

BILL OF MATERIALS

SPS			SWITCHGEAR POWER SYSTEMS	PROJECT START DATE:	08/07/18
JOB #:			2845	REVISION LETTER, INITIALS AND DATE	AS-BUILT KJP 04/18/19
JOB NAME:			WESTROCK	QTY:	1
DESCRIPTION:			13.8 kV, 15 kV, 95 kV BIL, 2000A, 60Hz, METAL CLAD SWITCHGEAR, MILD STEEL, NEMA 1	MECH ENGINEER:	SR/CM
MECHANICAL DWG			2845-M	ELEC ENGINEER:	EK
ELECTRICAL DWG			2845-E	APP ENGINEER:	JRT/KJP
				PROJECT MGR:	SB
ITEM	QTY	TOTAL QTY	DESCRIPTION	MANUFACTURER	MANUFACTURER PART#
1	1	1	CIRCUIT BREAKER, GENERATOR RATED, 15KV, 2000 AMP, 50KA INTERRUPTING RATING, 137KA CLOSE AND LATCH, 82KA MOMENTARY, 125 VDC SECONDARY CONTROL VOLTAGE, LOWER 2000 AMP APPLICATION, TYPE 150VCP-WG50-2000A - 125VDC	EATON	4A35145G19 + 125 VDC SECONDARY CONTROL VOLTAGE - USED BEFORE ON PO# 20082
2	1	1	MINI MODULE, 15KV, 2000 AMP, 63KA, GLASS POLY INSULATION, DIRECT ROLL IN	EATON	1C19984G781
3	1	1	TOC SWITCH, 5A/5B CONTACTS, WITH SCREW TYPE TERMINALS	EATON	1C20006G15
4	1	1	MOC SWITCH, 5A/5B CONTACTS, TEST & CONNECT POSITIONS, WITH SCREW TYPE TERMINALS	EATON	1C20007G28
5	1	1	TEST CABINET, ANY DC CLOSE AND ANY TRIP, FOR EATON BREAKER APPLICATION NOTE: SHIP LOOSE	EATON	8346A28G21
6	1	1	TEST JUMPER, FOR EATON BREAKER APPLICATION NOTE: SHIP LOOSE	EATON	6526C23G11
7	1	1	SPIN FREE LEVERING-IN CRANK WITH CLUTCH, NOTE: SHIP LOOSE	EATON	701B601G11
8	1	1	MANUAL CHARGING HANDLE NOTE: SHIP LOOSE	EATON	8064A02G11
9	1	1	WHEEL CONVERSION KIT, FOR ALL ACTIVE CELLS, ATTACHES TO BREAKER BOTTOM, ALLOWS FOR ROLL ON FLOOR APPLICATION FOR ACTIVE BREAKERS NOTE: SHIP LOOSE	EATON	68C5010G41
9.1	1	1	PORTABLE LIFTER, CONVERTIBLE, FOR EATON BREAKER APPLICATION	EATON	1C19086H01
10	6	6	BREAKER STUD BOOT, PRIMARY BOTTLE APPLICATION, 2000 AMP	EATON OR EQUAL	EATON 6359C66H01 / EGER 6359C66H01-D
11	6	6	BREAKER CLOSURE BOOT, PRIMARY BOTTLE APPLICATION, 2000 AMP	EATON OR EQUAL	EATON 6359C97H01 / EGER 6359C97H01-D
12	2	2	POTENTIAL TRANSFORMER (PT) MODULE, DRAWOUT, 15KV, FOR 3 - SINGLE FUSE PT's - WYE CONNECTED, INCLUDES DRAWOUT TRAY AND RACKING SYSTEM, WITH GLASS POLYESTER PRIMARY CONTACT SUPPORTS, INCLUDES DOOR WITH PANEL SCREW ASSY, AND DOOR STOP ASSY. (LINE SIDE DRAWER APPLICATIONS)	ABB	CP6A1W1NAY000U

