



3171 SE Inner Loop
Georgetown, TX
78626

T: (512) 663-7461
F: (512) 681-9752

February 13, 2018

Dwayne Gossett
Williamson County, Texas
3101 SE Inner Loop
Georgetown, TX 78620

Re: North Campus Facilities
Job No: 233901

Subj: Change Proposal No. 233901-0043

Dear Sir or Madam:

We respectfully submit our proposal for an increase to our contract in the amount of \$0 (zero) dollars to provide Addition of Cooling to Stair No. 2 per ASI-035 for the above referenced project.

Please indicate your acceptance of this change proposal by signing and returning one copy of the attached Form B breakdown of our cost.

Very truly yours,
VAUGHN CONSTRUCTION

A handwritten signature in blue ink, appearing to read "Doug Boram", written over a circular stamp or seal.

Doug Boram

Attachments: Form B, Subcontractor Pricing Back-up

CC: Brody Harris - BLGY
Mark Brown - BLGY

FORM B**PROJECT: North Campus Facilities****CHANGE PROPOSAL NO: 233901-0043****QUOTATION :**

Item	Labor	Materials	Subs	Total
Provide and install flashing boots at three (3) electrical penetrations and pads under supports.	\$0.00	\$0.00	\$1,350.00	\$1,350.00
Install power to mini-split at Stair No. 2	\$0.00	\$0.00	\$5,898.00	\$5,898.00
Provide and install mini-split, piping, controls and insulation at Stair No. 2	\$0.00	\$0.00	\$14,290.00	\$14,290.00
Unknown waterproofing repairs	\$0.00	\$0.00	\$2,500.00	\$2,500.00
To Be Funded by Owners Contingency	\$0.00	\$(24,129.00)	\$0.00	\$(24,129.00)
Vaughn Subcontract Default Insurance	\$0.00	\$0.00	\$91.00	\$91.00

Totals	\$0.00	\$(24,129.00)	\$24,129.00	\$0.00
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Insurance, Tax, Benefits on Labor	\$0.00
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Overhead	\$0.00
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Fee on Subs	\$0.00
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Fee on JTV	\$0.00
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Bond	\$0.00
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Remodel Tax	\$0.00
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TOTAL	\$0.00
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TIME EXTENSION TO CONTRACT: 0 Days**Submitted Date: 2/13/2018****Accepted****VAUGHN CONSTRUCTION**By: By: 
Doug Boram

Date _____

Proposal Valid for Days

Williamson County
Williamson County North Campus Facilities
Vaughn Project No. 2339-01



