandemic or any future epidemic, and Buyer shall not be entitled to any damages resulting thereof.
- 4.) Coordination studies, start up testing, and GF Protection tests are not included in this quote unless shown on this BOM.
- 5.) Safety switches, fuses, enclosed circuit breakers, starters, meter sockets, and other miscellaneous equipment are not included unless shown on this Bill of Material.
- 6.) Dry type transformers do not include primary or secondary terminal lugs.
- 7.) Pricing is per attached Bill of Material only and is valid for 30days. This quote does NOT include tax.
- 8.) Leadtimes may vary due to industry supply chain issues.
- 9.) ALL QUOTES ARE "SUBJECT TO CREDIT APPROVAL"

Eaton Selling Policy 25-000 applies.

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

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

FEEDER & BREAKER SCHEDULE

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ATED
VA
VA
A
VA
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MPS

MEDICAL EXAMINER'S BUILDING

HEALTHCARE FACILITY
ELECTRICAL ROOM 139

- GEC FOR SERVICES, SEPARATELY DERIVED SYSTEMS IN ALUMINUM CONDUCTORS, CU GEC.
- LARGEST CONDUCTOR EQUIVALENT AREA OF PARALLEL CONDUCTORS (ALUM)
- | CONDUCTOR (ALUM) | GEC (CU) |
|------------------|----------|
| 100 OR LESS | 100 |
| 200 | 200 |
| 300 | 300 |
| 400 | 400 |
| 500 | 500 |
| 600 | 600 |
| 800 | 800 |
| 1,000 | 1,000 |
| 1,250 | 1,250 |
| 1,500 | 1,500 |
1. USE TABLE 250.122 TO DETERMINE SIZE OF EQUIPMENT GROUNDING CONDUCTOR (EGC) FOR BRANCH CIRCUITS, RACEWAY, CONDUIT, MOTOR CIRCUITS, AND WIRING METHODS. 2. USE RUN, USE TOTAL EQUIVALENT AREA OF PARALLELED CONDUCTORS FOR SIZING PARALLEL GECs.
3. USE COMPRESSION LUGS FOR FEEDERS OVER 100A.
4. USE TABLE 250.66 TO DETERMINE THE EQUIPMENT GROUNDING CONDUCTOR (EGC) SIZES AT THE SERVICE ENTRANCE, AT EACH BUILDING OR STRUCTURE WHERE SERVED BY A FEEDER, AT TRANSFORMERS, OR AT ANY OTHER SEPARATELY DERIVED SYSTEM.

XFMR SIZE	PRI OCPS	PRIMARY FEEDERS (CU, UNO)	SECONDARY FEEDERS (CU, UNO)	SEC OCPS	XFMR
15 kVA	25A	3#10, #10 G, 3/4" C	4#4, #6, 1/2" C	60 A	#8 CU, 3" G
30 kVA	50 A	3#6, #10 G, 1" C	4#10, #8 G, 2" C	110 A	#6 #8
45 kVA	70 A	3#4, #8 G, 1-1/2" C	4#10, #8 G, 2 1/2" C	175 A	#2 #4
75 kVA	125 A	3#2, 84 G, 2" C	4#10, #2 G, 4", 3" C	300 A	#1 #2
112.5 kVA	200 A	3#250, #4 G, 2 1/2" C	2 SETS (4#10, #30 G, 4", 3" C)	400 A	#30
160 kVA	275 A	3#250, #2 1/2 G, 2 1/2" C	2 SETS (4#10, #50 G, 4", 3" C)	500 A	#50

SYMBOL	DESCRIPTION
M	MAIN POWER METER
H	TOTAL HVAC SYSTEMS - HEATING, COOLING, AND VENTILATION, INCLUDING FAN COILS, FANS, PUMPS, BOILERS, CHILERS, AND WATER HEATING. ENERGY USED BY 120V EQUIPMENT, OR BY 208/240V EQUIPMENT LOCATED IN THE BUILDING, IS NOT INCLUDED. ENERGY USED BY POWER IS PERMITTED TO BE EXCLUDED FROM THE TOTAL HVAC SYSTEMS ENERGY USE.
L	EXTERIOR LIGHTING - LIGHTING SYSTEMS LOCATED WITHIN THE BUILDING.
XL	EXTERIOR LIGHTING - LIGHTING SYSTEMS LOCATED ON THE BUILDING'S SURFACE BUT NOT WITHIN THE BUILDING.
R	PLUG LOADS - DEVICES, APPLIANCES AND EQUIPMENT CONNECTED TO CONVENIENCE RECEPTACLE OUTLETS.
P	PROCESS LOADS - ANY SINGLE LOAD THAT IS NOT INCLUDED IN HVAC, EXTERIOR LIGHTING, OR PLUG LOADS, AND THAT EXCEEDS 5% OF THE PEAK CONNECTED LOAD OF THE WHOLE BUILDING, INCLUDING BUT NOT LIMITED TO DATA CENTERS, MANUFACTURING EQUIPMENT, AND COMMERCIAL KITCHENS.

- METER AND INSTALLATION TO COMPLY WITH IECG 2021 POWER METERING STANDARDS. REFER TO ELECTRICAL DETAILS FOR ADDITIONAL INFORMATION.
- COORDINATE EXACT ELECTRICAL REQUIREMENTS FOR POWER METERING

- ENERGY USE CATEGORY MONITORING**
- ALL OTHER CATEGORIES PROVIDED SHALL DIVIDE OUT THE TOTAL BILLING LOAD INTO ENERGY USE CATEGORIES PER EACH REQUIREMENT.
- THE FOLLOWING CATEGORIES ARE REQUIRED TO BE IDENTIFIED BY THE BIDDER(S) DENOTES HOW EACH PARENT'S LOADS SHALL BE CATEGORIZED.
- THE FOLLOWING CATEGORIES REFER TO THE FOLLOWING ENERGY USE CATEGORIES AS DEFINED IN THE SPECIFICATIONS:
1. VERIFIPOWER METERING SHALL PROVIDE A POWER METERING C.T. FOR ALL LEVITON SERIES 7000 OR APPROVED EQUIVALENT, TO MONITOR CURRENT AT THE POINT OF INSTALLATION OF THE METERING C.T. TO VERIFY POWER METER.
- INDIVIDUAL BRANCH CIRCUIT BREAKERS MAY BE UTILIZED TO MAINTAIN THE METERING C.T. TO MONITOR CURRENT. REFER TO ELECTRICAL PANEL SCHEDULES FOR ADDITIONAL INFORMATION IN EACH INSTANCE, THIS INDIVIDUALLY METERED LOAD SHALL BE SUBTRACTED FROM THE OVERALL PANEL METERED LOAD.
- INDIVIDUALLY METERED LOAD SHALL BE SUBTRACTED FROM THE OVERALL PANEL METERED LOAD.
- THE FOLLOWING EQUIPMENT SHALL BE PROGRAMMED TO ADD TOGETHER THESE CATEGORIES AT THE MAIN DATA ACQUISITION HUB. ALL OTHER LOADS SHALL BE CATEGORIZED AS BUILDING OPERATIONS AND OTHER MISCELLANEOUS LOADS.