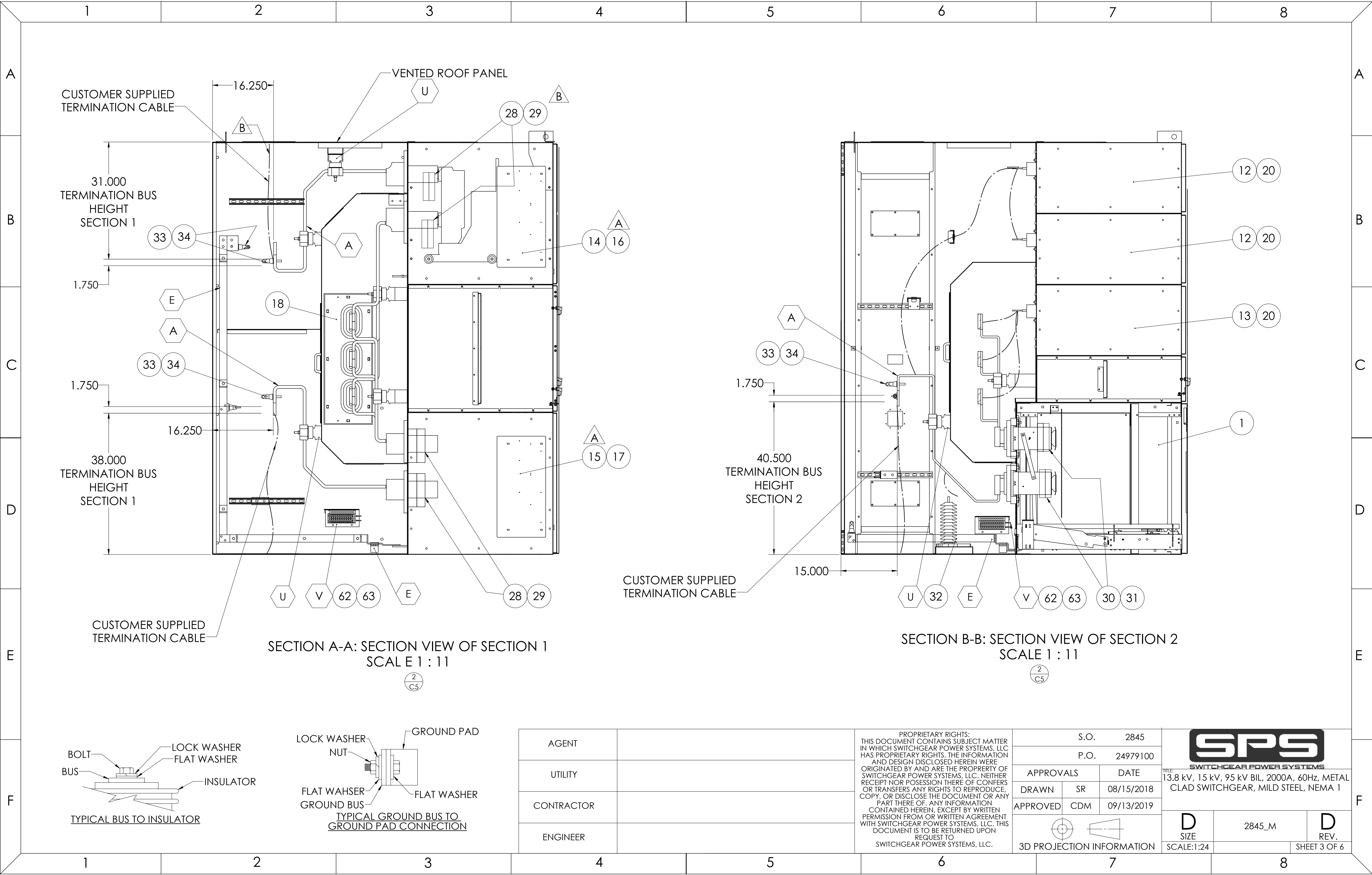
13	1	1	POTENTIAL TRANSFORMER (PT) MODULE, DRAWOUT, 15KV, FOR 3 - SINGLE FUSE PT's - WYE CONNECTED, INCLUDES DRAWOUT TRAY AND RACKING SYSTEM, WITH GLASS POLYESTER PRIMARY CONTACT SUPPORTS, INCLUDES DOOR WITH PANEL SCREW ASSY, AND DOOR STOP ASSY. (BUS SIDE DRAWER APPLICATION)	ABB	CP6B1W1NAY000U
14	1	1	DRAWOUT BREAKER MODULE: INCLUDES UPPER CIRCUIT BREAKER CELL ASSY, 5 - 15 kV, 2000 AMP, TYPE AMVAC, WITH GLASS POLYESTER INSULATION, 50KA MAX. DUAL SECONDARY DISCONNECT, & METAL PRIMARY SHUTTERS, UPPER - WITH TOC AND ACTUATOR, INCLUDES DOOR WITH PANEL SCREW ASSY, AND DOOR STOP ASSY.	ABB	CB11U2211AY00U
15	1	1	ROLL ON THE FLOOR BREAKER MODULE: INCLUDES LOWER CIRCUIT BREAKER CELL ASSY, 5 - 15 kV, 2000 AMP, TYPE AMVAC, WITH GLASS POLYESTER INSULATION, 50KA MAX. DUAL SECONDARY DISCONNECT & METAL PRIMARY SHUTTERS, LOWER - WITH TOC AND ACTUATOR, INCLUDES DOOR WITH PANEL SCREW ASSY, AND DOOR STOP ASSY.	ABB	CBR1L2211AY00U
16	1	1	VACUUM CIRCUIT BREAKER, DRAWOUT, TYPE AMVAC, 15 kV, 2000 AMP, 50 kA, DUAL SECONDARY DISCONNECT, 125 VDC SECONDARY CONTROL VOLTAGE, UPPER FEEDER CELL, REVERSE PUSHBUTTON COLORING	ABB	MA4K21700001000
17	1	1	VACUUM CIRCUIT BREAKER, ROLL ON THE FLOOR, TYPE AMVAC, 15 kV, 2000 AMP, 50 kA, DUAL SECONDARY DISCONNECT, 125 VDC SECONDARY CONTROL VOLTAGE, LOWER FEEDER CELL, REVERSE PUSHBUTTON COLORING	ABB	MB4K21700001000
18	1	1	MAIN BUS MOUNTING ASSY, (THRU-WALL SUPPORT), 2000 AMP, PORCELAIN, FOR 1 LAYER OF 3/4" x 4" BUS BAR	ABB	931773T09
19	2	2	BREAKER INTERFERENCE PLATE, 15-20-50 FOR 15 kV, 2000 AMP, 50 kA, AMVAC VACUUM CIRCUIT BREAKER, BOTH 2000 AMP ABB AMVAC BREAKER APPLICATIONS, ARRANGE TO A FIGURE 4.	ABB	890577A00
20	9	9	POTENTIAL TRANSFORMER (PT), 8400V PRIMARY, 120V SECONDARY, 70:1 RATIO, TYPE VIZ-11, SINGLE FUSE, 15kV, 110kV BIL, SINGLE BUSHING, INCLUDES PT FUSE, LINE TO GROUND CONNECTED, QTY 3 PER PT DRAWER	ABB	7525A68G07
21	1	1	MANUAL OPENING HANDLE, AMVAC BREAKER NOTE: SHIP LOOSE	ABB	19540G00
22	1	1	STANDARD DUTY RACKING CRANK, AMVAC BREAKER NOTE: SHIP LOOSE	ABB	14024G00
23	1	1	LIFT TRUCK, FOOT OPERATED, AMVAC BREAKER NOTE: SHIP LOOSE	ABB	931868T01
24	1	1	TEST CABINET, DUAL SECONDARY DISCONNECT, SINGLE TRIP, AMVAC BREAKER NOTE: SHIP LOOSE	ABB	925320T03

