

DRAWING NUMBER	SHEET	TITLE
1-0630M-D0003	001	DRAWING INDEX
1-0630M-E0001	001	ELECTRICAL SINGLE LINE DIAGRAM, LEGEND AND DETAILS
1-0630M-E0002	001	ELECTRICAL SINGLE LINE DIAGRAM, 4160V DISTRIBUTION
1-0630M-E0003	001	ELECTRICAL SINGLE LINE DIAGRAM, 600V GENERATORS AND ESSENTIAL SWITCHGEAR
1-0630M-E0004	001	ELECTRICAL SINGLE LINE DIAGRAM, 600V NON-ESSENTIAL SWITCHGEAR AND DISTRIBUTION
1-0630M-E0008	001	SINGLE LINE DIAGRAM & LAYOUT, REMOVALS & INSTALLATIONS
1-0630M-E0012	001	ELECTRICAL EQUIPMENT PLAN, ELECTRICAL ROOM
1-0630M-E0013	001	ELECTRICAL EQUIPMENT ELEVATIONS, 4160V SWITCHGEAR AND 600V SWITCHGEAR/MCC
1-0630M-E0015	001	THREE LINE DIAGRAM, 4160V MAIN BREAKER
1-0630M-E0016	001	THREE LINE DIAGRAM, 600V SWITCHGEAR
1-0630M-E0017	001	CONTROL SCHEMATIC, 600V SWITCHGEAR, BREAKERS 52LTT, 52LTI, 52LTG
1-0630M-E0018	001	CONTROL SCHEMATIC, 600V SWITCHGEAR, BREAKER 52LTC
1-0630M-E0021	001	ELECTRICAL SINGLE LINE DIAGRAM, MISCELLANEOUS DISTRIBUTION
1-0630M-E0022	001	ELECTRICAL SINGLE LINE DIAGRAM - OVERVIEW
1-0630M-E0023	001	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M1
1-0630M-E0024	001	ELECTRICAL SINGLE LINE DIAGRAM, DP-M2
1-0630M-E0025	001	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M3E ESSENTIAL MCC
1-0630M-E0026	001	MCC ELEVATION AND DETAILS, MCC-M1
1-0630M-E0027	001	MCC ELEVATION AND DETAILS, MCC-M3E
1-0630M-E0028	001	MCC SCHEDULES, MCC-M1 AND MCC-M3E
1-0630M-E0029	001	PANEL SCHEDULE AND DETAILS, DP-M2
1-0630M-E0030	001	ELECTRICAL EQUIPMENT PLAN, PUMP LEVEL
1-0630M-E0031	001	ELECTRICAL EQUIPMENT PLAN, MEZZANINE LEVEL
1-0630M-E0031	002	ELECTRICAL EQUIPMENT PLAN, MEZZANINE LEVEL
1-0630M-E0032	001	ELECTRICAL EQUIPMENT PLAN, MAIN FLOOR
1-0630M-E0033	001	ELECTRICAL EQUIPMENT PLAN, ROOF LEVEL
1-0630M-E0034	001	CABLE TRAY LAYOUT, MEZZANINE LEVEL
1-0630M-E0034	002	CABLE TRAY LAYOUT, MEZZANINE LEVEL
1-0630M-E0034	003	CABLE TRAY LAYOUT, MEZZANINE LEVEL
1-0630M-E0035	001	CABLE TRAY LAYOUT, ELECTRICAL ROOM
1-0630M-E0036	001	CONSTRUCTION PLAN, ELECTRICAL ROOM, PHASE 1
1-0630M-E0037	001	CONSTRUCTION PLAN, ELECTRICAL ROOM, PHASE 2
1-0630M-E0038	001	CONSTRUCTION PLAN, ELECTRICAL ROOM, PHASE 3
1-0630M-E0039	001	CONSTRUCTION PLAN, ELECTRICAL ROOM, PHASE 4
1-0630M-E0040	001	CONDUIT RISER DIAGRAM
1-0630M-E0041	001	GROUNDING PLAN, MEZZANINE LEVEL
1-0630M-E0041	002	GROUNDING PLAN, MEZZANINE LEVEL
1-0630M-E0042	001	PANELBOARD SCHEDULES
1-0630M-E0043	001	PANEL LAYOUT, JB-M1, JB-M2, JB-M3
1-0630M-E0044	001	INSTALLATION DETAILS, PNL-M10
1-0630M-E0045	001	MOTOR STARTER SCHEMATIC, AHU-M601, PUMP ROOM AIR HANDLING UNIT
1-0630M-E0046	001	MOTOR STARTER SCHEMATIC, AHU-M602, PUMP ROOM AIR HANDLING UNIT

