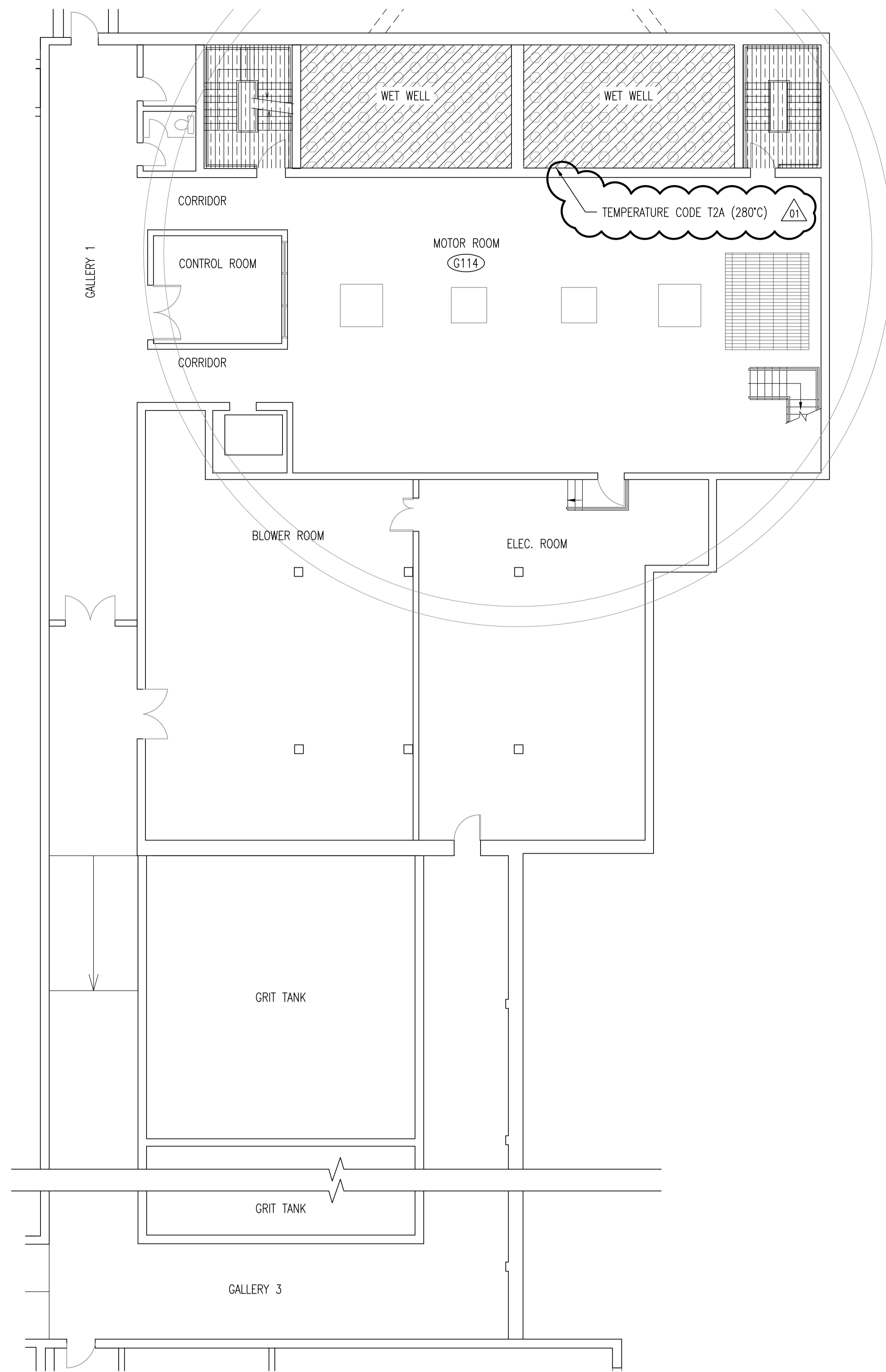


KEYPLAN

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:
 1. MOTOR ROOM COOLING IS PROVIDED.
 2. THE MOTOR ROOM INCLUDES THE MAIN LEVEL VIEWING GALLERY.
 3. GALLERY 1 NORTH IS INDIRECTLY VENTILATED BY THE MOTOR ROOM VENTILATION.
 4. COOLING IS PROVIDED FOR THE BLOWER AND ELECTRICAL ROOM. THE TOTAL VENTILATION IS 8.9 ACH.
 5. 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.

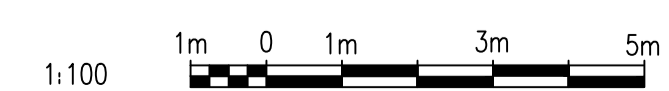


LEGEND	
	HAZARDOUS CLASS I, ZONE 1, GROUP IIA
	HAZARDOUS CLASS I, ZONE 2, GROUP IIA
	CATEGORY 1 (MOISTURE)
	CATEGORY 2 (CORROSIVE)
	CATEGORY 2 WET (MOISTURE & CORROSIVE)

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
01	MODIFIED TEMPERATURE CODE	2012/02/12	TMC	CJR
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: T. CHURCH	CHECKED BY: C. REIMER
DRAWN BY: S. COATES	APPROVED BY: C. REIMER
SCALE: 1:100	RELEASED FOR CONSTRUCTION BY: N. HARRINGTON DATE: 2011/03/31
DATE: 2009/11/05	DATE: 2011/03/31
CONSULTANT NO.: 112577-0113-47DD-1201	

ENGINEER'S SEAL
 ORIGINAL DRAWING
 SEALED BY:
 T. M. CHURCH
 SNC-LAVALIN
 MEMBER #32682
 2012/02/15
 REV. 01
 CHANGES ONLY

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: 1-0102G-E0013
 SHEET: 001
 REV: 01
 SIZE: A1