



EXTERIOR PANEL VIEW

1 : 4

INTERIOR PANEL VIEW

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JBA-C6903 BILL OF MATERIAL			
ITEM	QTY	DESCRIPTION	MANUFACTURER
1	1	NEMA 4X RATED ENCLOSURE, SCREW DOWN COVER - 610x610x152	HOFFMAN
2	1	BACK PANEL FOR ITEM 1 - SUPPLIED BY VENDOR	HOFFMAN
3	AS REQ'D	FEED-THROUGH TERMINAL - UK 16	PHOENIX CONTACT
4	3	TERMINAL END PLATE - D-UT 2,5/4 TWIN	PHOENIX CONTACT
5	6	TERMINAL END CLAMP - CLIPFIX 35	PHOENIX CONTACT
6	3	TERMINAL BLOCK MARKER - KLM-A	PHOENIX CONTACT
7	3	FUSED MODULAR TERMINAL BLOCK - UK-10-DREHSI (6.3x32) WITH A 1A FUSE	PHOENIX CONTACT
8	AS-REQ'D	NARROW SLOT WIRING DUCT AND COVER, 2.25"x3.12"	PANDUIT
9	AS-REQ'D	NARROW SLOT WIRING DUCT AND COVER, 1.25"x3.12"	PANDUIT
10	3	IDENTIFIER LAMACOIDS	-
11	AS-REQ'D	35mm DIN RAIL	PHOENIX CONTACT
12	1	GROUND BAR, 12 TAPS	ILSCO
13	1	RELAY SOCKET	RELECO
14	1	4P CONTROL RELAY	RELECO

## GENERAL NOTES:

- ALL POWER AND 120VAC WIRING IS TO BE 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 TO BE TEW/MTW 300V, 105°C INSULATION, STRANDED COPPER, 16 AWG.
- COMPONENTS ARE TO BE LABELLED AS SHOWN ON THE DRAWINGS.
- TEST ALL WIRING AND COMPONENTS FOR FUNCTIONAL OPERATION, CORRECT CONNECTION, CONTINUITY AND INSULATION INTEGRITY. DOCUMENT ALL TEST RESULTS.
- ALL MAJOR COMPONENTS INSIDE THE PANEL ARE TO BE LABELLED WITH LAMACOIDS IN ACCORDANCE WITH MAJOR DESCRIPTIONS ON THE DRAWINGS.
- ALL TERMINAL BLOCKS ARE TO BE NUMBERED AS SHOWN IN THE DRAWINGS, COMPLETE WITH GROUP LABELLING.
- ALL WIRES SHALL BE MARKED AS INDICATED ON THE DRAWINGS.

1-0640C-E0015	ELECTRICAL EQUIPMENT AND INSTRUMENTATION PLAN, CHLORINE BUILDING
1-0640C-A0017	LOOP DIAGRAM, CHLORINE DETECTION, AIT-C6903-3
1-0640C-A0016	LOOP DIAGRAM, CHLORINE DETECTION, AIT-C6903-2
1-0640C-A0015	LOOP DIAGRAM, CHLORINE DETECTION, AIT-C6903-1
DRAWING NUMBER	REFERENCE DRAWINGS

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

AtkinsRéalis		THE CITY OF WINNIPEG	
148 Nature Park Way, Winnipeg, Manitoba Canada R3P 0X7 204-786-8080		Winnipeg	
DESIGNED BY: B. WILKS	CHECKED BY: V. ELIMBAN	MCPHILLIPS PUMPING STATION CHLORINE SYSTEM UPGRADES JUNCTION BOX LAYOUT JBA-C6903	
DRAWN BY: B. WILKS	APPROVED BY: V. ELIMBAN	CITY DRAWING NUMBER 1-0640C-A0023	
SCALE: AS SHOWN	ISSUED FOR CONSTRUCTION BY: M. SKINNER	DATE: 2023/06/23	DATE: 2025/04/30
NO. REVISIONS	DATE DESIGN CHECK	CONSULTANT NO.:	