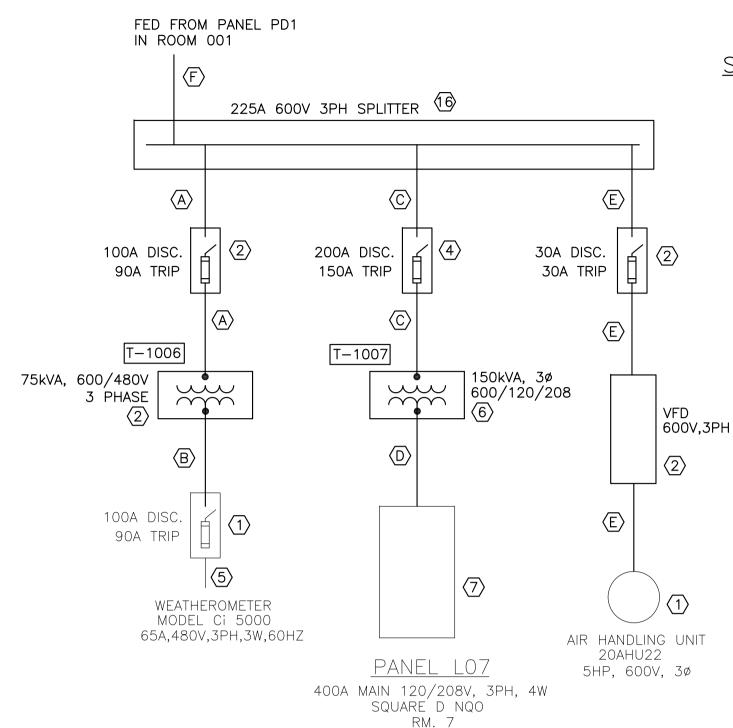


E01

ASPM A1 (841x594)

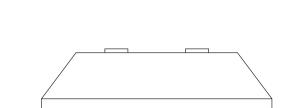
N.T.S.



MODIFICATIONS TO SINGLELINE E01 N.T.S.

SINGLELINE WIRING SCHEDULE

- A. 3-#3 + GND IN 35mm EMT.
- B. 3-#4 + GND IN 35mm EMT.
- C. 3-#2/0 + GRD IN 53mm EMT.
- D. DOUBLE RUN OF 4-250MCM + GRD, EACH IN 63mm EMT.
- E. 3-#12 + GRD IN 16mm EMT.
- F. 3-#4/0 + GND IN 63mm EMT. SPLICE EXISTING 4/0 CABLE TO EXTEND TO NEW LOCATION. EXTEND EXISTING CONDUIT TO NEW LOCATION.



CANOPY LIGHT MOUNTING DETAIL

N.T.S.

E01

- 1. EXISTING ELECTRICAL DEVICE TO REMAIN AS-IS.
- 2. EXISTING ELECTRICAL DEVICE TO BE RELOCATED. 3. EXISTING ELECTRICAL DEVICE TO BE REMOVED.

