

BILL OF MATERIALS

BOM REF	QTY	ITEM	MANUFACTURER	PART NUMBER
1	1	PROLINE ENCLOSURE, NEMA 12, FRAME	HOFFMAN	P2F20128
1	1	PROLINE ENCLOSURE SOLID BACK COVER	HOFFMAN	P2C2012
1	2	PROLINE ENCLOSURE SOLID SIDE COVER	HOFFMAN	P2CS208
1	1	PROLINE ENCLOSURE SOLID TOP	HOFFMAN	P2T128
1	1	PROLINE ENCLOSURE LIFTING EYES	HOFFMAN	P2ALE
1	1	PROLINE ENCLOSURE OVERLAPPING DOORS	HOFFMAN	P2DO2012
1	2	PROLINE ENCLOSURE LED LIGHT KIT, AC SWITCH, SCREW	HOFFMAN	LEDA1535
1	1	PROLINE ENCLOSURE, FULLY SEALED PLINTH BASE, 100 MM	HOFFMAN	P2B1128
2	1	PROLINE ENCLOSURE FULL BACK PANEL 2000MM X 1200MM, MILD STEEL	HOFFMAN	P2P2012
3	2	PROLINE ENCLOSURE FULL SIDE PANEL 2000MM X 800MM, MILD STEEL	HOFFMAN	P2PSM208
4	1	CONTROLLOGIX CHASSIS, 10 SLOT	ALLEN BRADLEY	1756-A10
4	AS REQ.	CONTROLLOGIX ANALOG INPUT MODULE, 16 POINT	ALLEN BRADLEY	1756-IF16
4	AS REQ.	CONTROLLOGIX ANALOG OUTPUT MODULE, 8 POINT	ALLEN BRADLEY	1756-OF8
4	AS REQ.	CONTROLLOGIX DISCRETE INPUT MODULE, AC, ISOLATED, 16 POINT	ALLEN BRADLEY	1756-IA16I
4	AS REQ.	CONTROLLOGIX DISCRETE INPUT MODULE, DC, ISOLATED, 16 POINT	ALLEN BRADLEY	1756-IB16I
4	AS REQ.	CONTROLLOGIX DISCRETE OUTPUT MODULE, RELAY, 16 POINT	ALLEN BRADLEY	1756-OW16I
4	1	CONTROLLOGIX POWER SUPPLY, 24VDC	ALLEN BRADLEY	1756-PA75/B
4	1	CONTROLLOGIX PROCESSOR MODULE	ALLEN BRADLEY	1756-LB1E
4	AS REQ.	EMPTY SLOT FILLER	ALLEN BRADLEY	1756-N2
4	1	MODBUS TCP/IP MODULE	PROSOFT	MV156E-MNETC
5	AS REQ.	SUPPLEMENTAL CIRCUIT BREAKER, 3A	ALLEN BRADLEY	1492-SP1C030
6	AS REQ.	SUPPLEMENTAL CIRCUIT BREAKER, 5A	ALLEN BRADLEY	1492-SP1C050
7	AS REQ.	SUPPLEMENTAL CIRCUIT BREAKER, 10A	ALLEN BRADLEY	1492-SP1C100
8	AS REQ.	SUPPLEMENTAL CIRCUIT BREAKER, 20A	ALLEN BRADLEY	1492-SP1C200
9	AS REQ.	TERMINAL BLOCK	ALLEN BRADLEY	1492-J3
9	AS REQ.	TERMINAL BLOCK CENTER JUMPER, 10 POLE FOR 1492-J3	ALLEN BRADLEY	1492-CJ6-10
9	AS REQ.	TERMINAL BLOCK END ANCHOR FOR 1492-J3	ALLEN BRADLEY	1492-EAJ35
9	AS REQ.	TERMINAL BLOCK END BARRIER FOR 1492-J3	ALLEN BRADLEY	1492-EBJ3
9	AS REQ.	TERMINAL BLOCK PARTITION PLATE FOR 1492-J3	ALLEN BRADLEY	1492-EBJ16
10	AS REQ.	TERMINAL BLOCK, TWO-LEVEL, TWO CIRCUIT FEED THROUGH	ALLEN BRADLEY	1492-JD4
9	AS REQ.	TERMINAL BLOCK CENTER JUMPER, 10 POLE FOR 1492-JD4	ALLEN BRADLEY	1492-CJL6-10
10	AS REQ.	TERMINAL BLOCK END BARRIER FOR 1492-JD4	ALLEN BRADLEY	1492-EBJ4
10	AS REQ.	TERMINAL BLOCK PARTITION PLATE FOR 1492-JD4	ALLEN BRADLEY	1492-PPJ3
11	AS REQ.	GROUND TERMINAL BLOCK	ALLEN BRADLEY	1492-JG4
12	AS REQ.	FUSE, 5X20MM, 1A	BUSSMANN	GMA-1A
12	AS REQ.	FUSE, 5X20MM, 2A	BUSSMANN	GMA-2A