Funds Tracking Log

Change Proposal No.	Change Type & No.	Time Extension (Days)		GMP Breakdown						GMP #2339.01	Total Updated Contract Amount
		Pending	Approved	Cost of Work	CM Contingency	Owner Contingency	General Conditions	Buyout Savings	Construction Phase Fee		
N/A	GMP	-	-	\$18,195,395	\$406,771	\$406,772	\$1,896,522		\$625,467	\$21,530,927	\$21,530,927
1	OCO	0	0	\$3,659	\$0	(\$3,659)	\$0		\$0	\$0	\$21,530,927
2	OCO	10	10	\$114,186	\$0	(\$114,186)	\$0		\$0	\$0	\$21,530,927
3	OCO	0	0	\$1,727	\$0	(\$1,748)	\$21		\$0	\$21	\$21,530,948
4	OCO	0	0	\$19,494	\$0	(\$19,494)	\$0		\$0	\$0	\$21,530,948
5	OCO	0	0	\$19,676	(\$19,676)	\$0	\$0		\$0	\$0	\$21,530,948
6	OCO	0	0	\$14,465	(\$14,465)	\$0	\$0		\$0	\$0	\$21,530,948
7	OCO	0	0	\$2,237	\$0	(\$2,237)	\$0		\$0	\$0	\$21,530,948
8	OCO	0	0	\$3,450	\$0	(\$3,450)	\$0		\$0	\$0	\$21,530,948
9	OCO	0	0	\$832	\$0	(\$832)	\$0		\$0	\$0	\$21,530,948
10	OCO	0	0	\$285	\$0	(\$285)	\$0		\$0	\$0	\$21,530,948
11	OCO	0	0	\$22,415	\$0	(\$22,415)	\$0		\$0	\$0	\$21,530,948
12	OCO	0	0	\$11,221	\$0	(\$11,221)	\$0		\$0	\$0	\$21,530,948
13	OCO	0	0	(\$5,000)	\$0	\$5,000	\$0		\$0	\$0	\$21,530,948
14	OCO	0	0	\$0	\$0	\$0	\$0		\$0	\$0	\$21,530,948
15	OCO	0	0	\$79,584	\$0	(\$79,584)	\$0		\$0	\$0	\$21,530,948
16	OCO	0	0	\$9,930	\$0	(\$9,930)	\$0		\$0	\$0	\$21,530,948
17	OCO	0	0	\$2,450	(\$2,450)	\$0	\$0		\$0	\$0	\$21,530,948
18	OCO	0	0	\$1,747	(\$1,747)	\$0	\$0		\$0	\$0	\$21,530,948
19	OCO	0	0	(\$1,763)	\$0	\$0	\$1,763		\$0	\$0	\$21,530,948
20	OCO	0	0	\$5,784	\$0	(\$5,856)	\$72		\$0	\$72	\$21,531,020
21	OCO	0	0	\$10,364	(\$10,364)	\$0	\$0		\$0	\$0	\$21,531,020
22	OCO	0	0	\$6,410	(\$6,461)	\$0	\$51		\$0	\$0	\$21,531,020
23	OCO	0	0	\$15,825	(\$15,825)	\$0	\$0		\$0	\$0	\$21,531,020
24	OCO	0	0	\$33,487	(\$33,906)	\$0	\$419		\$0	\$0	\$21,531,020
25	OCO	0	0	\$8,854	(\$8,854)	\$0	\$0		\$0	\$0	\$21,531,020
26	OCO	0	-	(\$106)	\$0	\$106	\$0		\$0	\$0	\$21,531,020
27R	OCO	0	-	\$2,687	\$0	(\$2,687)	\$0		\$0	\$0	\$21,531,020
28	Void	0	0	\$0	\$0	\$0	\$0		\$0	\$0	\$21,531,020
29	OCO	0	-	\$3,647	(\$3,647)	\$0	\$0		\$0	\$0	\$21,531,020
30	OCO	0	0	(\$30,000)	\$0	\$30,000	\$0		\$0	\$0	\$21,531,020
31	OCO	0	0	\$4,434	\$0	(\$4,434)	\$0		\$0	\$0	\$21,531,020

32	OCO	0	0	\$6,816	\$0	(\$6,816)	\$0		\$0	\$0	\$21,531,020
33R	OCO	0	-	(\$28,265)	\$0	\$28,265	\$0		\$0	\$0	\$21,530,927
34	OCO	0	0	\$5,273	(\$5,273)	\$0	\$0		\$0	\$0	\$21,531,020
35	OCO	0	0	(\$168,250)	\$0	\$0	\$0		\$0	(\$168,250)	\$21,362,770
36	OCO	0	0	\$1,280	(\$1,280)	\$0	\$0		\$0	\$0	\$21,531,020
37	OCO	0	0	\$1,601	(\$1,601)	\$0	\$0		\$0	\$0	\$21,531,020
38R	OCO	0	-	\$4,646	(\$4,646)	\$0	\$0		\$0	\$0	\$21,531,020
39R	OCO	10	-	\$0	\$0	\$0	\$0		\$0	\$0	\$21,531,020
40R	OCO	0	-	(\$6,292)	\$0	\$6,292	\$0		\$0	\$0	\$21,531,020
41	OCO	0	-	(\$50,311)	\$0	\$50,311	\$0		\$0	\$0	\$21,531,020
42R	OCO	0	-	(\$44,494)	\$0	\$44,494	\$0		\$0	\$0	\$21,531,020
43R	OCO	0	-	\$24,129	\$0	(\$24,129)	\$0		\$0	\$0	\$21,531,020
Current Amounts		20	10	\$18,303,509	\$276,576	\$258,277	\$1,898,848	\$0	\$625,467	\$21,362,770	\$21,362,770



P.O. Box 1299
11303 Conroy Lane
Manchaca, Texas 78652
(512) 280-1030
Fax # (512) 280-1032

P.O. Box 271482
Corpus Christi, TX 78427
1955 Saratoga
Corpus Christi, TX 78417
(361) 289-2944
Fax # (361) 289-7163

www.portroofing.com

January 2, 2018

Thomas Morrill
Vaughn Construction
TMorrill@vaughnconstruction.com

RE: Wilco North Campus Facility
ASI #35

We propose to furnish the necessary equipment, material, labor, safety, and insurance to provide the following scope of work:

Scope of Work:

Provide and install flashing boots at three (3) electrical penetrations and pads under supports.