DRAWING NOTES \bigcirc

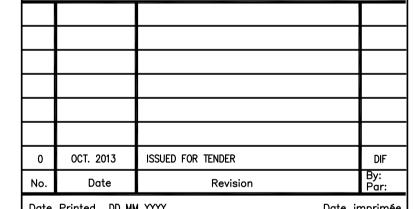
- 4. NEW ELECTRICAL DEVICE.
- 5. EXISTING ELECTRICAL WIRING TO REMAIN.
- 6. REMOVE EXISTING 75kVA TRANSFORMER T-1007 AND TURN OVER TO NRC. REPLACE WITH NEW 150kVA TRANSFORMER.
- 7. EXISTING PANEL LO7 TO BE CONNECTED TO NEW TRANSFORMER T1007.
- 8. EXISTING PANEL PD1 TO REMAIN AS-IS. SHOWN FOR REFERENCE ONLY.
- 9. FEEDER FOR 225A SPLITTER TO BE SPLICED AND EXTENDED TO NEW LOCATION.
- 10. EXISTING DISCONNECTS FOR T1006, T1007, 20AHU22 AND VFD FOR 20AHU22 TO BE RELOCATED TO NEW
- 11. NEW LOCATION FOR EQUIPMENT REFERRED TO IN NOTE 10.
- 12. EXISTING WEATHEROMETER FUSED DISCONNECT TO REMAIN IN PLACE.
- 13. NEW ENVIRO CHAMBER (2 UNITS). FEED FROM PANEL LO7 USING 2P60A BREAKER AND 3 #6 + GROUND IN 27MM EMT. CONNECT TO DISCONNECT INCLUDED WITH UNIT. CONFIRM BREAKER AND WIRE SIZE WITH EQUIPMENT DOCUMENTATION AND ADVISE NRC DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES.
- 14. MOUNT TRANSFORMER T1006 ON RACK ABOVE T1007. RACK TO BE DESIGNED BY STRUCTURAL ENGINEER TO SUPPORT WEIGHT OF TRANSFORMER. SUBMIT STAMPED DESIGN DRAWINGS OF RACK PRIOR TO INSTALLATION.
- 15. CONFIRM EXISTING START-STOP STATION IS SUITABLE FOR NEW EXHAUST FAN 20XAF07 AND REPLACE OVERLOAD PROTECTION IF NECESSARY.
- 16. REPLACE EXISTING 225A, 600V, 1524mm WIDE SPLITTER WITH 225A, 600V, 915mm SPLITTER.
- 17. PROVIDE 4 NEW LIGHT FIXTURES, TYPE A. CONNECT TO EXISTING ROOM LIGHT SWITCH & CIRCUIT USING #12 WIRE IN EMT AND SUSPEND FROM CEILING AT 2745mm A.F.F.
- 18. PROVIDE 4 NEW LIGHT FIXTURES, TYPE B, MOUNTED TO INSIDE OF NEW CANOPY. REFER TO DETAIL 5/E01. PROVIDE NEW SWITCH AS SHOWN AND CIRCUIT FROM L07-9.
- 19. REMOVE EXISTING 3 LIGHT FIXTURES. REMOVE WIRE AND CONDUIT BACK TO SOURCE.

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GENERAL NOTES

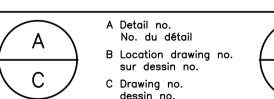
- READ THIS DRAWING IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS.
- CONTRACTORS TO CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO DEMOLITION OR CONSTRUCTION AND REPORT ANY ERRORS OR OMISSIONS TO NRC DEPARTMENTAL REPRESENTATIVE.
- CONTRACTORS MUST VISIT THE SITE & FULLY FAMILIARIZE THEMSELVES WITH THE SCOPE OF THE WORK.
- PREVENT THE SPREAD OF DUST & DEBRIS BEYOND THE WORK AREA AND CLEAN ALL SURFACES AT COMPLETION.
- MAKE GOOD ALL SURFACES AFFECTED BY THIS WORK.
- COORDINATE ALL SHUTDOWNS WITH THE NRC DEPARTMENTAL REPRESENTATIVE.
- FILL ALL HOLES, PATCH & PAINT ALL SURFACES IN CONTRACT AREA. COLOUR SCHEME TO MATCH EXISTING.
- REMOVE MEANS REMOVE AND DISPOSE OF OFF SITE UNLESS OTHERWISE NOTED.
- PROVIDE LABELS TO NEW DEVICES TO INDICATE POWER SOURCE. UPDATE PANEL SCHEDULES AFTER JOB COMPLETION.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR FINAL PLACEMENT OF LIGHT FIXTURES.
- ALL WIRE TO BE IN EMT UNLESS OTHERWISE NOTED.



