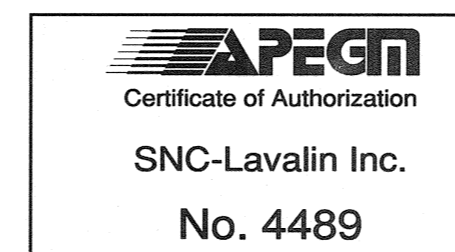
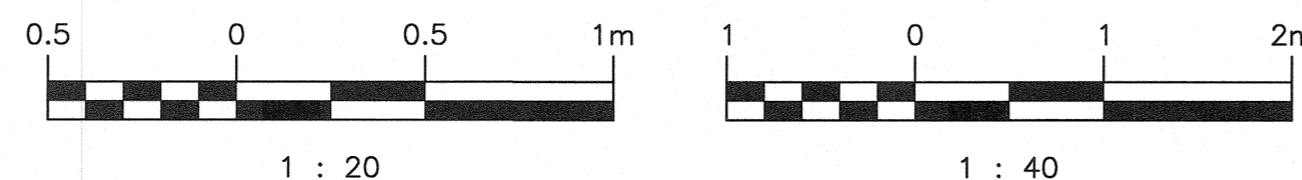


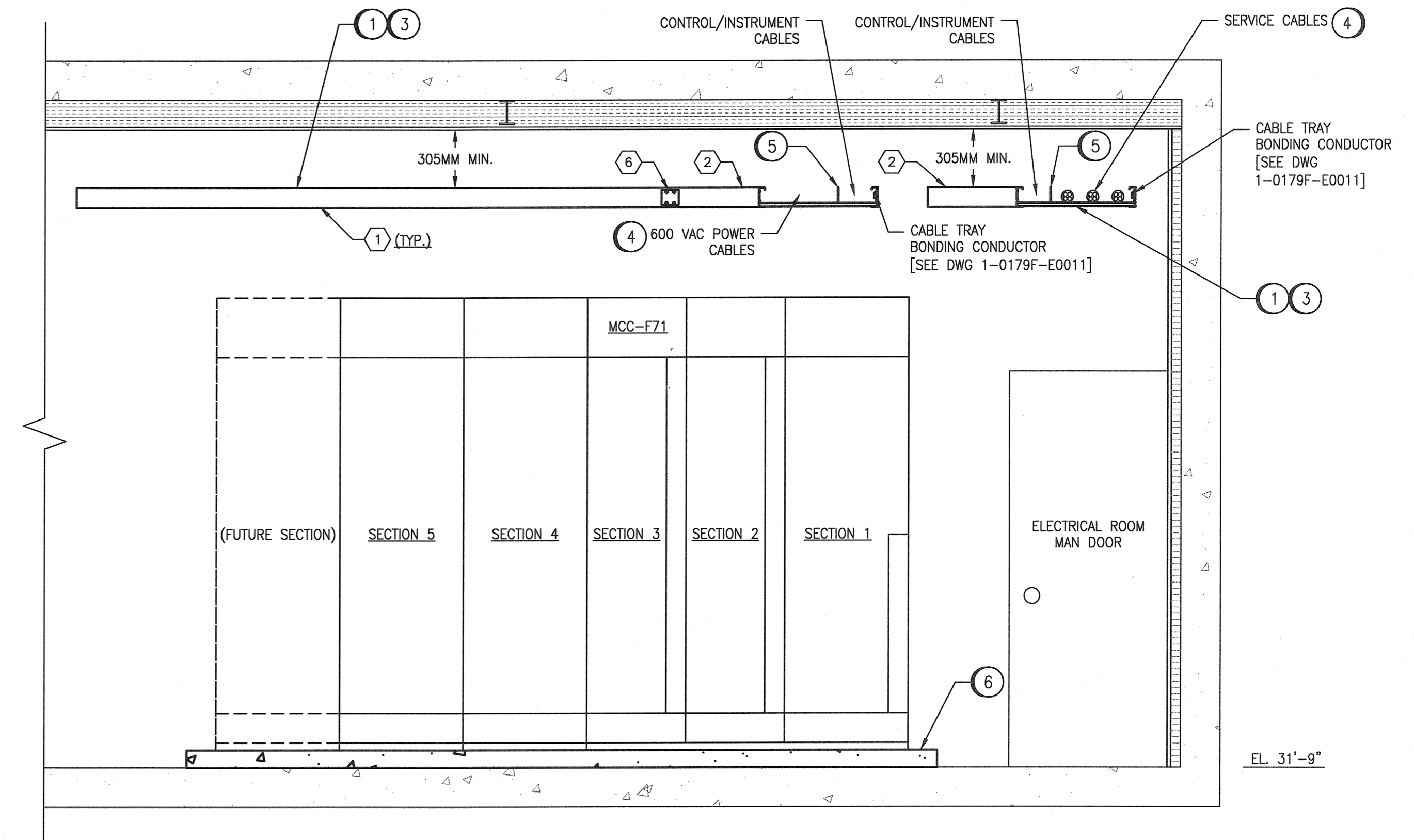
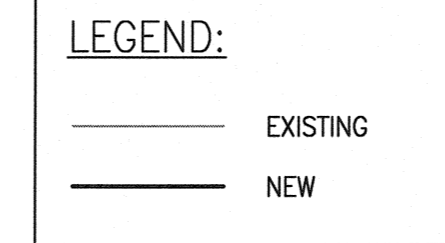
MAIN FLOOR PLAN
SCALE: 1 : 40