1. MAIN SWITCHBOARD SHALL BE EQUIPPED WITH A SOLID STATE POWER QUALITY METER.

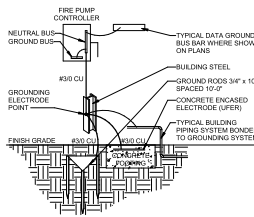
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1. FIRE PUMP INSTALLATION SHALL BE IN ACCORDANCE WITH NEC 695.
2. FIRE PUMP DISCONNECTING MEANS SHALL BE SUPERVISED IN THE CLOSED POSITION BY THE FIRE ALARM PANEL, OR IT SHALL BE PLACED IN THE "CLOSING" POSITION, ONLY A SINGLE DISCONNECTING MEANS SHALL EXIST BETWEEN THE FIRE PUMP AND THE UTILITY TRUNK.
3. UTILITY AND GENERATOR FEEDERS TO FIRE PUMP MUST BE BURIED OR ENCASED IN CONCRETE WITH A MINIMUM 2" THICKNESS, OR PROTECTED BY A 2-HOUR FIRE RATED ASSEMBLY. THIS PROTECTION IS NOT REQUIRED WHERE THE FEEDER IS LOCATED OUTSIDE THE BUILDING.
4. WHERE FIRE PUMP FEEDER IS BURIED OUTSIDE OF BUILDING, INSTALL FEEDER A MINIMUM OF 4" BELOW GRADE. INSTALL WARNING TAPE 12" BELOW GRADE DIRECTLY ABOVE CONDUIT.
5. VOLTAGE DROP MUST BE NO MORE THAN 1% AT LOCKED MOTOR CURRENT, AND NO MORE THAN 5% AT 100% OF FULL LOAD.

AVAILABLE FAULT CURRENT CALCULATION
(INFINITE FAULT CURRENT ON PRIMARY)

$$AFC = \frac{2000 \text{ kVA} \times 1000}{480V \times \sqrt{3} \times 5\%}$$

MAXIMUM 3Ø AFC = 48134 A



FIRE PUMP SERVICE ENTRANCE GROUNDING DETAIL NOTES:
1. AT THE CONTRACTOR'S OPTION, ANY ONE OF THE THREE

2. THE GROUNDING ELECTRODE CONDUCTOR (GEC) SHALL BE SIZED IN ACCORDANCE WITH NEC TABLE 250.66. REFER TO FEEDER SCHEDULE

2. STANDBY TRANSFER SWITCH, WHERE PROVIDED, SHALL MONITOR GENERATOR LOAD TO PERFORM LOAD SHED FUNCTION.
3. TRANSFER SWITCHES SHALL INTERFACE WITH ELEVATOR CONTROLLERS, WHERE PROVIDED. ATSs SHALL SEND "IMPENDING TRANSFER" SIGNAL AND "EMERGENCY MODE" SIGNAL TO ELEVATOR CONTROLLERS.
4. INSTALLATION SHALL BE IN ACCORDANCE WITH ARTICLES 700, 701, AND 702 OF THE NATIONAL ELECTRIC CODE

NAME	BRANCH	AMPS	POLES	WCR	PRIORITY	NOTES
ATSE	EMERGENCY	225 A	4	65k	1	LIFE SAFETY LOADS ONLY
ATSS	STANDBY	2000 A	4	65k	2	STANDBY LOADS ONLY. PROVIDE WITH SERVICE.

2. PROVIDE VIBRATION ISOLATION SUPPORT SYSTEM AS RECOMMENDED BY SOUND ATTENUATION CONSULTANT.
3. COORDINATE ALL CONDUIT PENETRATIONS THROUGH CONCRETE PAD WITH GENERATOR MANUFACTURER PRIOR TO ROUGHING.
4. PROVIDE SOUND ATTENUATION AND SOUND ENCLOSURE IN ACCORDANCE WITH AHJ REQUIREMENTS.

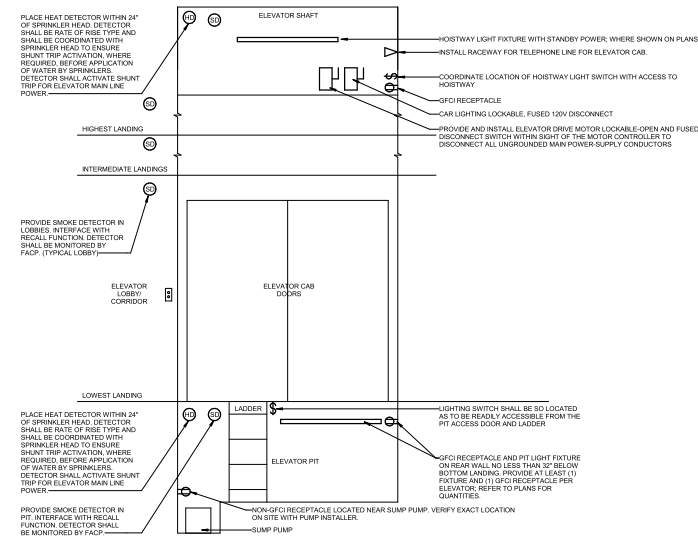
KVA/KW STARTING KVA	VOLTAGE, PHASE, WIRE, POWER FACTOR	ENCLOSURE	FUEL	CAPACITY	GEN. CLASSIFICATION	TANK CLASSIFICATION
1250KW/1562.5VA/ 5500 STARTING KVA	480Y/277V, 3PH, 4W, 0.8PF	WEATHERPROOF; SOUND ATTENUATING	DIESEL	8 HOURS	UL 2200; NFPA 110; LEVEL 1	UL 142

1. ALL TRANSFORMER RATINGS SHALL BE IN COMPLIANCE WITH IEEE C57.12.91
2. PROVIDE SECONDARY BUSBING & LUG SPACE TO ACCOMMODATE THE FEEDER CONDUCTOR SIZE AND NUMBER OF SETS AS INDICATED ON THE BUILDING CONSTRUCTION DESIGN DRAWINGS (PROVIDE A MINIMUM OF 12 SECONDARY CONDUCTOR LUG CONNECTIONS & VOLTAGE TAP OFFS ON THE BUILDING CONSTRUCTION DESIGN DRAWINGS)
3. PROVIDE A MINIMUM OF 12 SECONDARY CONDUCTOR LUG CONNECTIONS & VOLTAGE TAP OFFS ON THE BUILDING CONSTRUCTION DESIGN DRAWINGS IN EACH PADMOUNT TRANSFORMER, PROVIDE A B & B SWITCHING INCLUDING LOAD BREAK, GEAR OPERATED SWITCH THAT IS EXTERNALLY OPERABLE FROM THE HIGH-VOLTAGE COMPARTMENT THROUGH USE OF A HOT-STICK.
5. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY PRIMARY VOLTAGE AND UTILITY CONFIGURATION (WYE OR DELTA) PRIOR TO CONSTRUCTION OF THE TRANSFORMER. PROVIDE A TRANSFORMER WITH A 10% OVERVOLTAGE TAP.

