



Work Order Signature Document

ezIQc Buy Board Contract No.: 520-16 Area F - CCE

☐

New Work Order

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Modify an Existing Work Order

Work Order Number.: 062091.01

Work Order Date: 05/13/2019

Work Order Title: Collin County - HVAC Replacement Supplemental 1

Owner Name: BUY BOARD - Collin County

Contractor Name: Centennial Contractors

Contact: John Griffin

Contact: John Emershaw

Phone: 972-548-4116

Phone: (512) 796-8243

Work to be Performed

Work to be performed as per the Final Detailed Scope of Work Attached and as per the terms and conditions of ezIQc Buy Board Contract No 520-16 Area F - CCE.

Brief Work Order Description:

Time of Performance

Estimated Start Date: 04/29/2019

Estimated Completion Date: 08/31/2019

Liquidated Damages

Will apply:

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Will not apply:

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Work Order Firm Fixed Price: \$19,707.99

Owner Purchase Order Number:

Approvals

Owner

Date

Contractor

Date



Detailed Scope of Work

To: John Emershaw
Centennial Contractors
11111 Sunset Hills Road, Suite 350
Reston, VA 20190
(512) 796-8243

From: John Griffin
BUY BOARD - Collin County
4300 Community
McKinney, TX 75071
972-548-4116

Date Printed: May 13, 2019

Work Order Number: 062091.01

Work Order Title: Collin County - HVAC Replacement Supplemental 1

Brief Scope:

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Preliminary

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Revised

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Final

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

HVAC:Change the Equipment to the latest as Specified:Carrier Credit for Equipment Change - (\$12,256.00)

Field Install the Following items provided by Carrier:B900:-(26) Electric Heat Strips -(6) Start Assist - Capacitor

& Relay -(19) Transformers for 3 Phase Units RTU'S- No HVAC Controls/Upgrades or Retrofits920:-(22)

Electric Heat Strips -(22) Start Assist - Capacitor & Relay

ELECTRICAL:B900:Per plan sheet E0.1 Replace existing circuit breakers to Condenser units and FCU's - 38 each

Upsize wire on FCU's per the revised schedule provided; B920:Per plan sheet E0.1 Replace existing circuit breakers

to Condenser units and FCU's - 25 each Upsize wire on FCU's per the schedule provided

Reuse Remaining Existing Circuit Breakers for Equipment

EXCLUSIONS:Sales tax, Engineering, additional breakers not included in this supplemental, additional Carrier controls or components

Assumptions & Clarifications from Original Proposal Apply

Subject to the terms and conditions of JOC Contract **520-16 Area F - CCE**.

Contractor

Date

Owner

Date

Contractor's Price Proposal - Summary

Date: May 13, 2019

Re: IQC Master Contract #: 520-16 Area F - CCE
Work Order #: 062091.01
Owner PO #:
Title: Collin County - HVAC Replacement Supplemental 1
Contractor: Centennial Contractors
Proposal Value: \$19,707.99

ELEC	\$20,083.06
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HVAC	-\$375.07
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Proposal Total	\$19,707.99
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This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

Contractor's Price Proposal - Detail

Date: May 13, 2019

Re: IQC Master Contract #: 520-16 Area F - CCE
 Work Order #: 062091.01
 Owner PO #:
 Title: Collin County - HVAC Replacement Supplemental 1
 Contractor: Centennial Contractors
 Proposal Value: \$19,707.99

Sect.	Item	Mod.	UOM	Description	Line Total
Labor	Equip.	Material	(Excludes)		
ELEC					
1	01 22 20 00 0010		HR	ElectricianFor tasks not included in the Construction Task Catalog® and as directed by owner only.	\$1,753.77
			Installation	Quantity 32.00 x Unit Price 42.79 x Factor 1.2808 = Total 1,753.77	
				LABOR TO ACCESS PANELS AND CLOSE BACK UP	
2	01 22 20 00 0010 0004		MOD	For Foreman, Add	\$43.85
			Installation	Quantity 16.00 x Unit Price 2.14 x Factor 1.2808 = Total 43.85	
3	26 01 20 00 0003		EA	Lock Out/Tag Out Breaker Or Motor Starter	\$165.99
			Installation	Quantity 12.00 x Unit Price 10.80 x Factor 1.2808 = Total 165.99	
				LOCK OUT MAINS	
4	26 01 20 00 0004		EA	Lock Out/Tag Out Tags	\$25.51
			Installation	Quantity 12.00 x Unit Price 1.66 x Factor 1.2808 = Total 25.51	
				LOCK OUT TAGS	
5	26 01 20 00 0006		EA	Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	\$1,138.66
			Installation	Quantity 99.00 x Unit Price 8.98 x Factor 1.2808 = Total 1,138.66	
				VERIFY CIRCUITS FOR MODIFICATIONS	
6	26 05 19 16 0276		MLF	#12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	\$14.46
			Installation	Quantity 0.00 x Unit Price 341.40 x Factor 1.2808 = Total 0.00	
			Demolition	Quantity 0.15 x Unit Price 75.29 x Factor 1.2808 = Total 14.46	
				DEMO #12 WIRE	
7	26 05 19 16 0277		MLF	#10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	-\$1,630.72
			Installation	Quantity -2.41 x Unit Price 433.59 x Factor 1.2808 = Total -1,338.37	
			Demolition	Quantity -2.41 x Unit Price 94.71 x Factor 1.2808 = Total -292.34	
				CREDIT FROM ORIGINAL PROPOSAL	
8	26 05 19 16 0277		MLF	#10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	\$1,524.54
			Installation	Quantity 2.47 x Unit Price 433.59 x Factor 1.2808 = Total 1,371.69	
			Demolition	Quantity 1.26 x Unit Price 94.71 x Factor 1.2808 = Total 152.84	
				DEMO AND NEW #10 WIRE	

