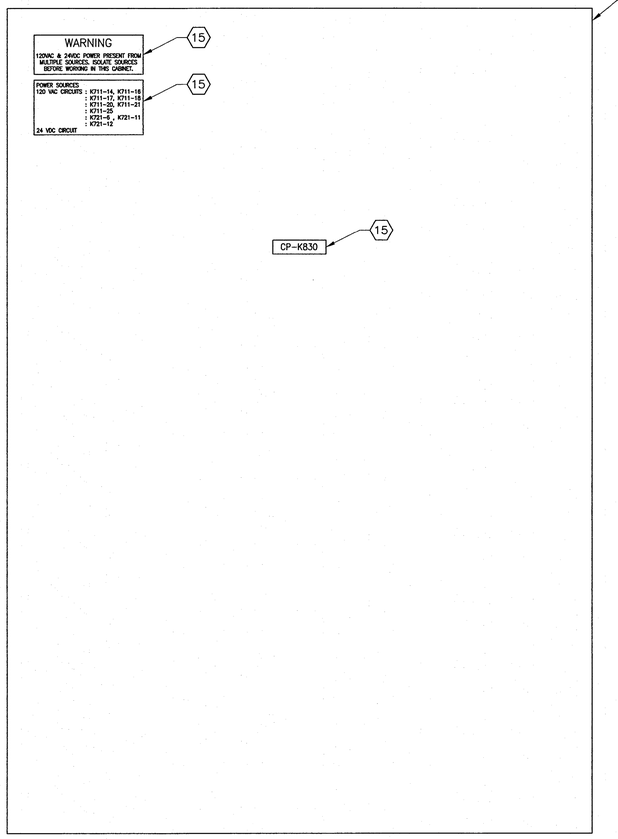
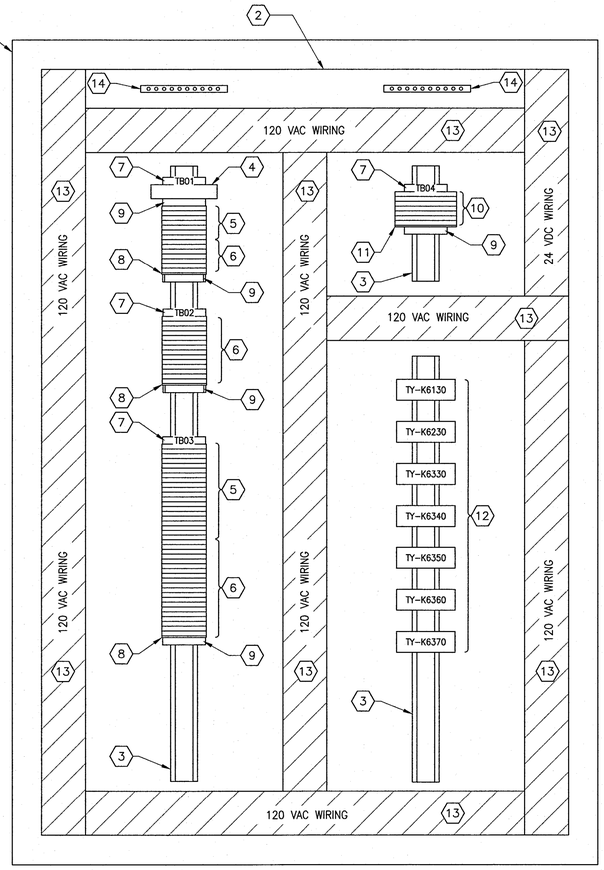
A1 SIZE – 594mm x 841mm



