

1
M406
UPPER MECHANICAL ROOM & ATTIC SPACES
EXISTING HVAC LAYOUT
SCALE: 1:100

GENERAL NOTES

1. ALL DUCTWORK SHOWN TO BE COMPLETELY CLEANED INTERNALLY ALONG THE FULL LENGTH OF DUCTWORK INDICATED IN THIS DRAWING. ENSURE DUCT IS MAINTAINED UNDER NEGATIVE PRESSURE AT ALL TIMES DURING CLEANING OPERATIONS. PROTECT FINISHED AREAS FROM DUST, CLEAN ANY AND ALL RESIDUE FROM FINISHED AREAS FOLLOWING CLEANING OPERATIONS.
2. CLEAN THE INTERIOR OF THE AIR HANDLERS INCLUDING FAN WHEEL BLADES.
3. COMPLETE ALL DUCT CLEANING AND REMIT VIDEO MEDIA TO DEPARTMENTAL REPRESENTATIVE AFTER COMPLETION OF WORK. VIDEO INSPECTION SHALL COVER 100% OF DUCT LENGTH.
4. REMOVE SUPPLY RETURN GRILLES WHILE CONNECTED DUCTWORK IS MAINTAINED UNDER NEGATIVE PRESSURE, THOROUGHLY CLEAN GRILLES AND RE-INSTALL USING FASTENING METHODS APPROVED BY DEPARTMENTAL REPRESENTATIVE.
5. FOR FLOOR SUPPLY GRILLE TYPE SA, CONTRACTOR TO REMOVE AND CLEAN BOTH THE SUPPLY GRILLE MOUNTED TO THE CONCRETE CURB AND THE DAMPER MECHANISM MOUNTED TO THE CONCRETE SLAB OPENING.
6. CONTRACTOR TO ALLOW FOR REPLACEMENT OF 10% OF ALL SUPPLY AND RETURN GRILLES. TYPE INDICATED ON PLAN IS IN THE CASE OF REPLACEMENT. GRILLES ARE TO BE REPLACED IF DAMAGED BEYOND CLEANING AND/OR REPAIR. BALANCE GRILLES TO AIRFLOW INDICATED.

DRAWING NOTES

- 1 100mm SUPPLY DUCTWORK IN HOLLOW CORE IN SLAB FEEDING LIVING QUARTERS. TYPICAL OF WINGS B, D, AND F.
- 2 200x200mm RETURN DUCTWORK FROM 2ND FLOOR LIVING QUARTERS RETURN GRILLES. TYPICAL OF WINGS B, D, AND F.
- 3 200x200mm RETURN DUCTWORK FROM 1ST FLOOR LIVING QUARTERS RETURN GRILLES. TYPICAL OF WINGS A, C, AND E.
- 4 SUPPLY DUCTWORK FEEDING SUPPLY GRILLE IN HALLWAY. TYPICAL OF WINGS B, D, AND F.
- 5 UPPER RETURN DUCTS EXHAUST TO OUTSIDE.
- 6 UPPER RETURN DUCTS FRESH AIR SUPPLY TO PROVIDE MIXED AIR TO UPPER LEVEL AIR HANDLER.
- 7 UPPER LEVEL AIR HANDLER. UNIT PROVIDES AIR TO WINGS B, D, AND F.
- 8 LOWER LEVEL RETURN DUCTS FRESH AIR SUPPLY TO PROVIDE MIXED AIR TO LOWER LEVEL AIR HANDLER.
- 9 SUPPLY AND RETURN DUCTS TO WING H ARE NOT IN USE. DAMPERS ARE CLOSED AND AIR IS PROVIDED BY A STANDALONE UNIT IN WING H. WING H DUCTWORK IS OUTSIDE OF SCOPE.
- 10 MIXED AIR DUCT DOWN TO LOWER MECHANICAL ROOM. REFER TO M404, DETAIL 1.



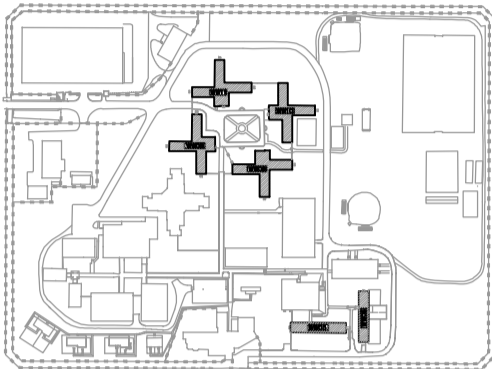
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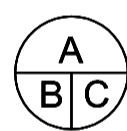
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Key Plan



01	RE-ISSUED FOR TENDER	2013/05/28
00	ISSUED FOR TENDER	2013/04/19
0B	ISSUED FOR 99% REVIEW	2013/03/27
0A	ISSUED FOR 66% REVIEW	2013/02/11
revision	description	date

Do not scale drawings.
Verify all dimensions and conditions on site and
immediately notify the departmental representative of all discrepancies.



- A Detail No.
B drawing no. - where detail required
C drawing no. - where detailed

project title
CAMPBELLFORD Ontario
CORRECTIONAL SERVICE CANADA
WARKWORTH INSTITUTION
15847 COUNTY ROAD 29
**LIVING UNITS
DUCT CLEANING**

drawing title
**BUILDINGS WW; 08, 09, 10 & 11
UPPER MECHANICAL ROOM &
CEILING CRAWL SPACE LAYOUTS**

drawn by	C. McGee / C. Rivard
designed by	C. McGee
approved by	H. Baxa, P.Eng.
bid	O. Tabarez
project date	2013-01-28
project no.	R.033222.001
drawing no.	M406