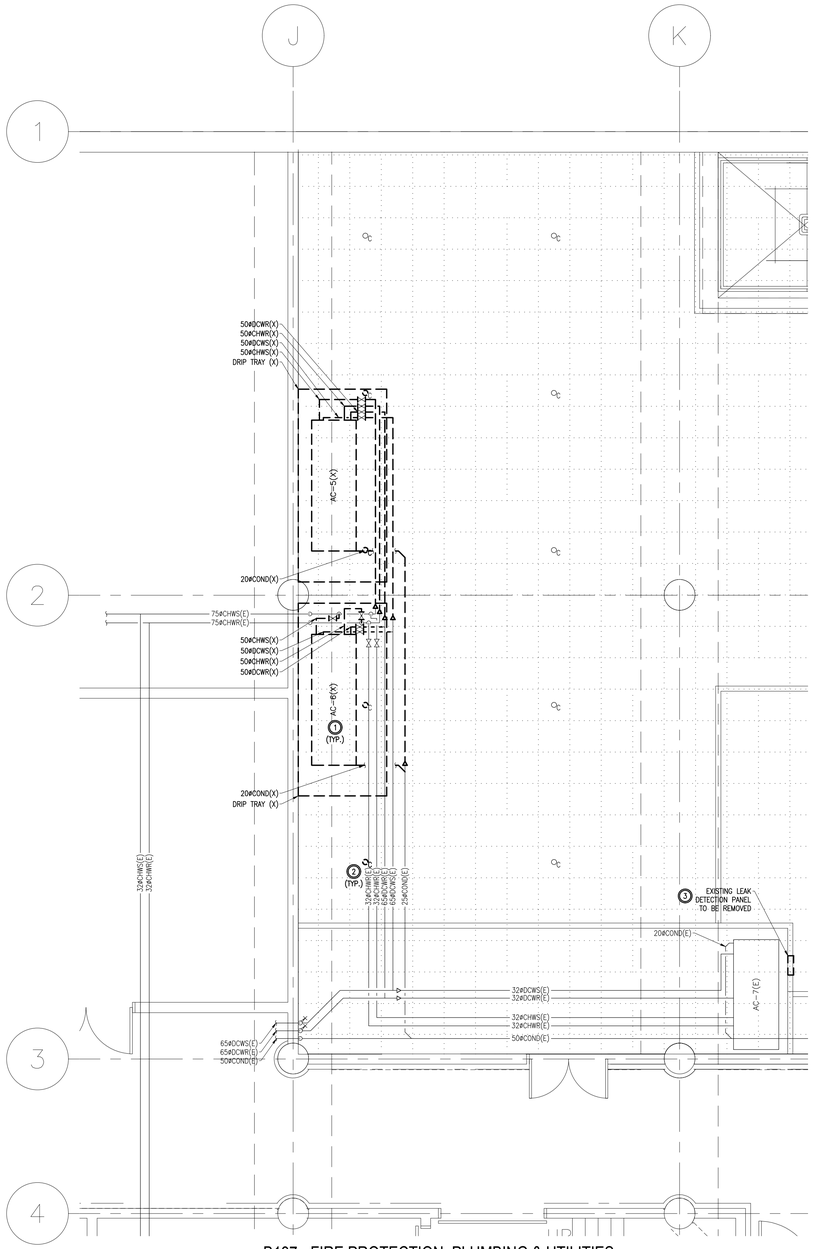
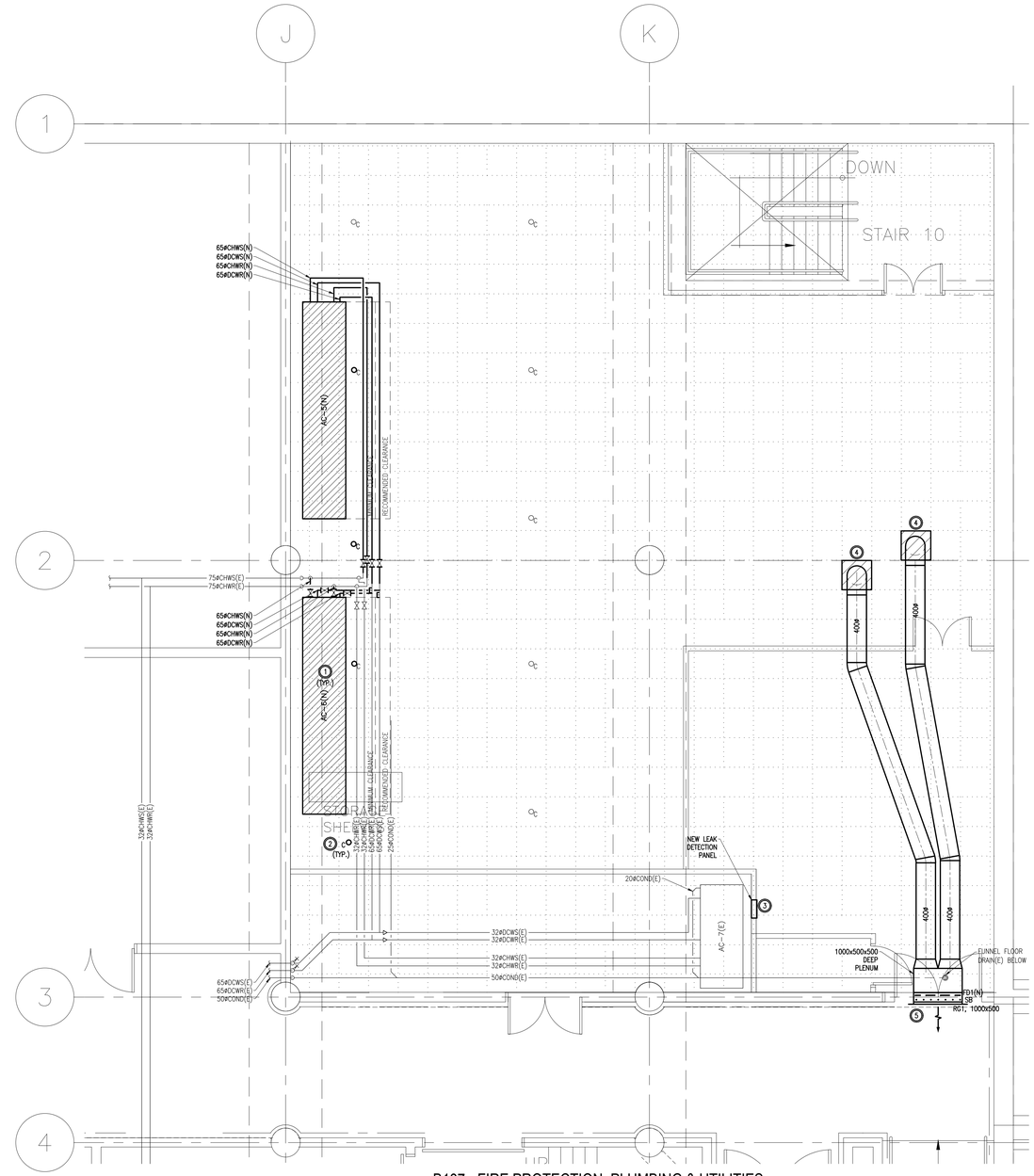