Material	\$250.00
Labor	<u>1,100.00</u>
Total	\$1,350.00

Respectfully,

Jennifer McCauley



INSIST ON
A PROFESSIONAL
ROOFING CONTRACTOR.



NATIONAL
ROOFING
CONTRACTORS
ASSOCIATION
MEMBER



LOCHRIDGEPRIEST
HEATING • AIR CONDITIONING • PLUMBING

TACLA28343C

M-41036

Price Change Order #

016

Date: January 4, 2018

To: **Vaughn Construction**
3920 N. IH-35
Austin, Texas 78751

Job Name: **Williamson County North
Campus Facility**

Attn: **Doug Boram**

Job Location: 3171 SE Inner Loop
Georgetown, Texas 78626

LP Job #: **HC16-651**

Reference: **Additional Mini Split**

Please (add) the amount below per the items listed in the breakout sheet. This change proposal is for installing a new mini split in Building H Stairwell.

Base Bid Total: **\$14,290.00**

Inclusions: Additional Mini-Split, Piping, Controls and Insulation (Material and Labor)

Exclusions: Bond, overtime and original contract exclusions.

By:

Mark Veselka
Project Manager

Please Note: Lochridge Priest has the right to reprice this change order in the event that the supplied information is incorrect or differs from the actual field situation.

Lochridge Priest

JOB NAME:		Williamson County NCF		HVAC & PLUMBING SHORT RECAP				PRINT TIME: 1/4/2018 7:39		
LOCATION:		Additional Mini Split						BID DATE: 9/26/2017		
LABOR RATE:		\$ 40.00						EST. NO.: LPPCO-016		
MCA %:		100%								
		UNIT HRS		EXT HRS		EQUIP \$		MAT'L \$		
						LABOR \$		SUB-MISC		
P L U M B I N G	QUAN	DESCRIPTION								
	1	Condensate Piping		13	13	\$ -	\$ 472	\$ 500	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1	20% ADD FOR MED. GAS. PIP		0	0	\$ -	\$ -	\$ -	\$ -	
	1	10% ADD FOR DOM. WTR. PI		0	0	\$ -	\$ -	\$ -	\$ -	
	1	TAG & ID		-	0	\$ -	\$ -	\$ -	\$ -	
	1	TESTING 10.0%		-	1	\$ -	\$ -	\$ 50	\$ -	
1	SUPERVISION 10.0%		-	1	\$ -	\$ -	\$ 55	\$ -		
PLUMBING TOTALS				15	\$ -	\$ 472	\$ 605	\$ -		
P I P I N G	QUAN	DESCRIPTION								
	1	Refrigerant Copper		18	18	\$ -	\$ 492	\$ 720	\$ -	
	1	Split System		24	24	\$ 3,895	\$ 300	\$ 960	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1	10% ADD FOR 1" & DOWN PIP		0	0	\$ -	\$ -	\$ -	\$ -	
	1	TAG & ID		-	0	\$ -	\$ -	\$ -	\$ -	
	1	SUPERVISION 10.0%		-	4	\$ -	\$ -	\$ 168	\$ -	
	PIPING TOTALS				46	\$ 3,895	\$ 792	\$ 1,848	\$ 0	
S H E E T M E T A L	#'S OF DUCT:									
	LABOR RATES									
	\$ 40.00 SHOP		-		0		\$ -		\$ -	
	\$ 40.00 HANDLING		-		0		\$ -		\$ -	
	\$ 40.00 FIELD		-		0		\$ -		\$ -	
	QUAN	DESCRIPTION								
	1	Sheetmetal Shop Expense		0	0	\$ -	\$ -	\$ -	\$ -	
	1	20% FIELD CORR. FACTOR		0	0	\$ -	\$ -	\$ -	\$ -	
	1	Wire		0	0	\$ -	\$ 20	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
	1			0	0	\$ -	\$ -	\$ -	\$ -	
1			0	0	\$ -	\$ -	\$ -	\$ -		
1			0	0	\$ -	\$ -	\$ -	\$ -		
1			0	0	\$ -	\$ -	\$ -	\$ -		
1	SUPERVISION 10.0%		-	0	\$ -	\$ -	\$ -	\$ -		
SHEETMETAL TOTALS				0	\$ -	\$ 20	\$ -	\$ -		
HVAC TOTALS				46	\$ 3,895	\$ 812	\$ 1,848	\$ -		
S U B & M I S C	LINE	DESCRIPTION		VENDOR				SUBCONTRACTOR		
	1	INSULATION		Chaparral		\$ -		\$ 500		
	2	TEMP CONTROLS		Atuo. Logic		\$ -		\$ 2,200		
	3	Test and Balance		PHI		\$ -		No Price		
	4					\$ -		\$ -		
	5					\$ -		\$ -		
	6					\$ -		\$ -		
	7	CLEAN UP CREW		2.0%		\$ -		\$ 49		
	8	EQUIPMENT RENTAL				\$ -		\$ -		
	9	SU; T & B ; G & A				\$ -		\$ 720		
	10	SMALL TOOL/MISC MTL/WARRANTY				\$ 218		\$ 156		
	SUB & MISC. TOTALS					\$ -	\$ 218	\$ 769	\$ 3,191	
	M I S C	STARTUP LABOR RATE:		\$ 90.00		SUMMARY				
EQUIPMENT ADJUSTMENT:		\$ -		HVAC		SUB & MISC.		PLUMBING		
WARRANTY %:		4%		EQUIP		\$ -		\$ -		
MISC. MATERIAL %:		17%		MATL		\$ 218		\$ 472		
				LABOR		\$ 769		\$ 605		
DESCRIPTION:				S/M		\$ 3,191		\$ -		
		0.00%		TAX		\$ -		\$ -		
		10%		COST		\$ 6,555		\$ 4,178		
				GEN. COND.		\$ 656		\$ 418		
		10%		SUBTOTAL		\$ 7,211		\$ 4,596		
				FEE		\$ 721		\$ 460		
				BID W/O BOND		\$ 7,932		\$ 5,056		
				PERF. BOND						
				JOB TOTAL BID				\$ 14,290		
				% M/U v LABOR		39.0%		59.8%		
						19.6%		40.3%		

