



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 # 159897 Details

Call Type	PreventiveMaint
Caller	Michael Sokolowski
Date Created	2020-08-04
Purchase Order	PO# 01577
Job #	S003572
Date Completed	Aug. 21, 2020 - 12:50:16 p.m.

Site Information

10 Lamoreaux St / HWDSB Strathcona
10 Lamoreaux Street
Hamilton, ON L8R 1V1
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. 21, 2020
Serviced all indoor equipment.
Set up extension ladder to low roof, serviced various equipment.

Equipment Name: R/A Fan 1

Model: 33 A/F TUBEAXIAL

Manufacturer: Sheldons

Serial Number: 845062-1

Work Performed

Aug. 21, 2020
Removed belt guard.
Checked condition of pulleys/bearings.
Lubricated motor/driven bearings. Removed belts and inspected- found to be ok, re-installed. Re-installed belt guard.
Turned on at starter and tested operation- found all to be operational at this time. Unit drawing 100% R/A.

Belts- 2 of A80 belts

Equipment Name: S/A Fan 1

Model: 36 A/F

Manufacturer: Sheldons

Serial Number: 845061



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Work Performed

Aug. 21, 2020
Removed belt guard.
Checked condition of pulleys/bearings.
Lubricated driven bearings. Removed belts and inspected- belts in good condition, but lose. Adjusted belt tension (no spares on site). Re-installed belt guard.
Bypassed BAS command at starter and tested operation- found all to be operational at this time.

When S/A fan powered, R/A fan also running. Unit drawing 100% R/A.
Belts- 2 of B85 belts

Equipment Name: Inline Exhauster

Model: SQ-95-V6-X

Manufacturer: Greenheck

Serial Number: 12168457 1007

Work Performed

Aug. 21, 2020
Bypassed BAS and tested operation- found all to be ok.
Exhauster D.D.

Equipment Name: AHU-1

Model: 170LP-2000 HEATING

Manufacturer: Sheldons

Serial Number: 845067-1

Work Performed

Aug. 21, 2020
Some filters installed backwards, corrected.
Inspected heating coil- found all to be ok.
Filters- 4 of 20x20x2"pl
12 of 20x24x2"pl
20x24x2" filters dirty- no extra filters on site
20x20x2" filters clean

Equipment Name: Ductless Cond1

Model: UH070CAV1

Manufacturer: Samsung

Serial Number:

Work Performed

Aug. 21, 2020
Corresponding Evaporator in alarm E2 03. Looked up service manual- Fault indicating communication error between inverter and Main Pba.
Removed cover of condenser and inspected all electrical/ communication wiring.
Getting 205VAC at condenser
0VDC at F1, F2 terminals.

Tightened all connections, reset condenser. Unable to get fault to clear. System standing pressure at 105psig.
Placed call with Samsung Tech. Support. Waiting on return phone call.



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Equipment Name: Ductless Cond 2

Model: UH070CAV1

Manufacturer: Samsung

Serial Number:

Work Performed

Aug. 21, 2020
Inspected condenser coil- found to be somewhat dirty. Tested operation- all operational at this time.
Suction pressure at 37degF SAT.

Equipment Name: Exhauster2

Model: 6-131-V6-X

Manufacturer: Greenheck

Serial Number: 12168406 1007

Work Performed

Aug. 21, 2020
Bypassed BAS and tested operation- found all to be operational at this time.
Exhauster D.D.

Equipment Name: Exhauster3

Model: 6-080-V6-X

Manufacturer: Greenheck

Serial Number: 12168407 1007

Work Performed

Aug. 21, 2020
Bypassed BAS and tested operation- found all to be operational at this time.
Exhauster D.D.

Equipment Name: Evap2

Model: CH070CAV1

Manufacturer: Samsung

Serial Number: Y2A0PAGZ300028Z

Work Performed

Aug. 21, 2020
Removed filters and cleaned, re-installed.
Tested A/C operation- found all to be operational at this time.

Equipment Name: Evap1

Model: CH070CAV1

Manufacturer: Samsung

Serial Number: Y2A0PAGZ300026B

Work Performed

Aug. 21, 2020
Removed filters and cleaned, re-installed.
Thermostat indicating E203 Fault- (see Cond 1 notes)

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Equipment Name: DuctlessCond3**Model: MH080FXCA4A****Manufacturer: Samsung****Serial Number:****Work Performed**

Aug. 21, 2020
Cleaned condenser coil.
Connected smart probes- checked system pressures with all indoor heads running in A/C mode- found all to be operational.

Equipment Name: Evap2 (Cond3)**Model: MH026FNCA****Manufacturer: Samsung****Serial Number:****Work Performed**

Aug. 21, 2020
Removed filters and cleaned, re-installed. Wiped down Evap head. Tested A/C operation- found all to be operational at this time.

Equipment Name: Evap2 (Cond3)**Model: MH026FNCA****Manufacturer: Samsung****Serial Number:****Work Performed**

Aug. 21, 2020
Removed filters and cleaned, re-installed. Wiped down Evap head. Tested A/C operation- found all to be operational at this time.

Equipment Name: Evap3 (Cond3)**Model: MH026FNCA****Manufacturer: Samsung****Serial Number:****Work Performed**

Aug. 21, 2020
Removed filters and cleaned, re-installed. Wiped down Evap head. Tested A/C operation- found all to be operational at this time.

Equipment Name: Evap4 (Cond3)**Model: MH026FNCA****Manufacturer: Samsung****Serial Number:****Work Performed**

Aug. 21, 2020
Removed filters and cleaned, re-installed. Wiped down Evap head. Tested A/C operation- found all to be operational at this time.

Summary**Labor Detail**

Technician	Equipment	Labor Type Id	Date	Hours
Thomas Herridge	SV-HVAC	MECH	2020-08-21	5
Total				5

Material / Misc / Flat Rate Details

Equipment	Item	Description	Quantity
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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](#)