

Date: 7/27/2023

Region: 4A  
FAC ID: NY030

CSS No.: 93606  
Maximo WO No.: 13006

Asset #: NA

Priority: Routine



**Original Work Request:**

Bleed air from HVAC lines in the facility. The system is air locked, causing the cooled/heated water to not circulate in the system. This causes areas to not be cooled/heated properly.  
All first floor FTUs are showing little to no change of discharge air temperature in heating or cooling operation.  
Control valves on the FTUs have been tested and confirmed to be operable. It is likely that the first floor dual temp water loop is air bound and will need to be bled. The second floor FTUs show more reasonable changes in discharge temperature, but is recommended to be bled as well. The discharge fans in FTUs 2 (Rm B112), 10 (Rm 101A), and 19 (Rm 205) are not starting

**Description of Repairs Needed:**

Labor and material to a.) Send one controls technician to spend (3) 8-hour days (in-town overnight) and two service techs to: b.) Check flow on 1st and 2nd floor uni-vents (25 total) c.) Bleed air and check operation of control valves d.) Document any other controls or mechanical issues requiring replacement or repair.

**Labor:**

	Labor Hrs	Labor Rate	Total
Technician	50	\$ 109.50	\$ 5,421.00
Controls Tech	24	\$ 130.00	\$ 3,120.00

**Material List:**

	Quantity	Cost	Total
Truck Charge	3	\$ 55.00	\$ 165.00
Truck Charge	3	\$ 55.00	\$ 165.00
Bleeder fittings/caps/misc	1	\$ 20.00	\$ 20.00
Hotel/meals for 2 nights	1	\$ 1,500.00	\$ 1,500.00
		\$	-

**Equipment List:**

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

**PM WO History:**

NA

**Estimate Summary:**

Labor	Material	Equipment
\$8,541.00	\$1,850.00	\$0.00

Sub Total	G&A 12%	Fee 6%	Total Estimate
\$10,391.00	\$1,246.92	\$623.46	\$12,261.38



**GREATER NIAGARA**  
*Mechanical, Inc.*

**GREATER NIAGARA MECHANICAL, INCORPORATED**

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July 27, 2023

Quote 23-201rev

US Army Reserve Center  
3126 Upper Lake Road  
Horseheads, NY 14845-3103

**RE: HORSEHEADS FLOW CHECK AND AIR BLEED**

We, at Greater Niagara Mechanical, Inc., are pleased to offer the following scope of work and pricing for your review:

**HVAC Controls Scope**

- Send one controls technician to spend (3) 8-hour days (in-town overnight) and two service techs to:
  - Check flow on 1<sup>st</sup> and 2<sup>nd</sup> floor uni-vents (25 total)
  - Bleed air and check operation of control valves
  - Document any other controls or mechanical issues requiring replacement or repair

**All the above for..... \$ 10,391.00**

Control Tech .....	\$130/hr and \$55.00 day truck charge.....	\$3,285.00
Service Tech.....	\$109.50/hr and \$55.00 day truck charge.....	\$5,586.00
Bleeder fittings/caps/misc.....		\$20.00
Hotel/meals for 2 nights.....		\$1,500.00

**HVAC Exclusions**

- Shift or premium time
- Repair parts
- Tax
- Any items not covered in above scope

Thank you for the opportunity to quote the above-mentioned project! Please feel free to contact us with any questions.

Sincerely,

Christopher Sembert  
Greater Niagara Mechanical