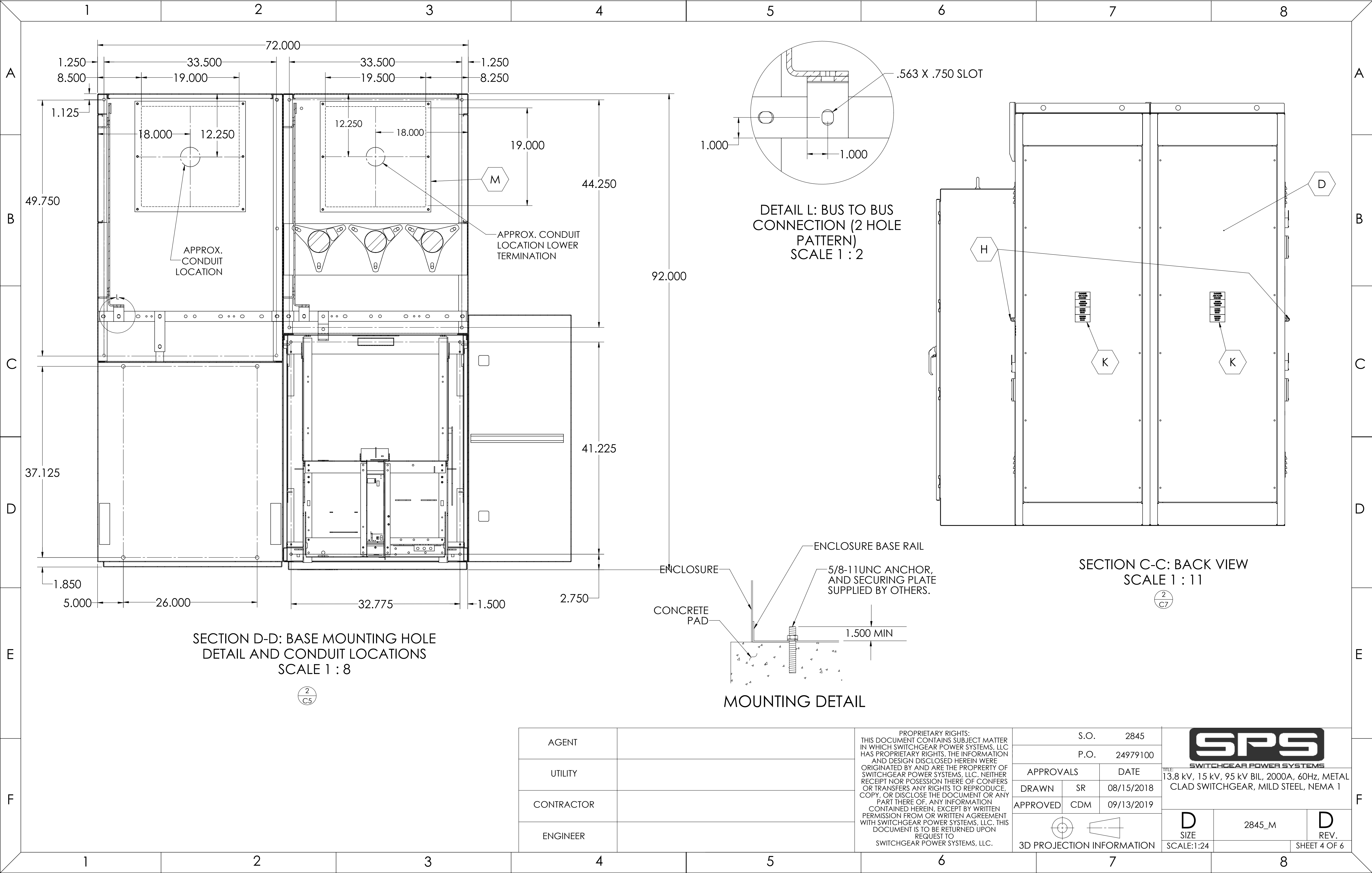
25	1	1	TEST CABLE (JUMPERS), DUAL SECONDARY DISCONNECT NOTE: SHIP LOOSE	ABB	925324T01
26	6	6	PRIMARY STAB BUS BOOT, 2000 AMP, BUS SIDE	ABB or EGER	888726A04
27	6	6	PRIMARY STAB BUS BOOT, 2000 AMP LINE SIDE	ABB or EGER	888726B00
28	18	18	CURRENT TRANSFORMER (CT), 2000:5 AMP RATIO, MODEL CT342, 5.25" DIAMETER WINDOW, STANDARD ACCURACY-C200 RELAY CLASS (DOUBLE STACKED ON ABB AMVAC BREAKER BOTTLE APPLICATION)	AMRAN	CT342-202
29	6	6	CURRENT TRANSFORMER (CT), 3000:5 AMP RATIO, MODEL CT343, 6.50" DIAMETER WINDOW, STANDARD ACCURACY C-200 RELAY CLASS (DOUBLE STACKED ON ABB AMVAC BREAKER BOTTLE APPLICATION)	AMRAN	CT343-302
30	9	9	CURRENT TRANSFORMER (CT), 2000:5 AMP, MODEL CT101, 6.50" DIAMETER WINDOW, STANDARD ACCURACY-C200 RELAY CLASS (DOUBLE STACKED ON EATON VCP-WG BREAKER BOTTLE APPLICATION)	AMRAN	CT101-202
31	3	3	CURRENT TRANSFORMER (CT), 3000:5 AMP, MODEL CT101, 6.50" DIAMETER WINDOW, STANDARD ACCURACY-C200 RELAY CLASS (DOUBLE STACKED ON EATON VCP-WG BREAKER BOTTLE APPLICATION)	AMRAN	CT101-302
32	3	3	SURGE ARRESTER, TYPE VLA, 18kV, 15.3kV MCOV, STATION CLASS, PORCELAIN HOUSED	OHIO BRASS / HUBBEL	217015-3001
33	12	12	GROUND BALL STUD, 1" BALL, 1/2-13 X 2-1/8" LG. THREADED STUD, 4.50" LONG, 400 AMPS BRAND: A.B. CHANCE, BRONZE ALLOY, TIN PLATED	HUBBELL	C600-2102
34	12	12	GROUND BALL STUD FRONT COVER	PHOENIX	PML-5567
35	12	12	GROUND BALL STUD REAR THREADED COVER	PHOENIX	PML-7404
36	3	3	ULTRASOUND WINDOW, COMPLIES WITH IP2X STANDARD, WITH STAINLESS STEEL COVER	IRISS	VP-12-US
37	3	3	INFRARED (IR) WINDOW, XIR SERIES, CSA, NEMA TYPE 4, 6" x 6" OVERALL, 4" x 4" APERTURE	EXISCAN	XIR-A-4-H-X
38	38	38	SURECRIMP COMPRESSION LUG; 2 HOLE, 4/0 AWG COPPER to 3/0 FLEX PURPLE (1/2 X 1 - 3/4) , ILSCO CLND-4/0-12-134, {BOLTED TO BUS BAR FOR CUSTOMER CABLE CONNECTION} QTY. 36 ON PHASE BUS AND QTY. 2 ON GROUND BUS PER SPEC.	ILSCO	CLND-4/0-12-134
39	1	1	AUTOMATIC SINGLE GENERATOR INSULATION TESTER, INPUT VOLTAGE 120 VAC 50/60 Hz, (240 VAC INPUT OPTIONAL) CONTROL SENSING 120 VAC, TEST VOLTAGE 5000 VDC, G.I. INTERFACE CIRCUIT, ALARM/LOCKOUT CONTACTS, FLASHING LED PRE-ALARM/ALARM INDICATORS, MANUAL TEST/CALIBRATE AND RESET FEATURE. INCLUDES GP7000-5 1% SWITCHBOARD METER, COLOR CODED DIAL, 5000 VDC SCALE, GP8012-G-AS REMOTE LED (4)/SWITCH PLATE ASSEMBLY WITH 15FT. CABLE, GP10016-15 kV HV FUSE BLOCK ASSEMBLY, GP10050-15kV HV TEST LEAD, 15 FT. ASSEMBLY GP600-GIC GROUND INTERRUPTER, 400-AMP CONTACTOR NORMALLY CLOSED, GROUND CLOSED LIGHT AND NAMEPLATE ASSEMBLY. NOTE: SHIP LOOSE	MEG ALERT INC.	GP5000-G4-HV-AS

