MCC–L71 REQUIREMENTS:

IDENTIFIER: MCC–L71		
ENCLOSURE TYPE: NEMA 1A	MOUNTING: FRONT	DEPTH: 508mm
SUPPLY VOLTAGE: 600Y/347V, 3ø, 4W, 60HZ	INCOMING NEUTRAL TERMINATION: YES	
CONTROL VOLTAGE: 120V, 60Hz	WIRING: CLASS I, TYPE B OR AS SHOWN ON THE DRAWING	
MINIMUM BUS RATING:	HORIZONTAL: 600A	VERTICAL: 300A
SUITABLE FOR SERVICE ENTRANCE: YES	NEUTRAL BUS: YES	
BUS BRACING: 42kA	SCCR: 14kA	SERIES SCCR PERMITTED: NO
BUS MATERIAL: TIN PLATED COPPER		
MANUFACTURER: SCHNEIDER ELECTRIC	MODEL: MODEL 6	

A – MCC–L71 ELEVATION
SCALE:1:15

GENERAL NOTES:

1. MOTOR CONTROL CENTRES ARE TO BE ARRANGE EXACTLY AS INDICATED. ARRANGE PUSH BUTTONS, HAD–OFF–AUTO, PILOT LIGHTS, EMERGENCY STOPS AND LAMACOID POSITIONS EXACTLY AS SHOWN.
2. ALL LAMACOIDS SHALL BE WHITE BACKGROUND WITH BLACK TEXT.
3. THE DIGITAL TRIP UNIT SHALL BE DISPLAYED AT ALL TIMES THE MCC IS ENERGIZED. SUPPLIER SHALL PROVIDE A CONTROL TRANSFORMER TO POWER BREAKER TRIP UNIT DISPLAY.

LEGEND:

- CT SHORTING BLOCK TERMINAL
- FEED THROUGH TERMINAL BLOCK
- BLUE PILOT LIGHT
- GREEN PILOT LIGHT
- AMBER PILOT LIGHT
- HAND–OFF–AUTO SWITCH
- PUSH BUTTON
- EMERGENCY STOP BUTTON
- HOUR METER
- ANALOG CURRENT METER

LAMACOID SCHEDULE	
LEGEND	LAMACOID ENGRAVING
1	READY
2	RUNNING
3	SS FAULT
4	MAN OFF AUTO
5	SS MODE ALT MODE
6	SS RESET
7	START
8	STOP
9	E–STOP
10	MOTOR RUN TIME
11	MOTOR CURRENT
12	OVERLOAD
13	O/L RESET

1 – MCC–L71 POWER METER
SCALE:NTS

2 – XS–L711 TRANSIENT VOLTAGE SURGE SUPRESSOR
SCALE:NTS

3 – ESL–L712 POWER FAILURE RELAY
SCALE:NTS

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10	–	–
9	–	–
8	–	–
7	–	–
6	–	–
5	–	–
4	–	–
3	–	–
2	–	–
1	1–0162L–E0003–001	ELECTRICAL SINGLE LINE DIAGRAM

REFERENCE DRAWINGS

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
KGS Group
No. 245

B.M.
ELEV.

NO.	REVISIONS	DATE (YYYY-MM-DD)	BY
0	ISSUED FOR CONSTRUCTION	2023 03 24	DDW

KGS GROUP

DESIGNED BY A. NIRMAL
CHECKED BY DDW
DRAWN BY R. GASPAR
APPROVED BY DDW
SCALE: HORIZONTAL NTS VERTICAL NTS
RELEASED FOR CONSTRUCTION
DATE 2022/07/21
DATE
PLOT DATE: 2023 03 23

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D. WILSON
Member
22552
2023-03-23
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NUMBER
22–107–004–E10.01

BID OPPORTUNITY: 864-2022

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

METCALFE LIFT PUMPING STATION
2022 UPGRADES
ELECTRICAL

MCC ELEVATIONS AND DETAILS
MCC–L71

CITY DRAWING NUMBER 1–0162L–E0010–001
SHEET 61 OF 109

FILE PATH: P:\Projects\2022\22-0107-004\Dwg\Elec\
FILE NAME: 1-0162L-E0010-001.dwg