

□ CORPORATE OFFICE

3390 TRAVIS POINTE RD, SUITE A ANN ARBOR, MI 48108 (313) 996-9500, FAX: (313) 996-8480

□ REGIONAL OFFICE

4485 Enterprise Ave Naples, FL 34104 (239) 774-3130

PROPOSAL

General Services Contract

O:	City of Key West	
	P.O. Box 1409	JOB NAME: VFD FP-3-1 KW Sewer Plant
	Key West, FL 33040	
	Attn. Ian McDowell	DATE: July 28, 2022

Original Scope: Demo & remove existing VFD & Tranformer, install new VFD & Tranformer (owner supplied) and provide & install new FP-3-1 control panel

QUANTITY	UNIT	DESCRIPTION	PRICE	AMOUNT
		Additional Work to Install Transformer & VFD		
10	HR	Superintendent	\$ 95.00	\$ 950.0
122	HR	Electrician Plus 5% markup	\$ 95.88	\$ 11,696.8
1	LS	Material, terminal block, wire, conduit, hanger, fasters etc. cost plus 15 %	\$ 14,503.42	14,530.4
1	LS	Travel time, room & board	\$ 10,661.94	\$ 10,661.9
		Subtotal - Cost of Construction		
		Additional Scope of Work Due to Unforeseen Conditions		
		Subtotal - Cost of Construction		\$ 37,839.
		Bond \$18.00 Per \$1,000.00		\$ 681.
		Subtotal - Cost of Construction		\$ 38,520.
		GCs, Mobilization / Demobilization and MOT at 5%		\$ 1,926.
		TOTAL PRICE		\$ 40,446.

Gulf States Electric, LLC.

5933 Youngquist Rd Ft Myers, FL 33912 State Certified EC 13003707 Industrial Electrical Contractor

Phone (239) 263-7137

July 15, 2022

Key West VFD Replacement

Additional Unforeseen Conditions

Douglas N. Higgins, Inc.

Attn. Mike LoBello

I have prepared a proposal to complete additional work needed to install the new VFD and Pulse Transformer. See attached documentation with explanation.

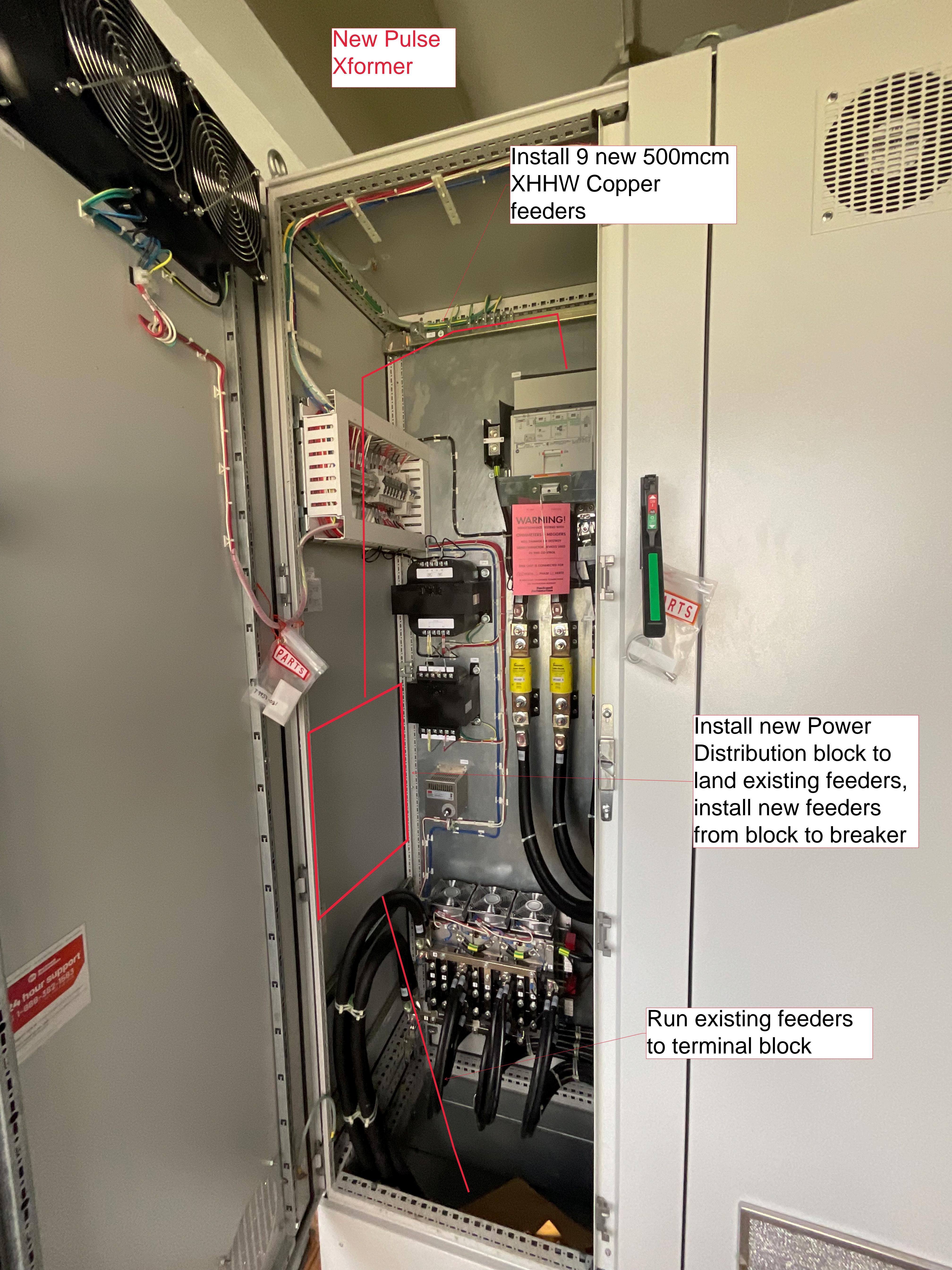
- 1) The existing feeders from the electric room to the existing iso transformer are not long enough. See pic#1 a. Advised solution would be to install a terminal block in the new pulse transformer. See pic#2 b. Note* If a terminal block is not acceptable then we will have to replace the feeders (very expensive).
- 2) We cannot reuse the wire from the existing iso. transformer to the existing VFD because the new pulse transformer feeds the new VFD through four high stranded 1000 volt DC cable. Factory cables are not long enough.
 - a. Solution, we are going to have to purchase new 1000v DC Cable. See pic#3
- 3) The conduit arrangement above the existing VFD will not fit in the new VFD window. See pic#4 a. Solution, cut the conduit close to the ceiling and install grounding bushing and free wire to the new VFD window. (as done previously) We will have to install "C" condilets to accommodate pulling wire back. See pic#5