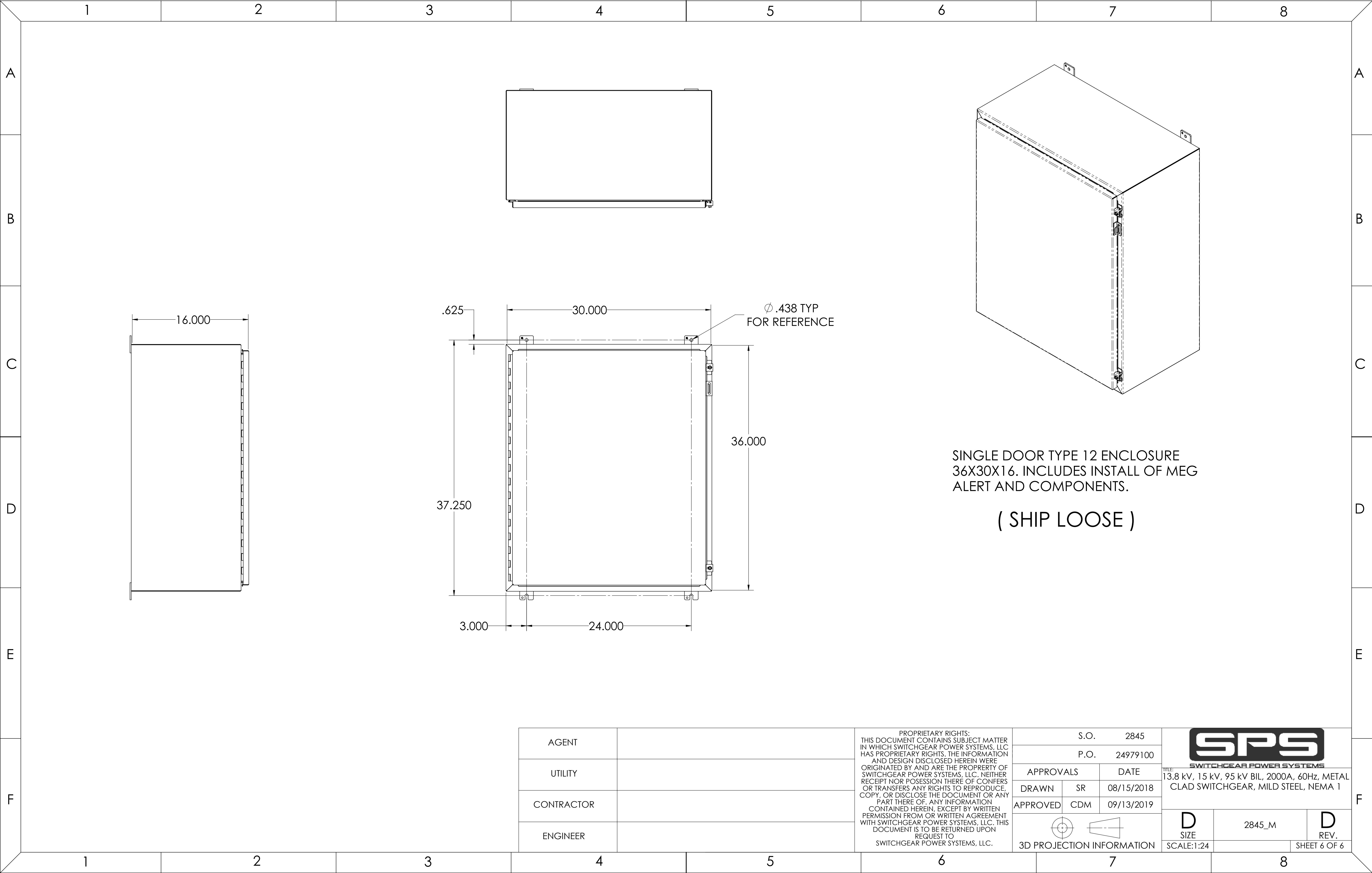
40	1	1	SINGLE DOOR TYPE 12 ENCLOSURE 36X30X16. INCLUDES INSTALL OF MEG ALERT AND COMPONENTS. IT APPEARS THIS WILL BE A HOFFMAN ENCLOSURE. NOTE: SHIP LOOSE	MEG ALERT INC.	GP36x30x16 NEMA 12
41	1	1	TRANSDUCER, INPUT VOLTAGE: 120 VAC, OUTPUT SIGNAL 4-20 MA @ 24VDC, INCLUDES 24VDC POWER SUPPLY. NOTE: SHIP LOOSE	MEG ALERT INC.	GP8025
43	3	3	PAINT, 12 OUNCE AEROSOL CAN, ANSI 61 GRAY, COLORED MATCHED TO HENTZEN COATINGS, POWDER COAT P40273ASC, 35-45% GLOSS LEVEL, 32 OUNCES (1 QUART) QUOTED, 36 OUNCES PROVIDED	SCOTTS	P40273ASC
44	3	3	CUSTOMER CABLE BOOT, TYPE 027, STRAIGHT BUS CONNECTION, FOR EATON's 2000 AMP (1/2" x 6") CUSTOMER CABLE CONNECTIONS	EGER	Z-109
45	6	6	CUSTOMER CABLE BOOT, TYPE 027, STRAIGHT BUS CONNECTION, FOR ABB AMVAC 2000 AMP (3/4" x 4") CUSTOMER CABLE CONNECTIONS	INSULBOOT / PLASTIC DIP MOLDINGS INC.	I-0580
46	49	49	TERMINAL BLOCK, 12 POINT, STANDARD	MARATHON	1512 STD
47	15	15	TERMINAL BLOCK - 6 POINT, SHORT CIRCUITING	MARATHON	1506 SC
48	3	3	PILOT DEVICES : 22MM NEMA : PILOT LIGHTS : INDICATING, RESISTOR, 120VAC/VDC (RED)	C3 CONTROLS	22RL120LR-XPLRD
49	3	3	PILOT DEVICES : 22MM NEMA : PILOT LIGHTS : INDICATING, 120VAC/VDC (GREEN)	C3 CONTROLS	22FVL120LG-XPLGN
50	2	2	GROUND BAR KIT - 21 POINT GROUND BAR KIT	EATON	GBK21P
51	2	2	700G1+ MODEL, BASIC GENERATOR PROTECTION PLUS 87, GEN 25, 64G, 21, 78, AUTO SYNCHRONIZER, 125VDC, 50/60HZ	SEL	0700G11ACACA76850631
52	2	2	SEL-735 POWER QUALITY AND REVENUE METER, VERTICAL PANEL MOUNT, 125VDC, 60HZ, FORM 9 FOUR WIRE WYE(3 PT's, 3 CT's), ONE EIA-232 PORT, ONE EIA-485 PORT, AND ONE 10/100BASE-T ETHERNET PORT, AND IEC 61850 WITH GOOSE AND MMS	SEL	0735BX10944EXXXXXX16 202XX
53	2	2	SEL-751 WITH 2x16 LCD DISPLAY, 125VDC, 8 PUSHBUTTON CONTROLS, SINGLE 10/100BASE-T ETHERNET, EIA-232 REAR WITH SINGLE MULTIMODE ST FIBEROPTIC SERIAL PORT REAR, STANDERD PLUS IEC 61850, 4 DIGITAL INPUT/4 DIGITAL OUTPUTS, VSYNC, VBAT INPUT AND 4 ARC-FLASH DETECTION INPUT: VSYNC (300VAC), VBAT (300VDC) INPUT AND ARC-FLASH DETECTION INPUT	SEL	751001ACA0X70850211
54	1	1	SATELLITE SYNCHRONIZED NETWORK CLOCK	SEL	2488PRAX1181AX23X
55	1	1	ETHERNET TRANSCEIVER	SEL	2890M0X
56	1	1	SEL-587Z HIGH-IMPEDANCE DIFFERENTIAL RELAY, 125VDC, 2 MOVs - 5000J, 2000V, HORIZONTAL PANEL MOUNT, EIA-232 FRONT AND REAR PORT, STANDARD PLUS MODBUS RTU	SEL	0587Z02325312XX
57	3	3	BREAKER CONTROL SWITCH	ELECTROSWITCH	74202LH
58	1	1	86 LOCKOUT RELAY, 3 DECKS, 125VDC	ELECTROSWITCH	7803D

