

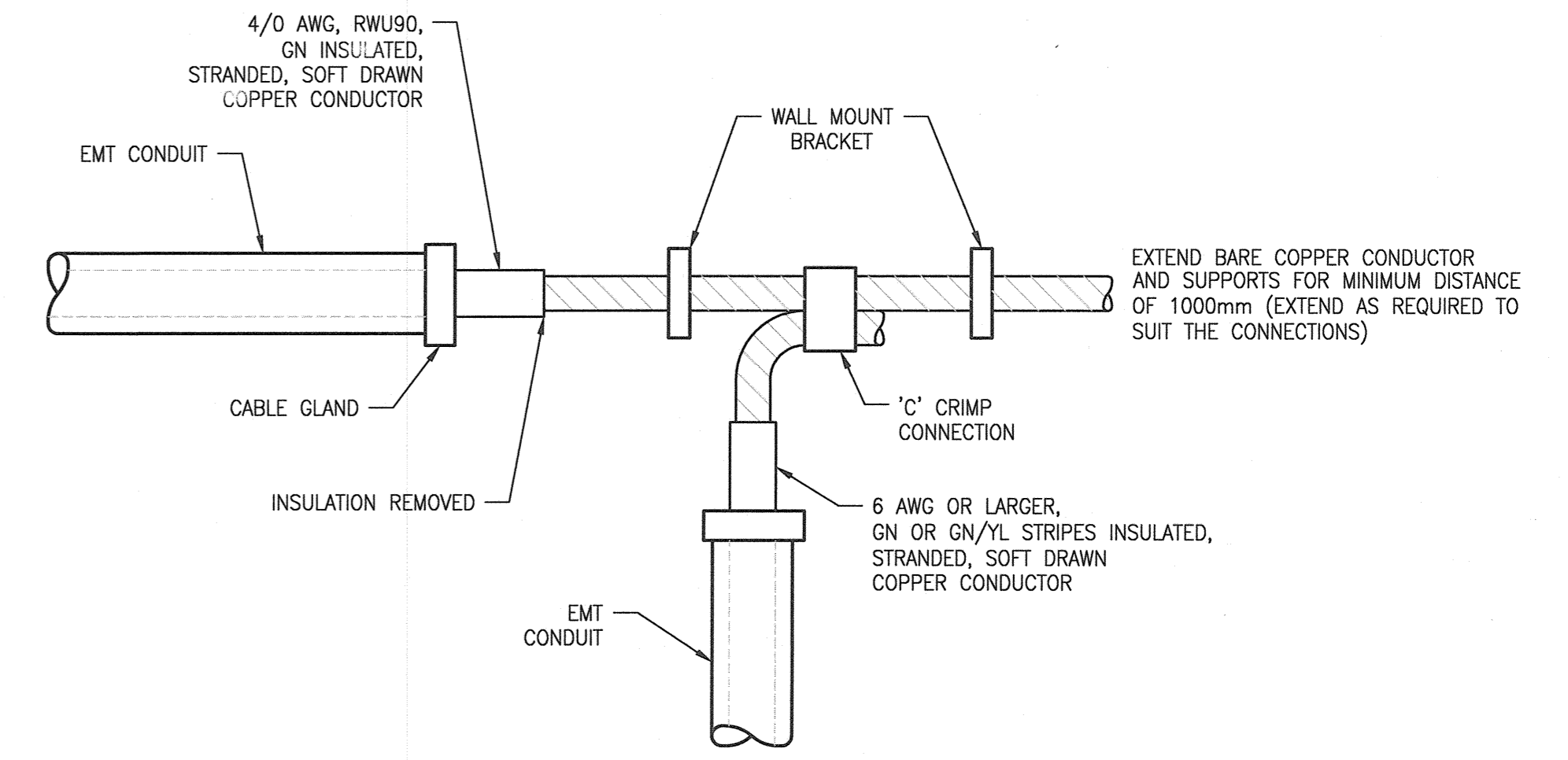
A EQUIPMENT GROUNDING CONNECTION
 SCALE: NTS

GENERAL NOTES:

1. CONNECTIONS TO PERIMETER GROUNDING CONDUCTORS SHALL BE 'C' CRIMP PRESSURE CONNECTION OR EXOTHERMIC WELD. ALL COMPRESSION CONNECTIONS SHALL UTILIZE PENETROX JOINT COMPOUND.
2. ALL GROUNDING CONDUCTOR SHALL BE STRANDED, SOFT DRAWN COPPER, UNLESS NOTED OTHERWISE.
3. FOR CONDUIT RUNS CONFINED WITHIN THE ELECTRICAL ROOM, EMT MAY BE USED. FOR ANY CONDUITS EXITING THE ELECTRICAL ROOM, RIGID THREADED ALUMINUM CONDUIT SHALL BE USED.
4. ALL WIRES/CABLES SHALL BE RUN IN CONDUIT. SIZE CONDUITS IN ACCORDANCE WITH THE CEC.
5. NOT ALL BOND CONNECTIONS ARE SHOWN AS A MINIMUM PERFORM BONDING IN ACCORDANCE WITH CEC.

CONSTRUCTION NOTES:

- 1 PROVIDE LAMACOID TAG ON WALL, ABOVE THE GROUND CONDUCTORS INDICATING "SYSTEM GROUND" AS APPLICABLE.
- 2 PROVIDE GROUND CONNECTION FROM SYSTEM GROUND TO TRANSFORMER XO TERMINAL.
- 3 PROVIDE GROUND CONNECTION TO POWER FACTOR CORRECTION UNIT, PFC-M713, AS PER MANUFACTURER'S REQUIREMENTS.
- 4 PROVIDE A GROUND CONNECTION TO THE TRANSFORMER ENCLOSURE SEPARATE FROM XO TERMINAL CONNECTION.



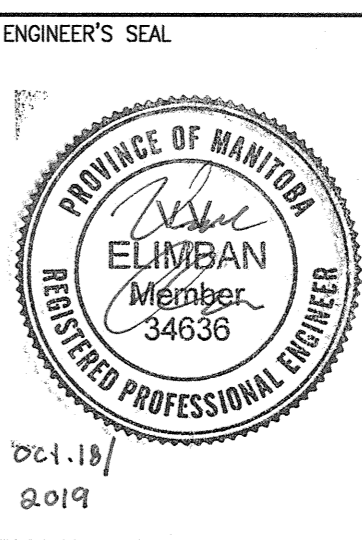
B GROUND CONNECTION POINT DETAIL (TYP.)
 SCALE: NTS

1-0640M-E0045	GROUNDING LAYOUT MAIN FLOOR
1-0640M-E0036	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M730E
1-0640M-E0034	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M720
1-0640M-E0032	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M710
1-0640M-E0002	ELECTRICAL SINGLE LINE DIAGRAM, 4160V DISTRIBUTION
DRAWING NUMBER	REFERENCE DRAWINGS



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

SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8060	
DESIGNED BY: S. JUCANAS	CHECKED BY: K. SAPIAK
DRAWN BY: S. JUCANAS	APPROVED BY: D. BECKER
SCALE: NTS	ISSUED FOR CONSTRUCTION BY: A. WEISS
DATE: 2019/04/23	DATE: 2019/10/18
CONSULTANT NO.:	



THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	
MCPHILLIPS WATER PUMPING STATION ELECTRICAL AND HVAC UPGRADES, MCC REPLACEMENT ELECTRICAL GROUNDING RISER DIAGRAM	
CITY DRAWING NUMBER	SHEET REV. SIZE
1-0640M-E0044	001 00 A1