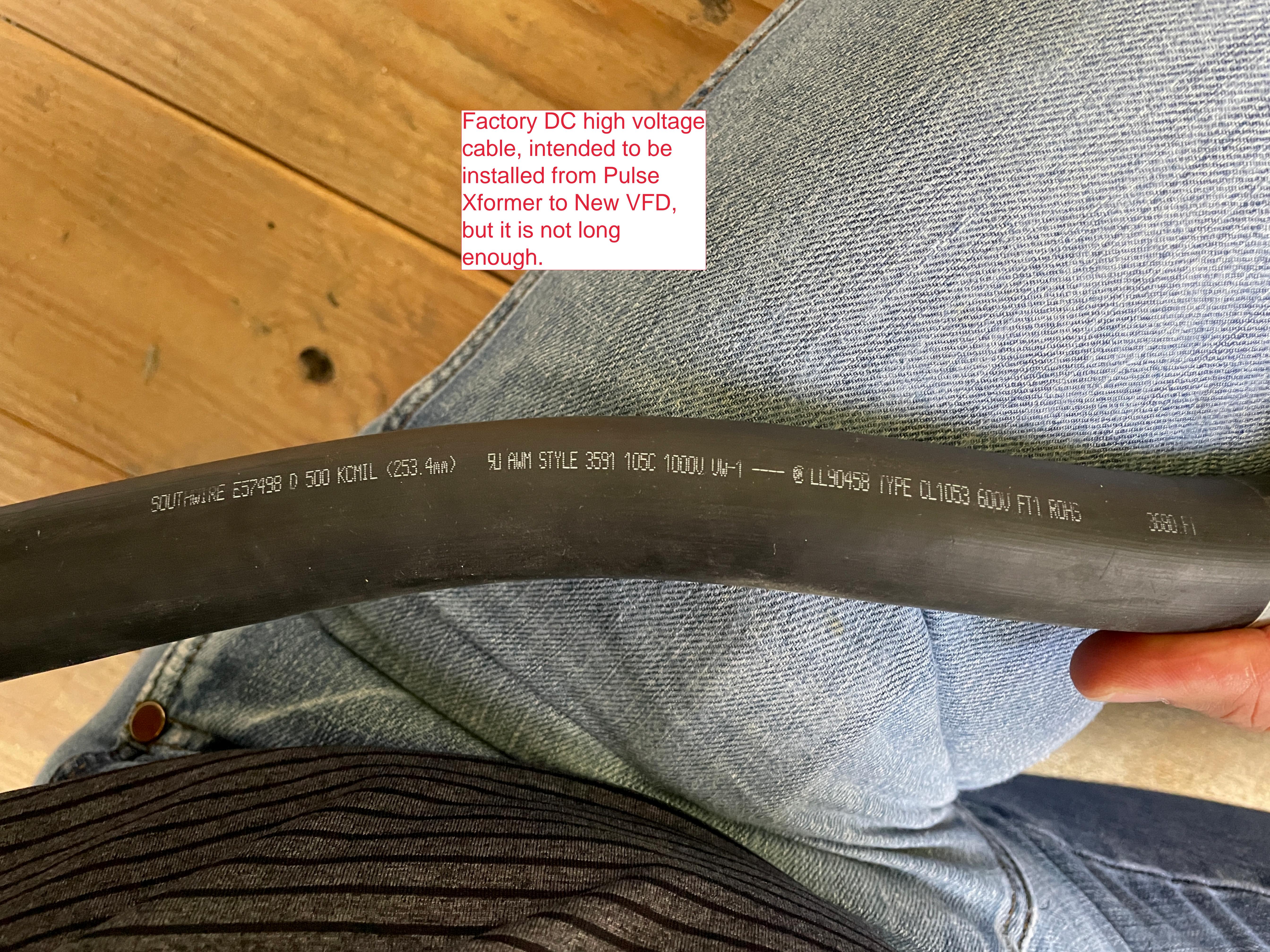
\$12,635.15 Material \$11,139.87 Labor \$10,661.94 Travel Time, Room, & Board \$34,436.96 TOTAL

