



EXTERIOR PANEL ELEVATION

SCALE: 1 : 1

INTERIOR PANEL ELEVATION

SCALE: 1 : 1

TYPICAL NEMA 4X JUNCTION BOX

BILL OF MATERIAL			
ITEM	QTY	DESCRIPTION	MANUFACTURER
1	AS REQ'D	NEMA 4X ENCL. CONTINUOUS-HINGE WITH CLAMPS, 152X152X102MM	HOFFMAN
2	AS REQ'D	PANEL FOR ITEM 1	HOFFMAN
3	AS REQ'D	LAMACOIDS PER JUNCTION BOX SCHEDULE	-
4	AS REQ'D	35mm DIN RAIL	PHOENIX CONTACT
5	AS REQ'D	TERMINAL END CLAMP - CLIPFIX 35	PHOENIX CONTACT
6	AS REQ'D	FEED-THROUGH TERMINAL - UT 4-MTD	PHOENIX CONTACT
7	AS REQ'D	TERMINAL END PLATE - D-UT 2,5/4 TWIN	PHOENIX CONTACT
8	AS REQ'D	GROUND BAR, 6 TAPS	ILSCO

JUNCTION BOX SCHEDULE		
IDENTIFIER	NUMBER OF TERMINALS	DESCRIPTION
JB-C6301	7	SUPPLY FAN SF-C630 DAMPER XV-C6301
JBA-C6701	7	SCRUBBER SCRB-C670 DAMPER XV-C6701
JBA-C6401	7	EXHAUST FAN EF-C640 DAMPER XV-C6401
JBA-C6411	7	EXHAUST FAN EF-C641 DAMPER XV-C6411
JBA-C6421	7	EXHAUST FAN EF-C642 DAMPER XV-C6421

GENERAL NOTES:

- ALL POWER AND 120 VAC WIRING ARE TEW/MTW 300V, 105°C INSULATION, STRANDED COPPER, 12 AWG OR LARGER WHERE CURRENT REQUIREMENTS DICTATE AS PER CEC REQUIREMENTS.
- ALL 24 VDC CONTROL WIRING IS TEW/MTW 300V, 105°C INSULATION, STRANDED COPPER, 16 AWG.
- COMPONENTS ARE LABELED AS SHOWN ON THE DRAWINGS.
- TESTED ALL WIRING AND COMPONENTS FOR FUNCTIONAL OPERATION, CORRECT CONNECTION, CONTINUITY AND INSULATION INTEGRITY. DOCUMENTED ALL TEST RESULTS.
- ALL MAJOR COMPONENTS INSIDE THE PANEL ARE LABELED WITH LAMACOIDS IN ACCORDANCE WITH MAJOR DESCRIPTIONS ON THE DRAWINGS.
- PROVIDED WIRE BARREL FERRULES FOR ALL WIRING.
- ALL TERMINAL BLOCKS ARE NUMBERED AS SHOWN IN THE DRAWINGS, COMPLETE WITH GROUP LABELING.
- ALL WIRES ARE MARKED AS INDICATED ON THE DRAWINGS.

SPECIFIC NOTES:

1 PROVIDED JUNCTION BOX FOR ASSOCIATED DAMPER ACTUATOR. JUNCTION BOX WAS INSTALLED WITHIN ONE (1) METER OF DAMPER ACTUATOR.

1-0630M-E0083	CONNECTION DIAGRAM, CHLORINE GAS SCRUBBER SCBR-C670
1-0630M-E0082	EXHAUST FAN EF-C642, CHLORINATOR EQUIPMENT ROOM
1-0630M-E0081	SUPPLY FAN SF-C630, CHLORINATOR EQUIPMENT ROOM
1-0630M-E0080	EXHAUST FAN EF-C641, TONNER STORAGE ROOM
1-0630M-E0079	EXHAUST FAN EF-C640, TONNER STORAGE ROOM
1-0630M-E0073	ELECTRICAL EQUIPMENT PLAN, CHLORINE BUILDING
DRAWING NUMBER	REFERENCE DRAWINGS

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES
0.0 0.01 0.02 0.04 0.06
1:1

ENGINEERS
GEOSCIENTISTS
MANITOBA
Certificate of Authorization
AtkinsRéalis Canada Inc.
No. 4489

AtkinsRéalis		148 Nature Park Way, Winnipeg, Manitoba Canada R3P 0X7 204-786-8080	ENGINEER'S SEAL	THE CITY OF WINNIPEG	
DESIGNED BY:	CHECKED BY:	Winnipeg		WATER AND WASTE DEPARTMENT	
V. ELIMBAN	V. ELIMBAN				
DRAWN BY:	APPROVED BY:				
D. PELLEGRINO	V. ELIMBAN				
SCALE: 1 : 1	ISSUED FOR TENDER AND CONSTRUCTION	2025/04/30		BY: M. SKINNER	PANEL LAYOUT
	VE	VE	DATE: 2023/08/30	DAMPER-ACTUATOR	
DATE: 2023/08/30	CONSULTANT NO.:	DATE: 2025/04/30		JUNCTION BOXES	
00 ISSUED FOR TENDER AND CONSTRUCTION	NO. REVISIONS	DATE DESIGN CHECK	CITY DRAWING NUMBER	SHEET	
2025/04/30			1-0630M-A0072	REV.	
VE			001	SIZE	
VE			00	A1	