



National Research Council  
Canada

Conseil national de recherches  
Canada

Administrative Services  
and Property Management  
Branch

Direction des services  
administratifs et  
gestion de l'immobilier



## **Addendum / Addenda**

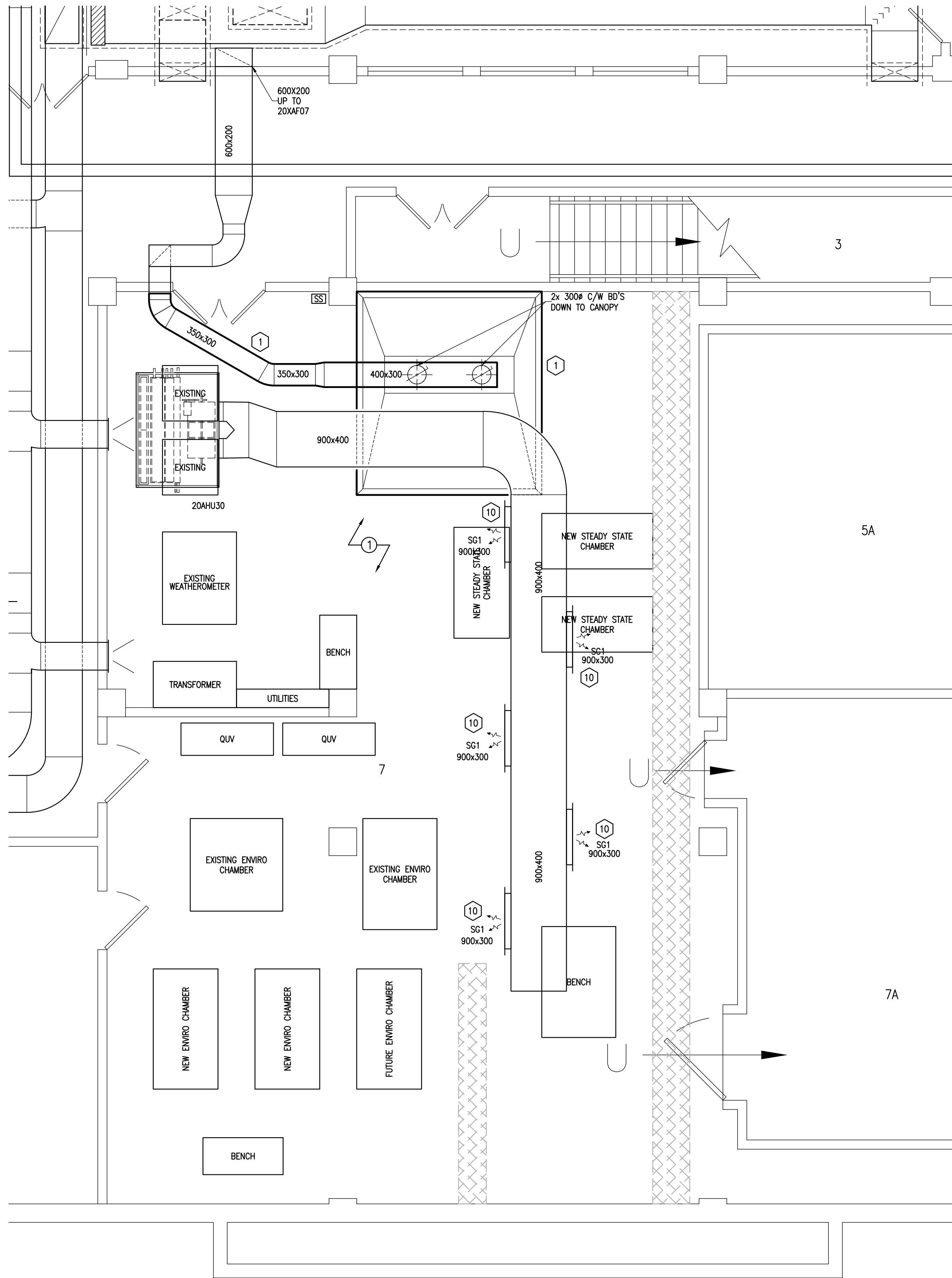
No./N°

3

Project Description / Description de projet		
M-20 Biocomposite Lab Renovation		
Solicitation No./ No de sollicitation	Project No./N° de projet	W.O. No./N° d'ordre de travail
13-22073	3714	
Departmental Representative / représentant ministériel		Date
Denis Labelle		Oct. 21, 2013
<b>Notice:</b> This addendum shall form part of the tender documents and all conditions shall apply and be read in conjunction with the original plans and specifications.		<b>Nota:</b> Cet addenda fait partie intégrale des dossiers d'appel d'offres; toutes les conditions énoncées doivent être lues et appliquées en conjonction avec les plans et les devis originaux.

