

NOTE: ALL CONDUIT ROUTED IN OR UNDER THE CABINET SHALL BE MINIMUM OF 1-1/2" SCHEDULE 80 PVC WITH BUSHINGS ON EACH END AND SHALL TRANSITION TO MINIMUM 1-1/2" RIGID GALVANIZED STEEL CONDUIT IF EXPOSED OUTSIDE THE CABINET. A MAXIMUM OF TWO 90 DEGREE BENDS IN THE CONDUIT IS PERMITTED.

Level Components	Description	UM	Quantity
Parent: C1585	15KV ME CUSTOM (3 BAYS)		
1***** C1585-M	MECHANICAL BODY FOR C1585	EA	1,000
1***** 0037-4-63152	SWH ASSY, AUTOJET-II 600A MUEA	EA	2,000
1***** 8M15_LD_1559	15KV 800A TAYRIDA VCB	EA	1,000
1***** 8M16_DC_15M15	TAYRIDA PIVCUB, 15, 1800	EA	1,000
1***** 81058107	INTERLOCK, TYPE B-403-1	EA	2,000
1***** 81058137	INTERLOCK, TYPE B-503-1	EA	2,000
1***** DC1	DUST COVER, INTERLOCK	EA	4,000
1***** LA10HDPYLDIST	LIGHTNING ARRESTER, 10KV, POLYEA	EA	3,000
1***** 2002-2102	BALL STUD, 1/2-13 X 1" LING-05EA	EA	12,000
1***** 0086-1-02877-C	GROUND BAR FUSE COMP, COPPER EA	EA	3,000
1***** 41062004	TRMNL, TAP LUG, 0.125-0.419 DAEA	EA	2,000
1***** 85-2PL	DUAL PADLOCK, ADAPTER SQUARE EA	EA	1,000
1***** MTFPGS-1-SD	PT, 7620-120-635-1 IE FUSE EA	EA	5,000
1***** 1KJ45	CTWH5-A-110-150-301	EA	3,000
1***** RL-Y-00-113	RELAY SEL 751MNR3	EA	1,000
1***** RL-Y-00-030	RELAY, POW 725, KEY 226	EA	1,000
1***** 95262122	INSULATOR, VOLTAGE SENSING, 15KVEA	EA	3,000
1***** 129A14001	SWTCH, FT-1 FLEXTST	EA	1,000
1***** FT4A1406CN046	TEST SWITCH, FT-4.5TILE	EA	1,000
1***** 26380	CIRCUIT BREAKER CONTROL SWITCH EA	EA	1,000
1***** LIT-00-002	MULTI-VOLTAGE PILOT LIGHT 30MMEA	EA	1,000
1***** LIT-00-003	MULTI-VOLTAGE PILOT LIGHT 30MMEA	EA	1,000
1***** 26502	SWTCH, SERIES 26, 3-SECTION EA	EA	1,000
1***** 28240A	POWER SUPPLY UPS, 120VAC IN EA	EA	1,000
1***** 20-0330	BATTERY HOLDER (PH)	EA	2,000
1***** PS1270	BATTERY POWERSONC 7AH	EA	4,000
1***** CIRJTEMPRES3	BATTERY TEMP PROBE W/ METER EA	EA	1,000
1***** FAZ-616-1-NA-SP	FUSEHOLDER, ULTRASAFAE, 3 POLE EA	EA	1,000
1***** LSM3	FUSEHOLDER, ULTRASAFAE, 1 POLE EA	EA	5,000
1***** ATM15	FUSE, FAST ACTING, 15A 600V EA	EA	2,000
1***** ATM10	FUSE, FAST ACTING, 10A 600V EA	EA	3,000
1***** ATM2	FUSE, FAST ACTING, 02A 600V EA	EA	3,000
1***** 278-3	HEATER, SPACE, UL 250W, 125V EA	EA	3,000
1***** KT110	THERMOSTAT, SPST, NEG 10-100F EA	EA	1,000
1***** PACT1A150	MALE ADAPTER 1 1/2" PVC	EA	1,000
1***** 145	LOCKNUT, 1-1/2"	EA	1,000
1***** BU505	BUSHING FEMALE	EA	1,000
1***** DBL-00-009	CABLE #2 SHIELDED, CU, 75TRND FT	EA	20,000
1***** 54107-TB	LUG, STNDRD BARREL, 2AWG, 1/4" EA	EA	1,000
1***** 54145-TB	LUG, STNDRD BARREL, 2AWG, 1/2" EA	EA	1,000
1***** 40-3895-190	27KV STRESS RELIEF	EA	2,000
1***** ETL LABEL 1	LABEL, IND CTRL PANEL 4008016 EA	EA	1,000
1***** B16-2706	NAMEPLATE, F-25 6.00" X 8.00" EA	EA	1,000
1***** B16-2705	NAMEPLATE, F-33 4.00" X 1.50" EA	EA	2,000
1***** B16-5305	NAMEPLATE, F-22 6.00" X 4.00" EA	EA	1,000
1***** B16-5300-1	NAMEPLATE, F-15 4.00" X 1.50" EA	EA	2,000
1***** BL102	LABEL, DANGER HIGH VOLTAGE EA	EA	7,000
1***** BLCH02-1	LABEL, DANGER HAZARDOUS	EA	5,000
1***** BLC102-2	LABEL, SWITCH	EA	2,000