Date Printed DD MM YYYY Date imprimé

o Verify all dimensions and site conditions and be responsible o Vérifier toutes les dimensions et l'etat des liéux et en

assumer la responsabilité



BUILDING M-20- ROOM B007-**BIOCOMPOSITE LAB RENOVATION**

MONTREAL ROAD CAMPUS

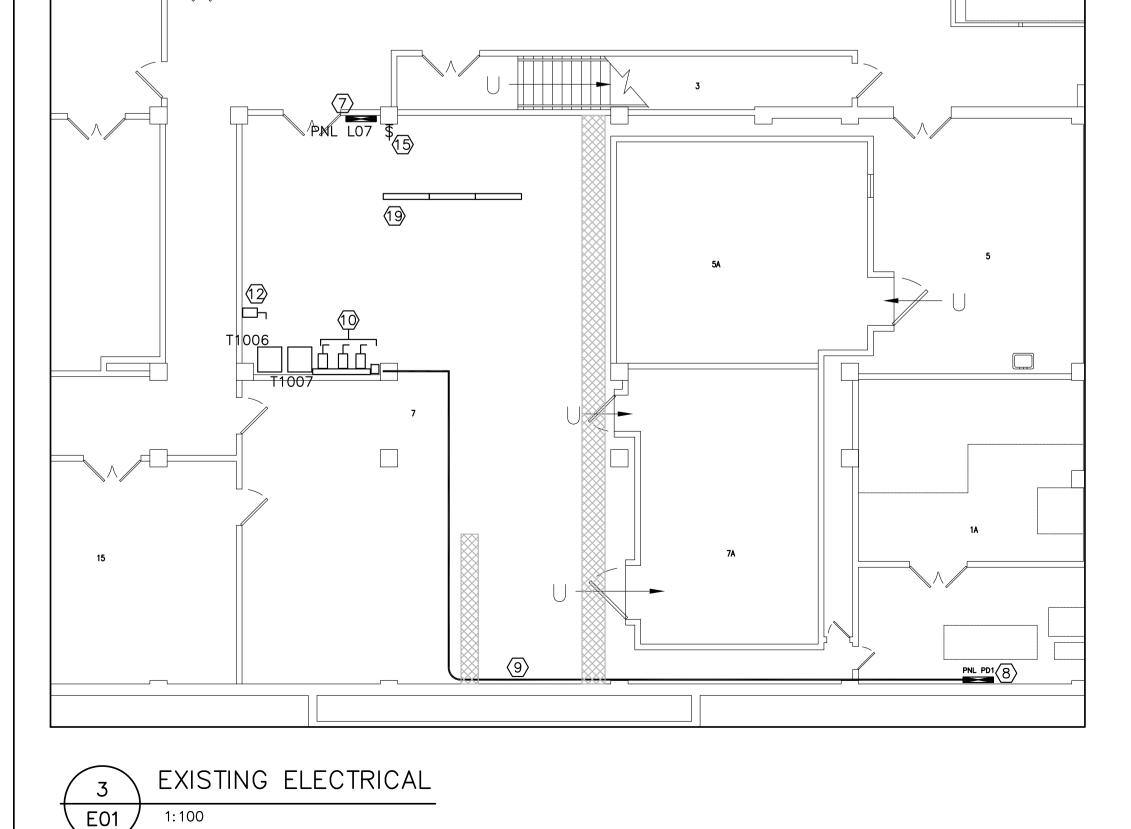
ELECTRICAL WORK

designed DIF	conçu	AUG. 2013
drawn DIF	dessiné	Scale Échelle AS NOTED
checked K.X.L.	vérifié	sheet feuille E01 of/de 1
approved	approuvé	W.O.no. D.T.no.
l by		1-002Q3 <i>1</i> -01

A1-002934-01 dessin no.