Lochridge Priest

GENERAL ADMINISTRATIVE & MISCELLANEOUS SUMMARY				PRINT TIME:	1/4/2018 7:39
JOB NAME:	Williamson County NCF			BID DATE:	9/26/2017
LOCATION:	Additional Mini Split			EST. NO.:	LPPCO-016
GEN & ADMIN DESCRIPTION	UNIT COST	UNIT MEASURE	QUANTITY	TOTAL COST	
1 PROJECT MANAGER	\$ 75	Hr	4.00	\$ 300	
2 ASSISTANT PROJECT MANAGER	\$ 10,700	Month	0.00	\$ -	
3 SUPERINTENDENT	\$ 15,500	Month	0.00	\$ -	
4 SECRETARIES	\$ 35	Hr	1.00	\$ 35	
5 PROJECT OFFICE	\$ 2,062	Month	0.00	\$ -	
6 ENGINEERING	\$ 99	Hour	0.00	\$ -	
7 TELEPHONE/FAX/OFFICE SUPPLIES	\$ 1,000	Month	0.00	\$ -	
8 SHEET METAL CARTAGE	\$ 700	Trip	0.00	\$ -	
9 PICK-UP & DELIVERIES	\$ 375	Each	0.00	\$ -	
10 NEW HIRE COSTS/SAFETY TRAINING	\$ 500	Each	0.00	\$ -	
11 ESTIMATING	\$ 80	Hour	0.00	\$ -	
12 SHOP & RECORD DRAWINGS - 8% OF LABOR	\$ 45	Hour	0.00	\$ -	
GENERAL ADMINISTRATIVE SUMMARY TOTAL				\$	335

EQUIPMENT RENTAL				
DESCRIPTION	UNIT COST	UNIT MEASURE	QUAN.	TOTAL COST
185 CFM AIR COMP W/HOSES	\$ 2,174.00	MONTH	0	\$ -
SCISSOR LIFT -- 15 FT ELEC	\$ 300.00	Week	0	\$ -
GENERATOR - 4000 WATT	\$ 457.00	MONTH	0	\$ -
FORK LIFT -- WAREHOUSE 5000LB	\$ 1,716.00	MONTH	0	\$ -
SKYTRACK	\$ 3,457.00	MONTH	0	\$ -
WELDING MACHINE - GASOLINE	\$ 692.00	MONTH	0	\$ -
Mini-Ex	\$ 466.00	Week	0	\$ -
TRACKHOE -- 13-15 FT	\$ 5,102.00	MONTH	0	\$ -
COMPACTOR	\$ 500.00	MONTH	0	\$ -
TRENCHER	\$ 9,500.00	Week	0	\$ -
TRENCHER DELIVERY/PICKUP	\$ 750.00	LOT	0	\$ -
FUEL	\$ 1,073.00	LOT	0	\$ -
RENTAL EQUIPMENT INSURANCE	\$ -		0	\$ -
RENTAL EQUIPMENT TAX				\$ -
TOTAL EQUIP RENTAL				\$ -

