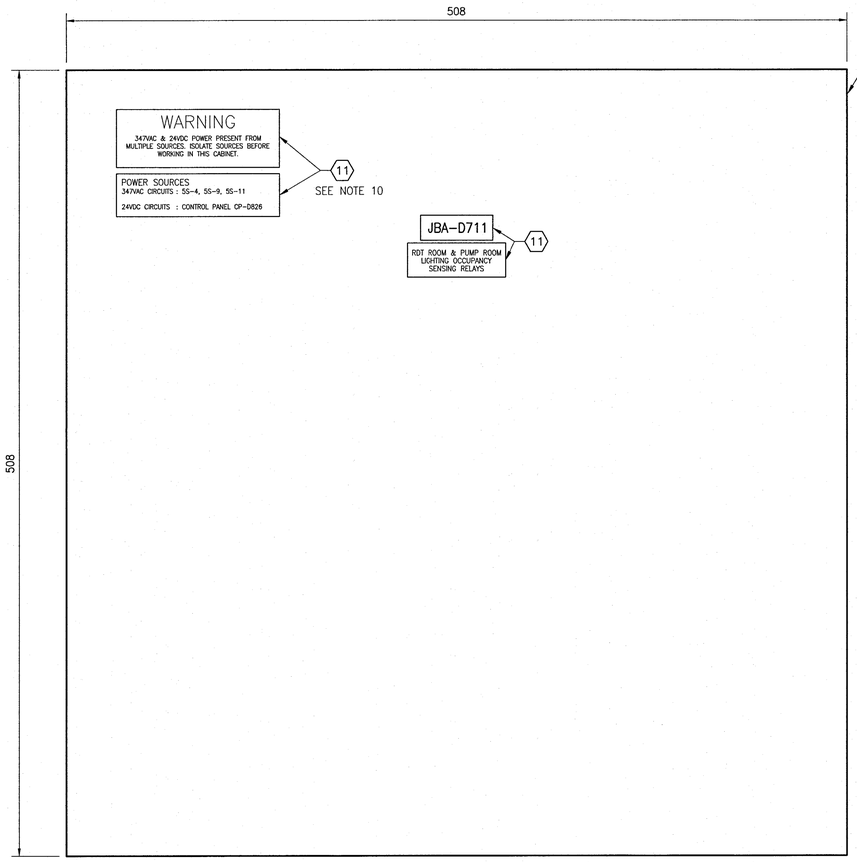
A1 SIZE – 594mm x 841mm

BILL OF MATERIAL

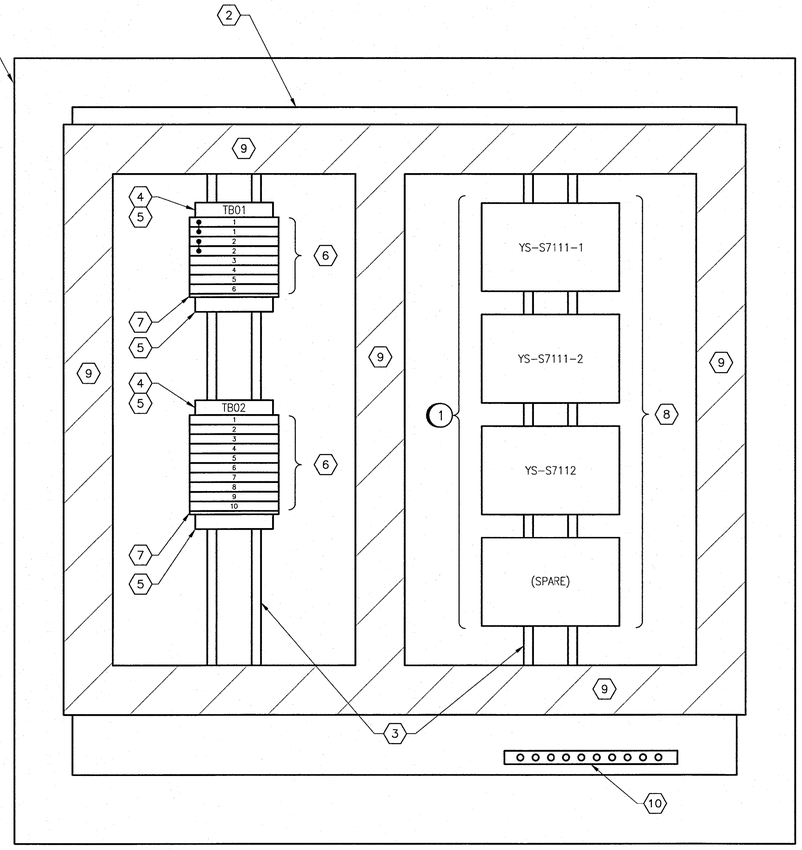
ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
1	1	NEMA 12 ENCL. WALL MOUNT – 508 x 508 x 203mm	HOFFMAN	A202008LP
2	1	BACK PANEL FOR ITEM 1	HOFFMAN	A20P20
3	AS REQ'D	35mm DIN RAIL	PHOENIX CONTACT	0801733
4	AS REQ'D	TERMINAL BLOCK MARKER	PHOENIX CONTACT	1004348
5	AS REQ'D	TERMINAL END CLAMP	PHOENIX CONTACT	1201442
6	AS REQ'D	FEED THROUGH TERMINAL	PHOENIX CONTACT	3046184
7	AS REQ'D	TERMINAL END PLATE	PHOENIX CONTACT	3047141
(1) 8	4	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
9	AS REQ'D	NARROW SLOT WIRE DUCT AND COVER 32 (1.26") W x 53.8 (2.12") H	PANDUIT	F1X2LG6
10	1	GROUND BAR, 8 TAPS	ILSCO	D167–8
11	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.



EXTERIOR PANEL VIEW

1 : 2



INTERIOR PANEL VIEW

1 : 2

GENERAL NOTES:

1. CONTROL WIRING TO BE TEW/MTW, 300V RATED (FOR CIRCUITS 120V & BELOW) AND TEW/MTW, 600V RATED (FOR 347V CIRCUIT), 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 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 & 24VDC POWER PRESENT FROM MULTIPLE SOURCES. ISOLATE SOURCES BEFORE WORKING IN THIS CABINET.

POWER SOURCES
347VAC CIRCUITS : 5S–4, 5S–9, 5S–11

24VDC CIRCUITS : CONTROL PANEL CP–D826

SPECIFIC NOTES:

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

REFERENCE DRAWINGS	DESCRIPTION
1–0102–ELTG–D003	JBA–D711 SCHEMATIC AND WIRING DIAGRAM

1:2 20 0 40 80

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: 1:2	ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2016/10/04	DATE: 2017/04/05
CONSULTANT NO.: 474248	

ENGINEER'S SEAL: PROVINCE OF MANITOBA D.E. BECKER 23646 Member 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 – CABINET LAYOUT
FERMENTERS / THICKENERS
JBA–D711

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1–0102–ECBD–D004	001	00	A1

LAST SAVE: 2017/03/24 – 2:20pm
PATH: C:\Users\persm2\DWG\1–0102–ECBD–D004.dwg

PLOT DATE: Mar 24, 2017 – 2:20pm

FILE NAME: 1–0102–ECBD–D004.dwg