



JBA-C6903 BILL OF MATERIAL				
ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
1	1	NEMA 4X RATED ENCLOSURE, SCREW DOWN COVER - 610x610x152	HOFFMAN	A242406SSLP
2	1	BACK PANEL FOR ITEM 1 - SUPPLIED BY VENDOR	HOFFMAN	A24P24
3	AS REQ'D	FEED-THROUGH TERMINAL - UK 16	PHOENIX CONTACT	3046184
4	3	TERMINAL END PLATE - D-UT 2,5/4 TWIN	PHOENIX CONTACT	3047141
5	6	TERMINAL END CLAMP - CLIPFIX 35	PHOENIX CONTACT	3022218
6	3	TERMINAL BLOCK MARKER - KLM-A	PHOENIX CONTACT	1004348
7	3	FUSED MODULAR TERMINAL BLOCK - UK-10-DREHSI (6.3X32) WITH A 1A FUSE	PHOENIX CONTACT	3005507
8	AS-REQ'D	NARROW SLOT WIRING DUCT AND COVER, 2.25"x3.12"	PANDUIT	F2X3LG6
9	AS-REQ'D	NARROW SLOT WIRING DUCT AND COVER, 1.25"x3.12"	PANDUIT	F1X3LG6
10	3	IDENTIFIER LAMACOIDS	-	-
11	AS-REQ'D	35mm DIN RAIL	PHOENIX CONTACT	0801733
12	1	GROUND BAR, 12 TAPS	ILSCO	D167-12
13	1	RELAY SOCKET	RELECO	SB-4
14	1	4P CONTROL RELAY	RELECO	C4-A40

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.

1-0630M-A0065-67	LOOP DIAGRAMS, CHLORINE DETECTION
1-0630M-E0073	ELECTRICAL EQUIPMENT PLAN, CHLORINE BUILDING
DRAWING NUMBER	REFERENCE DRAWINGS

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

00	ISSUED FOR TENDER AND CONSTRUCTION	2025/04/30	VE	VE
NO. REVISIONS	DATE DESIGN	CONSULTANT NO.	CHECK	

 **AtkinsRéalis**
148 Nature Park Way, Winnipeg, Manitoba
Canada R3P 0X7 204-786-8080
ENGINEER'S SEAL
DESIGNED BY: B. WILKS CHECKED BY: V. ELIMBAN
DRAWN BY: B. WILKS APPROVED BY: V. ELIMBAN
SCALE: AS SHOWN ISSUED FOR CONSTRUCTION
DATE: 2023/06/11 BY: M. SKINNER
DATE: 2025/04/30 CONSULTANT NO.:
CITY DRAWING NUMBER 1-0630M-A0070 SHEET 00 REV. A1

 **THE CITY OF WINNIPEG**
WATER AND WASTE DEPARTMENT
MACLEAN PUMPING STATION
CHLORINE SYSTEM UPGRADES
JUNCTION BOX LAYOUT
JBA-C6903