BALANCE -- STARTUP AIR & WATER									
QUAN	DESCRIPTION	PIPING		SHEETMETAL		PIPING		SHEETMETAL	
		STRTUP UNIT	BAL UNIT	STRTUP UNIT	BAL UNIT	STRTUP EXT	BAL EXT	STRTUP EXT	BAL EXT
1	CT&S	8.00	0.00	0.00	0.00	8	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	-	0.00	0.00	0.00	0.00	0	0	0	0
0	G/R/D	0.00	0.00	0.00	0.50	0	0	0	0
SUB-TOTALS						8	0	0	0
						PIPING		SHT MTL	
START UP TOTALS						8 MANHRS		0 MANHRS	
BALANCE TOTALS						0 MANHRS		0 MANHRS	
MNHRS						COST			
STARTUP - PIPING		8		\$	720.00				
STARTUP - SHEETMETAL		0		\$	-				
BALANCE - PIPING		0		\$	-				
BALANCE - SHEETMETAL		0		\$	-				
TOTAL		8		\$	720.00				



Date: January 2, 2018
Company: Lochridge Priest
Attn: Mark Veselka
Re: Williamson County NCF ASI-035

PROPOSAL

Chaparral insulation is pleased to submit this proposal for the above referenced project. This includes all necessary labor, materials and equipment to complete this scope of work. The system inclusions are as follows and the application procedures are held in strict accordance with the specifications and construction documents

HVAC: Insulate condensate for addition of ductless split to serve stair #2 per ASI-035.

Plumbing: None

Specification section(s): Original Specifications
Addendums Acknowledged: 0
Per plans dated: 12.21.17

EXCLUSIONS: Original project exclusions apply

Pricing Breakdown:	HVAC	Plumbing
Pricing:	\$ 500.00	

TAX: This price does not include sales tax. We will require a sales tax certificate for our files or sales tax will be added.

CLEARANCE: Pipe/Duct routing and penetrations must provide enough space and/or clearance to allow for full sizing of insulation specified.

CLEAN-UP: Chaparral will clean up their own area on a daily basis to remove any insulation scraps, debris or garbage. However, we will not provide clean-up crews directed by another company.

SCHEDULING: This proposal is based on sequencing work properly to provide sufficient time to complete our scope of work. The insulation scope of the project needs to be included when the project schedule is being created.

INSURANCE: Chaparral insulation is fully insured general liability and workers compensation coverage in excess of most contract requirements.

30-DAY PRICE: This proposal is in affect for a period of thirty (30) days. We reserve the right to withdraw this proposal and any related future pricing if both parties cannot agree on the conditions.

Thanks,

Pat Moore
Project Manager
Chaparral Insulation Co, Inc.

WACC

AUSTIN

EL PASC

HOUSTON

SAN ANTONIC

DALLAS/FT WORTH

Mark Veselka

From: Yerges, Dan UTC CCS <Dan.Yerges@automatedlogic.com>
Sent: Wednesday, December 27, 2017 3:36 PM
To: Mark Veselka
Subject: Re: [External] FW: Wilco NCF Add Mini-Split System

Mark,

I'm not in the office this week, but if you need a price, use \$2200.00. This only includes monitoring the space temperature. It does not include any wiring of the mini-split.

Sent from my iPhone

On Dec 27, 2017, at 1:22 PM, Mark Veselka <mark@lochridgepriest.com> wrote:

Gentlemen,

Please send me a price for the proposed change as soon as possible.

Thanks,
Mark Veselka
Project Manager
Lochridge-Priest, Inc.
Cell: (254) 379-3059
Direct Phone: (254) 492-8158
Direct Fax: (254) 492-8258
<image001.png>

From: Stuart Baker [<mailto:sbaker@vaughnconstruction.com>]
Sent: Thursday, December 21, 2017 11:18 AM
To: Doug Boram <dougboram@vaughnconstruction.com>; Camille Carpenter <CCarpenter@vaughnconstruction.com>; Mark Veselka <mark@lochridgepriest.com>; John Bayer <jbayer@lochridgepriest.com>; Scott Schwartz <sschwartz@schmidt-electric.com>; itomastik@schmidt-electric.com
Subject: Fwd: Wilco NCF Add Mini-Split System

Please take a look at this and give me some input on routing.