XFMR NAME	SYMBOL DESCRIPTION	PRIMARY	SECONDARY	SIZE	IMPEDANCE (%Z)
T2	TRANSFORMER SERVING NEW HEALTHCARE FACILITY, PARKING GARAGE, AND MEDICAL EXAMINER BUILDING	14400V	480Y/277V	2000KVA	5.8%

NOTE NUMBER	NOTE
120B	IN EXISTING CONDUIT, PROVIDE 3/4" XING 18KV, CU, TAPE SHIELD, EPR JACKET, MV-105, 133% MV/CABLE, 120 AMPACITY, GEL ELECTRICAL CONDUCTIVITY, FIELD VERIFY WHAT HAS ALREADY BEEN INSTALLED IN EXISTING SWITCHGEAR. CONTRACTOR SHALL MATCH EXISTING MATERIAL (CU/AL), WIRE TYPE (MV/90KV-105), NEUTRAL (CONCENTRIC/TAPE SHIELD) AND INSULATION TYPE. COORDINATE IN-FIELD DISCOVERIES THAT DEViate FROM WHAT IS IN CONTRACT DOCUMENTS TO ENGINEER PRIOR TO ORDERING FEEDER.
315B	PROVIDE (2) 6" CONDUIT, ONE SPARE AND ONE CONDUIT WITH 3/4" XING 18KV, CU, TAPE SHIELD, EPR JACKET, MV-105, 133% MV/CABLE, 315 AMPACITY, 650 GPD.
375A	REVIEW SITE PLAN, 375A(1) AND 375A(2), SET 4" AIRIAL 220KV/175KV, 4TH AMPACITY.

ELEVATOR DETAIL - MACHINE ROOM LESS (MRL)

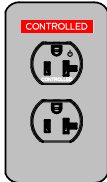


TYPICAL ELEVATOR NOTES

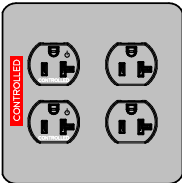
1. PROVIDE A LOCKABLE FUSED DISCONNECT FOR ELEVATOR MAIN LINE POWER. DISCONNECT SHALL HAVE AUXILIARY CONTACT TO SIGNAL ELEVATOR LORNING DEVICE.
2. NO CONDUITS, BOXES, PIPING, DEVICES OR EQUIPMENT SHALL BE PLACED IN THE ELEVATOR SHAFT, PIT, EQUIPMENT ROOM OR PENTHOUSE EXCEPT FOR ITEMS SPECIFICALLY SERVING THE ELEVATOR SHAFT, PIT, EQUIPMENT ROOM OR PENTHOUSE. ONLY SUCH ELECTRICAL WIRING, RACEWAYS AND CABLES USED DIRECTLY IN CONNECTION WITH THE ELEVATOR SHALL BE PERMITTED INSIDE THE HOISTWAY, MACHINE ROOM, CONTROL ROOMS, MACHINERY SPACES AND CONTROL SPACES.
3. COORDINATE LOCATIONS OF ALL EQUIPMENT WITH ELEVATOR VENDOR.
4. ELEVATOR DISCONNECTS AND FEEDER BREAKERS SHALL INCLUDE AUXILIARY CONTACTS TO INDICATE IF BREAKER IS OPEN OR CLOSED.

ELEVATOR DETAIL
N.T.S.

SPLIT CONTROLLED

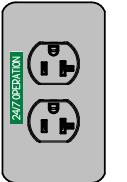


SYMBOL: BS OR GS

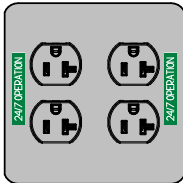


SYMBOL: BS OR GS

DESIGNATED



SYMBOL: NOT BS OR GS



SYMBOL: NOT BS OR GS

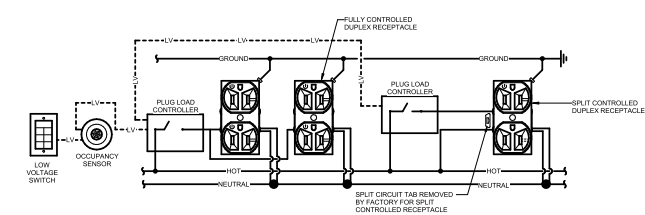
CONTROLLED/DESIGNATED RECEPTABLE NOTES

1. PROVIDE RECEPTABLE CONFIGURATION AS NOTED BY SYMBOL.
2. PROVIDE STAINLESS STEEL FACELATE. PROVIDE ENGRAVED LABEL WITH WHITE LETTERS ON RED BACKGROUND. LETTERING SHALL BE MINIMUM 12 POINT TYPE IN BASIC BLOCK FONT.
3. PROVIDE LEVITON 590-520 OR APPROVED EQUAL TO COMPLY WITH EICC 2021.
4. PROVIDE LOW VOLTAGE CONTROLS TO CONTROLLED RECEPTABLE FROM PLUG LOAD CONTROL DEVICE ABOVE CEILING. ACTIVATED TO TURN OFF BY OCCUPANCY SENSOR AFTER A PERIOD OF INACTIVITY TO COMPLY WITH EICC 2021.
5. SUBMIT SAMPLE TO ARCHITECT PRIOR TO APPROVAL.
6. AUTOMATIC RECEPTABLE CONTROL SHALL NOT INHIBIT THE FUNCTIONALITY OF A GROUND FAULT CIRCUIT INTERRUPTER (GFCI).

CONTROLLED/DESIGNATED RECEPTABLES - EICC 2021
N.T.S.

