

Date: 10/24/2023

Region: 4A
FAC ID: NY070

CSS No.: 95244
Maximo WO No.: 14093

Asset #: NA

Priority: Routine



Original Work Request:

Training Building 1. All mixed air damper actuators mounted on an angle to the damper shaft. All actuators loosened with time. Replacement actuators that mount squarely to shafts required. 2. Integrate transfer fans 1,3,4,5 into the controls system. Install a current switch and associated wiring to a controller. So, the status of these transfer fans serving electrical and IT rooms can be monitored. OMS Building: Gas detection sensors for work-bay ventilation need calibration. Gas detection panel LCD readouts do not show any readings for NOx, CO, and building pressure panel is no longer functioning and requires replacement. ERV-1 outdoor fan shows no status Current sensing relay shows water damage. requires replacement.

Description of Repairs Needed:

Labor and material to a.) Provide and install replacement mixing damper actuators with shaft extensions/ adapters for AHUs 1-4 b.) Provide and install wiring and field devices to include all programming and integrate into existing control system c.) Provide and install (2) new CO sensor elements d.) Provide and install (2) new e.) Provide and install (3) new LCD readouts for gas detection panel f.) Provide and install new current sensing g.) Provide and install replacement VFD. h.) Integrate replacement VFD into existing control system

Labor:

	Labor Hrs	Labor Rate	Total
Technician	56	\$ 109.50	\$ 6,132.00
Controls Technician	67	\$ 130.00	\$ 8,710.00

Material List:

	Quantity	Cost	Total
Misc Material (Please see backup)	1	\$ 9,444.00	\$ 9,444.00
Truck Charges	1	\$ 880.00	\$ 880.00

Equipment List:

	Quantity	Cost	Total
		\$ -	-
		\$ -	-
		\$ -	-

PM WO History:

NA

Estimate Summary:

Labor	Material	Equipment
\$14,842.00	\$ 10,324.00	\$0.00

Sub Total	G&A 12%	Fee 6%	Total Estimate
\$25,166.00	\$3,019.92	\$1,509.96	\$29,695.88



GREATER NIAGARA MECHANICAL, INCORPORATED

7311 WARD ROAD ☞ NORTH TONAWANDA, NEW YORK 14120

PHONE 716.695.3600 ☞ FAX 716.695.3700

Tidewater, Inc.
5835 Avenida Encinas
Suite 118
Carlsbad, CA 92008
Attn: Karlee Demain

10/24/2023

RE: Webster USARC Controls Repairs

Karlee,

We, at Greater Niagara Mechanical, Inc., are pleased to offer the following scope of work and pricing for your review. Please see the following breakdown on the controls issues requiring repairs that we have found during our controls system reintegration project.

Tech rate \$109.50/hr, Controls Tech Rate \$130.00/hr, truck charge \$55/8hr day

Item	Qty	Description	Labor	Material	Total
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Training Building

1		AHU mixing damper actuators misaligned and loose	\$4,052.00	\$2,932.00	\$6,984.00
	(4)	Provide and install replacement mixing damper actuators with shaft extensions/ adapters for AHUs 1-4			
	(16)	Technician hours	\$1,752.00		
	(16)	Controls technician hours	\$2,080.00		
	(4)	Truck charges	\$220.00		
2		Integrate transfer fans 1,3,4,5	\$6,078.00	\$1,777.00	\$7,855.00
	(1)	Provide and install wiring and field devices			
	(1)	Programming and integration onto existing control system			
	(24)	Technician hours	\$2,628.00		
	(24)	Controls technician hours	\$3,120.00		
	(6)	Truck charges	\$330.00		

OMS Building

3		Gas detection sensors for work-bay ventilation	\$2,026.00	\$1,363.00	\$3,389.00
	(2)	Provide and install new CO sensor elements			
	(2)	Provide and install new NOx sensor elements			
	(8)	Technician hours	\$876.00		
	(8)	Controls technician hours	\$1,040.00		
	(2)	Truck charges			
			\$110.00		

Item	Qty	Description	Labor	Material	Total
4		Gas detection panel no LCD readout	\$1,095.00	\$860.00	\$1,955.00
	(3)	Provide and install new LCD readouts for gas detection panel			
	(8)	Controls technician hours	\$1,040.00		
	(1)	Truck charge	\$55.00		
5		ERV-1 no longer showing status	\$705.00	\$291.00	\$996.00
	(1)	Provide and install new current sensing relay			
	(5)	Controls technician hours	\$650.00		
	(1)	Truck charge	\$55.00		
6		ERV-1 outdoor air VFD no longer communicating	\$1,766.00	\$2,221.00	\$3,987.00
	(2)	Provide and install new VFD			
	(2)	Integrate replacement VFD onto existing control system			
	(8)	Technician hours	\$876.00		
	(6)	Controls technician hours	\$780.00		
	(2)	Truck charges	\$110.00		
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TOTAL \$15,722.00 \$9,444.00 \$25,166.00					

HVAC Control Exclusions

- All taxes
- Overtime work

Please feel free to contact us with any questions.

Sincerely,

Charles Dowd