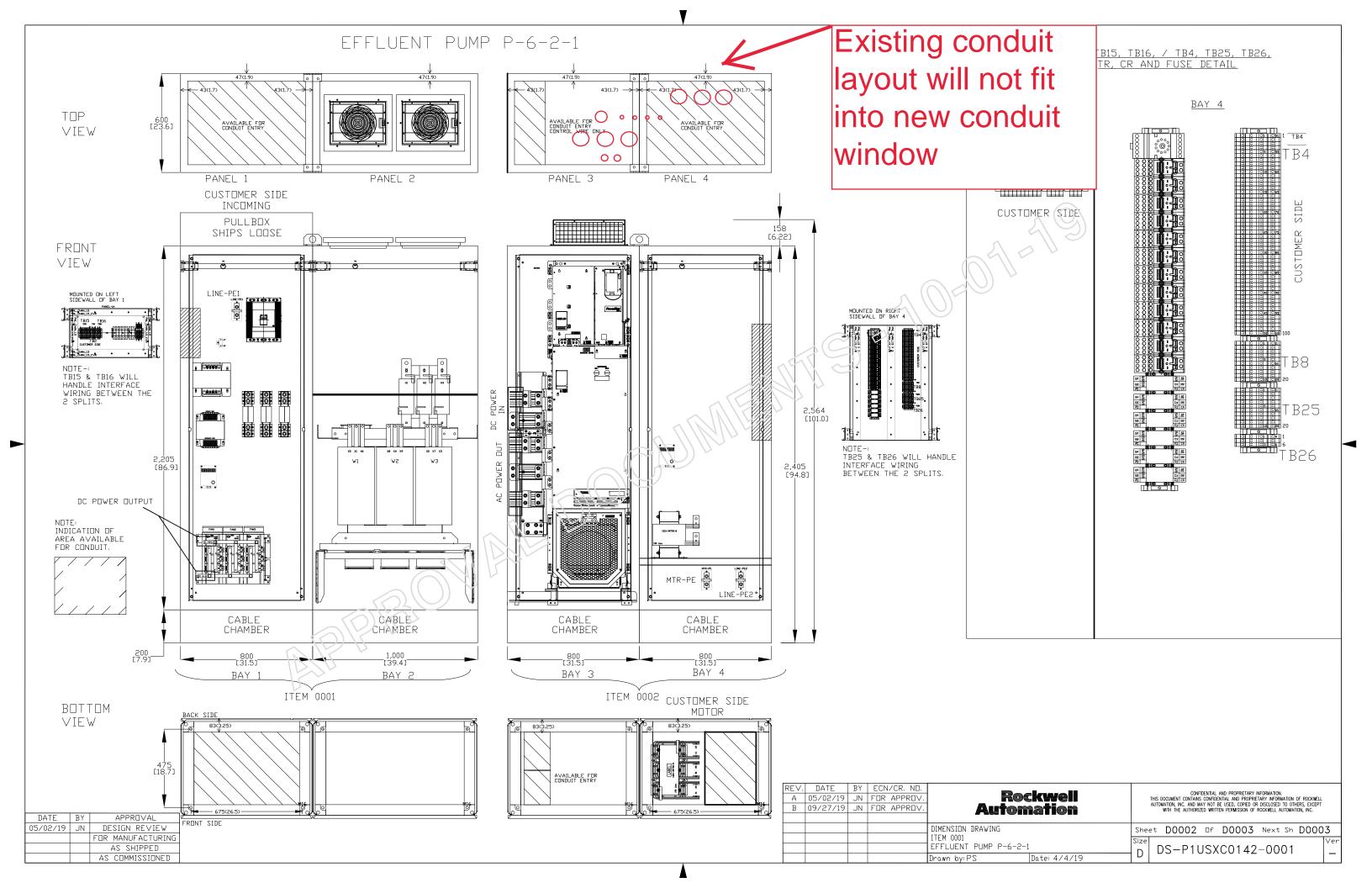
Thank you for your time and consideration, please call me if you have any questions regarding this quotation.

