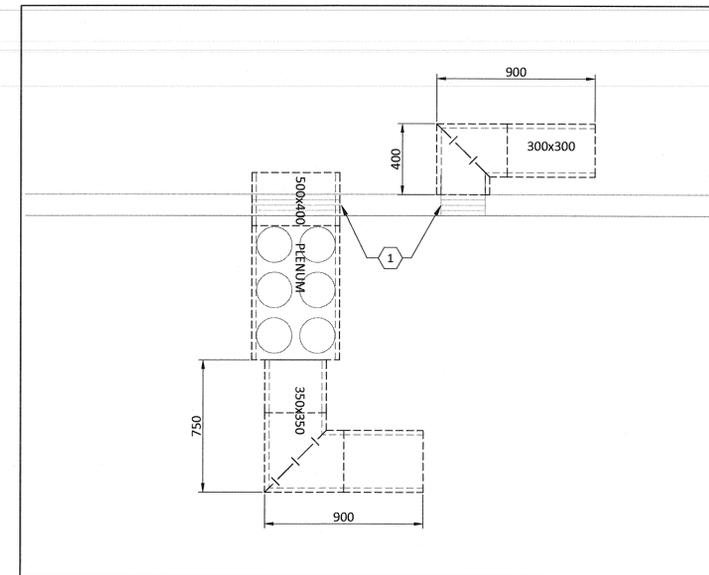


M3-1 VAV BOX SCHEDULE				
BOX TAG	DIAMETER	MIN AIRFLOW	MAX AIRFLOW	COMMENT
	MM	L/S	L/S	
01	250	50	400	
02	200	76	340	
03	150	48	220	
04	150	34	210	
05	150	48	250	

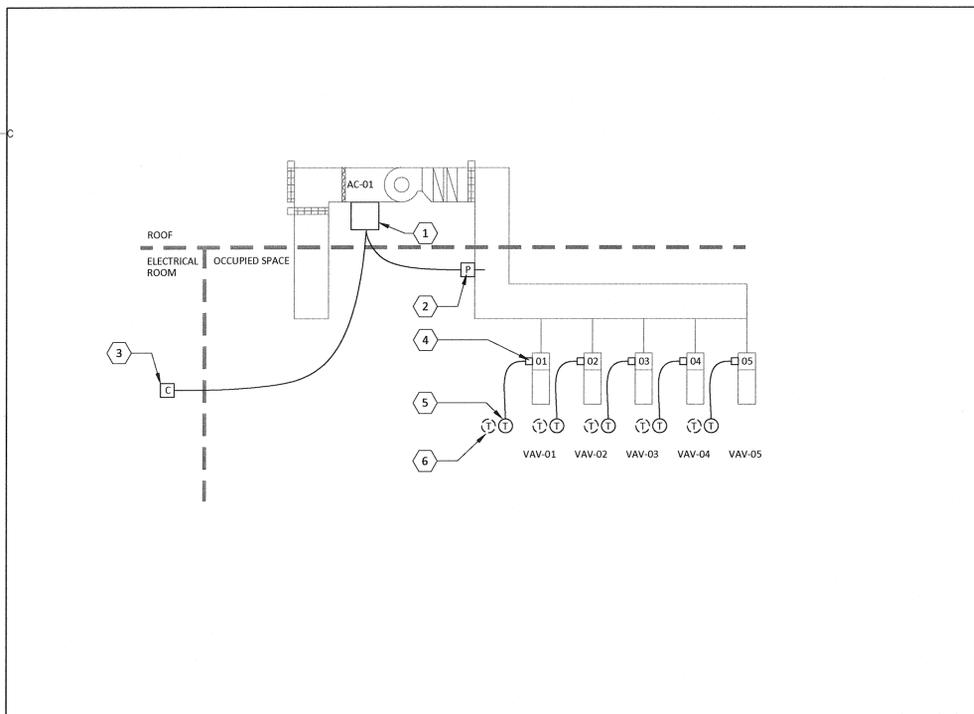
M3-2 ROOF-TOP UNIT SCHEDULE													
UNIT TAG	NOMINAL TONS	MFG	MODEL	COOLING		ELECTRIC HEAT	SUPPLY AIR		MIN FRESH AIR	ELECTICAL			WEIGHT
				SENSIBLE	TOTAL		AIRFLOW	EXT. STAT. PRESS		SUPPLY	MCA	MOP	
				KW (MBH)	KW (MBH)	KW (MBH)	L/S (CFM)	PA (INH2O)	L/S (CFM)	V/PH/HZ	AMP	AMP	KG (LB)
AC-1	6			(64.5)	(72.8)	(30.7)	MAX: 1354 (2880) MIN: 256 (545)	187 (0.75)	94 (200)	575/3/60	28.5	45	504 (1108)



