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| 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

| | | | | |
|--|---------------|-----------------|----------------------|----------------------------|
| <p>AtkinsRéalis 148 Nature Park Way, Winnipeg, Manitoba Canada R3P 0X7 204-786-8080</p> | | ENGINEER'S SEAL | THE CITY OF WINNIPEG | |
| | | | Winnipeg | WATER AND WASTE DEPARTMENT |
| MACLEAN PUMPING STATION | | | | |
| TONNER SCALE ROOM BYPASS SWITCH | | | | |
| LZ-809-HS-1 | | | | |
| LAYOUT | | | | |
| CITY DRAWING NUMBER | 1-0630M-A0073 | SHEET | 001 | REV. A1 |
| NO. REVISIONS | | DATE | | |
| CONSULTANT NO.: | | DATE | | |
| 00 ISSUED FOR TENDER AND CONSTRUCTION | 2025/04/30 | VE | VE | |
| DATE: 2023/10/03 | | | | |

| BILL OF MATERIAL | | | | |
|------------------|----------|--|--------------------|---------------|
| ITEM | QTY | DESCRIPTION | MANUFACTURER | |
| ① | AS REQ'D | NEMA 4X ENCL. CONTINUOUS-HINGE WITH CLAMPS, 305X254X152MM | HOFFMAN | A121006CHNFSS |
| ② | AS REQ'D | PANEL FOR ITEM 1 | HOFFMAN | A12P10 |
| ③ | AS REQ'D | LAMACOIDS | - | |
| ④ | AS REQ'D | 35mm DIN RAIL | PHOENIX CONTACT | 0801733 |
| ⑤ | AS REQ'D | TERMINAL END CLAMP - CLIPFIX 35 | PHOENIX CONTACT | 3022218 |
| ⑥ | AS REQ'D | FEED-THROUGH TERMINAL - UT 4-MTD | PHOENIX CONTACT | 3046184 |
| ⑦ | AS REQ'D | TERMINAL END PLATE - D-UT 2,5/4 TWIN | PHOENIX CONTACT | 3047141 |
| ⑧ | AS REQ'D | GROUND BAR, 6 TAPS | ILSCO | D167-6 |
| ⑨ | 1 | 30MM PUSH BUTTON, TYPE SK, PILOT LIGHT, 120VAC, RED PLASTIC, NEMA 4X | SCHNEIDER ELECTRIC | 9001SKP38R31 |
| ⑩ | 1 | 22MM HARMONY XB4, 2 POSITION KEY SWITCH SELECTOR, 1 NO CONTACT | SCHNEIDER ELECTRIC | XB4BG21 |
| ⑪ | 1 | 4P CONTROL RELAY | RELECO | C4-A40 |
| ⑫ | 1 | RELAY SOCKET - USED FOR ITEM 11 | RELECO | SB-4 |

GENERAL NOTES:

1. 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.
2. ALL 24 VDC CONTROL WIRING IS TEW/MTW 300V, 105°C INSULATION, STRANDED COPPER, 16 AWG.
3. COMPONENTS ARE LABELED AS SHOWN ON THE DRAWINGS.
4. TESTED ALL WIRING AND COMPONENTS FOR FUNCTIONAL OPERATION, CORRECT CONNECTION, CONTINUITY AND INSULATION INTEGRITY. DOCUMENTED ALL TEST RESULTS.
5. ALL MAJOR COMPONENTS INSIDE THE PANEL ARE LABELED WITH LAMACOIDS IN ACCORDANCE WITH MAJOR DESCRIPTIONS ON THE DRAWINGS.
6. PROVIDED WIRE BARREL FERRULES FOR ALL WIRING.
7. ALL TERMINAL BLOCKS ARE NUMBERED AS SHOWN IN THE DRAWINGS, COMPLETE WITH GROUP LABELING.
8. ALL WIRES ARE MARKED AS INDICATED ON THE DRAWINGS.

SPECIFIC NOTES:

① PROVIDE NEW CHLORINE EMERGENCY BYPASS SWITCH PANEL AT TONNER SCALE ROOM. REFER TO DRAWING 1-0630M-A0026-0001 FOR WIRING DETAILS.