

Date: 1-5-26

Region: 4A

FAC ID: PA063

FEMS/CSS No.: 3366403

Maximo WO No.: 20933

Asset #:

Priority: 2



**Original Work Request:**

Repair all VAV to run correctly w/ the current JACE. Install floor plans on reflow graphics as they were not finished. Reflow was installed on the JACE w/ some bare floor plans, but that was about it. Replace KMC controllers w/ Honeywell Optimizer Unitary controllers for AHU serving offices. Reuse existing CAT 6 cabling. Intall T1L line to VAVs having Honeywell Excel 10 VAVs that are on LON (~9 controllers). Replace KMC controllers w/ unit heaters/AHUs in Drill Hall w/ Optimizer Unitary controllers. Install graphics for furnace in OMS Bldg and new controller for same furnace.

**Description of Repairs Needed:**

Proposal for HVAC controls installation. Disconnect and remove KMS branded controllers from the existing BAS and LON works Honeywell VAV controllers. Provide install program and integrate into BAS control system new controllers. Complete reflow graphics package per EBCS standards. Existing control/network cabling, equipment sensors, field devices power devices and control panels to be reused, unless otherwise noted. Contractor anticipates 3 months to complete.

Labor:	Labor Hrs	Labor Rate	Total
Techs (multiple)	178	\$ 126.00	\$ 22,428.00
System Integrator	200	\$ 145.00	\$ 29,000.00
Travel Expenses	1	\$ 20,250.00	\$ 20,250.00
			\$ -

Material List:	Quantity	Cost	Total
Optimizer Unitary IP Large	5	\$ 1,112.00	\$ 5,560.00
Optiimizer VAV T1L	9	\$ 546.00	\$ 4,914.00
TC300 MSTP	1	\$ 321.00	\$ 321.00
TR24	3	\$ 128.00	\$ 384.00
TR23	9	\$ 134.00	\$ 1,206.00
T1L Routeer	1	\$ 375.00	\$ 375.00
Control Wire	1	\$ 841.00	\$ 841.00
			\$ -

Equipment List:	Quantity	Cost	Total
Truck (\$/day)	23	\$ 56.00	\$ 1,288.00
Man Lift	1	\$ 2,250.00	\$ 2,250.00
			\$ -

**PM WO History:**

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**Estimate Summary:**

Labor	Material	Equipment
\$71,678.00	\$13,601.00	\$3,538.00

Sub Total	G&A 12%	Fee 6%	Total Estimate
\$88,817.00	\$10,658.04	\$5,329.02	\$104,804.06