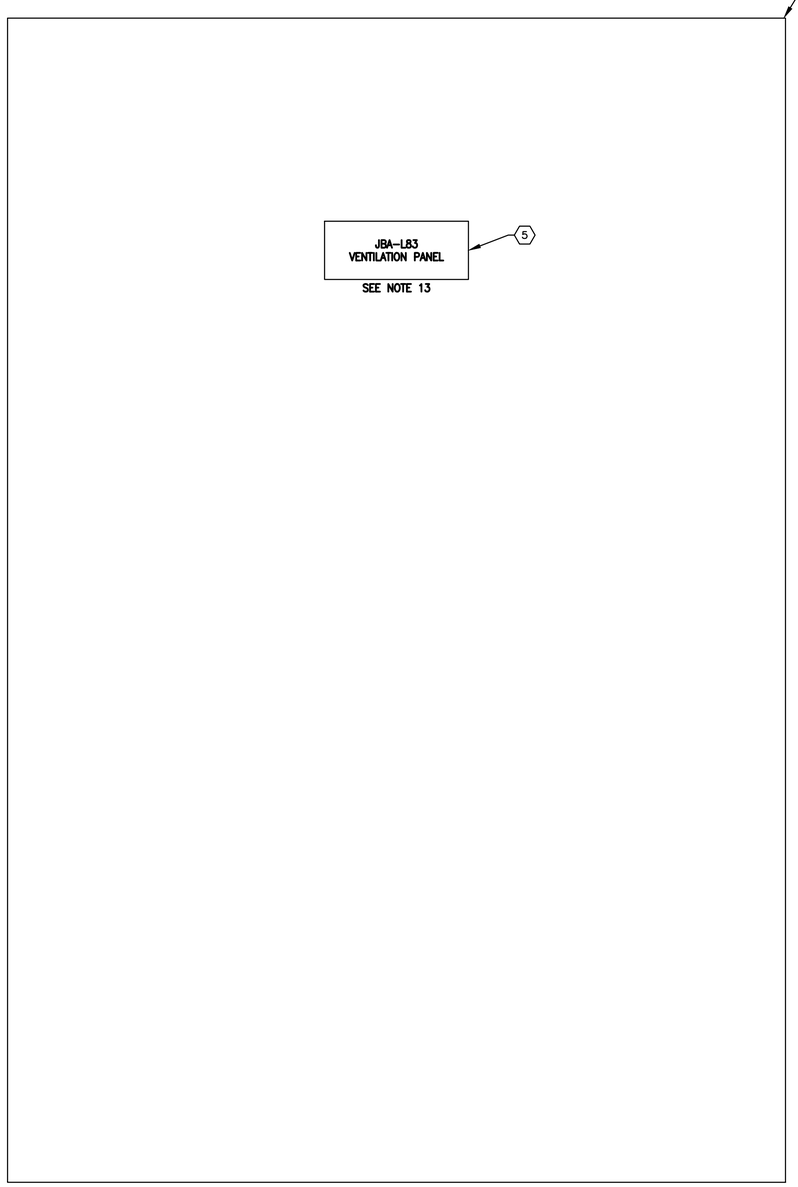
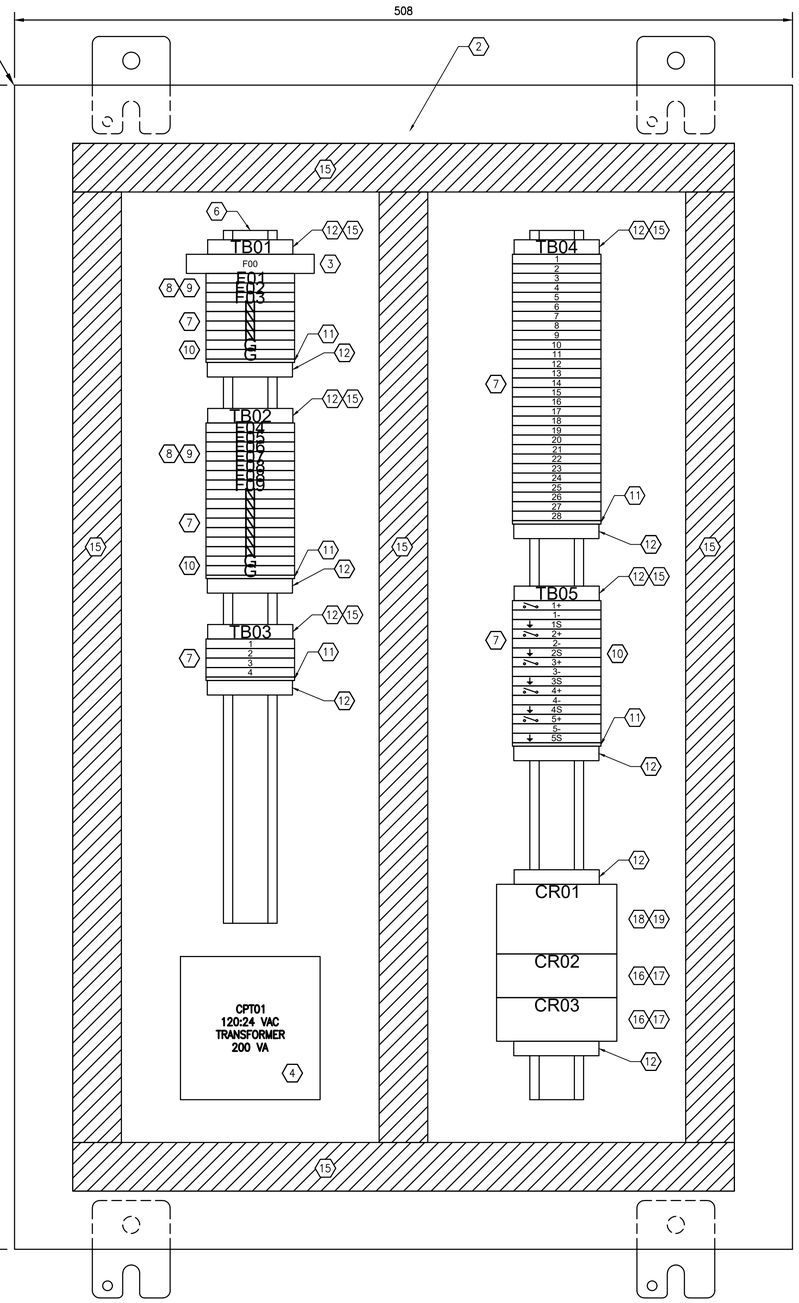
A1 SIZE - 594mm x 841mm