EXTERIOR PANEL VIEW

1 : 4



INTERIOR PANEL VIEW

1 : 4

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
1	1	NEMA 12 ENCL. WALL MOUNT – 1067x762x203mm	HOFFMAN	A423008LP
2	1	BACK PANEL FOR ITEM 1	HOFFMAN	A42P30
3	AS REQ'D	35mm DIN RAIL	PHOENIX CONTACT	0801733
4	1	THERMAL MAGNETIC CIRCUIT BREAKER, 10AMP, 1 POLE	PHOENIX CONTACT	0902072
5	AS REQ'D	FUSE TERMINAL – UT 4 WITH FUSE PLUG-P-FU 5X20	PHOENIX CONTACT	3046142 3036806
6	AS REQ'D	FEED THROUGH TERMINAL – UT 4-MTD	PHOENIX CONTACT	3046184
7	AS REQ'D	TERMINAL BLOCK MARKER – KLM-A	PHOENIX CONTACT	1004348
8	AS REQ'D	TERMINAL END PLATE – D-UT 2,5/4 TWIN	PHOENIX CONTACT	3047141
9	AS REQ'D	TERMINAL END CLAMP – CLIPFIX 35	PHOENIX CONTACT	3022218
10	7	RELAY MODULE, 24 VDC, 1PDT, STANDARD, DIODE PROTECTION	PHOENIX CONTACT	2966171
11	AS REQ'D	RELAY MODULE SEPARATING PLATE	PHOENIX CONTACT	2966841
12	7	RELAY MODULE, 120 VAC, 4 POLE, SOCKET, DIODE PROTECTION	FINDER	55.34 94.84.3 99.80.3.000.00
13	AS REQ'D	NARROW SLOT WIRE DUCT AND COVER 2.25" W x 3.12"H	PANDUIT	F2X3LG6
14	2	GROUND BAR, 8 TAPS	ILSCO	D167-8
15	AS REQ'D	LAMACOIDS	–	–

FUSE SCHEDULE

TB	IDENTIFIER	SIZE	RATED CURRENT
TB01	FU-1 TO FU-7	5x20mm	1A TD
TB03	FU-1 TO FU-19	5x20mm	5A TD

NOTES
TD = TIME DELAY

GENERAL NOTES:

1. ALL POWER WIRING TO BE TEW/MTW 300V, 105°C INSULATION, STRANDED COPPER, 12 AWG OR LARGER WHERE CURRENT REQUIREMENTS DICTATE AS PER CEC REQUIREMENTS.
2. ALL CONTROL WIRING TO BE TEW/MTW 300V, 105°C INSULATION, STRANDED COPPER, 16 AWG.
3. COMPONENTS ARE TO BE LABELED AS SHOWN ON THE DRAWINGS.
4. TEST ALL WIRING AND COMPONENTS FOR FUNCTIONAL OPERATION, CORRECT CONNECTION, CONTINUITY AND INSULATION INTEGRITY. DOCUMENT ALL TEST RESULTS.
5. ALL MAJOR COMPONENTS INSIDE THE PANEL ARE TO BE LABELED WITH LAMACOIDS IN ACCORDANCE WITH MAJOR DESCRIPTIONS ON THE DRAWINGS.
6. PROVIDE WIRE BARREL FERRULES FOR WIRING WHERE POSSIBLE.
7. ALL TERMINAL BLOCKS SHALL BE NUMBERED AS SHOWN IN THE DRAWINGS, COMPLETE WITH GROUP LABELING.
8. ALL WIRES SHALL BE MARKED AS INDICATED ON THE DRAWINGS.
9. ROUTE ALL 24VDC WIRING SEPARATE FROM 120VAC WIRING.
10. JUMPER BARS SHALL BE USED INSTEAD OF WIRE JUMPERS WHERE POSSIBLE.

REFERENCE DRAWINGS	DESCRIPTION
1-0102-EMCL-K614	UNIT HEATERS SCHEMATIC DIAGRAM

APEGM Certificate of Authorization
SNC-Lavalin Inc.
No. 4489

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR CONSTRUCTION – 976-2016	2017/04/05	SSB	TMC

CH2MHILL. SNC·LAVALIN KGS GROUP

DESIGNED BY: S. BOGHOSIAN
CHECKED BY: T. CHURCH
DRAWN BY: S. BOGHOSIAN
APPROVED BY: E. RYCZKOWSKI
SCALE: 1 : 4
ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2015/07/27
DATE: 2017/04/05
CONSULTANT NO.: 474248

ENGINEER'S SEAL
PROVINCE OF MANITOBA
T.M. CHURCH
Member 32682
REGISTERED PROFESSIONAL ENGINEER
Apr. 5, 2017

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
AUTOMATION – CABINET LAYOUT
HIGH RATE CLARIFICATION BUILDING
CP-K830 UNIT HEATERS CABINET LAYOUT

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102-ACBD-K061	001	00	A1

PLOT DATE: Apr 01, 2017 – 2:14pm
FILE NAME: 1-0102-ACBD-K061.dwg

LAST SAVE: 2017/04/01 – 2:14pm
PATH: C:\pw_workdir\ch2mhill_wbg\sh043284\d0356391\1-0102-ACBD-K061.dwg