BILL OF MATERIAL				
ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
1	AS REQ'D	STRAIGHT SECTION CABLE TRAY, 24" WIDTH, 4" HEIGHT, LADDER TYPE, H-STYLE, 12" RUNG SPACING, ALUMINUM, 3M LENGTH	THOMAS & BETTS	AH3-4-24-L12-3
2	AS REQ'D	HORIZONTAL 90° BEND CABLE TRAY, 24" WIDTH, 4" HEIGHT, LADDER TYPE, U-STYLE, 24" RADIUS, ALUMINUM	THOMAS & BETTS	AUF4-24-L-HB90-24
4	AS REQ'D	SINGLE CABLE SEAL, SUITABLE FOR 48 - 70 MM CABLES	ROXTEC	RS 100
5	AS REQ'D	SINGLE CABLE SEAL, SUITABLE FOR 4 - 23 MM CABLES	ROXTEC	RS 43
6	AS REQ'D	ALUMINUM CABLE TRAY SPLICE PLATE, 4" SIDERAIL C/W HARDWARE	THOMAS & BETTS	ABW-4-SSP

CONSTRUCTION NOTES

- ① PROVIDE AND INSTALL NEW CABLE TRAY. CABLE TRAY SHALL NOT PASS THROUGH BUILDING WALLS. CABLE TRAY SHALL BE SUPPORTED BY STAINLESS STEEL STRUT COMPLETE WITH HANGER RODS AND HARDWARE FOR SECURING TO CONCRETE CEILING. AVOID MECHANICAL CEILING HATCHES LOCATED IN THE MOTOR ROOM. BOTTOM OF CABLE TRAY SHALL BE INSTALLED A MINIMUM OF 2300 MM ABOVE FINISHED FLOOR.
- ② PROVIDE AND INSTALL ROXTEC SEALS FOR SEALING ALL CABLING AND CONDUITS PENETRATING THROUGH EXTERIOR AND ELECTRICAL ROOM WALLS.
- ③ CABLES SHALL BE SECURED IN CABLE TRAY EVERY 1.5 METRES.
- ④ MAINTAIN A MINIMUM SPACING OF 100% CABLE DIAMETER BETWEEN SERVICE AND POWER CABLES INSTALLED IN CABLE TRAY.
- ⑤ PROVIDE AND INSTALL CABLE TRAY DIVIDERS TO SEPARATE SERVICE/POWER CABLES FROM CONTROL/INSTRUMENT CABLES.
- ⑥ PROVIDE HOUSEKEEPING PAD FOR MCC-F71 INCLUDING FOR FUTURE MCC SECTION. PAD SHALL BE AT MINIMUM 89mm HIGH, 50mm INFRONT OF THE MCC AND EXTENDING 150mm PAST THE MCC LINEUP (INCLUDING FUTURE SECTION). EDGES SHALL BE CHAMFERED AT LEAST 19mm. PROVIDE REBAR RE-INFORCEMENT AND ANCHOR TO THE FLOOR. REFER TO DRAWING 1-0179F-E0012 FOR MCC LINEUP SIZE.
- ⑦ PROVIDE AND INSTALL NEW CABLE TRAY. CABLE TRAY SHALL NOT PASS THROUGH BUILDING WALLS. CABLE TRAY SHALL BE SUPPORTED BY STAINLESS STEEL STRUT COMPLETE WITH HANGER RODS AND HARDWARE FOR SECURING TO CONCRETE CEILING. AVOID MECHANICAL CEILING HATCHES LOCATED IN THE MOTOR ROOM. TOP OF CABLE TRAY SHALL BE INSTALLED A MINIMUM OF 500mm BELOW EXISTING STEEL ROOF SUPPORT IN ORDER TO AVOID EXISTING CSO WIRING.



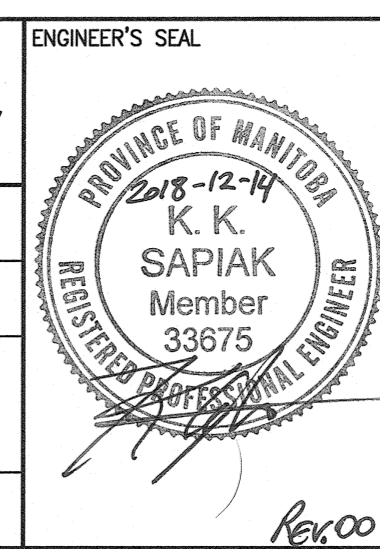
A ELECTRICAL ROOM SECTION VIEW
SCALE: 1 : 20

DRAWING NUMBER	REFERENCE DRAWINGS
1-0179F-E0012	MCC ELEVATION AND DETAILS MCC-F71
1-0179F-E0008	ELECTRICAL PLAN LAYOUT MAIN AND LOWER LEVEL FLOOR
1-0179F-E0004	ELECTRICAL SITE PLAN
1-0179F-E0003	ELECTRICAL SINGLE LINE DIAGRAM

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER AND CONSTRUCTION	2018/12/14	KS	BC

SNC-LAVALIN INC.
148 Nictaux Park Way
Winnipeg, MB, Canada R3P 0X7
204-786-8080

DESIGNED BY: K. SAPIAK
CHECKED BY: B. CLEVEN
DRAWN BY: C. DUBON
APPROVED BY: B. CLEVEN
SCALE: AS SHOWN
ISSUED FOR CONSTRUCTION BY: K. ZUREK
DATE: 2018/07/13
DATE: 2018/12/14



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

ROLAND FLOOD PUMPING STATION
2019 UPGRADES
ELECTRICAL PLAN LAYOUT
MAIN FLOOR
CABLE TRAY

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0179F-E0009	001	00	A1