

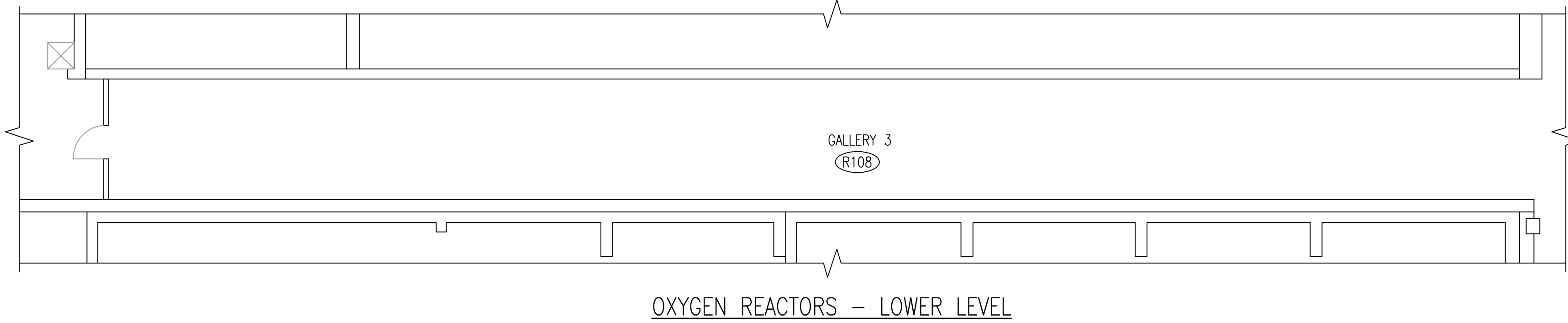
KEYPLAN

LEGEND

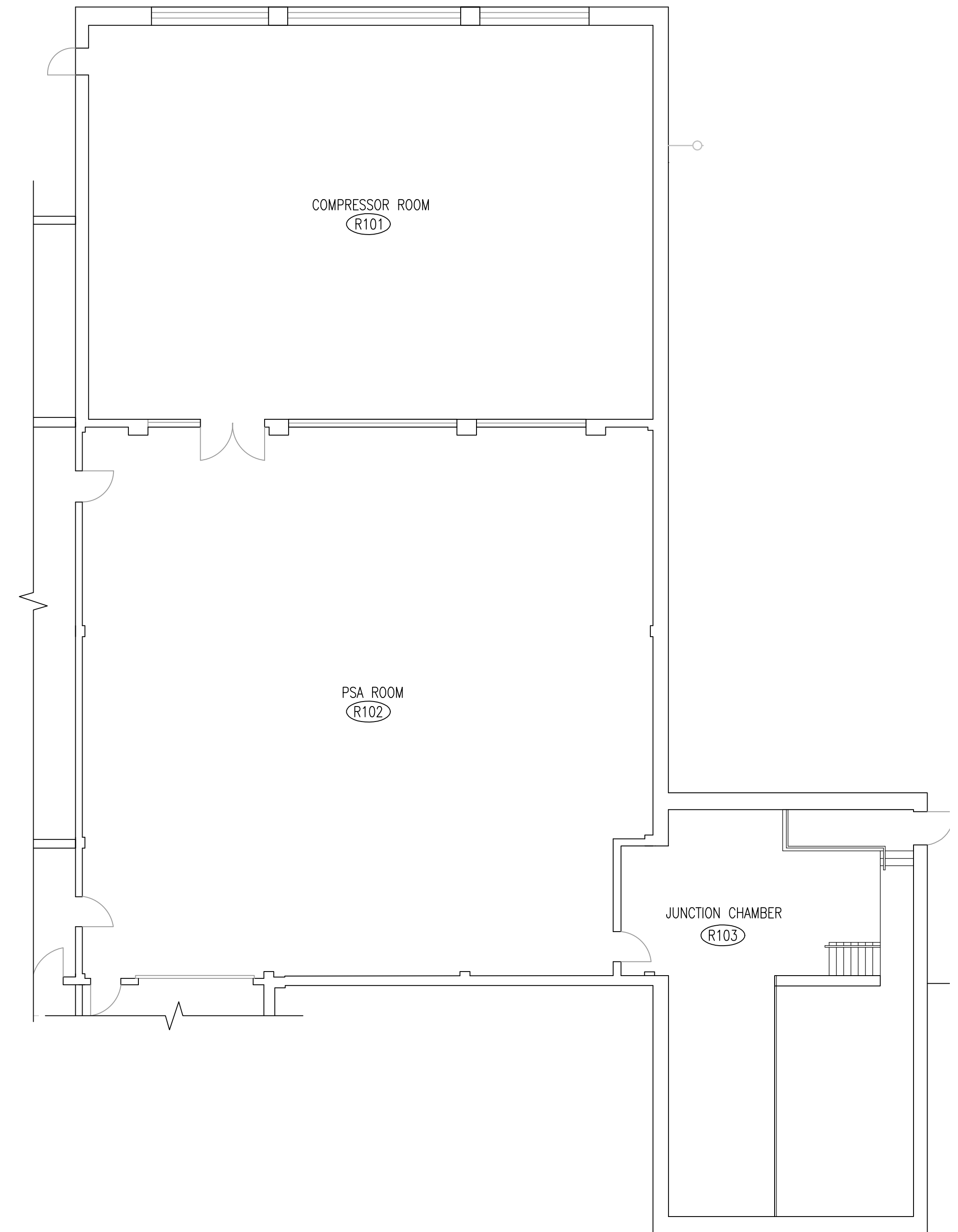
	HAZARDOUS CLASS I, ZONE 1, GROUP IIA
	HAZARDOUS CLASS I, ZONE 2, GROUP IIA
	CATEGORY 1 (MOISTURE)
	CATEGORY 2 (CORROSIVE)
	CATEGORY 2 WET (MOISTURE & CORROSIVE)

VENTILATION ANALYSIS							
SPACE	OUTDOOR	VENTILATION TRANSFER	RETURN	PRESSURE	HEATED	VENT FAILURE DETECTION	NOTES
JUNCTION CHAMBER	0	~6.1 ACH	0	NEGATIVE	YES	YES	
OXYGEN REACTOR GALLERY	~2.0 ACH	-	0	POSITIVE	YES	YES	1

SPECIFIC NOTES:  
 1. 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.



OXYGEN REACTORS - LOWER LEVEL



OXYGEN REACTORS - MAIN LEVEL

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: 2009/11/06	DATE: 2011/03/31
CONSULTANT NO.: 112577-0113-47DD-1500	

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  
 OXYGEN REACTORS  
 CITY DRAWING NUMBER: 1-0102R-E0005  
 SHEET: 001  
 REV.: 00  
 SIZE: A1

DRAWING NUMBER	REFERENCE DRAWINGS
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