NOTES:

1. CABLING NOT SHOWN ON PANEL LAYOUT.
2. ALL FUSES TO BE PROVIDED. TWO SPARE FUSES OF EACH SIZE ARE TO BE PROVIDED.
3. FUNCTIONALITY OF ALL COMPONENTS AND WIRING TO BE TESTED AND DOCUMENTED. CONNECTION DETAILS TO BE VERIFIED AND DOCUMENTED.
4. ALL MAJOR EQUIPMENT TO BE IDENTIFIED WITH LAMACOIDS TO CITY STANDARDS.
5. TERMINAL BLOCK AND WIRE NUMBERING TO BE MARKED AS INDICATED ON DRAWINGS.

FRONT PANEL
SCALE: 1:4

INTERIOR
SCALE: 1:4

BILL OF MATERIALS				
ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
1	1	36"X24"X10" CONTINUOUS HINGE TYPE 12 ENCLOSURE, GRAY W/ DOOR CLAMPS	HOFFMAN	A362410LP
2	1	BACK PANEL	HOFFMAN	A3624P24
3	1	HVAC CONTROLLER C/W DOOR MOUNTING KIT	HONEYWELL	T775M2030
4	AS REQ'D	35MM DIN RAIL	PHOENIX CONTACT	801733
5	1	200 VA, 120:24 VAC TRANSFORMER	SQUARE D	9070T200D23
6	AS REQ'D	TERMINAL BLOCK IDENTIFIER	PHOENIX CONTACT	1004348
7	AS REQ'D	75MM X 75MM NARROW SLOT WIRING DUCT AND COVER, GRAY	PANDUIT	MC75X75IG2
8	AS REQ'D	FEED THROUGH TERMINAL	PHOENIX CONTACT	3046184
9	AS REQ'D	FUSED TERMINAL	PHOENIX CONTACT	3046142
10	AS REQ'D	FUSE CONNECTOR	PHOENIX CONTACT	3036806
11	AS REQ'D	GROUND TERMINAL	PHOENIX CONTACT	3046207
12	AS REQ'D	TERMINAL END CLAMP	PHOENIX CONTACT	1201442
13	AS REQ'D	TERMINAL END PLATE	PHOENIX CONTACT	3047141
14	AS REQ'D	PLUG-IN BRIDGE	PHOENIX CONTACT	3030365
15	3	RELAY AND BASE. 24VAC. SPDT W/ LED AND TEST BUTTON	OMRON	G2R-1-SNI AC24 (S), P2RF-05
16	1	CIRCUIT BREAKER, DIN RAIL MOUNTED, 5A	PHOENIX CONTACT	TMC 81B 05A
17	AS REQ'D	LAMACOID	--	--
18	1	RELAY AND BASE. 24VAC. DPDT W/ LED AND TEST BUTTON	OMRON	G2R-2-SNI AC24 (S), P2RF-08

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10		
9		
8		
7		
6		
5	1-0131L-A0027	LOOP DIAGRAM - MAIN FLOOR HVAC VENTILATION AIR DAMPERS
4	1-0131L-A0028	LOOP DIAGRAM - MAIN FLOOR DUCT HEATER TEMPERATURE AND CONTROL
3	1-0131L-A0029	LOOP DIAGRAM - MAIN FLOOR OCCUPANCY AND TEMPERATURE SWITCHES
2	1-0131L-E0015	MOTOR STARTER SCHEMATIC AND CONNECTIONS - SF-L61 AND EF-L62
1	1-0131L-A0002	AUTOMATION PLAN

REFERENCE DRAWINGS

0 80 160 240 320 400
SCALE: 1:4

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES
UNLESS OTHERWISE NOTED

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MPE, a division of Englobe Corp.
No. 4968 Date: MAR 19, 2024

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION	2024-03-19	

MPE a division of Englobe

DESIGNED BY	J. SWAIN	CHECKED BY	R. OFSTIE
DRAWN BY	J. SWAIN	APPROVED BY	R. OFSTIE
SCALE: HORIZONTAL VERTICAL	NTS	RELEASED FOR CONSTRUCTION	
DATE	2024-03-19	DATE	

PLOT DATE: 2024 03 19

PROVINCE OF MANITOBA
R.G OFSTIE
Member 44405
REGISTERED PROFESSIONAL ENGINEER
MARCH 21, 2024
CONSULTANT DRAWING NUMBER

BID OPPORTUNITY: --

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

CONWAY LIFT PUMPING STATION
2024 UPGRADES
PANEL LAYOUT AND BILL OF MATERIALS
HVAC VENTILATION CONTROL PANEL
JBA-L83

CITY DRAWING NUMBER 1-0131L-A0015-001-00 SHEET 71 OF 102

FILE PATH: M:\N-Data\84\00 City of Winnipeg\005 - Conway Lift Station\Autodesk\XREF\
FILE NAME: A1.3 - HVAC CONTROL PANEL LAYOUT.dwg