DESIGNATED RECEPTABLE NOTES:

1. THIS DETAIL SHALL BE APPLIED ONLY TO UNCONTROLLED RECEPTABLES IN SPACES WHERE AUTOMATIC RECEPTABLE CONTROL IS REQUIRED PER EICC 2021. REFER TO AUTOMATIC RECEPTABLE CONTROL GENERAL NOTES FOR ADDITIONAL INFORMATION.
2. LABELING SHALL BE PROVIDED TO HELP DISTINGUISH THIS RECEPTABLE FROM OTHER SPLIT CONTROLLED RECEPTABLES IN THAT SPACE.
3. PROVIDE STAINLESS STEEL FACELATE. PROVIDE ENGRAVED LABEL WITH WHITE LETTERS ON GREEN BACKGROUND. LETTERING SHALL BE MINIMUM 12 POINT TYPE IN BASIC BLOCK FONT.
4. THIS RECEPTABLE SHALL NOT BE AUTOMATICALLY CONTROLLED DUE TO EXEMPTIONS LISTED IN EICC 2021.11.
5. SUBMIT SAMPLE TO ARCHITECT PRIOR TO APPROVAL.



PLUG LOAD CONTROL WIRING DETAIL
N.T.S.

EQ NAME	EQ DESC	FEEDER	VOLT	POLES	LOAD VA	CKT
PC-1	FIRE PROTECTION DRY SYSTEM AIR COMPRESSOR (200/3) (3 HP)	3P12, 1P120, 3P4C	208 V	3	200 VA	120C-27.2
CH-1	AIR HANDLING UNIT (400/3) (400 HP)	3P12, 1P120, 3P4C	480 V	3	200 VA	120C-27.2
CH-2	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-3	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-4	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-5	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-6	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-7	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-8	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-9	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-10	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-11	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-12	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-13	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-14	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-15	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-16	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-17	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-18	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-19	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-20	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-21	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-22	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-23	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-24	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-25	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-26	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-27	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-28	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-29	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-30	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-31	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-32	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-33	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-34	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-35	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-36	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-37	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-38	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-39	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-40	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-41	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-42	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-43	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-44	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-45	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-46	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-47	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-48	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-49	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-50	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-51	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-52	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-53	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-54	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-55	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-56	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-57	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-58	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-59	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-60	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-61	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-62	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-63	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-64	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-65	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-66	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-67	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-68	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-69	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-70	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-71	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-72	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-73	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-74	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-75	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-76	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-77	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-78	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-79	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-80	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-81	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-82	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-83	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-84	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-85	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-86	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-87	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-88	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-89	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-90	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-91	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-92	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-93	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-94	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-95	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-96	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-97	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-98	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-99	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25
CH-100	CHILLED WATER PUMP (400/3P) (10 HP)	3P12, 1P120, 3P4C	480 V	3	17451 VA	120C-21.25

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REGISTRATION

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1 LEVEL 1 - ELECTRICAL PLAN
 1/8" = 1'-0"



HEALTHCARE FACILITY ELECTRICAL NOTES:

- ALL PATIENT CARE SPACES IN THIS HEALTHCARE FACILITY ARE CATEGORY 3 (BASIC CARE) AND ARE NOTED IN LIGHT BLUE ON THIS SHEET.
- ALL ELECTRICAL PROVISIONS ARE SUBJECT TO APPROVAL BY THE GOVERNING BODY. THE PERSON OR PERSONS WHO HAVE THE OVERALL LEGAL RESPONSIBILITY FOR THE OPERATION OF THE HEALTH CARE FACILITY (COLLIN COUNTY) PER NEC 517. COORDINATE INSTALLATION WITH THE GOVERNING BODY (COLLIN COUNTY).
- ELECTRICAL PROVISIONS IN PATIENT CARE SPACES SHALL BE IN COMPLIANCE WITH PART 4 OF NEC 517. THIS INCLUDES:
 - APPLICABILITY (NEC 517.1)
 - GENERAL INSTALLATION - CONSTRUCTION CRITERIA (NEC 517.11)
 - WIRING METHODS (NEC 517.12)
 - EFFECTIVE GROUND-FAULT CURRENT PATH BY INSTALLATION IN A METAL RACEWAY SYSTEM WHICH QUALIFIES AS AN EQUIPMENT GROUNDING CONDUCTOR IN ACCORDANCE WITH NEC 250.118 (NEC 517.13A)
 - GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR PER NEC 517.13(B) FOR THE GROUNDING TERMINALS OF ALL RECEPTACLES, METAL OUTLET BOXES, METAL DEVICE BOXES, OR METAL ENCLOSURES, AND ALL NON-CURRENT CARRYING CONDUCTIVE SURFACES OF FIXED ELECTRICAL EQUIPMENT UNLESS TO BECOME ENERGIZED THAT ARE SUBJECT TO PERSONAL CONTACT, OPERATING OVER 100 VOLTS. SEE PER NEC 250.122
 - PROVIDE PINK, GREEN, CONTINUOUS GROUNDING CONDUCTOR BETWEEN EQUIPMENT GROUNDING TERMINAL BUSES OF ALL PANELBOARDS SERVED FROM SUPPLEMENTARY TRANSFER SWITCHES WHICH ALSO SERVE THE SAME PATIENT CARE SPACES. (IE LIFE SAFETY LIGHTING PANELBOARD AND NORMAL RECEPTACLE PANELBOARD).
- A TYPE 2 ESSENTIAL ELECTRICAL SYSTEM SHALL BE PROVIDED FOR THIS FACILITY IN COMPLIANCE WITH NEC 517.42(D). THE LIFE SAFETY BRANCH SHALL CONSIST OF EMERGENCY EGRESS LIGHTING. THE EQUIPMENT BRANCH SHALL BE CONSIDERED THE TUBERCULOSIS EXHAUST SYSTEM (EXHAUST AND SUPPLY PLUMBING) AS NEEDED. BOTH OF THESE LOADS ARE EMERGENCY LIFE SAFETY LOADS AND SHALL BE PLACED ON KTYE (NEC 700). INSTALLATION OF THESE CIRCUITS SHALL COMPLY WITH NEC 517. TERMINAL UNITS ASSOCIATED WITH THE TUBERCULOSIS AREA SHALL BE SET TO FAIL IN THE PROPER CONDITION TO MAINTAIN PRESSURE NEGATIVE PRESSURE IN THE SPACE. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR.

