Mechanical • HVAC Services • Electrical • 24 Hour Response T 905.670.7015 F 905.670.7019 www.smithandlong.com

Work Order # 159892 Details			
Call Type	PreventiveMaint		
Caller	Vito La Mastra		
Date Created 2020-08-04			
Purchase Order	PO# 01577		
Job#	S003568		
Date Completed	Aug. 13, 2020 - 3:41:25 p.m.		

Site Information	Billing Information
103 McNiven Road / HWDSB Rousseau Hamilton Wentworth District School Board	
103 McNiven Road	20 Education Court
Ancaster, ON L9G 3T7	Hamilton, ON L9A 0B9
Phone: (000)000-0000	

Work Requested

- o Check for particulate accumulation on filters, replace filter as needed if material is already on-site. Verify filters are sized and installed correctly. Clean and remove louver obstructions.
- Check all motors and fans operate correctly. Grease/oil as required.
- Check belts are tight and in good condition.

Replace as required.

- Check variable-frequency drive for proper operation.
- o Check drain pans for cleanliness and proper slope. Check P-trap on drain pan for proper operation. Clean as required.
- Verify control dampers operate properly.
- o Confirm equipment is bringing in outdoor air and removing exhaust air as intended.

Equipment Name: Servi-HVAC	Model:
Manufacturer:	Serial Number:

Work Requested

- o Check for particulate accumulation on filters, replace filter as needed if material is already on-site. Verify filters are sized and installed correctly. Clean and remove louver obstructions.
- Check all motors and fans operate correctly. Grease/oil as required.
- Check belts are tight and in good condition.

Replace as required.

- o Check variable-frequency drive for proper operation.
- o Check drain pans for cleanliness and proper slope. Check P-trap on drain pan for proper operation. Clean as required.
- o Verify control dampers operate properly.
- o Confirm equipment is bringing in outdoor air and removing exhaust air as intended.

Work Performed

Aug. 12, 2020

Arrived on site- Met with maintenance staff.

Equipment list provided to S and L not accurate.

Added all pieces of equipment as needed

Equipment Name: Window A/C Model: n/a
Manufacturer: Comfort-Aire Serial Number: n/a

Work Performed

Aug. 12, 2020

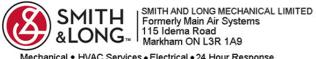
Set up ladder to unit- removed filters and cleaned, re-installed filter. Found no power at outlet serving unit. Traced conduit back through hallway- located contactor controlling unit- found line voltage present, but coil of contactor not powered. Traced control wiring back to storage closet 135.

Located Siemens Apogee Automation controller- found controller not outputting power to energize contactor coil. Tried re-setting controller- still not powering contactor coils.

Apogee controller input Voltage present (24VAC), but not outputting power to contactor.

Will inform HWDSB of findings.

Equipment Name: Window A/C Model: n/a



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Manufacturer: Comfort-Aire

Serial Number: n/a

Work Performed

Aug. 12, 2020

Set up ladder to unit- removed filters and cleaned, re-installed filter. Found no power at outlet serving unit. Traced conduit back through hallway- located contactor controlling unit- found line voltage present, but coil of contactor not powered. Traced control wiring back to storage closet 135.

Located Siemens Apogee Automation controller- found controller not outputting power to energize contactor coil. Tried re-setting controller- still not powering contactor coils.

Apogee controller input Voltage present (24VAC), but not outputting power to contactor.

Will inform HWDSB of findings.

Equipment Name: Condenser- main office Model: worn off

Manufacturer: Sanyo- Flexi Multi Inverter Serial Number: worn off

Work Performed

Aug. 12, 2020

Inspected condenser coil- found to be ok. Connected gauges and monitored system pressures- found all to be operational at this time.

Equipment Name: Ductless Evap Model: KMS0972

Manufacturer: Sanyo Serial Number: 00082062

Work Performed

Aug. 12, 2020

Removed filters and cleaned, re-installed.

Turned unit on at remote thermostat- tested operation- found all to be operational at this time.

Equipment Name: Ductless Evap Model: KMS0972

Manufacturer: Sanyo Serial Number: 00082762

Work Performed

Aug. 12, 2020

Removed filters and cleaned, re-installed.

Turned unit on at remote thermostat- tested operation- found all to be operational at this time.

Equipment Name: Window A/C Model: RAD-243-5-E

Manufacturer: Comfort-Aire Serial Number: BU225058047Y

Work Performed

Aug. 12, 2020

Removed filters and cleaned, re-installed.

Turned unit on- tested operation- found all to be operational at this time.

Equipment Name: ChangeAir A/C Model: NPA-60-1800-C-B

Manufacturer: ChangeAir Serial Number: 1802 0166J



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Work Performed

Aug. 12, 2020 Replaced filters with in site inventory-

4 of 20x20x1pl

Found condensate drain line plugged, pan overflowing and spilling into unit.