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Work Order Title: Collin County - HVAC Replacement Supplemental 1

9	26	05	19	16	0278	MLF	#8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit						-28.98
						Installation	Quantity -0.03	x	Unit Price 629.31	x	Factor 1.2808	=	Total -24.18
						Demolition	-0.03	x	124.84	x	1.2808	=	-4.80
						CREDIT FROM ORIGINAL PROPOSAL							
10	26	05	19	16	0278	MLF	#8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit						\$1,886.82
						Installation	Quantity 1.84	x	Unit Price 629.31	x	Factor 1.2808	=	Total 1,483.88
						Demolition	2.52	x	124.84	x	1.2808	=	402.94
						DEMO AND NEW #8 WIRE							
11	26	05	19	16	0279	MLF	#6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit						-1,782.23
						Installation	Quantity -1.34	x	Unit Price 887.68	x	Factor 1.2808	=	Total -1,523.50
						Demolition	-1.34	x	150.75	x	1.2808	=	-258.73
						CREDIT FROM ORIGINAL PROPOSAL							
12	26	05	19	16	0279	MLF	#6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit						\$5,360.83
						Installation	Quantity 4.65	x	Unit Price 887.68	x	Factor 1.2808	=	Total 5,291.32
						Demolition	0.36	x	150.75	x	1.2808	=	69.51
						DEMO AND NEW #6 WIRE							
13	26	05	19	16	0280	MLF	#4 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit						-\$71.24
						Installation	Quantity -0.04	x	Unit Price 1,212.40	x	Factor 1.2808	=	Total -62.11
						Demolition	-0.04	x	178.16	x	1.2808	=	-9.13
						CREDIT FROM ORIGINAL PROPOSAL							
14	26	05	19	16	0281	MLF	#3 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit						\$674.42
						Installation	Quantity 0.36	x	Unit Price 1,462.68	x	Factor 1.2808	=	Total 674.42
						NEW #3 WIRE							
15	26	05	19	16	0282	MLF	#2 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit						\$540.10
						Installation	Quantity 0.24	x	Unit Price 1,771.80	x	Factor 1.2808	=	Total 540.10
						NEW #2 WIRE							
16	26	05	19	16	0283	MLF	#1 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit						-\$92.11
						Installation	Quantity -0.03	x	Unit Price 2,142.27	x	Factor 1.2808	=	Total -82.31
						Demolition	-0.03	x	254.87	x	1.2808	=	-9.79
						CREDIT FROM ORIGINAL PROPOSAL							
17	26	24	16	00	0445	EA	2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity						\$3,595.27
						Installation	Quantity 18.00	x	Unit Price 148.84	x	Factor 1.2808	=	Total 3,431.42
						Demolition	11.00	x	11.63	x	1.2808	=	163.85
						DEMO AND NEW BREAKERS 15-30 AMP 2 POLE							

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18	26	24	16	00 0445	0171	MOD	For Bolt-On, Add					\$533.25
						Installation	Quantity 18.00	x	Unit Price 23.13	x	Factor = 1.2808	Total 533.25
19	26	24	16	00 0445	0387	MOD	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add					\$178.67
						Installation	Quantity 18.00	x	Unit Price 7.75	x	Factor = 1.2808	Total 178.67
20	26	24	16	00 0446		EA	2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity					\$3,964.65
						Installation	Quantity 19.00	x	Unit Price 148.84	x	Factor = 1.2808	Total 3,622.05
						Demolition	23.00	x	11.63	x	1.2808 =	342.60
							DEMO AND NEW BREAKERS 35-60 AMP 2 POLE					
21	26	24	16	00 0446	0171	MOD	For Bolt-On, Add					\$562.87
						Installation	Quantity 19.00	x	Unit Price 23.13	x	Factor = 1.2808	Total 562.87
22	26	24	16	00 0446	0387	MOD	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add					\$188.60
						Installation	Quantity 19.00	x	Unit Price 7.75	x	Factor = 1.2808	Total 188.60
23	26	24	16	00 0447		EA	2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity					\$59.60
						Installation	Quantity 0.00	x	Unit Price 177.45	x	Factor = 1.2808	Total 0.00
						Demolition	3.00	x	15.51	x	1.2808 =	59.60
							DEMO AND NEW BREAKERS 70-100 AMP 2 POLE					
24	26	24	16	00 0452		EA	3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity					\$3,556.68
						Installation	Quantity 15.00	x	Unit Price 177.89	x	Factor = 1.2808	Total 3,417.62
						Demolition	7.00	x	15.51	x	1.2808 =	139.06
							DEMO AND NEW BREAKERS 15-30 AMP 3 POLE					
25	26	24	16	00 0452	0171	MOD	For Bolt-On, Add					\$543.12
						Installation	Quantity 15.00	x	Unit Price 28.27	x	Factor = 1.2808	Total 543.12
26	26	24	16	00 0452	0387	MOD	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add					\$198.65
						Installation	Quantity 15.00	x	Unit Price 10.34	x	Factor = 1.2808	Total 198.65
27	26	24	16	00 0453		EA	3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity					\$2,863.83
						Installation	Quantity 11.00	x	Unit Price 177.89	x	Factor = 1.2808	Total 2,506.26
						Demolition	18.00	x	15.51	x	1.2808 =	357.57
							DEMO AND NEW BREAKERS 35-60 AMP 2 POLE					
28	26	24	16	00 0453	0171	MOD	For Bolt-On, Add					\$398.29
						Installation	Quantity 11.00	x	Unit Price 28.27	x	Factor = 1.2808	Total 398.29