INTERLOCK LEGEND

○ - INTERLOCK W/ KEY HELD
 ○ - INTERLOCK W/ KEY REMOVED
 LC - LOCKS DEVICE CLOSED W/ KEY REMOVED
 LO - LOCKS DEVICE OPEN W/ KEY REMOVED

KEY INTERLOCK SCHEME:
 THE SWITCH MUST BE LOCKED IN THE OPEN POSITION BEFORE THE ACCESS DOOR MAY BE OPENED. THE ACCESS DOOR MUST BE LOCKED CLOSED BEFORE THE SWITCH MAY BE CLOSED.

INITIAL CONDITIONS:
 THE SWITCH IS CLOSED, KEY IS HELD AT SWITCH LO INTERLOCK. ACCESS DOOR IS LOCKED CLOSED.

SEQUENCE OF OPERATION:
 OPEN SWITCH, KEY IS RELEASED AT SWITCH LO INTERLOCK. THE SWITCH IS LOCKED IN THE OPEN POSITION WHEN LO INTERLOCK IS OPERATED AND KEY IS REMOVED. KEY TO DOOR LC INTERLOCK, OPEN DOOR, KEY IS HELD AT DOOR LC INTERLOCK.

REVERSE SEQUENCE OF OPERATION TO RETURN TO INITIAL CONDITIONS.

CIRCUIT BREAKER	15KV
RATED VOLTAGE	15KV
BASIC IMPULSE LEVEL	95 KV
CONTINUOUS CURRENT	800A
INTERRUPTING CURRENT RMS SYM	20 KA

AUTO JET SWITCH RATINGS	
NOMINAL VOLTAGE	14.4 KV
MAXIMUM DESIGN VOLTAGE	17 KV
BASIC IMPULSE LEVEL	95 KV
CONTINUOUS CURRENT	600 A
LOADBREAK CURRENT	600 A
MOMENTARY CURRENT RMS ASYM	40 KA
FAULT CLOSE CURRENT RMS ASYM	40 KA

