



**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 # 159889 Details**

<b>Call Type</b>	PreventiveMaint
<b>Caller</b>	Michael Sokolowski
<b>Date Created</b>	2020-08-04
<b>Purchase Order</b>	PO# 01577
<b>Job #</b>	S003566
<b>Date Completed</b>	Aug. 28, 2020 - 10:27:41 a.m.

**Site Information**

**9149 Airport Road /HWDSB Mount Hope**  
9149 Airport Road  
Mount Hope, ON L0R 1W0  
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**

**Equipment Name: Exhauster1**

**Model: DX13Q**

**Manufacturer: PennBarry**

**Serial Number: J16RZ44288**

**Work Performed**

Aug. 28, 2020  
No power at roof.  
Located starter in ground floor maintenance office. Turned unit on. Fan D.D. Inspected and tested operation- found all to be operational at this time.

**Equipment Name: Exhauster2**

**Model: DX13Q**

**Manufacturer: PennBarry**

**Serial Number: J16RZ44289**

**Work Performed**

Aug. 28, 2020  
No power at roof.  
Located starter in gym storage room. Turned unit on. Fan D.D. Inspected and tested operation- found all to be operational at this time.



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<b>Equipment Name: Exhauster3</b>	<b>Model: DX11R</b>
<b>Manufacturer: PennBarry</b>	<b>Serial Number: J16RZ44290</b>

**Work Performed**  
Aug. 28, 2020  
No power at roof.  
Located starter in 2nd floor slop sink room. Turned unit on. Fan D.D. Inspected and tested operation- found all to be operational at this time.

<b>Equipment Name: Exhauster4</b>	<b>Model: DX16RGP</b>
<b>Manufacturer: PennBerry</b>	<b>Serial Number: D17AS56933</b>

**Work Performed**  
Aug. 28, 2020  
Fan D.D.  
Inspected and tested operation- found all to be ok.

<b>Equipment Name: Exhauster5</b>	<b>Model: CUBE-121-LMDG-QD</b>
<b>Manufacturer: Greenheck</b>	<b>Serial Number: 13717669 1406</b>

**Work Performed**  
Aug. 28, 2020  
Bearings not requiring lubrication.  
Inspected pulleys/and bearings- found to be ok.  
Belt in good condition, but lose. Adjusted motor as far as possible, but unit requires smaller belt.  
Unit operational,  
1 of 3L200 belt, needs smaller belt

<b>Equipment Name: Exhauster6</b>	<b>Model: DX13R</b>
<b>Manufacturer: PennBerry</b>	<b>Serial Number: L15AG16168</b>

**Work Performed**  
Aug. 28, 2020  
Fan D.D.  
Inspected and tested operation- found all to be ok.

<b>Equipment Name: Exhauster7</b>	<b>Model: GB-091-4X-QD-R2</b>
<b>Manufacturer: Greenheck</b>	<b>Serial Number: 14273561 15H</b>

**Work Performed**  
Aug. 28, 2020  
Bearings not requiring lubrication.  
Inspected pulleys/and bearings- found to be ok.  
Belt in good condition. Adjusted belt tension.  
Unit operational at this time.  
1 of 3L190R



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**Equipment Name: Exhauster8**

**Model: G-080-VG-4-X**

**Manufacturer: Greenheck**

**Serial Number: 12576017 1108**

**Work Performed**

Aug. 28, 2020  
Found line voltage at unit disconnect.  
0-10vDC low voltage control input (factory wired within motor) has never been connected to anything- therefore unable to run exhauster.  
Fan is D.D.

**Equipment Name: Exhauster9**

**Model: G-080-VG-4-X**

**Manufacturer: Greenheck**

**Serial Number: 12576018 1108**

**Work Performed**

Aug. 28, 2020  
Found no line voltage at unit disconnect. Searched area below exhauster for power source (kindergarten class), unable to locate. Also  
0-10vDC low voltage control input (factory wired within motor) has never been connected to anything- therefore would be unable to run  
exhauster.

Fan is D.D.

**Equipment Name: Exhauster10**

**Model: CUBE-101HP-5-X**

**Manufacturer: Greenheck**

**Serial Number: 13850299 1409**

**Work Performed**

Aug. 28, 2020  
Inspected condition of pulleys/bearings- found to be ok. Lubricated bearings.  
Belt worn and should be replaced.  
Adjusted belt tension.  
Unit operational at this time.  
1 of AP20 belt.

**Equipment Name: MUA**

**Model: DJE40/O**

**Manufacturer: Engineered Air**

**Serial Number: M17680 AHU-1**

**Work Performed**

Aug. 28, 2020  
Obtained keys to unlock padlocks for all access doors/disconnect to unit.  
R/A duct grate cover plugged with debris. Removed from unit and cleaned, re-installed.  
Lubricated bearings.  
Installed jumpers for testing purposes  
- tested heat wheel operation  
- tested operation of all damper motors  
- tested S/A fan and R/A fan operation at VFDs- both running at 60Hz.  
Filters in good condition  
8 of 16x25x2"pl  
4 of 16x25x4"pl  
1 of B70- good condition.  
1 of B57- belt cracked- Had custodial staff bring all spare belts up to roof- no spares for this fan. Belt needs to be replaced.



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**Summary**

**Labor Detail**

<b>Technician</b>	<b>Equipment</b>	<b>Labor Type Id</b>	<b>Date</b>	<b>Hours</b>
Thomas Herridge	SV-HVAC	MECH	2020-08-28	3.5
<b>Total</b>				<b>3.5</b>

**Material / Misc / Flat Rate Details**

<b>Equipment</b>	<b>Item</b>	<b>Description</b>	<b>Quantity</b>
MUA	*Non-inventory*	grease TH truck stock	1

**Customer Signature**

**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](#)