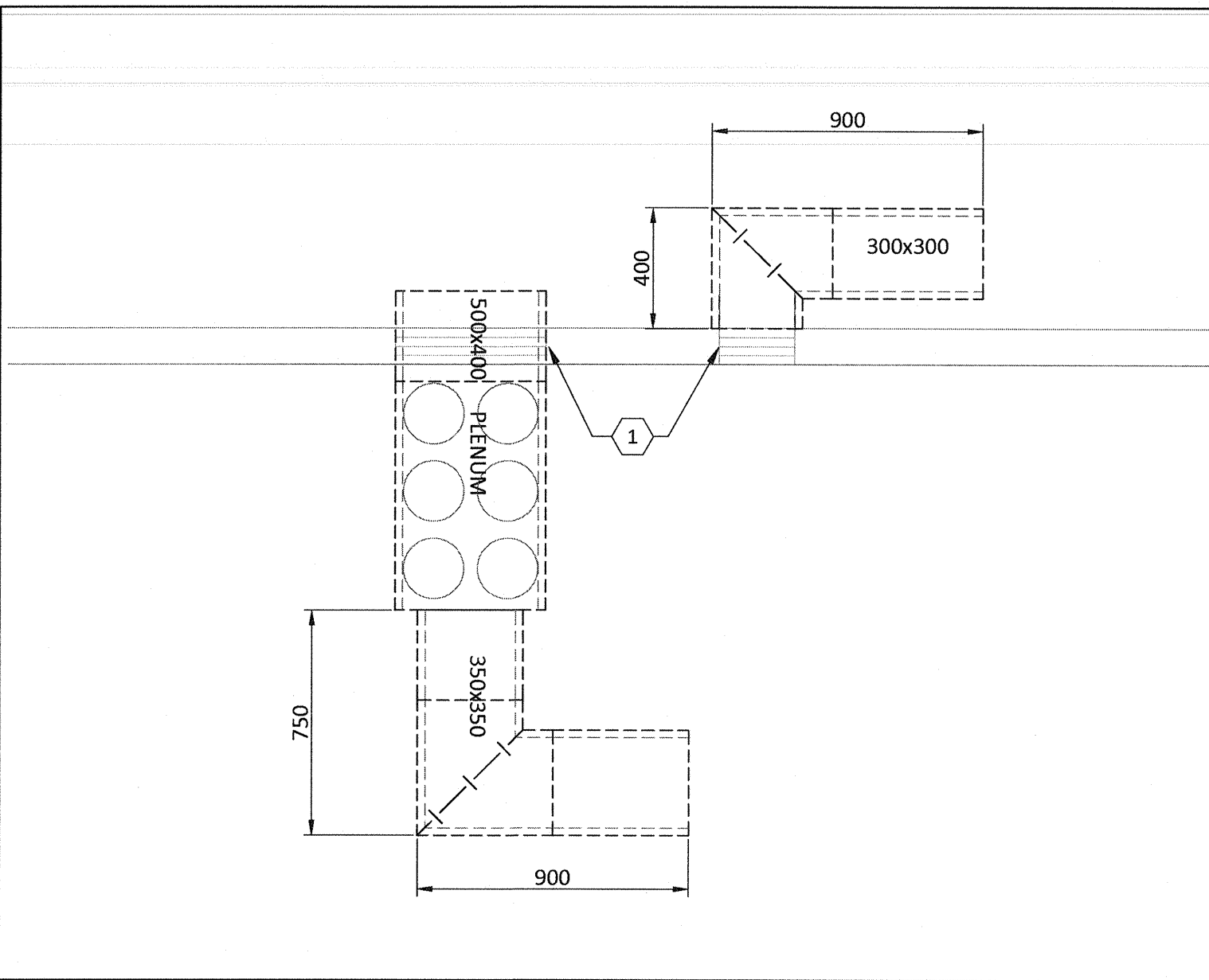


M3-1 VAV BOX SCHEDULE					
BOX TAG	DIAMETER	MIN AIRFLOW	MAX AIRFLOW	COMMENT	
	MM	L/S	L/S		
01	250	50	400		
02	200	76	340		
03	150	48	220		
04	150	34	210		
05	150	48	250		