POWER FLOOR PLAN POWER NOTES

- REFER TO SHEET SD-01.10 FOR ELECTRICAL GENERAL NOTES AND LEGEND.
- COORDINATE ALL ELECTRICAL REQUIREMENTS OF EQUIPMENT REQUIRING POWER WITH EQUIPMENT MANUFACTURER. NOTIFY OWNER AND ELECTRICAL ENGINEER IF POWER REQUIREMENTS DEVIATE FROM WHAT IS SHOWN IN CONTRACT DOCUMENTS.
- CONTRACTOR TO COORDINATE MATERIAL COLOR AND FINISH OF ALL EXPOSED ELECTRICAL ITEMS WITH ARCHITECT.
- CONTRACTOR TO COORDINATE EXACT LOCATION OF FLOOR BOXES WITH ARCHITECT PRIOR TO ROUGH-IN. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL FLOOR BOX ROUGH-IN REQUIREMENTS.
- CONTRACTOR TO COORDINATE THE EXACT MOUNTING HEIGHT AND ORIENTATION (VERTICAL/HORIZONTAL) FOR ALL ABOVE COUNTER RECEPTACLES, WITH ARCHITECT PRIOR TO ROUGH-IN.
- CONTRACTOR TO COORDINATE RECEPTACLE LOCATION AND POWER CONDUIT ROUTING WITH TECHNOLOGY DRAWINGS. CONTRACTOR TO COORDINATE ALL ROUGH-IN REQUIREMENTS BETWEEN TRACES PRIOR TO ROUGH-IN. POWER AND DATA RECEPTACLES SHALL BE LOCATED WITHIN SAME STUDY OR ADJACENT STUDY BAYS WHERE POSSIBLE. SUMMIT PER ASKING FOR CLARIFICATION F THERE IS A DATA DROP WITHOUT AN ADJACENT RECEPTACLE.
- PROVIDE TAMPER RESISTANT RECEPTACLES PER NEC 408.12.

ALL SPACES MARKED IN LIGHT BLUE ARE PATIENT CARE SPACES SUBJECT TO NEC 517 REQUIREMENTS FOR BASIC CARE CATEGORY 3 SPACES. REFER TO HEALTHCARE FACILITY ELECTRICAL NOTES ON THIS SHEET. (TYPICAL FOR ALL LIGHT BLUE AREAS)

ALL RECEPTACLES AT NORMAL (4'10" AFF) HEIGHT WITHIN THIS REGION SHALL BE INVISIBLE, TAMPER-RESISTANT RECEPTACLES (TRIRIO, OR APPROVED EQUAL). COORDINATE EXACT SPECIFICATION WITH ARCHITECT PRIOR TO RELEASE OF WIRING DEVICE SUBMITTAL.

CLIENT



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REGISTRATION

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DRAWING HISTORY

NO.	DATE	DESCRIPTION
1	1/17/2024	ISSUED FOR PERMIT
2	1/17/2024	ISSUED FOR PERMIT
3	1/17/2024	ISSUED FOR PERMIT
4	1/17/2024	ISSUED FOR PERMIT
5	1/17/2024	ISSUED FOR PERMIT

KEY PLAN

PROJECT NAME
 COLLIN COUNTY
 HEALTHCARE,
 PARKING
 GARAGE, &
 MEDICAL EXAM.
 FACILITIES
 PROJECT LOCATION
 2330 Bloomdale Rd.
 McKinney, TX 75071

PROJECT NUMBER

1006549.00

SHEET TITLE

FLOOR PLAN -
LEVEL 1 - POWER

VOLUME 2
 HEALTHCARE FAC.
 SHEET NUMBER

HC-E2.01

Branch Panel: 1SLC1												
Mounting: SURFACE			Voltage: 480/277 Wye					A.I.C. Rating: 22,000 AIC				
Supply From: 1DPC			Phase: 3					Main Type: MLO				
Enclosure: NEMA 1			Wires: 4					Main Rating: 100 A				
CK	T	Circuit Description	BKR (A)	Loa (P)	A(VA)	B(VA)	C(VA)	Loa (P)	BKR (A)	P	Circuit Description	CK
1		EXTERIOR LTG	20	1	2	543	--	--	1	--	SPACE	2
3		EXTERIOR LTG	20	1	4	--	1090	--	--	1	SPACE	4
5		SPARE	20	1	--	--	--	0	--	1	SPACE	6
7		SPARE	20	1	--	0	--	--	1	--	SPACE	8
9		SPARE	20	1	--	--	0	--	--	1	SPACE	10
11		SPARE	20	1	--	--	0	--	--	1	SPACE	12
13		SPARE	20	1	--	0	--	--	1	--	SPACE	14
15		SPARE	20	1	--	--	0	--	--	1	SPACE	16
16		SPARE	20	1	--	--	0	--	--	1	SPACE	17
17		SPARE	20	1	--	--	0	--	--	1	SPACE	18
19		SPARE	20	1	--	0	--	--	1	--	SPACE	20
21		SPARE	20	1	--	--	0	--	--	1	SPACE	22
23		SPARE	20	1	--	--	0	--	--	1	SPACE	24
25		SPARE	20	1	--	--	0	--	--	1	SPACE	26
27		SPARE	20	1	--	0	--	--	1	--	SPACE	28
29		SPARE	20	1	--	--	0	--	--	1	SPACE	30
Total Load			1 kVA		1 kVA		0 kVA		0 kVA			
Total Amps			2 A		4 A		0 A		0 A			
Load Classification			Connected Load		Demand Factor		Estimated Demand		Panel Totals			
L200%			1833 VA		125.00%		2042 VA		Total Conn. Load		2 kVA	
									Total Conn. Amps		1 A	
									Total Demand Load		2 kVA	
									Total Demand Amps		1 A	
Schedule Notes:												