12	AS REQ.	FUSE, 5X20MM, 3A	BUSSMANN	GMA-3A
12	AS REQ.	FUSE, 5X20MM, 5A	BUSSMANN	GMA-5A
12	AS REQ.	FUSED TERMINAL BLOCK	ALLEN BRADLEY	1492-WFB4
12	AS REQ.	FUSED TERMINAL BLOCK SIDE JUMPER, 10 POLE	ALLEN BRADLEY	1492-SJFB8-10
13	AS REQ.	DIN RAIL	ALLEN BRADLEY	199-DR1
14	AS REQ.	DISCRETE IFM CABLE, PREWIRED	ALLEN BRADLEY	1492-CABLE0***Y
15	AS REQ.	DISCRETE IFM WIRING MODULE	ALLEN BRADLEY	1492-IFM40F
16	AS REQ.	ANALOG IFM WIRING MODULE	ALLEN BRADLEY	1492-AIFM8-3
17	AS REQ.	ANALOG INPUT IFM CABLE, PREWIRED, SINGLE ENDED CURRENT	ALLEN BRADLEY	1492-ACABLE***UB
18	AS REQ.	ANALOG OUTPUT IFM MODULE CABLE, PREWIRED, CURRENT	ALLEN BRADLEY	1492-ACABLE***WB
19	AS REQ.	ANALOG SIGNAL ISOLATOR	PHOENIX CONTACT	2902014
19	AS REQ.	ISOLATOR POWER TERMINAL BLOCK	PHOENIX CONTACT	2902067
19	AS REQ.	DIN RAIL BUS CONNECTOR	PHOENIX CONTACT	2695439
20	2	AC-DC POWER SUPPLY, 120VAC - 24VDC @ 5A	PHOENIX CONTACT	2866750
21	2	DC - DC CONVERTER, 48VDC - 24VDC @ 5A	PHOENIX CONTACT	2320144
22	2	24VDC POWER REDUNDANCY MODULE	PHOENIX CONTACT	2320173
23	1	ETHERNET SWITCH	CISCO	IE3000-8TC
24	1	MODBUS TCP/IP TO MODBUS RTU GATEWAY	MOXA	MB3480
24	1	MODBUS TCP/IP TO MODBUS RTU GATEWAY, DIN RAIL KIT	MOXA	DK-35A
24	4	MAX BLOCK CONNECTORS FOR DB9 CONNECTIONS	MOXA	CD-MX9F
25	AS REQ.	WIRE DUCT COVER, 2" WIDE, WHITE	T&B	TY2CPW6
25	AS REQ.	WIRE DUCT, 2.0"x4", WIDE SLOT, WHITE	T&B	TY2X4WPW6
26	AS REQ.	WIRE DUCT COVER, 3" WIDE, WHITE	T&B	TY3CPW6
26	AS REQ.	WIRE DUCT, 3.0"x4", WIDE SLOT, WHITE	T&B	TY3X4WPW6
27	AS REQ.	WIRE DUCT COVER, 4" WIDE, WHITE	T&B	TY4CPW6
27	AS REQ.	WIRE DUCT, 4"x4", WIDE SLOT, WHITE	T&B	TY4X4WPW6
28	1	DUPLEX RECEPTACLE COVER PLATE, IVORY	HUBBELL	HPSI
28	1	RECEPTACLE, 15 AMP, DUPLEX, GFCl	HUBBELL	GF8200IA
29	2	GROUNDING BAR	CUTLER-HAMMER	GBK14P

NOTES:

- CABLE LENGTHS FOR ITEMS 14, 17, & 18 MUST BE VERIFIED BY THE PANEL FABRICATOR PRIOR TO INSTALLATION. REPLACE *** IN THE PART NUMBER AS REQUIRED TO COMPLETE THE CABLE PART NUMBER WITH THE CORRECT CABLE LENGTH.
- NOTCH BACK AND SIDE PANEL EDGES TO GAIN EXTRA CLEARANCE FOR PANEL MOUNTED EQUIPMENT.
- FIBER PATCH PANEL REQUIRES ADDITIONAL FIBER CONNECTOR SUB PANELS. ALL FIBER SUB PANELS, FIBER JUMPERS, FIBER TERMINATIONS AND BULK FIBER OPTIC CABLE SHALL BE PROVIDED AND INSTALLED BY SNWS COMMUNICATIONS GROUP.
- NETWORK SWITCH REQUIRES ADDITIONAL SMALL FORM-FACTOR PLUGGABLE (SFP) INTERFACES FOR FIBER OPTIC CABLE CONNECTIONS. SNWS COMMUNICATIONS GROUP TO SPECIFY AND PURCHASE SFP'S AS REQUIRED TO COMPLETE NETWORK INSTALLATION.

