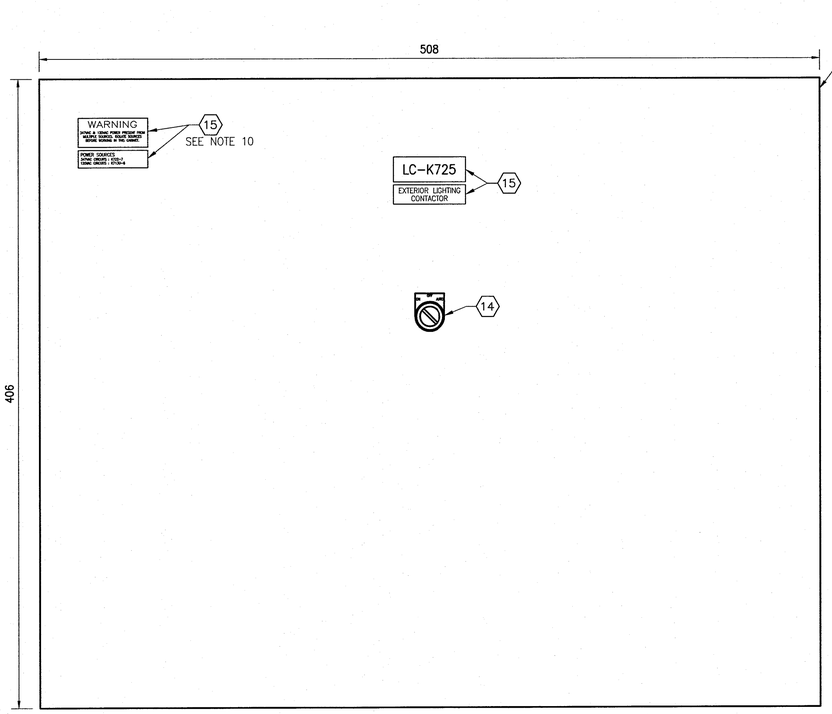
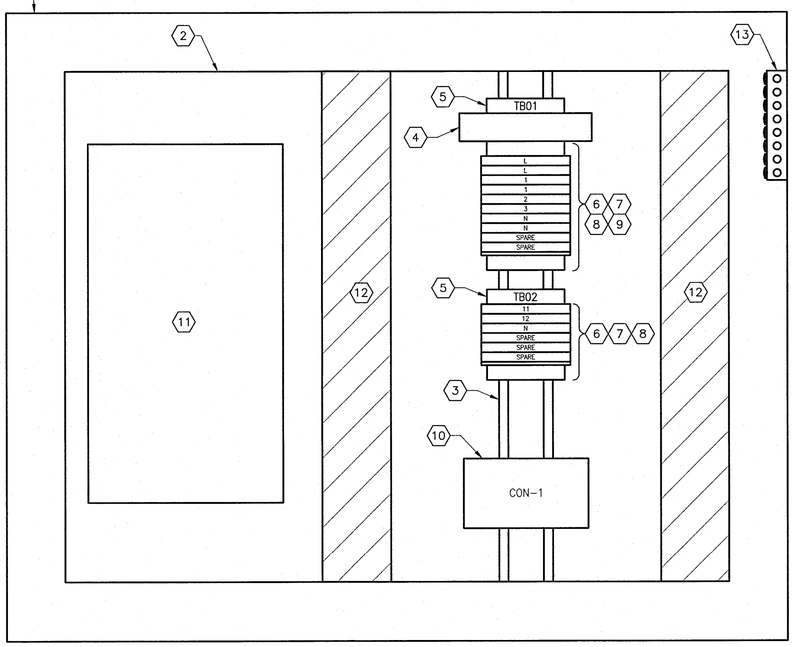
A1 SIZE – 594mm x 841mm