B137 - FIRE PROTECTION, PLUMBING & UTILITIES
DEMOLITION WORK

1 / M2 1:50

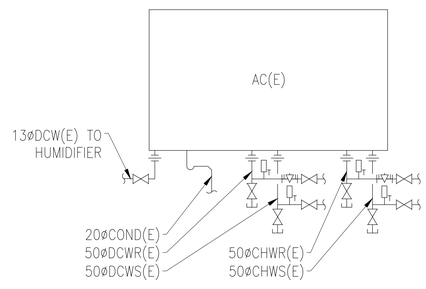


B137 - FIRE PROTECTION, PLUMBING & UTILITIES
NEW WORK

2 / M2 1:50

DESCRIPTION OF WORK – DEMOLITION WORK

1. REMOVE EXISTING AC UNITS C/W ASSOCIATED CONTROLS & ACCESSORIES. REMOVE & CAP EXISTING CHILLED & DOMESTIC WATER PIPING BACK TO MAIN. REMOVE EXISTING DRIP TRAY & CONDENSATE PIPING & ASSOCIATED ACCESSORIES.
2. REMOVE EXISTING SPRINKLERS C/W ASSOCIATED SPRINKLER PIPING TO ACCOMMODATE NEW AC UNIT LAYOUT.
3. REMOVE EXISTING LEAK DETECTION PANEL & CABLE C/W ASSOCIATED ACCESSORIES. ALLOW FOR ACCESSIBLE FLOOR REMOVAL & REINSTALLATION AS REQUIRED.