### Mechanical :

1. Replace existing drawing G01 with G01 (addendum 3). Modified drawing shows correct canopy size.



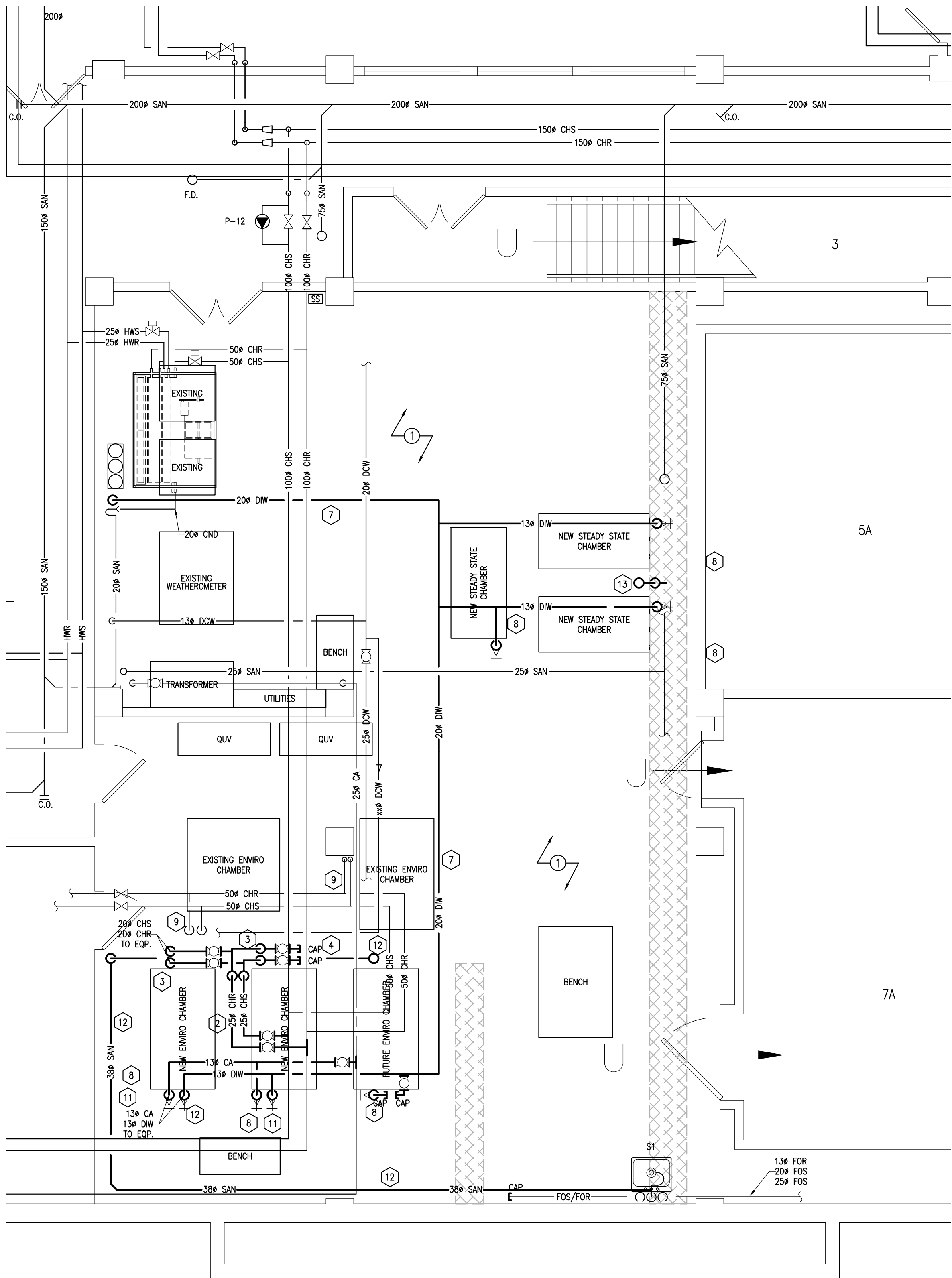
**1**  
**G01**

**BUILDING M-20- PART BASEMENT PLAN  
HVAC- NEW WORK**

SCALE: 1:50

**MECHANICAL NOTES:** (X)

1. PROVIDE NEW CANOPY (3048MM X 3353MM-- (10FT X 11FT)), ALL REQUIRED HANGERS AND SUPPORTS, EXHAUST DUCTWORK, BALANCING DAMPERS AND REQUIRED ACCESSORIES AS INDICATED. MOUNTING HEIGHT OF CANOPY TO BE A MINIMUM OF 2440MM (8FT) TO A MAXIMUM OF 2700MM (9FT) ABOVE FLOOR LEVEL. CANOPY IS TO BE SUPPORTED FROM WALL AND FROM HANGERS FROM CEILING. PROVIDE NEW REQUIRED EXHAUST DUCT, SIZED AND LOCATED AS INDICATED FROM EXISTING TO NEW CANOPY OUTLETS (SIZED AND LOCATED AS INDICATED) C/W BALANCING DAMPERS.
2. PROVIDE NEW 32# CHILLED WATER SUPPLY (CHS) AND 32# CHILLED WATER RETURN (CHR) PIPING FROM SUPPLY MAINS AS INDICATED. PROVIDE ISOLATION VALVES AND SUPPORT STRUCTURE AS INDICATED
3. PROVIDE NEW 20# CHILLED WATER SUPPLY (CHS) AND 20# CHILLED WATER RETURN (CHR) PIPING AND REQUIRED BALL VALVES LOCATED AS INDICATED FOR CLIENT EQUIPMENT. ALL CHILLED WATER PIPING TO BE INSULATED AS PER SPECIFICATIONS. EXACT LOCATION OF CHS AND CHR PIPING DROPS TO BE DETERMINED ON SITE. PROVIDE ANY REQUIRED REDUCERS TO ALLOW FOR CONNECTIONS TO EQUIPMENT. PROVIDE REQUIRED UNI-STRUT SUPPORTS FOR CHILLED WATER PIPING, SUPPORT STRUCTURE TO CONNECT TO FLOOR AND TO CEILING STRUCTURE.
4. PROVIDE NEW 20# CHILLED WATER SUPPLY (CHS) AND CHILLED WATER RETURN (CHR) STUB-OUTS AND BALL VALVES LOCATED AS INDICATED FOR FUTURE USE. PROVIDE TEMPORARY CAP ON OUTLETS.
5. PROVIDE NEW DOMESTIC COLD WATER PIPING (DCW) AND BALL VALVES SIZED AND LOCATED AS INDICATED. ALL DOMESTIC COLD WATER PIPING TO BE INSULATED AS PER SPECIFICATIONS. EXACT LOCATION OF DCW PIPING DROPS TO BE DETERMINED ON SITE.