EXTERIOR PANEL VIEW
SCALE: 1:2



INTERIOR PANEL VIEW
SCALE: 1:2

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
1	1	SINGLE-DOOR TYPE 12 & 13 WALL-MOUNTED ENCLOSURE	HOFFMAN	A302006LP
2	1	BACKPAN	HOFFMAN	A30P20
3	1	FUSE HOLDER AND 7.5 A CLASS CC TD FUSE	LITTELFUSE	LPHV001 CCMR07.5
4	1	120:24VAC TRANSFORMER, 200 VA	SQUARE D	9070T200D13
5	AS REQ'D	LAMACOID, WHITE PLATE WITH BLACK TEXT	–	–
6	AS REQ'D	35mm DIN RAIL	PHOENIX CONTACT	0801733
7	AS REQ'D	FEED-THROUGH TERMINAL	PHOENIX CONTACT	3046184
8	AS REQ'D	FUSED TERMINAL	PHOENIX CONTACT	3046142
9	AS REQ'D	FUSE CONNECTOR	PHOENIX CONTACT	3036806
10	AS REQ'D	POTENTIAL EARTH TERMINAL	PHOENIX CONTACT	3046207
11	AS REQ'D	TERMINAL END PLATE	PHOENIX CONTACT	3047141
12	AS REQ'D	TERMINAL END CLAMP	PHOENIX CONTACT	1201442
13	AS REQ'D	PLUG-IN BRIDGE	PHOENIX CONTACT	3030365
14	AS REQ'D	NARROW SLOT WIRING DUCT, 1.25" x 3.12"	PANDUIT	–
15	AS REQ'D	TERMINAL BLOCK MARKER	PHOENIX CONTACT	1004348
16	2	RELAY, 24 VAC, DPDT, LED	OMRON	LY2N-AC24
17	2	RELAY BASE FOR ITEM 16	OMRON	PTF08A-E
18	1	RELAY, 24 VAC, 4PDT, LED	OMRON	LY4N-AC24
19	1	RELAY BASE FOR ITEM 18	OMRON	PTF14A-E