INSTALL IN AREAS ACCESSIBLE TO QUALIFIED PERSONNEL ONLY

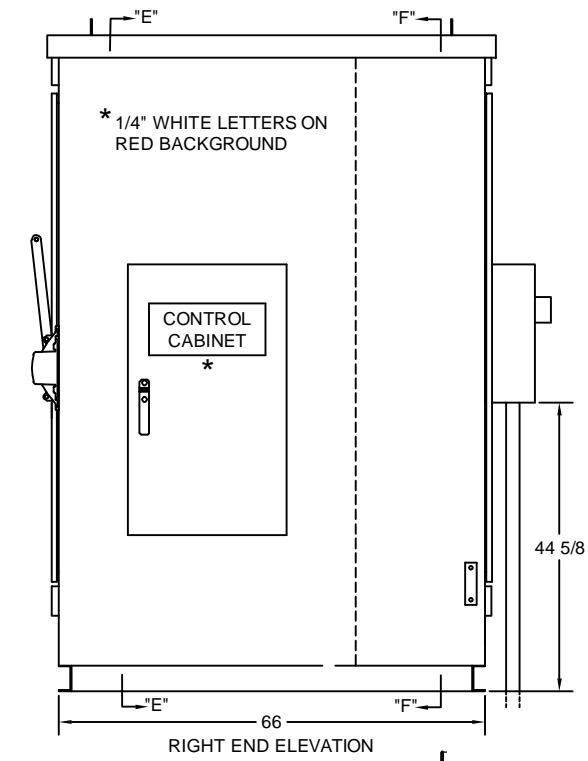
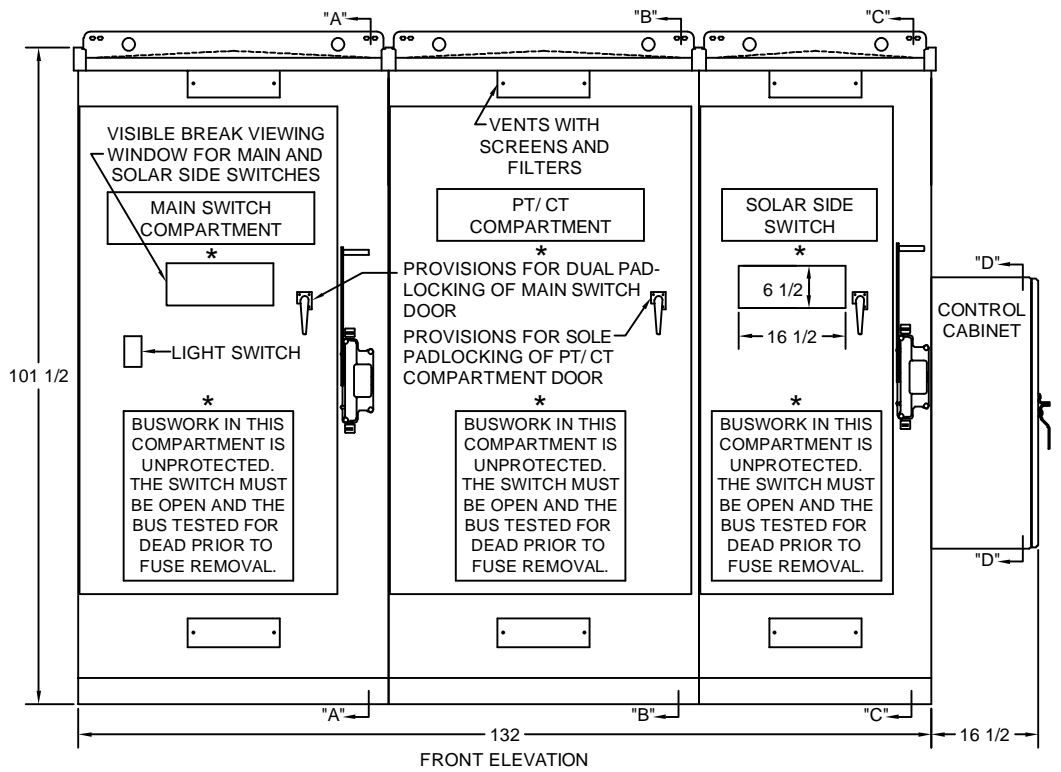
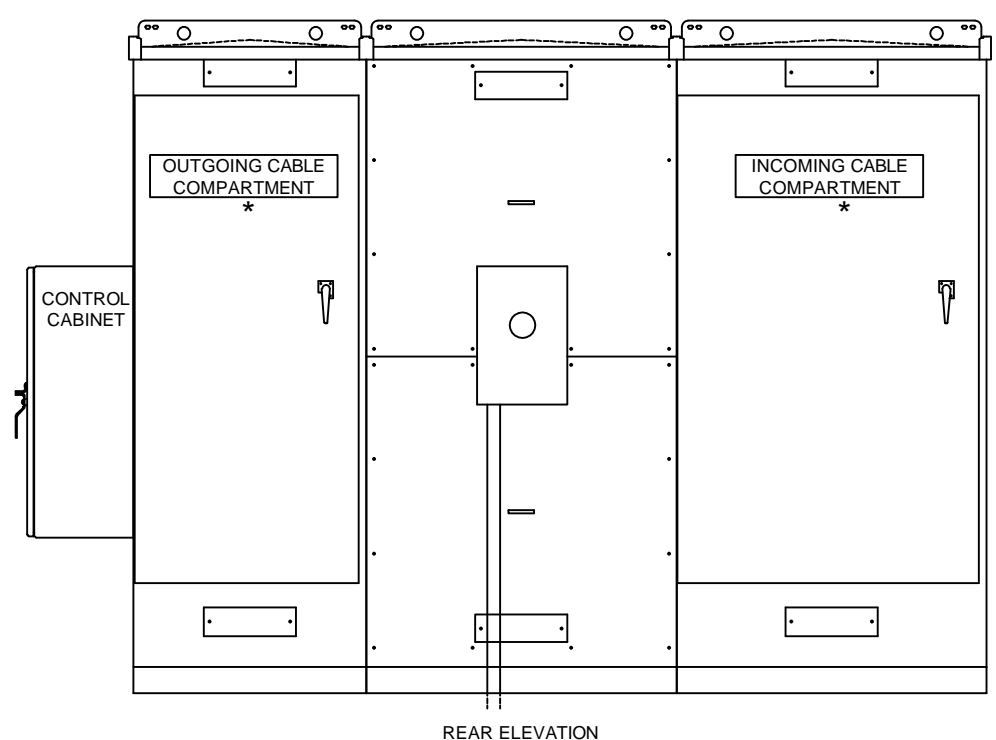
FEDERAL PACIFIC
Power To Deliver
 BRISTOL, VA