59	3	3	PISTOL GRIP HANDLE, BREAKER CONTROL SWITCH PUSH TO OPERATE HANDLE	ELECTROSWITCH	24PTT-12A
60	1	1	ETHERNET SWITCH, 125VDC, SLOT C ADD FOUR 10/100 POE COPPER PORTS	GARRETTCOM	6KL-125VDC 6KL4-RJ45
61	7	7	PILOT DEVICES : 22MM NEMA : PILOT LIGHTS : INDICATING, RESISTOR, 120VAC/VDC (WHITE)	C3 CONTROLS	22RL120LW-XPLWE
62	5	5	HEAT GUARD, FOR STRIP HEATER MOUNTING APPLICATION (REF SPS 1210530)	SPS	20000038
63	5	5	STRIP HEATER, 240 VAC, 500 WATT, 2.1 AMP DRAW EACH, (240 VOLT HEATER RAN AT 120 VAC FOR EXTENDED LIFE, OLD # 276-19)	HEATREX	HX-565060
64	1	1	THERMOSTAT, REMOTE BULB OUTDOOR, -30 to + 90 DEG. F. ADJUSTABLE TEMPERATURE RANGE	HONEYWELL	T6031A1136
65	1	1	CIRCUIT BREAKER, 1 POLE, 10A	TECH 4	QOU110
66	3	3	GROMMET, RUBBER, 1-1/2" ID X 2-1/8"OD, X 1/2" OVERALL THICKNESS, 1-3/4" PANEL HOLE DIA. 1/8" PANEL, BUNA-N, MS 35489-48, 25/PKG	GRAINGER or EQUAL	3MRP5
67	17	17	INSULATOR, 200 SERIES, INDOOR/OUTDOOR BUS SUPPORT, 3.50" HEIGHT, 5 kV, 60 BIL, A20 BOLT PATTERN, (4) 3/8-16NC INSERT ON 2" B.C. TOP AND BOTTOM (022), BISPHENOL-A (GREY)(E01)	H-J INTERNATIONAL INC	EPC02-000-022-E01
68	17	17	BUS CLAMP, ASSEMBLY, INCLUDES TOP AND BOTTOM CLAMP, (2) 1/2-13 X 3-5/8 FIBERGLASS STUDS & (2) 1/2-13 FIBERGLASS NUTS	SPS	20022747
69	48	48	3/8"-16 X 1" ASTM F835 HEX DRIVE BLACK OXIDE FINISH ALLOY STEEL FLAT SOCKET CAP SCREW	FASTENAL	24286
70	64	64	SPS, SPACER,BUS, INSULATOR CLAMP SIDE, QTY. 8 PER CLAMP ONLY ON THE 4" BUS THOUGH	SPS	20000715
71	1	1	PUSHBUTTON; 22mm; 1 NO; FLUSH; GREEN - FOR REMOTE BREAKER CONTROL APPLICATION	C3 CONTROLS	22PBNO-XFGN
72	1	1	PUSHBUTTON; 22mm; 1 NO; FLUSH; RED - FOR REMOTE BREAKER CONTROL APPLICATION	C3 CONTROLS	22PBNO-XFRD
73	1	1	TWO HOLE REMOTE PUSHBUTTON ENCLOSURE; 6" X 4" X 4", 22mm HOLES - FOR CB REMOTE CONTROL APPLICATION	STAHLIN	CF2PB22
74	3	3	CPC CONNECTOR RECEPTICAL , SERIES 1, FOUR HOLE, SHELL SIZE 11, WITH MOUNTING HOLES	TYCO ELECTRONICS	206061-1
75	1	1	CPC CONNECTOR PLUG , SERIES 1, SHELL SIZE 11, FOUR HOLE	TYCO ELECTRONICS	206060-1
76	4	4	PIN, SIGNAL CONTACTS, BRIGHT TIN	TYCO ELECTRONICS	166361-2
77	12	12	SOCKET, SIGNAL CONTACT, BRIGHT TIN	TYCO ELECTRONICS	1-66360-2
78	4	4	CABLE CLAMP FOR RECEPTICAL AND PLUG	TYCO ELECTRONICS	1-206062-4
79	10				

