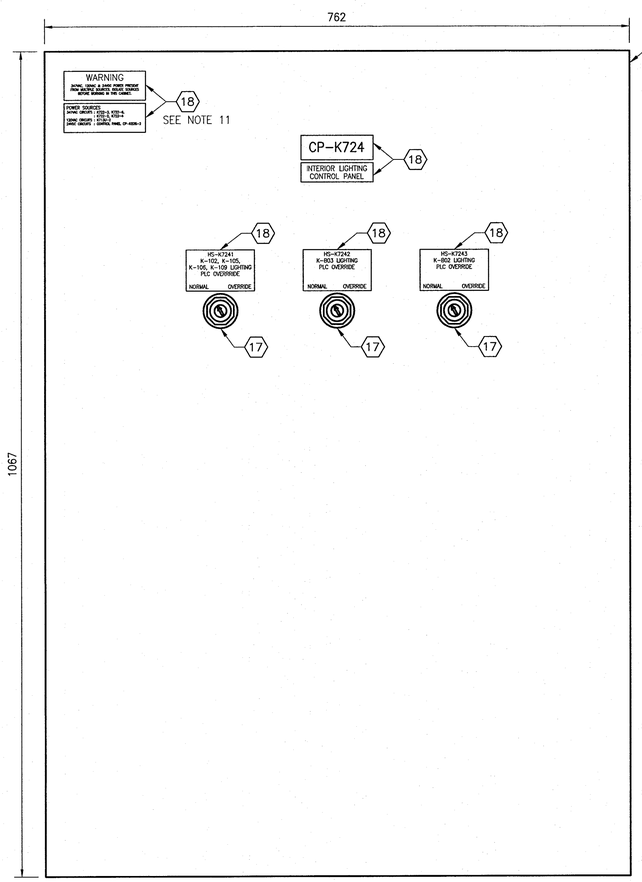
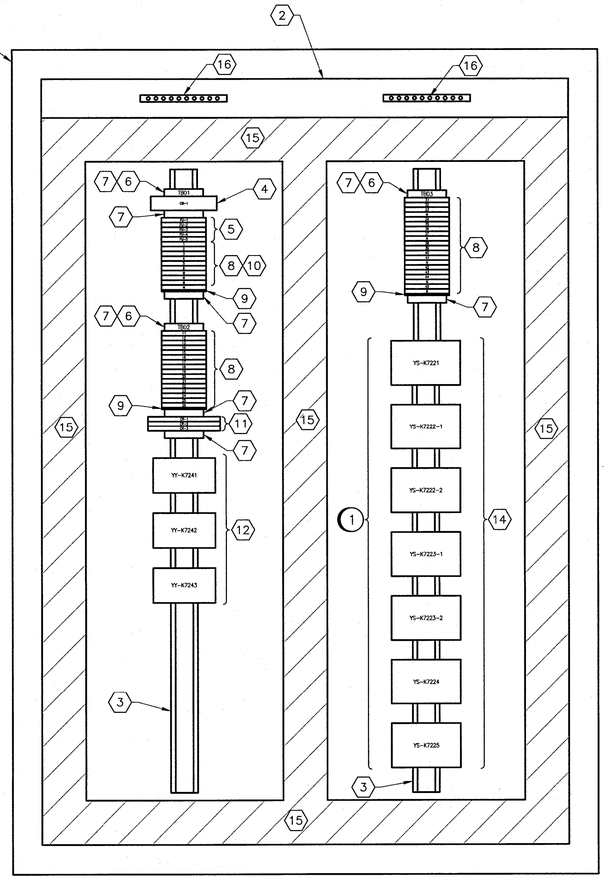
A1 SIZE – 594mm x 841mm



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	5	FUSED TERMINAL C/W FUSE PLUG	PHOENIX CONTACT	3046142 3036806
6	AS REQ'D	TERMINAL BLOCK MARKER	PHOENIX CONTACT	1004348
7	AS REQ'D	TERMINAL END CLAMP	PHOENIX CONTACT	1201442
8	AS REQ'D	FEED THROUGH TERMINAL	PHOENIX CONTACT	3046184
9	AS REQ'D	TERMINAL END PLATE	PHOENIX CONTACT	3047141
10	AS REQ'D	PLUG-IN BRIDGE, 4 POSITION	PHOENIX CONTACT	3025082
11	3	RELAY MODULE, 24VDC COIL, 3AMP 1 SPDT CONTACT C/W BUILT-IN DIODE PROTECTION	PHOENIX CONTACT	2966171
12	3	LIGHTING CONTACTOR C/W MOV SURGE SUPPRESSOR, 4 POLES, DIN RAIL MOUNT	ALLEN BRADLEY	100L-C20ND4
13	–	NOT USED	–	–
14	7	CONTROL RELAY C/W LOGIC REED CARTRIDGE FOR LOW ENERGY CIRCUITS, 10AMP AC CONTACT RATING, 347VAC 60HZ COIL, DIN RAIL MOUNT	ALLEN BRADLEY	700-P000A35 C/W 700-PLRKIT
15	AS REQ'D	NARROW SLOT WIRE DUCT AND COVER 2.25" W x 3.12"H	PANDUIT	F2X3LG6
16	2	GROUND BAR, 8 TAPS	ILSCO	D167-8
17	3	30.5mm, 2 POSITION SELECTOR SWITCH, MAINTAINED, LOCK-LEFT, STANDARD KEY, 1 N.O. – 1 N.C. CONTACTS	ALLEN BRADLEY	800TC-H31A
18	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. ALL FUSES ARE TO BE PROVIDED. IN ADDITION, TWO SPARES OF EACH FUSE SIZE ARE TO BE PROVIDED.
4. TEST ALL WIRING AND COMPONENTS FOR FUNCTIONAL OPERATION, CORRECT CONNECTION AND CONTINUITY. 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 ALL 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. JUMPER BARS SHALL BE USED INSTEAD OF WIRE JUMPERS WHERE POSSIBLE.
10. THE PANEL IS TO BE FABRICATED BY A CSA CERTIFIED PANEL SHOP. PROVIDE METAL CSA CERTIFICATION PLATE RIVETED TO ENCLOSURE DOOR.
11. A WARNING LABEL SHALL BE LOCATED AT THE TOP LEFT CORNER OF THE DOOR STATED AS FOLLOWS:

WARNING
347VAC, 120VAC & 24VDC POWER PRESENT FROM MULTIPLE SOURCES. ISOLATE SOURCES BEFORE WORKING IN THIS CABINET.

POWER SOURCES
347VAC CIRCUITS : K722-3, K722-6,
: K722-2, K722-4, K722-1
120VAC CIRCUITS : K713U-2
24VDC CIRCUITS : CONTROL PANEL CP-K826-2

SPECIFIC NOTES:

(1) INSTALL THE 700-PLRKIT TO THE CONTROL RELAY BASE AS PER MANUFACTURER'S RECOMMENDATION.

LAST SAVE: 2017/03/24 – 9:39am
PATH: C:\DWG\1-0102-ECBD-K004.dwg

REFERENCE DRAWINGS	DESCRIPTION
1-0102-ELTG-K004	INTERIOR LIGHTING CONTROL, CP-K724 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

PLOT DATE: Mar 24, 2017 – 9:39am

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
Apr. 5 2017

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
ELECTRICAL – CABINET LAYOUT
HIGH RATE CLARIFICATION BUILDING
CP-K724 CABINET LAYOUT

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102-ECBD-K004	001	00	A1

FILE NAME: 1-0102-ECBD-K004.dwg