Sent from my iPhone

Begin forwarded message:

From: Byron Hendrix <byronh@hceengineer.com>
Date: December 21, 2017 at 11:07:56 CST
To: "SBAKER@VAUGHNCONSTRUCTION.COM" <SBAKER@VAUGHNCONSTRUCTION.COM>
Cc: Brody Harris <BHarris@blgy.com>
Subject: FW: Wilco NCF Add Mini-Split System

STEVE,

I'm calling shortly.

Telephone is my primary form of communication, email is for information transfer only.
If it is important or needs immediate attention please call.

Thanks,

Byron J. Hendrix, P.E., C.E.A., LEED AP

Hendrix Consulting Engineers

MEP- Field Investigation - Commissioning
Energy Consulting - Energy Auditing
115 East Main ST., Round Rock, Texas 78664
(512) 218-0060 TEL ext 313
(512) 218-0077 FAX
(512) 468-6265 CELL
www.hcengineer.com

From: Ricky Davidson

Sent: Thursday, December 21, 2017 10:31 AM

To: Buck Hendrix <buckh@hcengineer.com>; Byron Hendrix
<byronh@hcengineer.com>

Subject: Wilco NCF Add Mini-Split System

Buck,

Plans to add mini-split

Respectfully,

Ricky Davidson, Mechanical Designer

www.hcengineer.com | RickyD@HCEngineer.com

Hendrix Consulting Engineers

115 East Main Street	512.218.0060 (P)
Round Rock, TX 78664	512.218.0077 (F)

<03M1.02 MINI-SPLIT SCHEDULE.pdf>

<03Ph2.02 2ND FLOOR PLAN.pdf>

<03Ph3.01 ROOF PLAN.pdf>

CONDENSATE / PIPING								
Project	Waco VA CoGen							
Date	8/26/13				PRICES UPDATED			Jul-08
					Labor	Labor	Material	Material
Item	Item names		Qty	Unit	Unit	Hours	Unit	Amount
1	COPPER PIPE TYPE M							
2	3/4"		0	FT	0.04	0	\$2.00	\$0.00
3	1"		60	FT	0.05	3	\$3.15	\$189.00
4	1 1/4"		0	FT	0.05	0	\$4.65	\$0.00
5	1 1/2"		0	FT	0.06	0	\$6.50	\$0.00
6	2"		0	EA	0.07	0	\$10.15	\$0.00
7								
8	COPPER MALE ADAPTERS							
9	3/4"		0	EA	0.21	0	\$2.53	\$0.00
10	1"		1	EA	0.25	0.25	\$6.04	\$6.04
11	1 1/4"		0	EA	0.27	0	\$8.82	\$0.00
12	1 1/2"		0	EA	0.3	0	\$11.02	\$0.00
13	2"		0	EA	0.7	0	\$18.87	\$0.00
14								
15	COPPER FEMALE ADAPTERS							
16	3/4"		0	EA	0.21	0	\$3.26	\$0.00
17	1"		0	EA	0.25	0	\$7.05	\$0.00
18	1 1/4"		0	EA	0.27	0	\$11.02	\$0.00
19	1 1/2"		0	EA	0.3	0	\$17.18	\$0.00
20	2"		0	EA	0.7	0	\$23.29	\$0.00
21								
22	COPPER UNIONS							
23	3/4"		0	EA	0.42	0	\$9.90	\$0.00
24	1"		4	EA	0.5	2	\$16.48	\$65.92
25	1 1/4"		0	EA	0.54	0	\$26.96	\$0.00
26	1 1/2"		0	EA	0.6	0	\$35.72	\$0.00
27	2"		0	EA	0.7	0	\$49.76	\$0.00
28								
29	COPPER TEES							
30	3/4"		0	EA	0.63	0	\$3.15	\$0.00
31	1"		2	EA	0.75	1.5	\$9.07	\$18.14
32	1 1/4"		0	EA	0.81	0	\$12.35	\$0.00
33	1 1/2"		0	EA	0.9	0	\$19.12	\$0.00
34	2"		0	EA	1.05	0	\$29.86	\$0.00
35								
36	COPPER ELLS							
37	3/4"		0	EA	0.42	0	\$1.76	\$0.00
38	1"		6	EA	0.5	3	\$3.89	\$23.34
39	1 1/4"		0	EA	0.54	0	\$5.91	\$0.00
40	1 1/2"		0	EA	0.6	0	\$9.13	\$0.00
41	2"		0	EA	0.7	0	\$16.87	\$0.00
42								
43	COPPER COUPLINGS							
44	3/4"		0	EA	0.2	0	\$1.16	\$0.00
45	1"		1	EA	0.25	0.25	\$2.17	\$2.17
46	1 1/4"		0	EA	0.27	0	\$3.85	\$0.00