88R	1	1	CONTROL BOX, FREE STANDING, TYPE FSD ENCLOSURE, TWO-DOOR SINGLE ACCESS, 90"H, 48"W, 20"D, 61 GRAY	SAGINAW CONTROL & ENGINEERING	SCE-904820FSD
89R	1	1	SUBPANEL, FULL, 78"H, 44"W, POWDER COATED WHITE, FOR TWO-DOOR ENCLOSURE, W/ MONTING HARDWARE	SAGINAW CONTROL & ENGINEERING	SCE-90P48F1
90	6	6	BUS BOOT, 4 WAY, TRIM TO FIT TYPE, CONSTRAIN TO 3/4" x 4" MAIN CROSS BUS, TRIM 1/2 OF QTY. 6 TO 3/4" X 4" FOR THE ABB CELLS, AND TRIM 1/2 OF QTY. 6 TO 3/8" X 6" FOR THE EATON CELL	PDM / INSULBOOT	3517
91	3	3	SURGE ARRESTER BOOT, SIZED FOR THE CAP DIAMETER ON THE STATION CLASS ARRESTERS	EGER	S-116
92	6	6	THRU-BOOT TYPE 013, FOR 3/8" OR 1/2" X 6" BUS	EGER	G-113
93	9	9	AUX BOOT, 1/4" X 4" USING A CABLE TERM BOOT FOR THIS, THESE MOUNT ON PT STABS	EGER	G-126
94	30	30	CABLE / WIRE, 8 AWG, 40KV, 133 STR, TIN-COPPER, SILICONE WIRE, WHITE, PT CONNECTION APPLICATIONS	ANIXTER	10475-8-40KV
95	18	18	LUG; COPPER; 1-HOLE; STR STD BARREL; MAX 35kV; #8 AWG WIRE; 1/2 BOLT; TIN PLATED; INSPECTION HOLE; RED 21	THOMAS & BETTS	T-B 256-30695-424
96	3	3	LUG; COPPER; 1-HOLE; STR STD BARREL; MAX 35kV; #8 AWG WIRE; 3/8 BOLT; TIN PLATED; INSPECTION HOLE; RED 21	THOMAS & BETTS	54132
97	5	5	CABLE, 2/0 AWG, RED, 259 STR, (2-1C 259 STR BC JUMPER EP 15kV 90C RED) PER LINEAR FEET	ANIXTER or EQUAL	5R-2021
98	3	3	LUG; COPPER; 1-HOLE; STR STD BARREL; MAX 35kV; 2/0 AWG WIRE; 3/8 BOLT; TIN PLATED; INSPECTION HOLE; ORANGE 50	THOMAS & BETTS	54111
99	3	3	LUG; COPPER; 1-HOLE; STR STD BARREL; MAX 35kV; 2/0 AWG WIRE; 5/8 BOLT; TIN PLATED; INSPECTION HOLE; ORANGE 50	THOMAS & BETTS	5416510
100	6	6	GROMMET, RUBBER, 11/16" ID X 1-5/16"OD, X 7/16" OVERALL THICKNESS, 1" PANEL HOLE DIA. 1/4" PANEL, BUNA-N, MS 35489-106, 25/PKG	GRAINGER or EQUAL	3MRN1
101	3	3	DOOR STAY ASSEMBLY, WIND STOP, ZINC (542104)	AUSTIN or EQUAL	R221-9001 ZN
102	2	2	LABEL, WARNING "THREE IN ONE", (# 03) (SEE DRAWING FOR LOCATION)	ADVANTAGE SIGNS or EQUAL	30000142
103	11	11	LABEL, DANGER "ARC FLASH", (# 19) (SEE DRAWING FOR LOCATION)	ADVANTAGE SIGNS or EQUAL	30000143
104	2	2	LABEL, "TERMINATION", (# 38) (SEE DRAWING FOR LOCATION)	ADVANTAGE SIGNS or EQUAL	30000195
105	1	1	LABEL, "SWITCHGEAR POWER SYSTEMS", LARGE (SEE DRAWING FOR LOCATION)	ADVANTAGE SIGNS or EQUAL	30000154
106	5	5	LABEL, "A" PHASE SMALL, LOCATED ON PHASE BUS	ADVANTAGE SIGNS or EQUAL	30000185
107	5	5	LABEL, "B" PH		