6. PROVIDE DRAIN PIPING, CLEAN OUTS AND OFF-SETS, SIZED AND LOCATED AS INDICATED. PROVIDE ALL REQUIRED SUPPORTS FOR PIPING.
7. PROVIDE NEW D.I. (DIW) PIPING AND ISOLATION VALVES SIZED AND LOCATED AS INDICATED FROM EXISTING D.I.W. SYSTEM. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION. FOR CLARIFICATION CONNECTION SHOWN AT FRONT. ACTUAL CONNECTION LOCATION T.B.D. ON SITE.
8. PROVIDE NEW D.I. WATER (DIW) PIPING AND ISOLATION VALVES SIZED AND LOCATED AS INDICATED FOR FUTURE USE. DO NOT CONNECT TO NEW D.I. WATER SYSTEM. PROVIDE TEMPORARY CAPS ON BOTH INLET AND OUTLET OF PIPING AS INDICATED. PROVIDE REQUIRED SUPPORT STRUCTURE FOR D.I.W. WATER PIPING.
9. PROVIDE NEW UNI-STRUT SUPPORTS FOR EXISTING CHILLED WATER AND D.C.W. SERVICES FOR EXISTING CLIENT EQUIPMENT. UNI-STRUT TO BE ANCHORED TO FLOOR AND CEILING.
10. TEST, ADJUST AND BALANCE SUPPLY AIR GRILLES (SG1'S- EXISTING) AND HOOD EXHAUST TO AIR QUANTITIES INDICATED.
11. PROVIDE NEW COMPRESSED AIR (CA) PIPING AND ISOLATION VALVES SIZED AND LOCATED AS INDICATED. PROVIDE REQUIRED SUPPORTS TO BRING CA PIPING TO CLIENT EQUIPMENT. FOR CLARITY, CONNECTIONS SHOWN AT FRON, ACTUAL CONNECTION LOCATION T.B.D. ON SITE.
12. PROVIDE NEW 38# CONDENSATE PIPING FROM CLIENT EQUIPMENT DRAINS AS INDICATED. CONNECT TO EXISTING BUILDING SANITARY SERVICES. PIPING TO BE RUN ALONG FLOOR AGAINST WALL. EXACT CONNECT LOCATIONS TO BE DETERMINED ON SITE. 75# CONDENSATE HUB TO BE MOUNTED MINIMUM OF 150MM ABOVE FLOOR LEVEL.
13. PROVIDE NEW 38# SANITARY PIPING FROM CLIENT EQUIPMENT TO DRAINAGE LOCATED IN TRENCH AS INDICATED. PROVIDE PROTECTIVE COVER FOR SANITARY PIPING RUN ALONG FLOOR WHERE THERE IS A TRIPPING HAZARD.