5 RETURN DUCT DETAIL  
M-3.0 1:20

DRAWING NOTES:

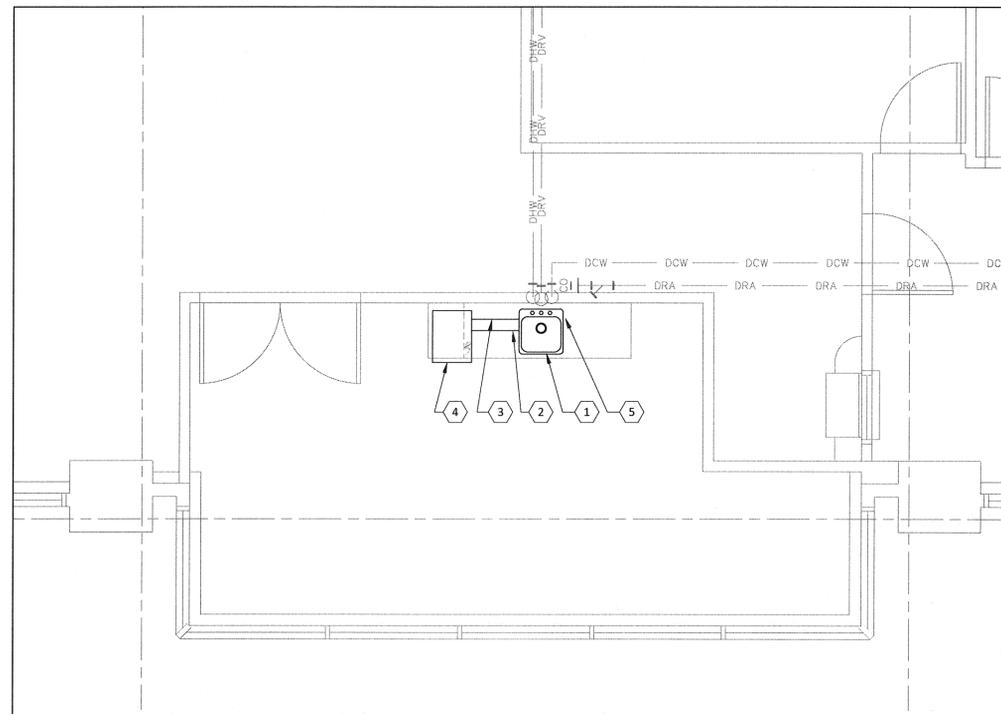
- EXISTING FIRE DAMPER TO REMAIN.



3 CONTROLS SCHEMATIC  
M-3.0 NTS

CONTROLS SCHEMATIC DRAWING NOTES:

- NEW AC-01 VAV CONTROLLER
- NEW DUCT MOUNTED STATIC PRESSURE TRANSMITTER. SEE SPECIFICATIONS. LOCATION AS DETERMINED BY ENGINEER
- NEW AC-01 USER INTERFACE IN ELECTRICAL ROOM.
- NEW VAV BOX CONTROLLER. TYPICAL OF 5. SEE SPECIFICATIONS. INSTALLED BY ELECTRICAL
- NEW VAV BOX PROGRAMMABLE THERMOSTAT. TYPICAL OF 5. SEE SPECIFICATIONS.
- REMOVAL OF EXISTING PERIMETER HEAT ZONE CONTROLS BY ELECTRICAL



4 PARTIAL FLOOR PLAN - PLUMBING  
M-3.0 1:40

PARTIAL FLOOR PLAN - PLUMBING DRAWING NOTES:

- NEW KITCHEN SINK AND FIXTURES TYPE SK-1 TO REPLACE EXISTING. CONNECT TO EXISTING DCW AND DHW AND DRAIN. PROVIDE LOCAL SHUT-OFF VALVES AT NEW SINK WHERE NOT ALREADY INSTALLED. SEE SPECIFICATIONS.
- NEW MIN 9.5 MM DIA. STAINLESS STEEL BRAIDED HOSE FOR DHW CONNECTION TO NEW DISHWASHER. PROVIDE FULL PORT ISOLATION BALL VALVE. PROVIDE PIPE FITTINGS AND OTHER PIPE ACCESSORIES AS REQUIRED FOR FULL INSTALLATION.
- NEW HOSE CONNECTION FROM NEW DISHWASHER TO SINK WASTE PIPE. INSTALL IN ACCORDANCE WITH DISHWASHER MANUFACTURER'S RECOMMENDATIONS. PROVIDE CLAMPS, WASTE TEE, AND OTHER ACCESSORIES AS REQUIRED FOR FULL INSTALLATION.
- NEW DISHWASHER WHIRLPOOL MODEL WDF18SAW SUPPLIED BY DEPARTMENTAL REPRESENTATIVE AND INSTALLED BY CONTRACTOR.
- RE-INSTALL EXISTING WATER FILTRATION UNIT ON NEW SINK. CONSULT WITH OWNER FOR SIDE/LOCATION.

LEGEND	
---	EXISTING CONSTRUCTION TO BE REMOVED
---	NEW CONSTRUCTION
---	EXISTING CONSTRUCTION TO REMAIN
NECK DIA TYPE ANSTLOW	SUPPLY AIR DIFFUSER
TYPE	RETURN AIR GRILLE
TYPE / SIZE	SUPPLY AIR DUCT
TYPE / SIZE	RETURN AIR DUCT
TYPE / SIZE	ACOUSTICALLY INSULATED DUCT
TYPE / SIZE	THERMALLY INSULATED DUCT
---	DOMESTIC COLD WATER PIPING
---	DOMESTIC HOT WATER PIPING
---	PLUMBING DRAIN
---	PLUMBING VENT
---	SPRINKLER HEAD - PENDANT
---	THERMOSTAT
---	VAV BOX



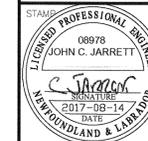
ARCHITECTURAL



MECHANICAL & ELECTRICAL



ANTARES ENGINEERING GROUP INC.



PROVINCE OF NEWFOUNDLAND AND LABRADOR  
ENGINEERING PERMIT N0946

Antares Engineering Group Inc.  
Signature of Member Number (Member-in-Responsible Charge)

GENERAL NOTES:

SEE DRAWING M3.0 FOR LEGEND.  
THE WORDS "NEW" AND "PROVIDE" AS USED HEREIN SHALL MEAN TO "SUPPLY AND INSTALL".  
LOCATION OF EQUIPMENT INDICATED OR SPECIFIED IS TO BE CONSIDERED AS APPROXIMATE. DO NOT SCALE DRAWINGS TO ORDER MATERIAL. CONTRACTOR TO TAKE FIELD MEASUREMENTS AND MAKE MATERIAL CONFORM TO SITE CONDITIONS.  
REMOVE AND REINSTALL, CUT AND PATCH AND MAKE GOOD ANY EQUIPMENT, SERVICE OR SYSTEM DEEMED NECESSARY TO PERFORM WORK AS SPECIFIED HEREIN.

revisions	title	date
C	Issued for Tender	21.07.17
B	Issued for Tender	07.07.17
A	Issued for 90% Review	15.06.17

project A  
DISTRICT OFFICE  
INFRASTRUCTURE  
JOHN CABOT BUILDING  
ST. JOHN'S, NL  
BUILDING I.D. GOC00047

drawing A  
MECHANICAL  
PARTIAL FLOORPLAN -  
PLUMBING  
SCHEDULES &  
DETAILS

designed J.C.J. conçu  
date JUNE 2017  
drawn J.C.J. dessiné  
date JUNE 2017  
approved I.C.S. approuvé  
date JUNE 2017  
Tender Project Manager / Soumission  
Project Manager / Administrateur de Projets TPSGC  
project number no. du projet  
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drawing no. no. du dessin  
M-3.0