

LEGEND

	HAZARDOUS CLASS I, ZONE 1, GROUP IIA
	HAZARDOUS CLASS I, ZONE 2, GROUP IIA
	CATEGORY 1 (MOISTURE)
	CATEGORY 2 (CORROSIVE)
	CATEGORY 2 WET (MOISTURE & CORROSIVE)

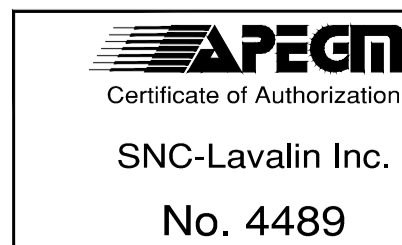
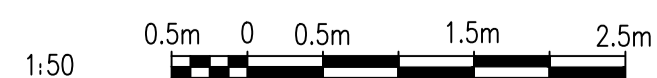


VENTILATION ANALYSIS							
SPACE	VENTILATION			PRESSURE	HEATED	VENT FAILURE DETECTION	NOTES
	OUTDOOR	TRANSFER	RETURN				
EQUIPMENT ROOM	5.2 ACH (WINTER) 10.6 ACH (SUMMER)	0.2 ACH	-	NEUTRAL	YES	YES (SEE NOTE 1)	1, 2

1. VENTILATION FAILURE DETECTION IS PROVIDED ON Z140-AHU, WHICH PROVIDES 5.2ACH OF VENTILATION. VENTILATION FAILURE DETECTION IS NOT PROVIDED ON Z150-SF.

2. THE EXISTING VENTILATION HAS BEEN SHOWN TO BE SUFFICIENT ENOUGH TO LIMIT THE MOISTURE IN THE SPACE TO LEVELS WHERE THE NORMAL OPERATION OF ELECTRICAL EQUIPMENT WILL NOT BE AFFECTED.

NOTES:
1. THE INDICATED VENTILATION RATES ARE BASED ON EXISTING DOCUMENTATION AND HAVE NOT BEEN VERIFIED VIA ONSITE TESTING.



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER, BID OPP. 209-2011	2011/03/31	TMC	CJR

SNC-LAVALIN INC.
148 Nature Park Way
Winnipeg, MB, Canada R3P 0X7
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DESIGNED BY: I. CHURCH
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SCALE: 1:50
DATE: 2009/11/06

CHECKED BY: C. REIMER
APPROVED BY: C. REIMER
RELEASED FOR CONSTRUCTION BY: N. HARRINGTON
DATE: 2011/03/31

CONSULTANT NO.: 112577-0113-47DD-1700

ENGINEER'S SEAL
ORIGINAL DRAWING
SEALED BY:
C. J. REIMER
SNC-LAVALIN
MEMBER # 21968
2011/03/31
REV. 00

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
ELECTRICAL CLASSIFICATION UPGRADES
ELECTRICAL CLASSIFICATION PLAN
EFFLUENT AND DISINFECTION BUILDING

CITY DRAWING NUMBER: 1-0102U-E0005
SHEET: 001
REV: 00
SIZE: A1

DRAWING NUMBER	REFERENCE DRAWINGS
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