**2**  
**G01**

**BUILDING M-20- PART BASEMENT PLAN  
PLUMBING AND UTILITIES- NEW WORK**

SCALE: 1:50

**ARCHITECTURAL NOTES:** (#)

1. APPLY NEW EPOXY FLOORING THROUGHOUT ROOM 007; SHOT BLAST EXISTING CONCRETE FLOOR. REPAIR ALL CRACKS USING EPOXY TO CREATE A FLUSH, SMOOTH SURFACE. APPLY NEW 2-PART EPOXY FLOORING. STANDARD OF ACCEPTANCE: 2 COATS OF STONHARD "GS-4", COLOUR: "PEWTER", WITH LIGHT TEXTURED FINISH. APPLY AS PER MANUFACTURER'S INSTRUCTIONS.



**GENERAL NOTES**

1. READ THIS DRAWING IN CONJUNCTION WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS AND ALL SPECIFICATIONS.
2. CONTRACTORS TO CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO DEMOLITION OR CONSTRUCTION AND REPORT ANY ERRORS OR OMISSIONS TO NRC REPRESENTATIVE.
3. CONTRACTORS MUST VISIT THE SITE & FULLY FAMILIARIZE THEMSELVES WITH THE SCOPE OF THE WORK.
4. PREVENT THE SPREAD OF DUST & DEBRIS BEYOND THE WORK AREA AND CLEAN ALL SURFACES AT COMPLETION.
5. MAKE GOOD ALL SURFACES AFFECTED BY THIS WORK.
6. COORDINATE ALL SHUTDOWNS WITH THE NRC REPRESENTATIVE.
7. REMOVE MEANS REMOVE AND DISPOSE OF OFF SITE UNLESS OTHERWISE NOTED.
8. ALL FAN COIL UNITS, ALL EXISTING DIFFUSERS AND FUME HOOD TO BE THOROUGHLY CLEANED AFTER CONSTRUCTION TO REMOVE ALL DEBRIS AND DUST DUE TO CONSTRUCTION WORK.

1	OCT. 2013	ADDENDUM 3	JWG/DF
0	AUG. 2013	ISSUED FOR TENDER	JWG/DF
No.	Date	Revision	By: Par:

Date Printed DD MM YYYY Date imprimée

- Verify all dimensions and site conditions and be responsible for same
- Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité

A	A Detail no. No. du détail	A
C	B Location drawing no. sur dessin no.	B C
	C Drawing no. dessin no.	

project  
**BUILDING M-20- ROOM 007- BIOCOMPOSITE LAB RENOVATION**  
project

MONTREAL ROAD CAMPUS  
drawing  
**MECHANICAL- HVAC, PLUMBING AND UTILITIES- NEW WORK**  
dessin

designed <b>JWG/ BL</b>	conçu <b>JWG/BL</b>	date <b>AUG. 2013</b>	date
drown <b>JWG/BL</b>	dessiné	scale <b>AS INDICATED</b>	échelle
checked <b>---</b>	vérifié	sheet <b>1 of/de 2</b>	feuille
approved <b>BY</b>	approuvé	W.O.no. <b>A1-002934-01</b>	D.T.no.

dwg.no.  
**3714-G01**  
dessin no.