Contractor's Price Proposal - Detail Continues..

Work Order Number: 062091.01
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ELEC

29	26	24	16	00 0453	0387	MOD	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add								\$145.68	
						Installation	Quantity		Unit Price		Factor	=		Total		
							11.00	x	10.34	x	1.2808			145.68		
30	26	24	16	00 0454		EA	3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity								\$24.82	
						Installation	Quantity		Unit Price		Factor	=		Total		
							0.00	x	206.05	x	1.2808			0.00		
						Demolition	1.00	x	19.38	x	1.2808	=		24.82		
							DEMO AND NEW BREAKERS 70-100 AMP 3 POLE									
31	26	24	16	00 0635		EA	Remove And Reinstall Breaker, 1-2-3 Pole, Any Amperage								\$1,364.82	
						Installation	Quantity		Unit Price		Factor	=		Total		
							36.00	x	29.60	x	1.2808			1,364.82		
							REMOVE AND REINSTALL EXISTING BREAKERS FOR REWIRING									
32	26	24	16	00 0635	0387	MOD	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add								\$387.31	
						Installation	Quantity		Unit Price		Factor	=		Total		
							36.00	x	8.40	x	1.2808			387.31		
33	26	24	19	00 0868		EA	15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker								-\$1,037.76	
						Installation	Quantity		Unit Price		Factor	=		Total		
							-24.00	x	33.76	x	1.2808			-1,037.76		
							CREDIT FROM ORIGINAL PROPOSAL									
34	26	24	19	00 0869		EA	60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker								-\$6,968.96	
						Installation	Quantity		Unit Price		Factor	=		Total		
							-70.00	x	77.73	x	1.2808			-6,968.96		
							CREDIT FROM ORIGINAL PROPOSAL									

Subtotal for ELEC

\$20,083.06

HVAC

35	01	22	16	00	0002	EA	Reimbursable Fees Reimbursable Fees will be paid to the contractor for eligible costs. The base cost of the Reimbursable Fee is \$1.00. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.						-12,256.00	
						Installation	Quantity		Unit Price		Factor		Total	
							-12,256.00	x	1.00	x	1.0000	=	-12,256.00	
						CARRIER CREDIT FOR REVISED EQUIPMENT								
36	23	09	23	00	0041	EA	Install And Wire Electric Heat Or Sequencer						\$6,575.11	
						Installation	Quantity		Unit Price		Factor		Total	
							48.00	x	106.95	x	1.2808	=	6,575.11	
						INSTALL HEAT STRIPS								
37	23	09	23	00	0490	EA	Transformer 120/24 40 VA (Trane X13550284010)						\$1,545.29	
						Installation	Quantity		Unit Price		Factor		Total	
							19.00	x	63.50	x	1.2808	=	1,545.29	
						TRANSFORMERS FOR 3-PHASE UNITS								

Contractor's Price Proposal - Detail Continues..

Work Order Number: 062091.01

Work Order Title: Collin County - HVAC Replacement Supplemental 1

HVAC

38	23	09	23	00	0842	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)				\$3,760.53
							Quantity	Unit Price	Factor	Total	
Installation							28.00	x 104.86	x 1.2808	= 3,760.53	
START ASSIST CAPACITOR & RELAY											

Subtotal for HVAC	-\$375.07
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Proposal Total	\$19,707.99
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This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.



Subcontractor Listing

Date: May 13, 2019

Re: IQC Master Contract #: 520-16 Area F - CCE
Work Order #: 062091.01
Owner PO #:
Title: Collin County - HVAC Replacement Supplemental 1
Contractor: Centennial Contractors
Proposal Value: \$19,707.99

Name of Contractor	Duties	Amount	%
No Subcontractors have been selected for this Work Order		\$0.00	0.00