

**ELECTRICAL ROOM**  
SCALE: 1 : 30

**CONTROL ROOM**  
SCALE: 1 : 30

**LEGEND:**

- EXISTING
- - - NEW WORK

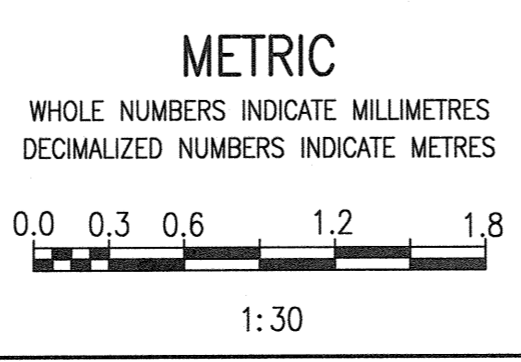
**CONSTRUCTION NOTES:**

- 1 PROVIDE NEW ESSENTIAL MCC, MCC-M730E.
- 2 PROVIDE NEW TRANSFORMER, XFMR-M710.
- 3 PROVIDE NEW TRANSFORMER, XFMR-M720.
- 4 PROVIDE NEW NON-ESSENTIAL MCC, MCC-M710.
- 5 PROVIDE NEW NON-ESSENTIAL MCC, MCC-M720.
- 6 PROVIDE NEW POWER FACTOR CORRECTION BANK, PFC-M713.
- 7 RELOCATE COPPER DRAIN PIPE ASSOCIATED WITH FC-2. REMOVE THE HORIZONTAL COPPER DRAIN PIPE BETWEEN FC-2 AND FC-3.
- 8 PROVIDE DEDICATED COPPER DRAIN PIPE FOR FC-3. ENSURE DRAIN PIPE IS TIED INTO EXISTING FACILITY DRAIN SYSTEM.
- 9 REPLACE EXISTING FUSES ON EXISTING FUSED DISCONNECT SWITCH WITH NEW 5.5kVA, 100A E-RATED FUSES.
- 10 PROVIDE PENETRATION IN THE FLOOR BELOW THE MCC SECTIONS FOR CABLE ENTRY (TYPICAL). ENSURE PENETRATIONS ARE BIG ENOUGH TO RUN ALL NECESSARY CABLES.
- 11 PROVIDE FIRE STOPPING SYSTEM THAT MEETS THE REQUIREMENTS OF ULC STANDARD CAN/ULC-5115 (TYPICAL).

**GENERAL NOTES:**

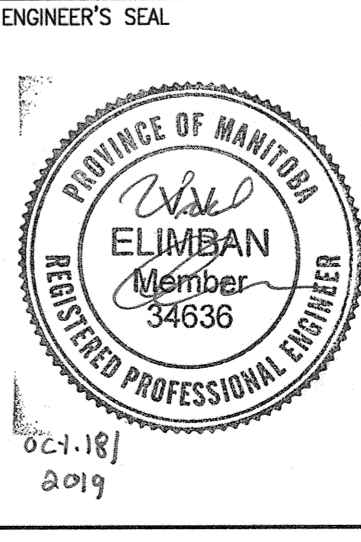
1. ALL EQUIPMENT IS NEW UNLESS SPECIFICALLY NOTED OTHERWISE AND SHALL PROVIDED BY THE CONTRACTOR.
2. PROVIDE NEW LAMACOID NAMEPLATES FOR ALL NEW EQUIPMENT TO REFLECT NEW TAGS. LAMACOID TO BE MECHANICALLY AFFIXED WITH MACHINE SCREWS OR DRIVE PINS, WHERE APPLICABLE.
3. REFER TO ASBESTOS REPORTS IN APPENDIX B. ASBESTOS IS PRESENT IN AND/OR PRESUMED TO BE PRESENT IN (BUT NOT LIMITED TO) THE FOLLOWING:  
 PIPING : RAIN WATER LEADER (SWEAT WRAP PIPE INSULATION)  
 WALL : VERMICULITE INSULATION (MASONRY)  
 PLASTER (PREFORMED BLOCK)
4. PROVIDE CONCRETE HOUSEKEEPING PADS BELOW ALL FLOOR MOUNTED EQUIPMENT.

1-0640M-A0048	INSTRUMENTATION EQUIPMENT PLAN - NEW WORK, MEZZANINE LEVEL
1-0640M-E0037	MCC-M730E LAYOUT AND SCHEDULE
1-0640M-E0035	MCC-M720 LAYOUT AND SCHEDULE
1-0640M-E0033	MCC-M710 LAYOUT AND SCHEDULE
1-0640M-E0015	ELECTRICAL EQUIPMENT ELEVATIONS
1-0640M-E0013	ELECTRICAL & CONTROL ROOM - DEMOLITION
DRAWING NUMBER	REFERENCE DRAWINGS



00	ISSUED FOR TENDER AND CONSTRUCTION	2019/10/18	SB	KS
NO.	REVISIONS	DATE	DESIGN	CHECK

SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080	
DESIGNED BY: S. BOGHOSIAN	CHECKED BY: K. SAPIAK
DRAWN BY: S. BOGHOSIAN	APPROVED BY: D. BECKER
SCALE: 1:30	ISSUED FOR CONSTRUCTION BY: A. WEISS
DATE: 2018/12/21	DATE: 2019/10/18
CONSULTANT NO.:	



THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	
MCPHILLIPS PUMPING STATION ELECTRICAL AND HVAC UPGRADES, MCC REPLACEMENT ELECTRICAL EQUIPMENT PLAN ELECTRICAL & CONTROL ROOMS - FINAL CONFIGURATION	
CITY DRAWING NUMBER	SHEET REV. SIZE
1-0640M-E0039	001 00 A1