B137 - PLUMBING & UTILITIES
SCHEMATIC - EXISTING

3 / M2 1:50

DESCRIPTION OF WORK – NEW WORK

1. PROVIDE NEW AC UNITS C/W ASSOCIATED CONTROLS & ACCESSORIES. EXTEND NEW CHILLED & DOMESTIC WATER PIPING FROM EXISTING MAINS. REFER TO DETAIL 3/M2. PROVIDE NEW DRIP PAN & CONDENSATE PIPING AS PER MANUFACTURER'S INSTRUCTIONS. EXTEND RETURN AIR PLENUM UP TO CEILING SPACE. CEILING REVISIONS BY GENERAL TRADES. COORDINATE EXACT PLACEMENT ON SITE WITH DEPARTMENTAL REPRESENTATIVE AND GENERAL TRADES.
2. PROVIDE NEW CONCEALED SPRINKLERS C/W ASSOCIATED SPRINKLER PIPING. COORDINATE EXACT LOCATIONS ON SITE TO SUIT EXISTING & NEW EQUIPMENT.
3. PROVIDE NEW LEAK DETECTION CONTROL PANEL C/W LEAK DETECTION CABLE & ASSOCIATED ACCESSORIES. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS. NEW CABLE TO EXTEND DOWN TO LOWER ROOMS INCLUDING MEZZANINE & COMPUTER ROOM. ALLOW FOR ACCESSIBLE FLOOR REMOVAL & REINSTALLATION AS REQUIRED.
4. OBTAIN TWO(2) HEAT REJECTION DUCT CEILING PANELS C/W 400ø COLLAR (SUPPLIED BY DEPARTMENTAL REPRESENTATIVE) AND INSTALL AS INDICATED. PROVIDE 400ø CAPS AT FLANGES BELOW CEILING, FASTEN WITH TWO (2) SHEET METAL SCREWS. PROVIDE TWO (2) ADDITIONAL 400ø CONNECTORS FOR FLEXIBLE DUCTWORK (SUPPLIED BY DEPARTMENTAL REPRESENTATIVE) INCLUDING GEAR CLAMPS.
5. PROVIDE 1000x500 DEEP PLENUM C/W DUCTWORK, SECURITY BAR, FIRE DAMPER AND RETURN GRILL. COORDINATE WALL OPENING/PATCHING WITH GENERAL TRADES. ROUTE 400ø HEAT REJECTION DUCTS FROM CEILING PANELS TO PLENUM AS INDICATED. SEE FIRE DAMPER WITH SECURITY BAR DETAIL 1 & 2/M1.

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This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer.

LICENSED PROFESSIONAL ENGINEER B. E. PERUSSE PROVINCE OF ONTARIO

Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.

REV	ISSUED	YYY/MM/DD
4	ISSUED FOR TENDER	2017/09/01
3	ISSUED FOR 99% REVIEW	2017/06/13
2	ISSUED FOR 50% REVIEW	2017/05/10
1	ISSUED FOR 25% REVIEW	2017/03/27

A detail no. no. du detail
B location drawing no. sur dessin no.
C drawing no. dessin no.

project / projet

CBUS A/C UNIT & LEAK DETECTION SYSTEM REPLACEMENT

OTTAWA, ONTARIO

drawing / dessin

MECHANICAL
DATA CENTRE B-137
FIRE PROTECTION, PLUMBING & UTILITIES
DEMOLITION & NEW WORK

Designed By	S.FERGUSON	Conçu par
Date	2017/03/27	(yyyy/mm/dd)
Drawn By	S.FERGUSON	Dessiné par
Date	2017/03/27	(yyyy/mm/dd)
Reviewed By	E.PERUSSE	Examiné par
Date	2017/03/27	(yyyy/mm/dd)
Approved By		Approuvé par
Date		(yyyy/mm/dd)
Tender		Soumission
Project Manager		Administrateur de projets
Project no.	R.010219.020	No. du projet
Drawing no.	M2	No. du dessin OF 4

3/23/2017 9:57:21 AM

PWGSC B1 (1000x707)