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1-0630M-E0047	001	MOTOR STARTER SCHEMATIC, AHU-M603, PUMP ROOM AIR HANDLING UNIT
1-0630M-E0048	001	MOTOR STARTER SCHEMATIC, AHU-M604, PUMP ROOM AIR HANDLING UNIT
1-0630M-E0049	001	MOTOR STARTER SCHEMATIC, AHU-M605, ELECTRICAL ROOM AIR HANDLING UNIT
1-0630M-E0050	001	MOTOR STARTER SCHEMATIC, EF-M681, PUMP ROOM EXHAUST FAN
1-0630M-E0051	001	MOTOR STARTER SCHEMATIC, EF-M682, PUMP ROOM EXHAUST FAN
1-0630M-E0052	001	MOTOR STARTER SCHEMATIC, EF-M683, PUMP ROOM EXHAUST FAN
1-0630M-E0053	001	MOTOR STARTER SCHEMATIC, EF-M684, PUMP ROOM EXHAUST FAN
1-0630M-E0054	001	MOTOR STARTER SCHEMATIC, EF-M686, CL2 EQUIPMENT ROOM EXHAUST FAN
1-0630M-E0055	001	MOTOR STARTER SCHEMATIC, EF-M689, CL2 SCALE ROOM EXHAUST FAN
1-0630M-E0056	001	MOTOR STARTER SCHEMATIC, EF-M690, CL2 STORAGE ROOM EXHAUST FAN
1-0630M-E0057	001	MOTOR STARTER SCHEMATIC, EF-M692, CL2 STORAGE ROOM EXHAUST FAN
1-0630M-E0058	001	MOTOR STARTER SCHEMATIC, P-M941, SUMP PUMP
1-0630M-E0059	001	MOTOR STARTER SCHEMATIC, P-M942, SUMP PUMP
1-0630M-E0060	001	MOTOR STARTER SCHEMATIC, AC-M901, INSTRUMENT AIR COMPRESSOR
1-0630M-E0061	001	MOTOR STARTER SCHEMATIC, AC-M902, INSTRUMENT AIR COMPRESSOR
1-0630M-E0062	001	MOTOR STARTER SCHEMATIC, AC-M903, VALVE AIR COMPRESSOR
1-0630M-E0063	001	CONTACTOR SCHEMATIC, HCC-M609, PREHEAT DUCT HEATER
1-0630M-E0064	001	CONTACTOR SCHEMATIC, HCC-M601, ELECTRIC HEATING COIL FOR AHU-M601
1-0630M-E0065	001	CONTACTOR SCHEMATIC, HCC-M603, ELECTRIC HEATING COIL FOR AHU-M603
1-0630M-E0066	001	PANEL LAYOUT AND SCHEMATIC, JB-M32U-1, UPS POWER DISTRIBUTION
1-0630M-E0067	001	GROUNDING INSTALLATION DETAILS
1-0630M-E0068	001	CONNECTION DIAGRAM AND DETAILS, ATS-M1 AND ATS-M3E, TRANSFER SWITCHES
1-0630R-E0001	001	ELECTRICAL SINGLE LINE DIAGRAM, RESERVOIR VALVE HOUSE
1-0630M-A0030	001	LOOP DIAGRAM, ATS-M3E POSITION STATUS, LOOP M916
1-0630M-A0031	001	LOOP DIAGRAM, MCC-M1 VOLTAGE PRESENT, LOOP M913
1-0630M-A0032	001	LOOP DIAGRAM, DP-M2 VOLTAGE PRESENT, LOOP M914
1-0630M-A0033	001	LOOP DIAGRAM, MCC-M3E VOLTAGE PRESENT, LOOP M915
1-0630M-A0034	001	LOOP DIAGRAM, PUMP ROOM TEMPERATURE, LOOP M608
1-0630M-A0035	001	LOOP DIAGRAM, AHU-M601 DISCHARGE AIR TEMPERATURE, LOOP M601
1-0630M-A0036	001	LOOP DIAGRAM, AHU-M603 DISCHARGE AIR TEMPERATURE, LOOP M603
1-0630M-A0037	001	NETWORK DIAGRAM
1-0630M-A0038	001	PANEL LAYOUT, LCP-M600
1-0630M-A0039	001	PANEL LAYOUT AND SCHEMATIC, LCP-M608, HEATING CONTROL PANEL
1-0630M-A0040	001	PANEL LAYOUT, LCP-M900, AIR COMPRESSOR CONTROL PANEL
1-0630M-A0041	001	PANEL LAYOUT, LCP-M940, SUMP PUMP CONTROL PANEL
1-0630M-A0042	001	LOOP DIAGRAM, XFMR-M1 WINDING HIGH TEMPERATURE SWITCH, LOOP M911
1-0630M-A0043	001	LOOP DIAGRAM, XFMR-M2 WINDING HIGH TEMPERATURE SWITCH, LOOP M912
D-2491	-	TRANSFORMER #1 WINDING HIGH TEMP SWITCH
D-2492	-	TRANSFORMER #2 WINDING HIGH TEMP SWITCH
D-2493	-	600V LOSS STATUS
1-0630M-M0025	001	HVAC DEMOLITION PLANS, MEZZANINE LEVEL - NORTH
1-0630M-M0026	001	HVAC DUCT PLAN, MEZZANINE LEVEL - NORTH, NEW WORK
1-0630M-M0027	001	HVAC DUCT PLAN, MEZZANINE LEVEL - SOUTH, REMOVALS AND NEW WORK



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER, BID OPP: 490-2012	2012/07/23	BJC	CJR

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

DESIGNED BY: B. CLEVEN
DRAWN BY: M.J. PERSSON
SCALE: NTS
DATE: 2012/07/12

CHECKED BY: C. REIMER
APPROVED BY: C. REIMER
RELEASED FOR CONSTRUCTION BY:
DATE:

CONSULTANT NO.: 1-0630M-0000-40DD-0001

ENGINEER'S SEAL

PRELIMINARY
NOT TO BE
USED FOR
CONSTRUCTION

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

MACLEAN WATER PUMPING STATION
ELECTRICAL UPGRADES
DRAWING INDEX

CITY DRAWING NUMBER: 1-0630M-D0003
SHEET: 001
REV: 00
SIZE: A1