47	1 1/2"	0	EA	0.3	0	\$5.03	\$0.00
48	2"	0	EA	0.4	0	\$8.53	\$0.00
49							
50	THREADED PLUGS 3/4" - 1 1/4"		0	EA	0.2	0	\$4.50
51	WELDING MATERIALS		14	FTS	0	0	\$0.50
52							
53	60	FT	HANGERS	10	EA	0.25	2.5
			CONDENSATE / PIPING LABOR			12.5	M-TOTAL
							\$471.61

		TRAVEL		MAN HOURS PER TRAVEL	MILES PER	TRAVEL
		TOTAL HOURS DEVIDED BY 24 = TRIPS	TRIPS	ROUND TRIP	ME/HOU	TRIP
			1	0	0	0
						\$0.45
						\$0.00

REFIGERATION / PIPING								
Project	Waco VA CoGen							
Date	8/26/13			PRICES UPDATED				Jan-13
Item	Item names	Qty	Unit	Labor Unit	Labor Hours	Material Unit	Material Amount	
	COPPER PIPE HARD DRAWN							
	3/8"	60	FT	0.05	3	\$0.75	\$45.00	
	1/2"	0	FT	0.05	0	\$1.51	\$0.00	
	5/8"	60	FT	0.05	3	\$1.40	\$84.00	
	3/4"	0	FT	0.06	0	\$2.62	\$0.00	
	7/8"	0	FT	0.06	0	\$3.05	\$0.00	
	1 1/8"	0	FT	0.07	0	\$4.45	\$0.00	
	1 3/8"	0	FT	0.08	0	\$5.52	\$0.00	
	1 5/8"	0	FT	0.09	0	\$8.01	\$0.00	
	2 1/8"	0	FT	0.1	0	\$12.85	\$0.00	
	COPPER COUPLINGS							
	3/8"	4	EA	0.26	1.04	\$0.75	\$3.00	
	1/2"	0	EA	0.29	0	\$0.53	\$0.00	
	5/8"	4	EA	0.33	1.32	\$1.00	\$4.00	
	3/4"	0	EA	0.36	0	\$1.24	\$0.00	
	7/8"	0	EA	0.39	0	\$0.98	\$0.00	
	1 1/8"	0	EA	0.46	0	\$1.60	\$0.00	
	1 3/8"	0	EA	0.52	0	\$2.86	\$0.00	
	1 5/8"	0	EA	0.59	0	\$3.80	\$0.00	
	2 1/8"	0	EA	0.65	0	\$6.28	\$0.00	
	COPPER ELLS							
	3/8"	10	EA	0.26	2.6	\$1.70	\$17.00	
	1/2"	0	EA	0.29	0	\$3.01	\$0.00	
	5/8"	10	EA	0.33	3.3	\$2.00	\$20.00	
	3/4"	0	EA	0.36	0	\$2.49	\$0.00	
	7/8"	0	EA	0.39	0	\$3.30	\$0.00	
	1 1/8"	0	EA	0.46	0	\$5.06	\$0.00	
	1 3/8"	0	EA	0.52	0	\$8.67	\$0.00	
	1 5/8"	0	EA	0.59	0	\$11.59	\$0.00	
	2 1/8"	0	EA	0.65	0	\$32.97	\$0.00	
	SIGHT GLASSES							
	3/8"	1	EA	0.38	0.38	\$14.00	\$14.00	
	1/2"	0	EA	0.38	0	\$17.00	\$0.00	
	5/8"	0	EA	0.45	0	\$18.00	\$0.00	
	3/4"	0	EA	0.45	0	\$20.00	\$0.00	
	7/8"	0	EA	0.53	0	\$22.00	\$0.00	
	SOLINOID VALVES							
	3/8"	0	EA	0.38	0	\$74.60	\$0.00	
	1/2"	0	EA	0.38	0	\$84.87	\$0.00	
	5/8"	0	EA	0.45	0	\$103.08	\$0.00	
	3/4"	0	EA	0.45	0	\$120.87	\$0.00	
	7/8"	0	EA	0.53	0	\$144.83	\$0.00	
	SOLINOID COILS							
	3/8" THROUGH 7/8"	0	EA	0.08	0	\$22.00	\$0.00	
	HANGERS EVERY 6 FT							
	CLEVIS AND TRAPEZE	10	EA	0.15	1.5	\$16.50	\$165.00	