Branch Panel: 1HC1													
Mounting: SURFACE													
Supply From: 1DPC													
Enclosure: NEMA 1													
Voltage: 480/277 Vly													
Phases: 3													
Wires: 4													
A.I.C. Rating: 22,000 AIC													
Main Type: MLO													
Main Rating: 100 A													
CK	T	Circuit Description	BKR [A]	Loa [P]	A(VA)	B(VA)	C(VA)	Loa [P]	BKR [A]	P	Circuit Description	CK	
1		SOUTH LOBBY WAITING LTG	20	1	14	3839	1598	--	6	1	20 MIMBOH LTG	2	
3		CORRIDOR/STAFF LOBBY	20	1	9	--	2402	1825	7	1	20 OFFICE/REC LTG	4	
4		THREST/STAFF LOBBY	20	1	10	--	--	--	2844	9963	35	20 RUSTORAGE LTG	6
9		SPARE	20	1	--	0	--	--	1	--	SPACE	10	
9		SPARE	20	1	--	--	0	--	--	1	SPACE	11	
12		SPARE	20	1	--	--	0	--	--	1	SPACE	12	
13		SPARE	20	1	--	0	--	--	1	--	SPACE	14	
15		SPARE	20	1	--	--	0	--	--	1	SPACE	15	
16		SPARE	20	1	--	--	0	--	--	1	SPACE	16	
17		SPARE	20	1	--	0	--	--	1	--	SPACE	17	
18		SPARE	20	1	--	0	--	--	1	--	SPACE	18	
20		SPARE	20	1	--	--	0	--	--	1	SPACE	19	
21		SPARE	20	1	--	--	0	--	--	1	SPACE	20	
22		SPARE	20	1	--	--	0	--	--	1	SPACE	21	
23		SPARE	20	1	--	0	--	--	1	--	SPACE	22	
25		SPARE	20	1	--	0	--	--	1	--	SPACE	23	
26		SPARE	20	1	--	--	0	--	--	1	SPACE	24	
27		SPARE	20	1	--	--	0	--	--	1	SPACE	25	
29		SPARE	20	1	--	--	0	--	--	1	SPACE	26	
30		SPARE	20	1	--	0	--	--	1	--	SPACE	27	
33		SPARE	20	1	--	--	0	--	--	1	SPACE	28	
35		SPARE	20	1	--	--	0	--	--	1	SPACE	29	
37		SPARE	20	1	--	0	--	--	1	--	SPACE	30	
40		SPARE	20	1	--	--	0	--	--	1	SPACE	31	
41		SPARE	20	1	--	--	0	--	--	1	SPACE	32	
Total Load:			5 kVA		4 kVA		12 kVA						
Total Amps:			20 A		15 A		45 A						
Panel Totals													
Load Classification													
Connected Load													
Demand Factor													
Estimated Demand													
Total Conn. Load													
Total Demand Amps													
Total Demand Load													
Total Demand Amps													
Schedule Notes:													

DISTR PANEL: 1DPC																	
Mounting: PAD MOUNTED						Voltage: 480/277 Vly			A.I.C. Rating: 42,000 AIC								
Supply From: MIB						Phases: 3			Main Type: MCB								
Enclosure: Type 1						Wires: 4			Main Rating: 1200 A								
CKT	Circuit Description	POLES	TRIP		Apparent Current		Load		POLES	TRIP		Apparent Current		Load			
			(Amps)	(kVA)	(Amps)	(kVA)	(Amps)	(kVA)		(Amps)	(kVA)	(Amps)	(kVA)				
1	1BCT1	3	450	27.1	20071 VA	175	9.5	17516 VA	3	450	27.1	20071 VA	175	9.5	17516 VA		
2	1BCT1	3	100	5.7	4400 VA	25	1.3	1000 VA	3	100	5.7	4400 VA	25	1.3	1000 VA		
3	1TCT1	3	200	18.5	13368 VA	50	2.6	2000 VA	3	200	18.5	13368 VA	50	2.6	2000 VA		
4	1BCT1	3	100	5.7	4400 VA	25	1.3	1000 VA	3	100	5.7	4400 VA	25	1.3	1000 VA		
5	2BCT1	3	300	16.5	12918 VA	75	3.9	3000 VA	3	300	16.5	12918 VA	75	3.9	3000 VA		
6	2TCT1	3	300	16.5	12918 VA	75	3.9	3000 VA	3	300	16.5	12918 VA	75	3.9	3000 VA		
7	3TCT1	3	300	16.5	12918 VA	75	3.9	3000 VA	3	300	16.5	12918 VA	75	3.9	3000 VA		
8	ELEVATOR S1	3	175	7.8	63185 VA	44	2.3	17000 VA	3	175	7.8	63185 VA	44	2.3	17000 VA		
9	ELEVATOR S2	3	175	7.8	63185 VA	44	2.3	17000 VA	3	175	7.8	63185 VA	44	2.3	17000 VA		
10	ELEVATOR S3	3	200	9.7	80642 VA	50	2.6	2000 VA	3	200	9.7	80642 VA	50	2.6	2000 VA		
11	SPF	3	100	--	0 VA	25	--	0 VA	3	100	--	0 VA	25	--	0 VA		
12	PREPARED SPACE	3	400	--	0 VA	100	--	0 VA	3	400	--	0 VA	100	--	0 VA		
13	PREPARED SPACE	3	400	--	0 VA	100	--	0 VA	3	400	--	0 VA	100	--	0 VA		
14	PREPARED SPACE	3	400	--	0 VA	100	--	0 VA	3	400	--	0 VA	100	--	0 VA		
15	PREPARED SPACE	3	400	--	0 VA	100	--	0 VA	3	400	--	0 VA	100	--	0 VA		
16	PREPARED SPACE	3	225	--	0 VA	56	--	0 VA	3	225	--	0 VA	56	--	0 VA		
Total Load												700 kVA		841 A			
Panel Totals														700 kVA		841 A	
Load Classification																	
Connected Load		Demand Factor		Estimated Demand		Panel Totals		Panel Totals		Panel Totals		Panel Totals		Panel Totals			
Cooling	48154 VA		40.00%	19262 VA		48154 VA		48154 VA		48154 VA		48154 VA		48154 VA			
Elevator	20708 VA		90.00%	18637 VA		20708 VA		20708 VA		20708 VA		20708 VA		20708 VA			
Heating	2334 VA		100.00%	2334 VA		2334 VA		2334 VA		2334 VA		2334 VA		2334 VA			
Lifting	4108 VA		125.00%	5133 VA		4108 VA		4108 VA		4108 VA		4108 VA		4108 VA			
Motor	14618 VA		100.00%	14618 VA		14618 VA		14618 VA		14618 VA		14618 VA		14618 VA			
Refrigerator	3907 VA		100.00%	3907 VA		3907 VA		3907 VA		3907 VA		3907 VA		3907 VA			
Noncoincident	22528 VA		52.22%	11764 VA		22528 VA		22528 VA		22528 VA		22528 VA		22528 VA			
Notes																	
REFER TO SHEET SD-ES-01 FOR LOAD SUMMARY INFORMATION.																	
COORDINATE EXACT ELEVATOR REQUIREMENTS WITH ELEVATOR MANUFACTURER PRIOR TO RELEASE OF EQUIPMENT INTO PRODUCTION.																	



