



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 # 159878 Details

Call Type	PreventiveMaint
Caller	Vito La Mastra
Date Created	2020-08-04
Purchase Order	PO# 01577
Job #	S003556
Date Completed	Aug. 20, 2020 - 6:21:33 a.m.

Site Information

374 Jerseyville Road West/HWDSB Ancaster
374 Jerseyville Road West
Ancaster, ON L9G 3K8
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

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 - 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. 10/18, 2020

Arrived on site- Met with on site maintenance staff. Obtained roof access.

- Inspected MUAs, Mits multi-zone air handlers, and rooftop exhaust fans.
- greased bearings where required, inspected belts, noted belt/filter sizes, noted deficiencies.

Equipment list has changed from original list provided- All window A/Cs along East Wing and window A/C in main office have been removed as school is replacing all windows associated.

Equipment Name: Multi-zone Condenser

Model: PUHY-P72YKMU-A

Manufacturer: Mitsubishi

Serial Number: 34W00194

Work Performed

Aug. 10/18, 2020

Changed setpoints of all zone controllers to bring on mechanical A/C.

Inspected condenser coils, all electrical connections, condenser fan/compressor operation- All operational at this time.



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Equipment Name: Air Handler	Model: PEFY-P12NMAU-E3
Manufacturer: Mitsubishi	Serial Number: 55R05808
Work Performed Aug. 10/18, 2020 Located equipment in ceiling space- removed filter, washed re-installed. Tested fan operation.	

Equipment Name: Air Handler	Model: PEFY-P30NMAU-E3
Manufacturer: Mitsubishi	Serial Number: 54R02108
Work Performed Aug. 10/18, 2020 Located equipment in ceiling space- removed filter, washed re-installed. Tested fan operation.	

Equipment Name: Air Handler	Model: PEFY-P12NMAU-E3
Manufacturer: Mitsubishi	Serial Number: 55R05807
Work Performed Aug. 10/18, 2020 Located equipment in ceiling space- removed filter, washed re-installed. Tested fan operation.	

Equipment Name: Air Handler	Model: PEFY-P06NMAU-E3
Manufacturer: Mitsubishi	Serial Number: 55R01643
Work Performed Aug. 10/18, 2020 Located equipment in ceiling space- removed filter, washed re-installed. Tested fan operation.	

Equipment Name: Exhaust fan and fresh air louvers	Model: SPA1050-QD
Manufacturer: Greenheck	Serial Number: 14107200
Work Performed Aug. 10, 2020 Checked operation from thermostat of D.D. exhaust fan, and fresh air dampers. Lubricated fresh air damper louvers.	

Equipment Name: Air Handler	Model: PEFY-P24NMAU-E3
Manufacturer: Mitsubishi	Serial Number: 45R02195
Work Performed Aug. 10/18, 2020 Located equipment in ceiling space- removed filter, washed re-installed. Tested fan operation.	



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Equipment Name: Air Handler	Model: PEFY-P12NMAU-E3
Manufacturer: Mitsubishi	Serial Number: 55R05810
Work Performed Aug. 10/18, 2020 Located equipment in ceiling space- removed filter, washed re-installed. Tested fan operation.	

Equipment Name: Air Handler	Model: PEFY-P36NMAU-E3
Manufacturer: Mitsubishi	Serial Number: 46R01652
Work Performed Aug. 10/18, 2020 Located equipment in ceiling space- removed filter, washed re-installed. Tested fan operation.	

Equipment Name: Air handler	Model: PEFY-P24NMAU-E3
Manufacturer: Mitsubishi	Serial Number: 45R02107
Work Performed Aug. 10/18, 2020 Located equipment in ceiling space- removed filter, washed re-installed. Tested fan operation.	

Equipment Name: Air Handler	Model: PEFY-P24NMAU-E3
Manufacturer: Mitsubishi	Serial Number: 45R02111
Work Performed Aug. 10/18, 2020 Located equipment in ceiling space- removed filter, washed re-installed. Tested fan operation.	

Equipment Name: Air Handler	Model: PEFY-P24NMAU-E3
Manufacturer: Mitsubishi	Serial Number: 45R02192
Work Performed Aug. 10/18, 2020 Located equipment in ceiling space- removed filter, washed re-installed. Tested fan operation.	



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Equipment Name: MUA

Model: FWE285/DJX100/C/0

Manufacturer: Engineer Air

Serial Number: 53374 AHU-1

Work Performed

Aug. 10/18, 2020
Both fans running on unit.
Greased all bearings, inspected filters. Filters clean. Belts in rough condition- should be replaced.

Filters- 4 of 24x24x2pl
6 of 20x24x2pl
Belts- 2 of B-47
2 of B-76

Equipment Name: Exhauster (Science Lab)

Model: none

Manufacturer: Universal Fan and Blower Ltd.

Serial Number: Z1733-4

Work Performed

Aug. 10/18, 2020
Inspected bearings/pulleys, greased bearings, tested operation.
Belt should be replaced.
Belt- 1 of 4L260

Equipment Name: Exhauster (science lab)

Model: none

Manufacturer: Universal Fan and Blower Ltd.

Serial Number: Z17733-1

Work Performed

Aug. 10/18, 2020
Inspected bearings/pulleys, greased bearings, tested operation.
Belt should be replaced.
Belt- 1 of 4L260

Equipment Name: Exhauster (Science Lab)

Model: none

Manufacturer: Universal Fan and Blower Ltd.

