



**SMITH & LONG**

SMITH AND LONG MECHANICAL LIMITED  
Formerly Main Air Systems  
115 Idema Road  
Markham ON L3R 1A9

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

**Work Order # 159892 Details**

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

**Site Information**

**103 McNiven Road / HWDSB Rousseau**  
103 McNiven Road  
Ancaster, ON L9G 3T7  
Phone: (000)000-0000

**Billing Information**

**Hamilton Wentworth District School Board**  
20 Education Court  
Hamilton, ON L9A 0B9

**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.
  - o Check all motors and fans operate correctly. Grease/oil as required.
  - o 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.

**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.
  - o Check all motors and fans operate correctly. Grease/oil as required.
  - o 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  
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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.

**Equipment Name: Gym RTU- Lennox**

**Model: LGC150S2BM2J**

**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**  
**Manufacturer: Greenheck**

**Model: G-123-V6-5-X**  
**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**  
**Manufacturer: Greenheck**

**Model: G-123-V6-5-X**  
**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**  
**Manufacturer: Greenheck**

**Model: G-085-V6-4-X**  
**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**  
**Manufacturer: Greenheck**

**Model: G-123-V6-5-X**  
**Serial Number: 12600401 1109**

**Work Performed**

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

**Equipment Name: Exhauster**  
**Manufacturer: Greenheck**

**Model: G-085-V6-4-X**  
**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**  
**Manufacturer: Greenheck**

**Model: G-123-V6-5-X**  
**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  
**Manufacturer:** Greenheck

**Model:** G-123-V6-5-X  
**Serial Number:** 12600405 1109

**Work Performed**  
Aug. 12, 2020  
Fan running upon arrival- Inspected D.D. fan operation- found all to be ok.

**Equipment Name:** Exhauster  
**Manufacturer:** Greenheck

**Model:** G-123-V6-5-X  
**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.

**Equipment Name:** Exhauster  
**Manufacturer:** Greenheck

**Model:** G-123-V6-5-X  
**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.

**Equipment Name:** Exhauster  
**Manufacturer:** Greenheck

**Model:** G-085-V6-4-X  
**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 Details

Equipment	Item	Description	Quantity
A/C Rm 103	*Non-inventory*	nitrogen- Thomas truck stock	1



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**Customer Signature**

N/A

**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](#)