EQUIPMENT SCHEDULE (EQP-2)						
EQ NAME	EQ DESC	FEEDER	VOLTS	POLES	LOAD VA	CRIT
AC-1	FIRE PROTECTION SYSTEM AIR COMPRESSOR (200V/3PH)	380V, 1500W, 3/4HP	208 V	3	3660 VA	MTB-20.22.24
AME1	PIR HANDLING UNIT (460V/480V, 3HP)	380V, 3/4HP, 3/4HP	480 V	3	3680 VA	MM1-46.48.51
AME2	PIR HANDLING UNIT (200V/208V, 3HP)	380V, 3/4HP, 3/4HP	277 V	3	180 VA	MM1-43
AME3	PIR HANDLING UNIT (120V/120V, 3HP)	380V, 3/4HP, 3/4HP	120 V	3	180 VA	MM1-43
AME4	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME5	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME6	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME7	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME8	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME9	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME10	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME11	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME12	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME13	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME14	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME15	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME16	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME17	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME18	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME19	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME20	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME21	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME22	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME23	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME24	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME25	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME26	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME27	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME28	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME29	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME30	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME31	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME32	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME33	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME34	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME35	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME36	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME37	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME38	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME39	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME40	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME41	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME42	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME43	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME44	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME45	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME46	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME47	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME48	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME49	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME50	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME51	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME52	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME53	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME54	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME55	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME56	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME57	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME58	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME59	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME60	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME61	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME62	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME63	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME64	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME65	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME66	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME67	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME68	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME69	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME70	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME71	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME72	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME73	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME74	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME75	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME76	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME77	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME78	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME79	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME80	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME81	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME82	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME83	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME84	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME85	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME86	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME87	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME88	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME89	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME90	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME91	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME92	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME93	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME94	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME95	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME96	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME97	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME98	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME99	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME100	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME101	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME102	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME103	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME104	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME105	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME106	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME107	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME108	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME109	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME110	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME111	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME112	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME113	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME114	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME115	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME116	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME117	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME118	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME119	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME120	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME121	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME122	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME123	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME124	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME125	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760 VA	MM1-47.50
AME126	GAS FRED BLOWER (120V/120V, 18FLA)	380V, 3/4HP, 3/4HP	120 V	3	1760	

REFER TO SHEET SD-E2.00 FOR
LIGHTING SCHEDULES, DETAILS, AND
CONTROL NARRATIVE.

REFER TO TECHNOLOGY, SECURITY, AND
MEDICAL EXAMINER'S EQUIPMENT
DRAWINGS FOR ADDITIONAL INFORMATION

POWER FLOOR PLAN POWER NOTES

1. REFER TO SHEET SD-09 FOR ELECTRICAL GENERAL NOTES AND LEGEND
2. COORDINATE ALL ELECTRICAL REQUIREMENTS OF EQUIPMENT REQUIRING POWER WITH EQUIPMENT MANUFACTURER. NOTIFY OWNER AND ARCHITECT IF EQUIPMENT REQUIREMENTS DEVIATE FROM WHAT IS SHOWN IN CONTRACT DOCUMENTS.
3. CONTRACTOR TO COORDINATE MATERIAL, COLOR AND FINISH OF ALL EXPOSED ELECTRICAL ITEMS WITH ARCHITECT.
4. CONTRACTOR TO COORDINATE EXACT LOCATION OF FLOOR BOXES WITH ARCHITECT PRIOR TO ROUGH. PROVIDE DETAIL DRAWINGS FOR EACH ADDITIONAL FLOOR BOX ROUGH IN REQUIREMENTS.
5. CONTRACTOR TO COORDINATE THE EXACT MOUNTING HEIGHT AND ORIENTATION (VERTICAL/HORIZONTAL) FOR ALL ABOVE-COUNTER RECEPTACLES WITH ARCHITECT.
6. CONTRACTOR TO COORDINATE RECEPTACLE LOCATION AND POWER CONDUIT ROUTING WITH TECHNOLOGY DRAWINGS. CONTRACTOR TO PROVIDE ROUGH-UP FOR ALL RECEPTACLES. PROVIDE DETAIL DRAWING TO ROUGH-IN POWER AND DATA RECEPTACLES SHALL BE LOCATED WITHIN 18" OF ADJACENT WALL OR PARTITION. PROVIDE DETAIL DRAWING FOR CLARIFICATION IF THERE IS A DATA DROP WITHOUT AN

GARAGE DOOR GENERAL NOTES:

- SEQUENCE OF OPERATION NOTES:**
- A. THE FOLLOWING MEANS SHALL BE CAPABLE OF SPINNING THE DOOR:**
- a. LOCAL MANUAL CONTROL (MANUFACTURER UNFINISHED; CONTRACTOR INSTALLED)
 - b. LASER EYE SHALL OPEN THE DOOR IF IT IS CLOSING AND LASER IS BROKEN
 - c. REMOTE MASTE GARAGE DOOR ASSEMBLY (CONTRACTOR PROVIDED)
- B. THE FOLLOWING MEANS SHALL BE CAPABLE OF CLOSING THE DOOR:**
- a. LOCAL MANUAL CONTROL (MANUFACTURER UNFINISHED; CONTRACTOR INSTALLED)
 - b. LASER EYE SHALL OPEN THE DOOR IF IT IS CLOSING AND LASER IS BROKEN
 - c. REMOTE MASTE GARAGE DOOR ASSEMBLY (CONTRACTOR PROVIDED)
- MARK EYE OVERHEAD DOOR DRIVE THRU CHSD (C)**
- A. THE FOLLOWING MEANS SHALL BE CAPABLE OF SPINNING THE DOOR:**
- a. LOCAL MANUAL CONTROL (MANUFACTURER UNFINISHED; CONTRACTOR INSTALLED)
 - b. LASER EYE SHALL OPEN THE DOOR IF IT IS CLOSING AND LASER IS BROKEN
 - c. REMOTE MASTE GARAGE DOOR ASSEMBLY (CONTRACTOR PROVIDED)
- B. THE FOLLOWING MEANS SHALL BE CAPABLE OF CLOSING THE DOOR:**
- a. LOCAL MANUAL CONTROL (MANUFACTURER UNFINISHED; CONTRACTOR INSTALLED)
 - b. LASER EYE SHALL OPEN THE DOOR IF IT IS CLOSING AND LASER IS BROKEN
 - c. REMOTE MASTE GARAGE DOOR ASSEMBLY (CONTRACTOR PROVIDED)
- GROUND LOOP (PRESSURE SENSOR):** REFER TO ARCHITECTURAL DRAWINGS FOR FORMATION.
- A. THE FOLLOWING MEANS SHALL BE CAPABLE OF SPINNING THE DOOR:**
- a. LOCAL MANUAL CONTROL (MANUFACTURER UNFINISHED; CONTRACTOR INSTALLED)
 - b. LASER EYE SHALL OPEN THE DOOR IF IT IS CLOSING AND LASER IS BROKEN
 - c. REMOTE MASTE GARAGE DOOR ASSEMBLY (CONTRACTOR PROVIDED)
- MARK EYE OVERHEAD DOOR DRIVE THRU CHSD (C)**
- A. THE FOLLOWING MEANS SHALL BE CAPABLE OF SPINNING THE DOOR:**
- a. LOCAL MANUAL CONTROL (MANUFACTURER UNFINISHED; CONTRACTOR INSTALLED)
 - b. LASER EYE SHALL OPEN THE DOOR IF IT IS CLOSING AND LASER IS BROKEN
 - c. REMOTE MASTE GARAGE DOOR ASSEMBLY (CONTRACTOR PROVIDED)
- B. THE FOLLOWING MEANS SHALL BE CAPABLE OF CLOSING THE DOOR:**
- a. LOCAL MANUAL CONTROL (MANUFACTURER UNFINISHED; CONTRACTOR INSTALLED)
 - b. LASER EYE SHALL OPEN THE DOOR IF IT IS CLOSING AND LASER IS BROKEN
 - c. REMOTE MASTE GARAGE DOOR ASSEMBLY (CONTRACTOR PROVIDED)