Serial Number: Z1733-3

Work Performed

Aug. 10/18, 2020
Inspected bearings/pulleys, greased bearings, tested operation.
Belt should be replaced.
Belt- 1 of 4L260

Equipment Name: Exhauster (Science Lab)

Model: none

Manufacturer: Universal Fan and Blower Ltd.

Serial Number: Z1733-5



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Work Performed

Aug. 10/18, 2020
Inspected bearings/pulleys, greased blower bearings. Motor bearings have failed, motor shaft has play, causing unit to run very loud with excessive vibration.
Also Belt should be replaced.

Belt- 1 of 4L260

Left unit off to prevent damage to blower bearings.
Gathered information to provide quotation

Equipment Name: Exhauster (Science Lab)

Model: none

Manufacturer: Universal Fan and Blower Ltd.

Serial Number: Z1733-2

Work Performed

Aug. 10/18, 2020
Inspected bearings/pulleys, greased bearings, tested operation.
Belt should be replaced.
Belt- 1 of 4L260

Equipment Name: Exhauster (Science Lab)

Model: none

Manufacturer: Universal Fan and Blower Ltd.

Serial Number: Z1733-6

Work Performed

Aug. 10/18, 2020
Inspected bearings/pulleys, greased bearings, tested operation.
Belt should be replaced.
Belt- 1 of 4L260

Equipment Name: Exhauster

Model: CUBE-141HP-3-X

Manufacturer: Greenheck

Serial Number: 14173975

Work Performed

Aug. 18, 2020
Checked operation of exhauster- found all to be ok.

Belt- 1 of 4L390



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Equipment Name: Exhauster
Manufacturer: Greenheck

Model: CUBE-141HP-3-X
Serial Number: 14173975

Work Performed

Aug. 10/18, 2020
Unit turned off inside building- No power at roof disconnect. Unable to locate power source inside building.
Greased bearings.
Belt in very rough condition.

Belt- 1 of AP20

Equipment Name: Exhauster
Manufacturer: n/a

Model: none
Serial Number: none

Work Performed

Aug. 10/18, 2020
Found turned off at rooftop disconnect. Turned on tested operation. Non greaseable type bearings. Belt worn.
Belt: 1 of A47

Turned disconnect off as found

Equipment Name: Exhauster
Manufacturer: Breidert

Model: LO-1505
Serial Number: 3776.1

Work Performed

Aug. 10/18, 2020
Found unit turned off at rooftop disconnect, belt removed lying in unit. Belt worn and needs to be replaced.

Belt: 1 of AX43

Equipment Name: Exhauster
Manufacturer: Delhi

Model: none
Serial Number: none

Work Performed

Aug. 10/18, 2020
No power at rooftop disconnect.
Inspected unit- bearings are non-greasable style.
Unable to locate power source inside building, Arthur unaware where exhauster power is fed from.

Belt- 1 of 4L460



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Equipment Name: Exhauster	Model: none
Manufacturer: Delhi	Serial Number: none
Work Performed Aug. 10/18, 2020 Checked operation of exhauster- found all to be ok. Belt- 1 of 4L390	

Equipment Name: Exhauster	Model: none
Manufacturer: unknown	Serial Number: none
Work Performed Aug. 10, 2020 Found unit off, no power at rooftop disconnect. Greased bearings. Unable to locate power source inside building, Arthur unaware where exhauster power is fed from. Belt- 1 of 4L820	

Equipment Name: Exhauster	Model: LO 3005
Manufacturer: Breidert	Serial Number: 3776
Work Performed Aug. 10/18, 2020 No power at roof top disconnect. Unable to locate power source inside building, Arthur unaware where exhauster power is fed from. Greased bearings. Belt- 1 of A73	

Equipment Name: Exhauster	Model: LO 3005
Manufacturer: Breidert	Serial Number: 3776
Work Performed Aug. 10/18, 2020 No power at rooftop disconnect. Unable to locate power source inside building, Arthur unaware where exhauster power is fed from. Bearings not requiring grease. Belt- 1 of A73.	



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Equipment Name: RTU serving Library	Model: FWE93/DJX20/O
Manufacturer: Engineered Air	Serial Number: B53649 Library H and V

Work Performed
Aug. 10/18, 2020
Located unit.
Greased blower bearings. Checked condition of belts- found to be ok.
Cleared p-trap.
Tested A/C operation- all operational at this time.

Belts: 1 of 4L590
1 of A50
Filters- 2 of 20x25x2

Equipment Name: Trane RTU- photography studio	Model: YCD048A3H0AB
Manufacturer: Trane	Serial Number: F28143314D

Work Performed
Aug. 18, 2020
Unit recently repaired- new blower motor, heat exchanger and heating components changed out.
Tested A/C operation- unit has no refrigerant, requires leak check/repair.

Filters- 2 of 20x25x1"pl
Blower motor- D.D.

Summary

Labor Detail

Technician	Equipment	Labor Type Id	Date	Hours
Thomas Herridge	SV-HVAC	MECH	2020-08-10	8
Thomas Herridge	SV-HVAC	MECH	2020-08-18	3
Total				11

Material / Misc / Flat Rate Details

Equipment	Item	Description	Quantity
SV-HVAC	*Non-inventory*	grease- TH truck stock	1



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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](#)