METAL ENCLOSED EQUIPMENT

ENCLOSURE TYPE: OUTDOOR
 CATEGORY TYPE: B
 SERIAL NO: C1615
 MFG. DATE:

SUITABLE FOR USE ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN 20000 RMS SYM. AMPS

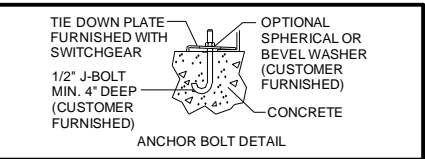
MAIN BUS CURRENT: 600 AMPS
 RATED MAXIMUM VOLTAGE: 15 KV
 RATED FREQUENCY: 60 Hz
 RATED INSULATION LEVEL: 95 KV
 RATED CONTINUOUS CURRENT: 600 AMPS
 RATED LOAD CURRENT INTER: 600 AMPS
 RATED SHORT TIME: 20 KA RMS SYM
 RATED MOMENTARY: 32 KA RMS SYM
 FAULT CLOSING: 32 KA RMS ASYM
 DIELECTRIC STRENGTH: 36 KV
 SHORT TIME CURRENT: 20 KA RMS SYM
 EXCITATION CURRENT: N/A
 MVA 3Ø SYM: 520
 SWITCH SHALL BE MOUNTED ON A NONCOMBUSTIBLE SURFACE.



ENCLOSURE RATING	<input type="checkbox"/> INDOOR <input checked="" type="checkbox"/> OUTDOOR	DOOR MECHANISM	<input checked="" type="checkbox"/> PADLOCKABLE 3-POINT
UL LISTED	<input type="checkbox"/>	INTERLOCKING	<input checked="" type="checkbox"/> MECHANICAL <input checked="" type="checkbox"/> KEY
ENCLOSURE CATEGORY	<input type="checkbox"/> A <input checked="" type="checkbox"/> B <input type="checkbox"/> C	MAIN BUS MATERIAL	<input type="checkbox"/> TIN PLATED ALUMINUM <input checked="" type="checkbox"/> SILVER PLATED COPPER
ENCLOSURE MATERIAL	<input checked="" type="checkbox"/> 11 GA HR P&O STEEL	GROUND BUS MATERIAL	<input type="checkbox"/> TIN PLATED ALUMINUM <input checked="" type="checkbox"/> SILVER PLATED COPPER
ENCLOSURE FINISH	<input checked="" type="checkbox"/> ANSI 61 LIGHT GRAY	APPROXIMATE WEIGHT:	5200 POUNDS

GENERAL NOTES:

- SWITCH IS INTERLOCKED SUCH THAT THE SWITCH MUST BE IN THE OPEN POSITION BEFORE ALLOWING ACCESS TO THE COMPARTMENT.
- WARNING AND INFORMATION LABELS ARE APPLIED TO REMOVABLE COVERS AND INTERNAL AND EXTERNAL DOORS.



Drawing is for reference only.

FEDERAL PACIFIC
Power To Deliver
 BRISTOL, VIRGINIA

15KV METAL ENCLOSED SWITCHGEAR

DATE: 3-8-23
 SCALE: NTS
 DRAWN BY: SLF
 CHECKED BY: LEB

FILE NAME: 1615-900-1
 DWG NO: D48-1615-900