Disconnected drain hose outside and cleared line with nitrogen. Filled pan with warm water and flushed out. Continued process multiple times until drain pan was clean and draining properly.

Mopped up water around unit.

Jumpered A/C and tested operation- found all to be operational at this time.

Model: LGC150S2BM2J **Equipment Name: Gym RTU- Lennox** Manufacturer: Lennox Serial Number: 5605H05301

Work Performed

Aug. 12, 2020

Unit in rough condition.

Found condenser fan shrouds disfigured- each hanging on by 1 screw, most screw holes stripped. Bent shrouds back to normal condition, drilled all new holes to re-attach shrouds properly.

Blower belt should be replaced. Adjusted belt tension for time being.

Belt- 1 of BX55

Filters clean- 4 of 18x24x2"pl

Evaporator coil very dirty- should be cleaned.

Both compressor crankcase heaters are defective.

Connected gauges- Tested A/C operation- suction pressure slightly low on both compressors- possible due to condition of evaporator. Should be retested after evap cleaning.

All rooftop gas piping should be painted to.meet code.

Equipment Name: Exhauster Model: G-123-V6-5-X

Manufacturer: Greenheck Serial Number: 12600403 1109

Work Performed

Aug. 12, 2020

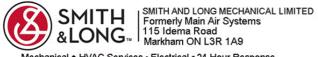
Located controller inside- turned to max output- Tested D.D. fan operation- found all to be operational.

Equipment Name: Exhauster Model: G-143-V6-7-X Manufacturer: Greenheck Serial Number: 12600406 1109

Work Performed

Aug. 12, 2020

Located controller inside- turned to max output- Tested D.D. fan operation- found all to be operational.



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Equipment Name: Exhauster Model: G-123-V6-5-X

Manufacturer: Greenheck Serial Number: 12600399 1109

Work Performed

Aug. 12, 2020

Located controller inside- turned to max output- Tested D.D. fan operation- found all to be operational.

Equipment Name: Exhauster Model: G-123-V6-5-X

Manufacturer: Greenheck Serial Number: 12600404 1109

Work Performed

Aug. 12, 2020

Located controller inside- turned to max output- Tested D.D. fan operation- found all to be operational.

Equipment Name: Exhauster Model: G-085-V6-4-X

Manufacturer: Greenheck Serial Number: 12600396 1109

Work Performed

Aug. 12, 2020

Located controller inside- turned to max output- Tested D.D. fan operation- found all to be operational.

Equipment Name: Exhauster Model: G-123-V6-5-X

Manufacturer: Greenheck Serial Number: 12600401 1109

Work Performed

Aug. 12, 2020

Fan running upon arrival- Inspected operation- found all to be ok.

Equipment Name: Exhauster Model: G-085-V6-4-X

Manufacturer: Greenheck Serial Number: 12600397 1109

Work Performed

Aug. 12, 2020

Located controller inside- turned to max output- Tested D.D. fan operation- found all to be operational.

Equipment Name: Exhauster Model: G-123-V6-5-X

Manufacturer: Greenheck Serial Number: 12600402 1109

Work Performed

Aug. 12, 2020

Located controller inside- turned to max output- Tested D.D. fan operation- found all to be operational.

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Equipment Name: Exhauster Model: G-123-V6-5-X Serial Number: 12600405 1109 Manufacturer: Greenheck

Work Performed

Aug. 12, 2020

Fan running upon arrival- Inspected D.D. fan operation- found all to be ok.

Model: G-123-V6-5-X **Equipment Name: Exhauster** Manufacturer: Greenheck Serial Number: 12600400 1109

Work Performed

Aug. 12, 2020
Located controller inside- turned to max output- Tested D.D. fan operation- found all to be operational.

Model: G-123-V6-5-X **Equipment Name: Exhauster** Manufacturer: Greenheck Serial Number: 12649188 1110

Work Performed

Aug. 12, 2020

Located controller inside- turned to max output- Tested D.D. fan operation- found all to be operational.

Model: G-085-V6-4-X **Equipment Name: Exhauster** Manufacturer: Greenheck Serial Number: 12600398 1109

Work Performed

Aug. 12, 2020 Found fan running upon arrival- Inspected D.D. fan operation- found all to be ok.

		Summary				
Labor Detail						
Technician	Equipment	Labor Type Id	Date		Hours	
Thomas Herridge	SV-HVAC	MECH	2020-08-12		7	
				Total	7	
		Material / Misc / Flat Rate D	Details			
Equipment	Item	Description				Quantity
A/C Rm 103	*Non-inventory*	nitrogen- Thomas truck stock				1

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Customer Signature

NA

Customer Name: n/a

This receipt may not reflect all applicable charges due to Smith & Long, and should not be considered as final. Final charges will be as detailed on your invoice sent following this service call.

Location Upon Signature