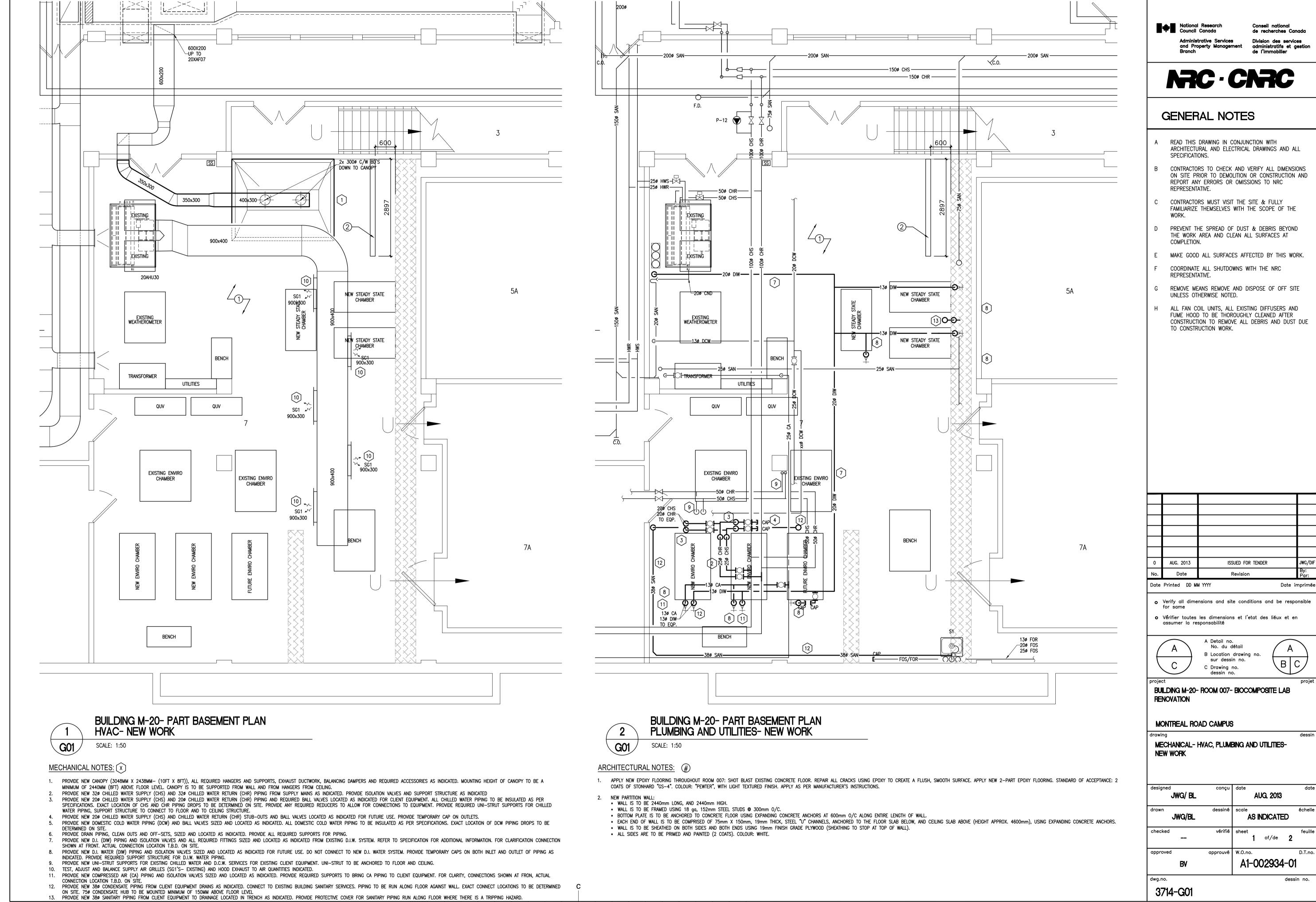
3714-E01

<u> 107-2/4</u> L07-6/8



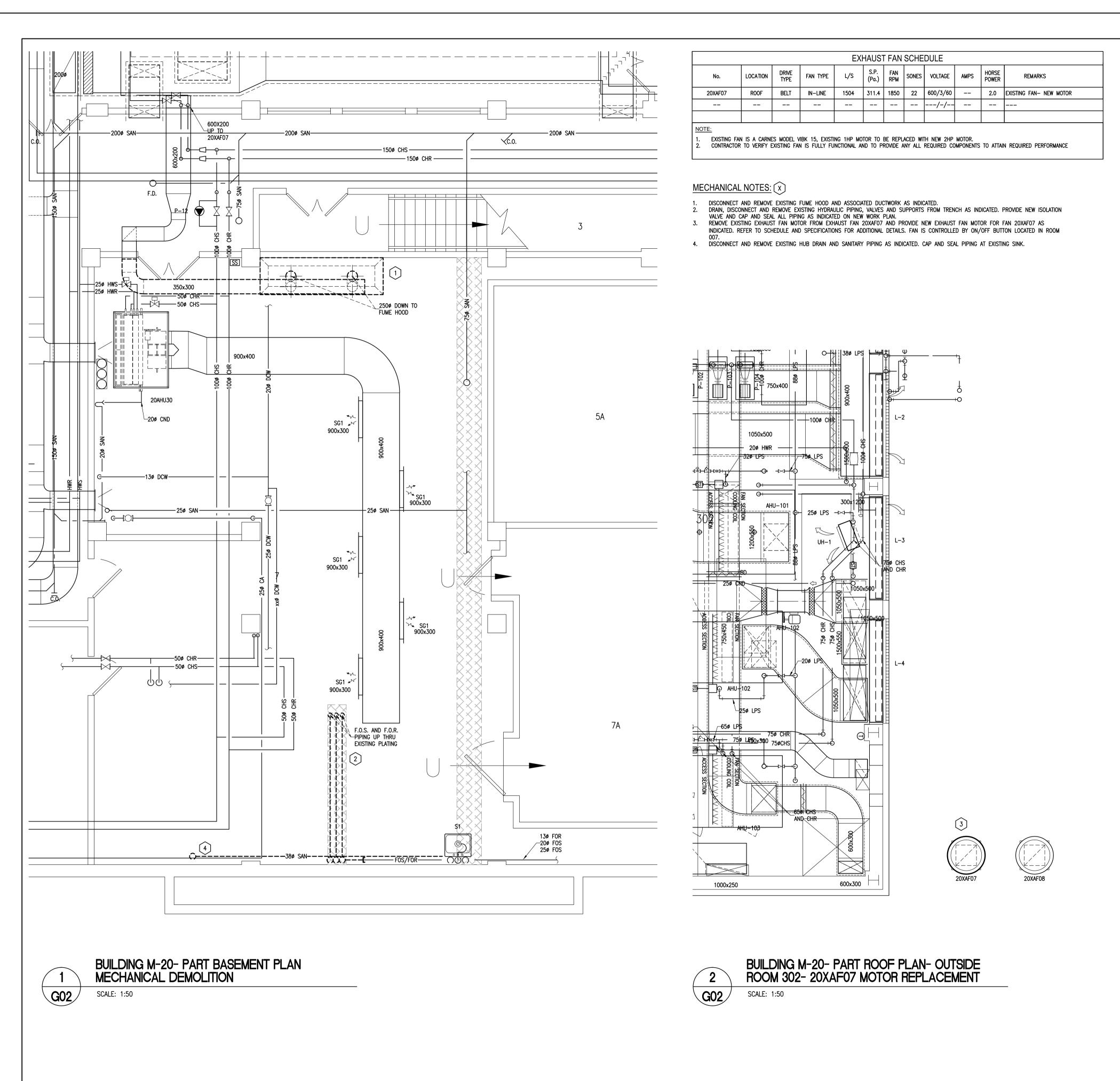
NEW ELECTRICAL WORK E01 1:100

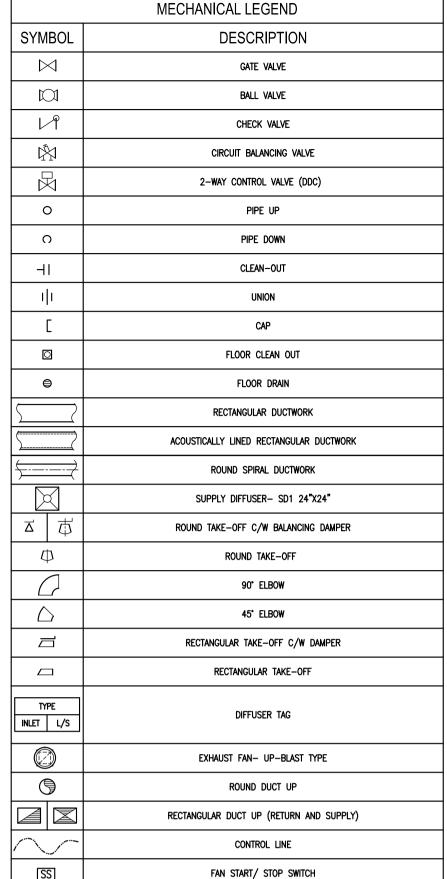
0 10 20mm 40 60 80 100 120 140 160 180 200mm



JWG/ BL	conçu	AUG. 2013
drawn JWG/BL	dessiné	scale échelle AS INDICATED
checked	vérifié	sheet feuille 1 of/de 2
approved	approuvé	W.O.no. D.T.no.
BV		A1-002934-01

ASPM A1 (841x594)





	MECHANICAL LINE TYPE LEGEND		
LINE	DESCRIPTION		
DCW	DOMESTIC COLD WATER		
DHW	DOMESTIC HOT WATER		
SAN	SANITARY DRAIN		
v	VENT		
cws	CHILLED WATER SUPPLY		
CWR	CHILLED WATER RETURN		
H W S	HEATING WATER SUPPLY		
HWR	HEATING WATER RETURN		
N	NITROGEN		
CA	COMPRESSED AIR		
LPS	LOW PRESSURE STEAM		
——LPC ——	LOW PRESSURE CONDENSATE		
	INDICATES NEW		