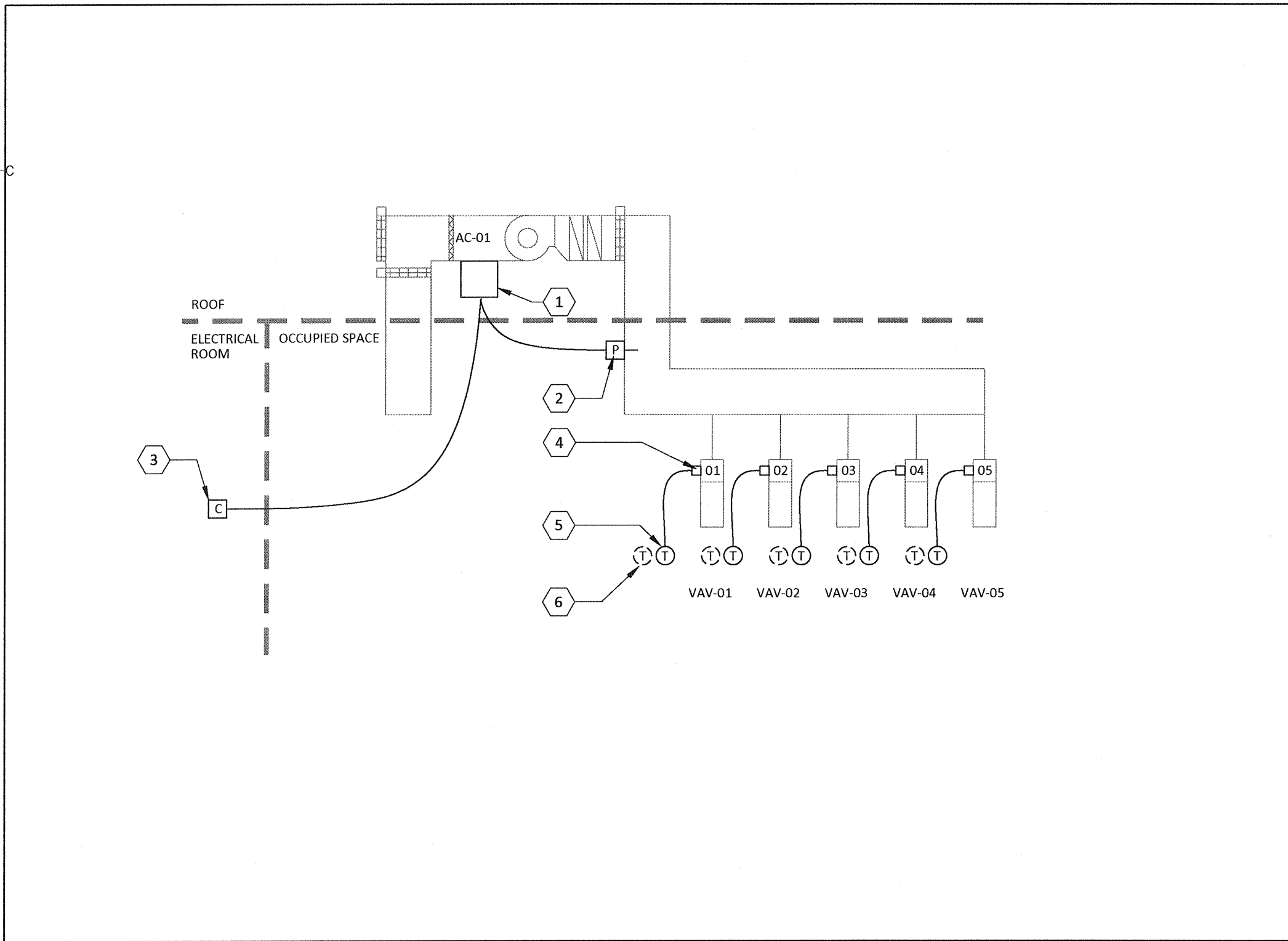
M3-2 ROOF-TOP UNIT SCHEDULE													
UNIT TAG	NOMINAL TONS	MFG	MODEL	COOLING		ELECTRIC HEAT	SUPPLY AIR		MIN FRESH AIR	ELECTRICAL			WEIGHT
				SENSIBLE	TOTAL		AIRFLOW	EXT. STAT. PRESS		SUPPLY	MCA	MOP	
				KW (MBH)	KW (MBH)	KW (MBH)	L/S (CFM)	PA (INH2O)	L/S (CFM)	V/PH/HZ	AMP	AMP	KG (LB)
AC-1	6			(64.5)	(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:

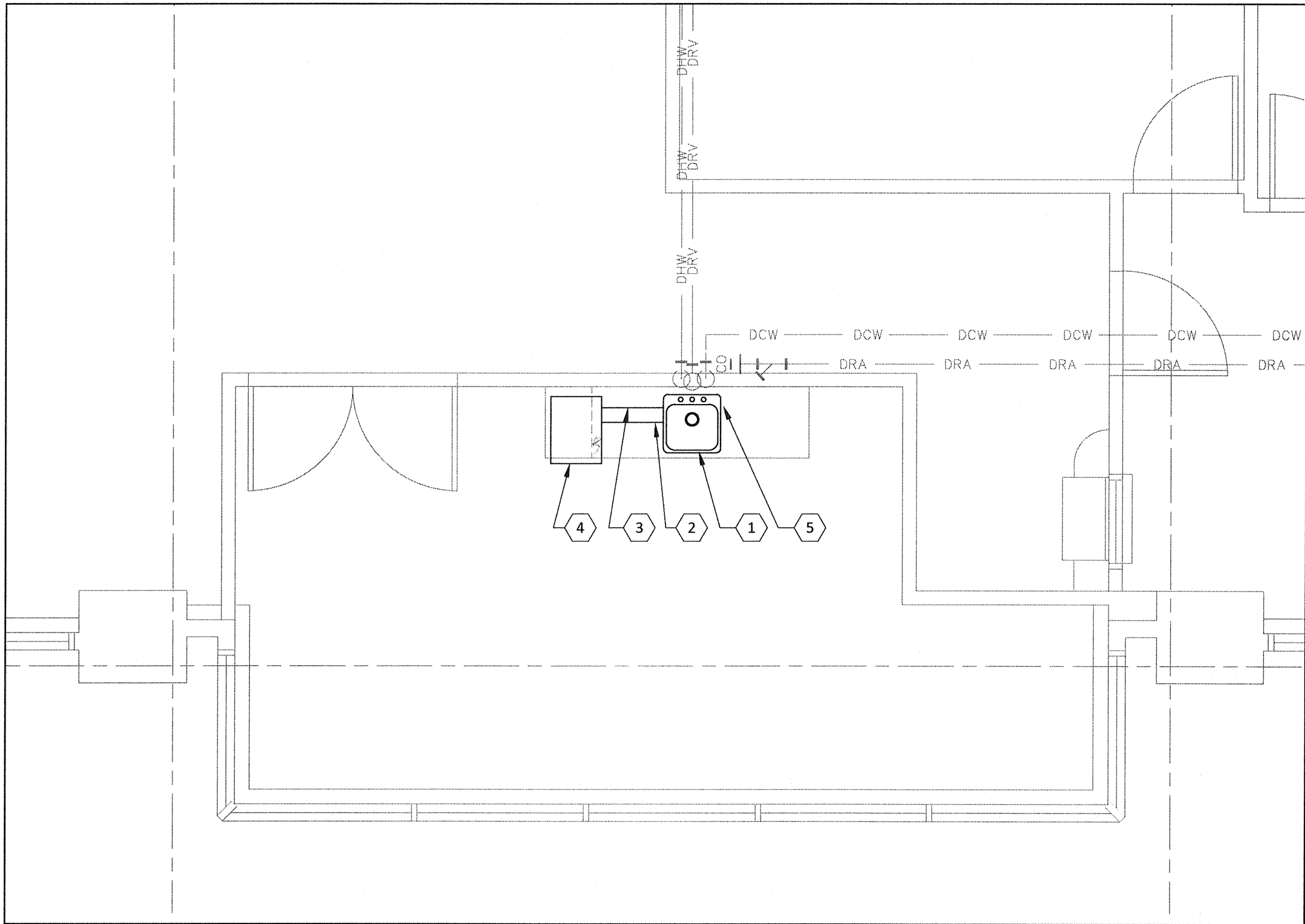
- EXISTING FIRE DAMPER TO REMAIN.



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 DWH 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 SIZE AIRFLOW	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
DCW	DOMESTIC COLD WATER PIPING
DHW	DOMESTIC HOT WATER PIPING
DRA	PLUMBING DRAIN
DVW	PLUMBING VENT
SPR	SPRINKLER HEAD - PENDANT
TS	THERMOSTAT
NO FLOW L/S (NO FLOW AND NO SERVICE CO)	VAV BOX

Public Works and Government Services Canada
Travaux Publics et Services gouvernementaux Canada



ARCHITECTURAL

Fougere
Menchenton
ARCHITECTURE

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

MECHANICAL
PARTIAL FLOORPLAN -
PLUMBING
SCHEDULES &
DETAILS

designed	J.C.J.	conçu
date	JUNE 2017	
drawn	J.C.J.	dessiné
date	JUNE 2017	
approved	J.C.S.	approuvé
date	JUNE 2017	
Project Manager	2017/07/31	Source
Project Manager	Administrateur de projets	TPSGP
project number		no. du projet
R.090120.001		
drawing no.		no. du dessin
M-3.0		