GENERAL NOTES:

1. REFER TO ARCHITECTURAL PACKAGE, SECURITY PACKAGE, AND TECHNOLOGY PACKAGE FOR ADDITIONAL INFORMATION.
2. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH OVERHEAD DOOR PROVIDER.
3. OVERHEAD DOOR CONTROLLERS PROVIDED SHALL HAVE THE ABILITY TO BE WIRELESSLY CONTROLLED. COORDINATE ALL WIRELESS CONTROL NEEDS WITH THE OWNER PRIOR TO RELEASING EQUIPMENT INTO PRODUCTION.
4. COORDINATE RACEWAY INSTALLATION WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION GUIDELINES FOR COMPLETE AND FUNCTIONAL SYSTEM.
5. COORDINATE ALL GROUND-LOUT (PRESSURE SENSORY) REQUIREMENTS WITH SENSOR INSTALLER.
6. POUR ROUGH-IN REINFORCEMENT PRIOR TO POURING OF THE CONCRETE SLAB.
7. COORDINATE ALL CONTROL REQUIREMENTS WITH THE OWNER PRIOR TO BID. COORDINATE ALL CONTROL REQUIREMENTS WITH MANUFACTURER PRIOR TO INSTALLATION.

Branch Panel: SLM1											
Mounting: SURFACE				Volts: 480/277 Vys				A.I.C. Rating: 22,000 AIC			
Supply From: DPM				Phases: 3				Main Type: MLO			
Enclosure: Type 1				Wires: 4				Main Rating: 100 A			
CK	T	Circuit Description	BKR (A)	Loa d (A)	A(VA)	B(VA)	C(VA)	Loa d (A)	BKR (A)	Circuit Description	CK
1	1	EXTERIOR LIGHTING	20	1	372	--	--	--	1	SPACE	2
3	1	EXTERIOR LIGHTING	20	1	0	--	69	--	1	SPACE	4
5	1	SPARE	20	1	--	--	0	--	1	SPACE	6
7	1	SPARE	20	1	--	0	--	--	1	SPACE	8
9	1	SPARE	20	1	--	--	0	--	1	SPACE	10
11	1	SPARE	20	1	--	--	0	--	1	SPACE	12
13	1	SPARE	20	1	0	--	--	--	1	SPACE	14
15	1	SPARE	20	1	--	--	0	--	1	SPACE	16
17	1	SPARE	20	1	--	--	0	--	1	SPACE	18
19	1	SPARE	20	1	--	0	--	--	1	SPACE	20
21	1	SPARE	20	1	--	--	0	--	1	SPACE	22
23	1	SPARE	20	1	--	--	0	--	1	SPACE	24
25	1	SPARE	20	1	--	0	--	--	1	SPACE	26
27	1	SPARE	20	1	--	--	0	--	1	SPACE	28
29	1	SPARE	20	1	--	--	0	--	1	SPACE	30
31	1	SPARE	20	1	--	0	--	--	1	SPACE	32
33	1	SPARE	20	1	--	--	0	--	1	SPACE	34
35	1	SPARE	20	1	--	--	0	--	1	SPACE	36
37	1	SPARE	20	1	--	0	--	--	1	SPACE	38
39	1	SPARE	20	1	--	--	0	--	1	SPACE	40
41	1	SPARE	20	1	--	--	--	0	1	SPACE	42
Total Load:			0 kVA		0 kVA		0 kVA				
Total Amps:			1 A		0 A		1 A				
Load Classification			Connected Load		Demand Factor		Estimated Demand		Panel Totals		
Lighting			441 VA		125.00%		551 VA		Total Conn. Load: 0 kVA		
									Total Conn. Amps: 1 A		
									Total Demand Load: 1 kVA		
									Total Demand Amps: 1 A		
Schedule Notes:											

PATRIOT PIPELINE

Phone: 817-771-5538



Change Order Request

Job Number: 0021
Change Order Number: 0006
Date: 02.25.25
Cost Code: Storm

To:	Project:
The Christman Company	Collin County Healthcare Campus
	4300 Community Ave
ATTN: Jim Terhune	McKinney, TX 75015

Description	Quantity	Unit	Unit Price	Extended Price
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CHANGE ORDER DESCRIPTION

This change order reflects changes made to the storm drain in ASI #3. The changes include the addition of 2 storm drain lines.

12" RCP	62 LF	70.86	4,393
6" HDPE	150 LF	34.67	5,201
6" HDPE 45° Elbow	2 EA	61.48	123

THIS PRICE IS BASED ON ONE (1) MOVE-IN

SUB-TOTAL:	\$9,717
Administrative Cost (10%)	\$972
GRAND TOTAL:	\$10,688

Authorized Signature

Date

Pursuant to the request of the Subcontractor and upon acceptance by the Contractor and authorization of the Owner, the Subcontractor is hereby directed to execute the work items as contained in this Change Order in accordance with the terms and conditions.

PCO #: 6

Scope of Work Description:

ASI #3 Drawing Revisions

Page ____ of ____

POTTER
STRUCTURES, LTD.

PCO #: 6

Scope of Work Description:

ASI #3 Drawing Revisions

Page ____ of ____

POTTER
STRUCTURES, LTD.

PCO #: 6

ASI #3 Drawing Revisions

Page ____ of ____