	INDICATES EXISTING (TO REMAIN)		
	INDICATES DEMOLISHED/ REMOVED		



BUILDING M-20- BASEMENT- ROOM 007 PHOTO- PIPING TO BE REMOVED FROM TRENCH

SCALE: N/A

G02



GENERAL NOTES

- A READ THIS DRAWING IN CONJUNCTION WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS AND ALL SPECIFICATIONS.
- CONTRACTORS TO CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO DEMOLITION OR CONSTRUCTION AND REPORT ANY ERRORS OR OMISSIONS TO NRC REPRESENTATIVE.
- CONTRACTORS MUST VISIT THE SITE & FULLY FAMILIARIZE THEMSELVES WITH THE SCOPE OF THE
- PREVENT THE SPREAD OF DUST & DEBRIS BEYOND THE WORK AREA AND CLEAN ALL SURFACES AT
- MAKE GOOD ALL SURFACES AFFECTED BY THIS WORK.
- COORDINATE ALL SHUTDOWNS WITH THE NRC REPRESENTATIVE.

UNLESS OTHERWISE NOTED.

- G REMOVE MEANS REMOVE AND DISPOSE OF OFF SITE
- H 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.

0	AUG. 2013	ISSUED FOR TENDER	JWG/DIF
No.	Date	By: Revision Par:	

Date Printed DD MM YYYY Date imprimée

• Verify all dimensions and site conditions and be responsible

o Vérifier toutes les dimensions et l'état des liéux et en

RENOVATION

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

C Drawing no. dessin no. BUILDING M-20- ROOM B007- BIOCOMPOSITE LAB

MONTREAL ROAD CAMPUS

BASEMENT- HVAC, PLUMBING AND UTILITIES DEMOLITION ROOF- HVAC REWORK, LEGENDS AND SCHEDULES

designed JWG/ BL	conçu	AUG. 2013	
drawn JWG/ BL	dessiné	AS INDICATED échelle	
checked	vérifié	sheet feuille 2 of/de 2	
approved	approuvé	W.O.no. D.T.no.	
BV		A1-002934-01	

dessin no.

3714-G02

ASPM A1 (841x594)