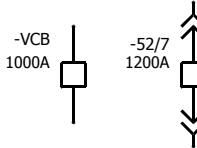




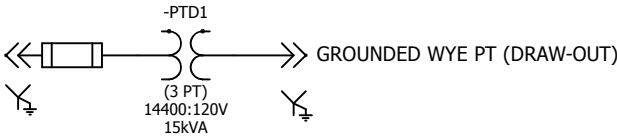
SEL RELAY OR TRIP DEVICE



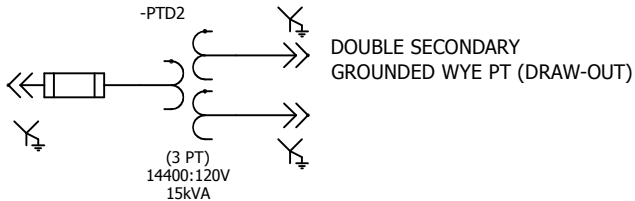
SF6 INSULATED SWITCH



CIRCUIT BRAKER FIXED/DRAW-OUT



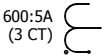
GROUNDY WYE PT (DRAW-OUT)



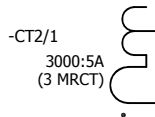
DOUBLE SECONDARY
GROUNDY WYE PT (DRAW-OUT)



CONNECTION INCOMING/OUTGOING
INDICATES GENERAL FLOW OF POWER



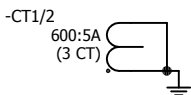
CURRENT TRANSFORMER



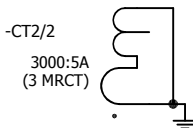
MULTI-RATIO CURRENT TRANSFORMER



ON SCHEMATICS TB - TERMINAL BLOCK



SPARE CURRENT TRANSFORMER



SPARE MULTI-RATIO
CURRENT TRANSFORMER



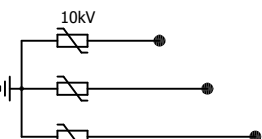
ON SCHEMATICS STB - SHORTING TERMINAL BLOCK