NOTES:

1. ALL 120 VAC POWER WIRING TO BE TEW 600V, 105°C INSULATION, STRANDED COPPER, 14 AWG OR LARGER WHERE CURRENT REQUIREMENTS DICTATE AS PER CEC REQUIREMENTS.
2. ALL 24 VAC POWER WIRING TO BE TEW 600V, 105°C INSULATION, STRANDED COPPER, 14 AWG OR LARGER WHERE CURRENT REQUIREMENTS DICTATE AS PER CEC REQUIREMENTS.
3. ALL CONTROL WIRING TO BE TEW 600V, 105°C INSULATION, STRANDED COPPER, 16 AWG.
4. ALL ANALOG WIRING TO BE 18 AWG SHIELDED TWISTED PAIR, WITH INSULATION RATED AT 600V.
5. EXTERNAL COMPONENTS ARE TO BE LABELED AS SHOWN ON THE DRAWINGS.
6. ALL FUSES ARE TO BE PROVIDED. IN ADDITION, TWO SPARES CONTAINERS OF EACH FUSE SIZE ARE TO BE PROVIDED.
7. TEST ALL WIRING AND COMPONENTS FOR FUNCTIONAL OPERATION, CORRECT CONNECTION, CONTINUITY AND INSULATION INTEGRITY. THREE COPIES OF CERTIFIED TEST DOCUMENTATION ARE TO BE PROVIDED.
8. ALL MAJOR COMPONENTS INSIDE THE PANEL ARE TO BE LABELED WITH LAMACOIDS IN ACCORDANCE WITH MAJOR DESCRIPTIONS ON THE DRAWINGS.
9. PROVIDE WIRE BARREL FERULES FOR ALL WIRING.
10. ALL TERMINAL BLOCKS SHALL BE NUMBERED AS SHOWN IN THE DRAWINGS COMPLETE WITH GROUP LABELING. ALL WIRES SHALL BE MARKED AS INDICATED ON THE DRAWINGS.
11. CLEARLY LABEL DEVICE IDENTIFIERS ON THE DOOR INTERIOR USING COMPUTER-GENERATED ADHESIVE LABELS OR LAMACOIDS.
12. WHERE MANUFACTURER AND MODEL ARE SPECIFIED, SUBSTITUTIONS MUST BE APPROVED.
13. LAMACOIDS SHALL BE MECHANICALLY ATTACHED USING RIVETS.

LAST SAVE: 2023/07/20 - 3:23pm
PATH: C:\pw working directory\projects 2022\dillon_40zn\dms07227\223229-04-VENTILATION PANEL LAYOUT.dwg

DRAWING NUMBER	REFERENCE DRAWINGS
1-0178L-A0001	AUTOMATION PLAN LAYOUT

50 0 50 100 mm
1 : 2

NOT FOR CONSTRUCTION

ISSUED FOR TENDER

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date:

NO.	REVISIONS	DATE	DESIGN	CHECK
0	ISSUED FOR TENDER	2023/07/20	CAL	BLM

DILLON CONSULTING

DESIGNED BY: CAL	CHECKED BY: BLM
DRAWN BY: SK	APPROVED BY: BLM
SCALE: NTS	RELEASED FOR CONSTRUCTION BY:
DATE: MARCH 2023	DATE:
CONSULTANT NO.: 22-3229	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
C.A. LANGE
Member
37791
2023/07/20
REGISTERED PROFESSIONAL ENGINEER

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

RIVERBEND LIFT PUMPING STATION
2023 UPGRADES
PANEL LAYOUT & BILL OF MATERIAL
VENTILATION PANEL
JBA-L83

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0178L-A0014	001	0	A1

223229-04-VENTILATION PANEL LA