EXTRA FREON							
R-22	0	EA	0	0	\$4.00	\$0.00	
R-410A	4	EA	0	0	\$9.75	\$39.00	
SOLDER MATERIAL							
8 20 3/8" THROUGH 5/8"	28	EA	0	0	\$0.30	\$8.40	
0 0 3/4" THROUGH 1 1/8"	0	EA	0	0	\$1.00	\$0.00	
0 0 1 3/8" THROUGH 2 1/8"	0	EA	0	0	\$1.35	\$0.00	
ARMAFLEX BY 1/2"							
3/8"	0	FT	0.01	0	\$0.33	\$0.00	
1/2"	0	FT	0.01	0	\$0.29	\$0.00	
5/8"	0	FT	0.01	0	\$0.29	\$0.00	
3/4"	0	FT	0.01	0	\$0.27	\$0.00	
7/8"	0	FT	0.01	0	\$0.33	\$0.00	
1 1/8"	0	FT	0.01	0	\$0.37	\$0.00	
1 3/8"	0	FT	0.01	0	\$0.56	\$0.00	
1 5/8"	0	FT	0.01	0	\$0.66	\$0.00	
2 1/8"	0	FT	0.01	0	\$0.83	\$0.00	
ARMAFLEX BY 1"							
3/8"	60	FT	0.01	0.6	\$0.90	\$54.00	
1/2"	0	FT	0.01	0	\$0.78	\$0.00	
5/8"	60	FT	0.01	0.6	\$0.65	\$39.00	
3/4"	0	FT	0.01	0	\$0.78	\$0.00	
7/8"	0	FT	0.01	0	\$0.84	\$0.00	
1 1/8"	0	FT	0.01	0	\$0.90	\$0.00	
1 3/8"	0	FT	0.01	0	\$1.98	\$0.00	
1 5/8"	0	FT	0.01	0	\$2.23	\$0.00	
2 1/8"	0	FT	0.01	0	\$2.74	\$0.00	
ARMAFLEX BY 1-1/2"							
5/8"	0	FT	0.02	0	\$2.54	\$0.00	
3/4"	0	FT	0.02	0	\$2.75	\$0.00	
7/8"	0	FT	0.02	0	\$3.26	\$0.00	
1 1/8"	0	FT	0.02	0	\$3.86	\$0.00	
1 3/8"	0	FT	0.02	0	\$3.98	\$0.00	
REFRIGERATION / PIPING LABOR				17.3	M-TOTAL	\$492.40	

TRAVEL						
TOTAL HOURS DEVIDED BY 24 = TRIPS	TRIPS	MAN HOURS PER ROUND TRIP	TRAVEL MILES PER TRIP	ME/HOU	TRIP	\$0.45
	1	0	0	0	0	\$0.00



Vaughn Construction
 Mr. Doug Boram
 3920 North IH 35
 Austin, Texas 78751

January 5, 2018

Reference: Williamson County North Campus Facility
 Electrical Proposal PCO- 018
 Install power for the new mini split in the North stairwell. ASI-035

We are pleased to provide the following proposal for the additional work as requested by Vaughn Construction.

Total Cost **\$ 5,898.00**
Five-Thousand Eight-Hundred and Ninety-Eighty dollars

Inclusions:

<u>Item No.</u>	<u>Description</u>
1	Install new conduit, conductors for the mini split unit at the North stairwell.
2	Install one 30A/2P/F N3R disconnect on the roof and one motor rated switch at the inside unit.
3	Install a raceway for control wiring through the roof.

Qualifications:

Price is firm for 30 days from the date of this proposal.

Exclude all sealing of roof penetrations.

Exclude all sheetrock patching and painting.

If you have any questions, please feel free to call me at 512-369-5551.

Sincerely,

Schmidt Electric Company

Scott Schwartz
Project Manager

Accepted By

Date

cc: File



Electrical Proposal
 Texas Electrical Contractors License Number 17947