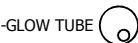
NEUTRAL CURRENT TRANSFORMER



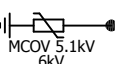
CONTROL RELAY COIL



3L - SURGE ARRESTOR

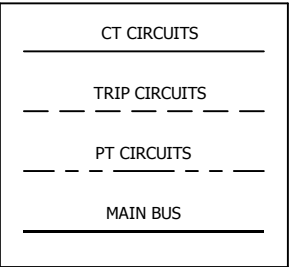


NEON GLOW TUBE
VOLTAGE INDICATOR

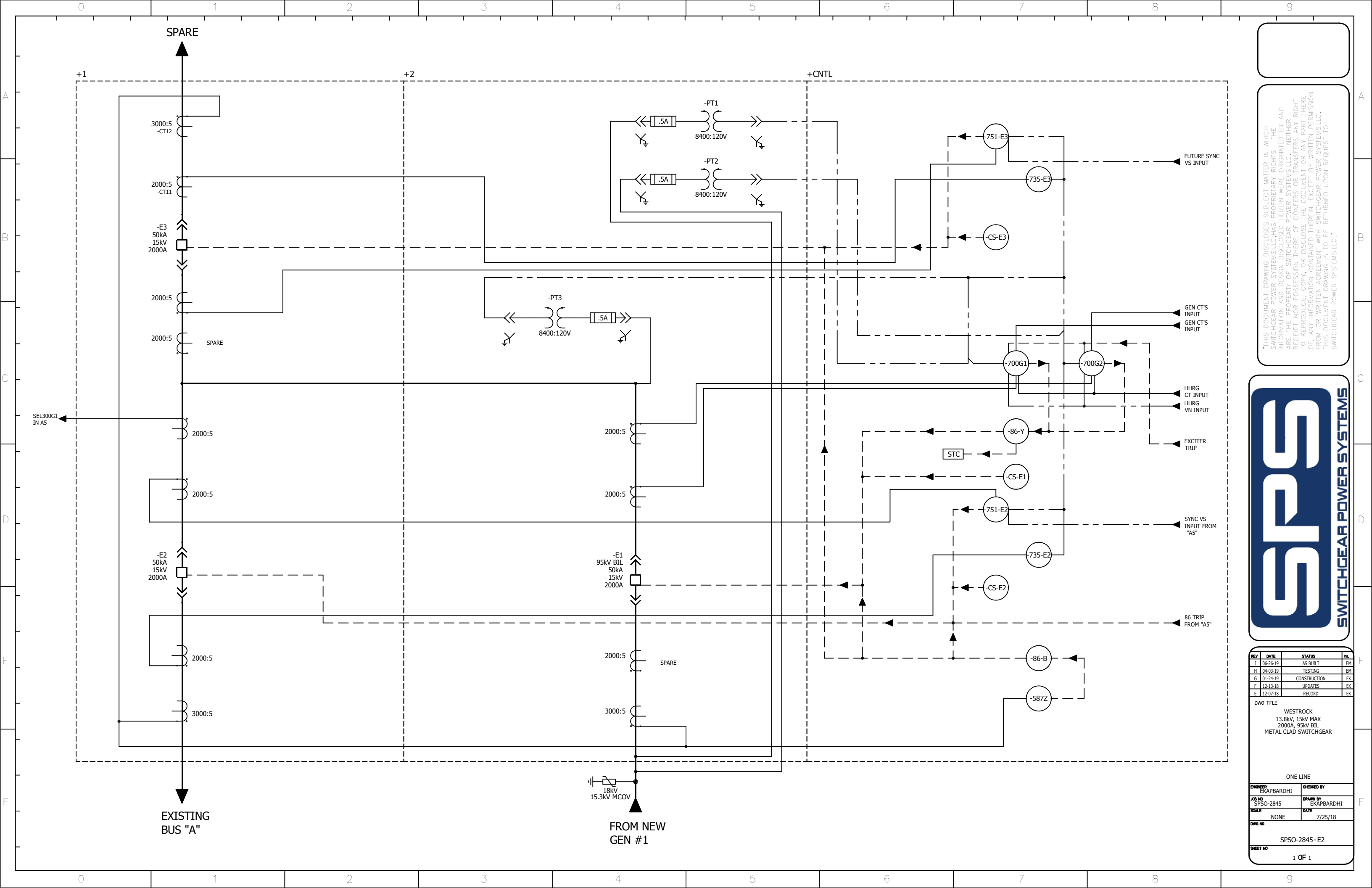


SURGE ARRESTOR

LINE LEGENDS



WIRE TAG DESCRIPTIONS



"THIS DOCUMENT DRAWING DISCLOSES SUBJECT MATTER IN WHICH SWITCHGEAR POWER SYSTEMS,LLC HAS PROPRIETARY RIGHTS. THE INFORMATION AND DESIGN DISCLOSED HEREIN WERE ORIGINATED BY AND ARE THE PROPERTY OF SWITCHGEAR POWER SYSTEMS,LLC. NEITHER RECEIPT NOR POSSESSION THERE OF CONFERS OR TRANSFERS ANY RIGHT TO REPRODUCE, COPY, OR DISCLOSE THE DOCUMENT OR ANY PART THERE OF. ANY INFORMATION CONTAINED THEREIN, EXCEPT BY WRITTEN PERMISSION FROM OR WRITTEN AGREEMENT WITH SWITCHGEAR POWER SYSTEMS,LLC. THIS DOCUMENT DRAWING IS TO BE RETURNED UPON REQUEST TO SWITCHGEAR POWER SYSTEMS,LLC."

REV	DATE	STATUS	INL
J	06-26-19	AS BUILT	EM
H	04-03-19	TESTING	EM
G	01-24-19	CONSTRUCTION	EK
F	12-13-18	UPDATES	EK
E	12-07-18	RECORD	EK

DWG TITLE

WESTROCK
13.8kV, 15kV MAX
2000A, 95kV BIL
METAL CLAD SWITCHGEAR

ONE LINE

ENGINEER	CHECKED BY
EKAPBARDHI	