EXTERIOR PANEL VIEW

1 : 2



INTERIOR PANEL VIEW

1 : 2

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
1	1	NEMA 12 ENCL. WALL MOUNT – 406x508x203mm	HOFFMAN	A162008LP
2	1	BACK PANEL FOR ITEM 1	HOFFMAN	A20P16
3	AS REQ'D	35mm DIN RAIL	PHOENIX CONTACT	0801733
4	1	THERMAL MAGNETIC CIRCUIT BREAKER, 4AMP, 1 POLE	PHOENIX CONTACT	0902056
5	AS REQ'D	TERMINAL BLOCK MARKER	PHOENIX CONTACT	1004348
6	AS REQ'D	TERMINAL END CLAMP	PHOENIX CONTACT	1201442
7	AS REQ'D	FEED THROUGH TERMINAL	PHOENIX CONTACT	3046184
8	AS REQ'D	TERMINAL END PLATE	PHOENIX CONTACT	3047141
9	AS REQ'D	PLUG–IN BRIDGE, 2 POSITION	PHOENIX CONTACT	3030336
10	1	LIGHTING CONTACTOR C/W MOV SURGE SUPPRESSOR, 4 POLES, DIN RAIL MOUNT	ALLEN BRADLEY	100L–C20ND4
11	1	TIME CLOCK	TORK	DG100A
12	AS REQ'D	NARROW SLOT WIRE DUCT AND COVER 1.75" W X 2.12" H	PANDUIT	F1.5X2LG6
13	1	GROUND BAR, 6 TAPS	ILSCO	D167–6
14	1	SELECTOR SWITCH C/W ON–OFF–AUTO LEGEND PLATE	ALLEN BRADLEY	800TC–J2A
15	AS REQ'D	LAMACOIDS	–	–

* THIS BILL OF MATERIALS MAY NOT INCLUDE ALL MISCELLANEOUS MATERIALS REQUIRED, AND IS INTENDED TO BE USED AS GENERAL GUIDELINE ONLY. IT IS THE RESPONSIBILITY OF THE VENDOR / FABRICATOR TO PROVIDE ALL REQUIRED MATERIALS FOR A COMPLETE AND WORKING SYSTEM.

GENERAL NOTES:

1. CONTROL WIRING TO BE TEW/MTW, 600V RATED (FOR CIRCUITS 120V & BELOW AND FOR 347V WIRING), 105°C INSULATION, STRANDED COPPER, 14 AWG OR LARGER.
2. COMPONENTS ARE TO BE LABELED AS SHOWN ON THE DRAWINGS.
3. TEST ALL WIRING AND COMPONENTS FOR FUNCTIONAL OPERATION, CORRECT CONNECTION AND CONTINUITY. DOCUMENT ALL TEST RESULTS.
4. ALL MAJOR COMPONENTS INSIDE THE PANEL ARE TO BE LABELED WITH LAMACOIDS IN ACCORDANCE WITH MAJOR DESCRIPTIONS ON THE DRAWINGS.
5. PROVIDE WIRE BARREL FERRULES FOR ALL WIRING WHERE POSSIBLE.
6. ALL TERMINAL BLOCKS SHALL BE NUMBERED AS SHOWN IN THE DRAWINGS, COMPLETE WITH GROUP LABELING.
7. ALL WIRES SHALL BE MARKED AS INDICATED ON THE DRAWINGS.
8. JUMPER BARS SHALL BE USED INSTEAD OF WIRE JUMPERS WHERE POSSIBLE.
9. THE PANEL IS TO BE FABRICATED BY A CSA CERTIFIED PANEL SHOP. PROVIDE METAL CSA CERTIFICATION PLATE RIVETED TO ENCLOSURE DOOR
10. A WARNING LABEL SHALL BE LOCATED AT THE TOP LEFT CORNER OF THE DOOR STATED AS FOLLOWS:

WARNING

347VAC & 120VAC POWER PRESENT FROM MULTIPLE SOURCES. ISOLATE SOURCES BEFORE WORKING IN THIS CABINET.

POWER SOURCES
347VAC CIRCUITS : K722–7
120VAC CIRCUITS : K713U–6

REFERENCE DRAWINGS	DESCRIPTION
1–0102–ELTG–K005	EXTERIOR LIGHTING CONTROL, LC–K725 SCHEM. & WIRING DIAG.

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

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR CONSTRUCTION – 976–2016	2017/04/05	SLJ	DEB

CH2MHILL. SNC·LAVALIN KGS GROUP

DESIGNED BY: S. JUGANAS
CHECKED BY: E. RYCZKOWSKI
DRAWN BY: S. JUGANAS
APPROVED BY: D. BECKER
SCALE: AS SHOWN
ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2015/03/02
DATE: 2017/04/05
CONSULTANT NO.: 474248

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D.E. BECKER
Member 23646
REGISTERED PROFESSIONAL ENGINEER
April 5/2017

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
ELECTRICAL – EXTERIOR LIGHTING CONTROL
HIGH RATE CLARIFICATION BUILDING
LC–K725 CABINET LAYOUT

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1–0102–ECBD–K005	001	00	A1

PLOT DATE: Mar 24, 2017 – 9:39am
FILE NAME:1–0102–ECBD–K005.dwg

LAST SAVE: 2017/03/24 – 9:39am
PATH: C:\DWG\1–0102–ECBD–K005.dwg