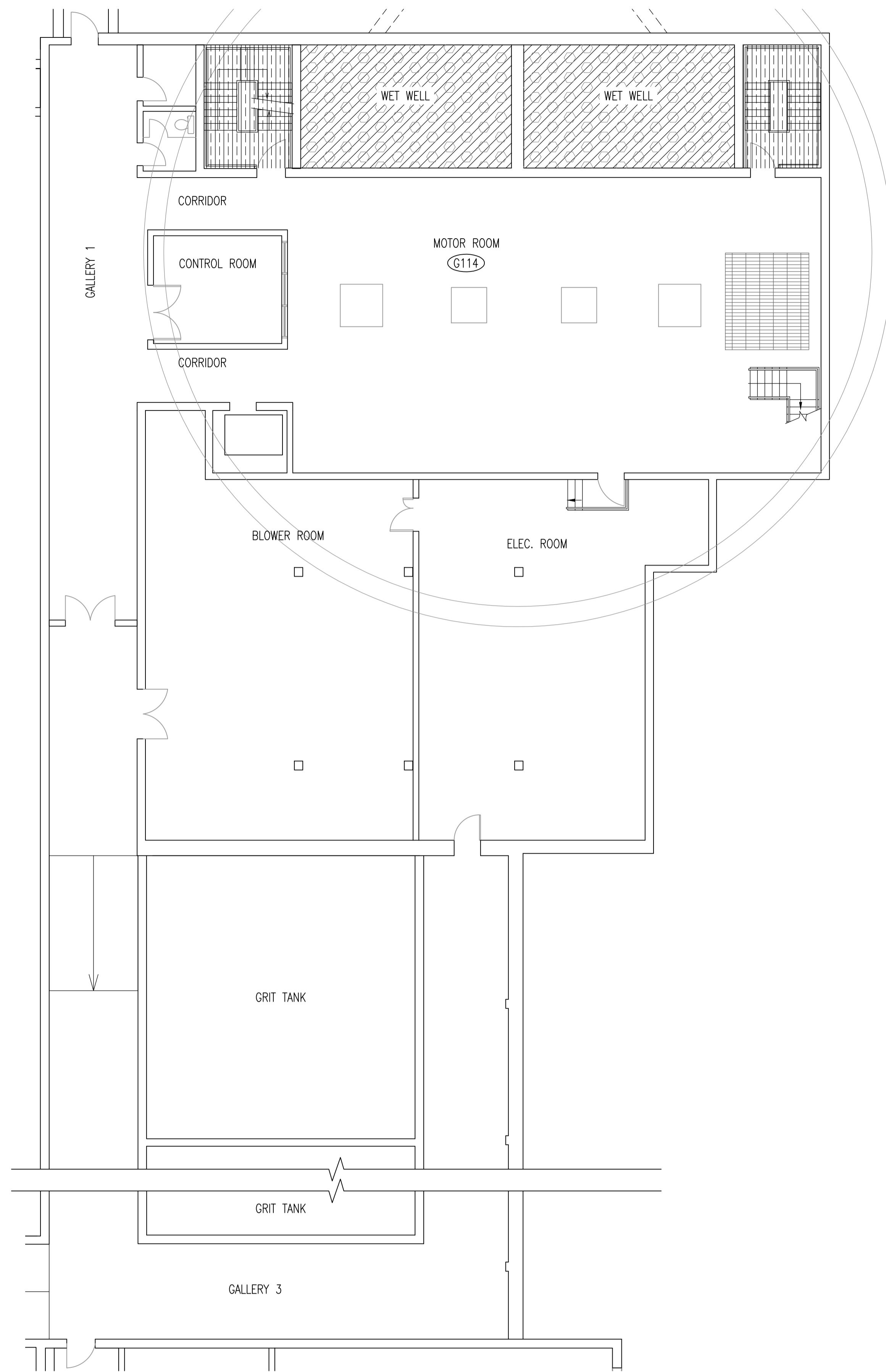


KEYPLAN

VENTILATION ANALYSIS							
SPACE	OUTDOOR	VENTILATION TRANSFER	RETURN	PRESSURE	HEATED	VENT FAILURE DETECTION	NOTES
MOTOR ROOM	2.4 ACH	-	0-19.6 ACH	POSITIVE	YES	YES	1, 2, 5
GALLERY 1 NORTH	-	-	-	POSITIVE	YES	N/A	3, 5
CONTROL ROOM	7.9 ACH	-	54.6 ACH	POSITIVE	YES	YES	5
BLOWER ROOM	0-8.9 ACH	-	0-8.9 ACH	POSITIVE	YES	YES	4, 5
ELECTRICAL ROOM	0-8.9 ACH	-	0-8.9 ACH	POSITIVE	YES	YES	4, 5
GALLERY 1 SOUTH	3.13 ACH	-	-	NEUTRAL	YES	YES	5
GALLERY 2	3.13 ACH	-	-	NEUTRAL	YES	YES	5
GALLERY 3 EAST	3.13 ACH	-	-	NEUTRAL	YES	YES	5

SPECIFIC NOTES:

- MOTOR ROOM COOLING IS PROVIDED.
- THE MOTOR ROOM INCLUDES THE MAIN LEVEL VIEWING GALLERY.
- GALLERY 1 NORTH IS INDIRECTLY VENTILATED BY THE MOTOR ROOM VENTILATION.
- COOLING IS PROVIDED FOR THE BLOWER AND ELECTRICAL ROOM. THE TOTAL VENTILATION IS 8.9 ACH.
- 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.

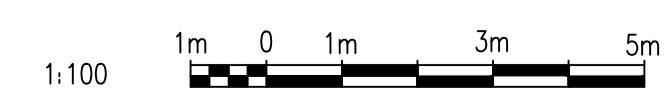


LEGEND	
	HAZARDOUS CLASS I, ZONE 1, GROUP IIA
	HAZARDOUS CLASS I, ZONE 2, GROUP IIA
	CATEGORY 1 (MOISTURE)
	CATEGORY 2 (CORROSIVE)
	CATEGORY 2 WET (MOISTURE & CORROSIVE)

GRIT BUILDING - LOWER LEVEL

DRAWING NUMBER	REFERENCE DRAWINGS
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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
 204-786-8080

DESIGNED BY: I. CHURCH
 CHECKED BY: C. REIMER
 DRAWN BY: S. COATES
 APPROVED BY: C. REIMER
 SCALE: 1:100
 RELEASED FOR CONSTRUCTION BY: N. HARRINGTON
 DATE: 2009/11/05
 DATE: 2011/03/31
 CONSULTANT NO.: 112577-0113-480D-1201

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
 GRIT BUILDING - LOWER LEVEL

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102G-E0013	001	00	A1