Brad Hamm Estimator/Project Manager Gulf States Electric, Inc. 239-263-7137 x 201













Job ID: JOB-0105

Tax Rate status: Bid

Key West VFD Additions Project:



Bid Template: GSE

Bid Summary Report

15 Jul 2022 11:00:53 Vendor: TRADE/3-COL Labor Level: LABOR 3

Bid Name: BASE BID

Drawing	Phase	Quote \$	Material \$	Equip \$	SubCon \$	Labor Hrs
	HVAC & MOTORS	0.00	8,108.55	0.00	0.00	101.66
	CABLE TRAY	3,700.00	0.00	0.00	0.00	0.00
	Sheet Totals:	3,700.00	8,108.55	0.00	0.00	101.66
	Tax:	259.00	567.60	0.00	0.00	

Bid Notes:

TAX RATES 7.0000% Material: 7.0000% Quote: 0.0000% Labor: 7.0000% **Equipment:** Subcontract: 0.0000% 0.0000% Job:

MISCELLANEOUS 78.78 Avg. Lbr. Rate (Cost): 86.66 Avg. Lbr. Rate (Bid): 1.00 **Total Square Feet:**

34,436.97 Cost Per Sq. Ft.: 8,009.24 Labor \$ Per Sq. Ft.: 101.66 Labor Hrs Per Sq. Ft.: 1.00 **Quantity of Units:** 34,436.97 **Cost Per Unit:** 0.00% Calc. Adjustment:

11,808.55 Sub Total (Quo/Mat/Equip/Sub): 826.60 Sales Tax: 12,635.15 12,635.15 Sub Total: 8,009.24 Direct Labor \$: 1,983.36 Indirect Labor \$: 0.00 **Labor Escalation:** 0.00 Labor Tax: 8,678.58 Direct Job Costs (25.20%): 31,306.34 **Prime Cost:** 0.00 Overhead (Avg. 0.00%): 31,306.34 Net Cost:

> 3,130.63 Profit (Avg. 10.00%): 0.00 Job Tax: 0.00 Bond (0.0000%): 0.00 Lump Sum: 34,436.97 Selling Price:

Job ID: JOB-0105

Project: Key West VFD Additions



0.00

Bid Subtotal Report

Vendor: TRADE/3-COL Labor Level: LABOR 3 15 Jul 2022 11:02:22 Tax Rate status: Bid Bid Name: BASE BID **Bid Template: GSE Labor Result** Subtotal **Material** M-Factor Mat Result Labor L-Factor Quote **Q-Factor Quote Result** RIGID FITTINGS 2,436.80 1.0000 2,436.80 46.38 1.0000 46.38 0.00 1.0000 0.00 HANGERS/SUPPORTS 87.29 1.0000 87.29 3.60 1.0000 3.60 1.0000 0.00 0.00 LIQUIDTITE 120.00 120.00 3.60 3.60 0.00 1.0000 0.00 1.0000 1.0000 XHHW CU 3,010.45 1.0000 3,010.45 6.48 1.0000 6.48 0.00 1.0000 0.00 5/15KV CABLE 0.00 1.0000 0.00 9.00 1.0000 9.00 0.00 1.0000 0.00 320.00 WIRE TERMINATIONS 1.0000 320.00 4.00 1.0000 4.00 0.00 1.0000 0.00 MISCELLANEOUS ITEMS 1,794.02 1.0000 1,794.02 25.00 1.0000 25.00 0.00 1.0000 0.00 FLEX COND FITTINGS 340.00 1.0000 340.00 3.60 1.0000 3.60 0.00 1.0000 0.00

8,108.55

Gulf States Electric, Inc.

4585 Progress Ave. Suite #2 Naples, FL 34104 **Phone:** 239-263-7137

101.66

Web: