

Item	Qty	Description	Manufacturer	Type or Cat No.	Job Num
ME	0	MAJOR EQUIPMENT			011391-1-1
1	13	Southern States EV-2, 245 kV maximum rated voltage, 3000 Ampere continuous current rating, 63 kA short-time, 164 kA peak withstand, 100 kA momentary, 900 kV BIL, aluminum live parts, group operated vertical break disconnect switch. Complete with manual worm gear operator (HOGO), open/closed indicator, ground shunt, and standard arcing horn. Live parts are shipped assembled on bases TR-308 porcelain insulators, shipped with switch separately.	Southern States, LLC	EV-2 245KV 3000A	011391-1-1
2	9	230KV CCVT, 900KV BIL, 1200/2000:1:1, 0.3% W, X, Y, Z AND ZZ BURDEN, 138KV PRIMARY (MINIMUM LEAKAGE DISTANCE OF 245")	GE	OTCF245 / JY212452399.2002	011391-1-1
3	3	SSVT-900 Outdoor Oil-Filled Station Service Voltage Transformer, Nominal System Voltage=230kV, BIL=900kV, Operating Frequency=60Hz, Ratio=Power Winding Only, Accuracy=N/A, Thermal Rating=50kVA, Primary Voltage=132800V, Secondary Voltage=120/240V, Bushings=1, Bushing Creep/Strike=306"/75.8" min, Rated Altitude=3300Ft, Bushing Material=Porcelain	Hitachi Energy USA Inc. (HV Equipment)	N91110P050D	011391-1-1
4	9	230KV SURGE ARRESTER, 180KV DUTY CYCLE, 144KV MCOV	Cooper Power Systems	USAA180144A8645 A11	011391-1-1
5	25	STATION POST INSULATOR, 230KV, 900KV BIL, GRAY, EXTRA HIGH STRENGTH	Victor Insulators, Inc.	16PA88	011391-1-1
6	15	STATION POST INSULATOR, 230KV, 900KV BIL, GREY, PORCELAIN, TR308, HIGH STRENGTH -FOR SWITCHES	Victor Insulators, Inc.	1728	011391-1-1
42	3	245KV CT/PT COMBO UNIT PT • Accuracy/Burden: 0.15ZZ • Voltage Ratio: 1200:1 CT • Accuracy/Burden: 0.15B1.8 • Ratio: 600:5 • Number of cores or secondary windings: 1 • Rating Factor or maximum continuous current: 2.0 • Thermal current: 63kA or greater	GE Grid Solutions (Alstom), LLC		011391-1-1
SS	0	STEEL STRUCTURES			011391-1-1
S1	1	230KV DEAD-END A-FRAME, TWO BAY -PROVISIONS FOR SURGE ARRESTERS -PROVISIONS FOR GROUP OPERATED SWITCH (HORIZONTAL MOUNT) -	Steel Fabricator	WT = 57,516.30 LBS EA	011391-1-1
S2	1	230KV DEAD-END A-FRAME, SINGLE BAY -PROVISIONS FOR SUREGE ARRESTERS -PROVISIONS FOR GROUP OPERATED SWITCH (HORIZONTAL MOUNT)	Steel Fabricator	WT = 33,220LBS EA	011391-1-1
S3	6	STATIC MAST, 85FT -70FT ABOVE GRADE -15FT EMBED DEPTH	Steel Fabricator	APPX WT = 3169 LBS EA	011391-1-1



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Jacksonville Electric Authority

JACKSONVILLE,FL

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S4	6	230KV HIGH SWITCH STAND	V&S Whitlow	APPX WT = 5530 LBS EA	011391-1-1
S5	6	230KV LOW SWITCH STAND -ONE STAND TO BE USED AS BUS SUPPORT UNTIL FUTURE SWITCH IS INSTALLED	V&S Whitlow	APPX WT = 3702 LBS EA	011391-1-1
S6	6	230KV 3Ø LOW DIAGONAL BUS SUPPORT	V&S Whitlow	APPX WT = 3253 LBS EA	011391-1-1
S7	2	230KV 3Ø LOW BUS SUPPORT	V&S Whitlow	APPX WT = 2040 LBS EA	011391-1-1
S8	9	230KV 3Ø HIGH BUS SUPPORT	V&S Whitlow	APPX WT = 2910 LBS EA	011391-1-1
S9	7	230KV 1Ø LOW BUS SUPPORT	V&S Whitlow	APPX WT = 1137 LBS EA	011391-1-1
S10	9	230KV CCVT SUPPORT STAND	V&S Whitlow	APPX WT = 380 LBS EA	011391-1-1
S11	2	230KV SSVT SUPPORT STAND	V&S Whitlow	APPX WT = 951 LBS EA	011391-1-1
S12	6	INSULATOR ADAPTER -FOR SWITCH STANDS BEING USED AS BUS SUPPORTS	V&S Whitlow	APPX WT = 272 LBS EA	011391-1-1
S13	13	OPERATOR GROUND PLATFORM 3'X4' 1"X1/8" GALVANZED SMOOTH SURFACE BAR GRATING GRATED SURFACE MOUNT ONLY, NOT TO BE ELEVATED	DIS-TRAN		011391-1-1
S14	3	230KV PT/CT COMBO STAND	V&S Whitlow	APPX WT = 433 LBS EA	011391-1-1
BC	0	BUS & CONDUCTOR			011391-1-1
7	680	4" SCH 80 AL. BUS PIPE, 6063-T6, 40FT LENGTH **EHV PACKAGING FOR BUS**	Three D Metals	BUS PIPE (THREE D)	011391-1-1
7	1680	4" SCH 80 AL. BUS PIPE, 6063-T6, 40FT LENGTH **EHV PACKAGING FOR BUS**	Three D Metals		011391-1-1
8	520	3" SCH 80 AL BUS PIPE, 6063-T6, 40FT LENGTH **EHV PACKAGING FOR BUS**	Three D Metals	BUS PIPE (THREE D)	011391-1-1
C151	2500	795 ACSR "DRAKE" 26/7 -BUS DAMPENING	Mid State Supply Co., LLC	ACSR-SOUTHWIRE	011391-1-1
C060	260	795 MCM AAC, 37 STRAND, CODE NAME "ARBUTUS"	Mid State Supply Co., LLC	AAC-SOUTHWIRE (1)	011391-1-1
C080	2500	2500 MCM AAC, 91 STRAND, CODE NAME "LUPINE"	Mid State Supply Co., LLC	AAC-SOUTHWIRE (1)	011391-1-1
BF	0	BUS FITTINGS			011391-1-1

14	18	WELDED VEE, 4" SCH 80 MAIN TO (2) 3" SCH 80 TAPS, EHV	Travis Pattern & Foundry, Inc.	18-374-15-EHV	011391-1-1
15	36	WELDED TEE, 4" SCH 80 MAIN TO 3" SCH 80 TAP, EHV	Travis Pattern & Foundry, Inc.	18-283-15-EHV	011391-1-1
16	36	WELDED TEE, 3" SCH 80 MAIN TO 3" SCH 80 TAP, EHV	Travis Pattern & Foundry, Inc.	18-266-15-EHV	011391-1-1
18	6	CABLE BUS SUPPORT, (2) 954 AAC TO 5" BOLT CIRCLE, EHV	Travis Pattern & Foundry, Inc.	19-404-2C-6-345KV (954AAC)	011391-1-1
19	12	WELDED TEE, 4" SCH 80 AL BUS TO 4" 4HP, EHV	Travis Pattern & Foundry, Inc.	18-642-WR-EHV	011391-1-1
20	19	END BELL, WELDED, 4" SCH 80 AL BUS, EHV	Travis Pattern & Foundry, Inc.	18-1295H-345KV	011391-1-1
21	27	AL. PIPE 345KV WELDED EXPANSION PIPE TO PAD SCH 80 4" EHPS TO A CENTER FORMED 4X4 4 HOLE PAD TRANSVERSE (DOUBLE FACE)	Travis Pattern & Foundry, Inc.	18-1146H-V-345KV	011391-1-1
22	20	WELDED TERMINAL, 4" SCH 80 AL. BUS TO 4" 4HP, EHV	Travis Pattern & Foundry, Inc.	18-130-CFE-EHV-W0S	011391-1-1
23	41	COUPLER, STRAIGHT, 4" SCH 80 AL. BUS TO 4" SCH 80 AL. BUS, EHV	Travis Pattern & Foundry, Inc.	18-573	011391-1-1
24	30	WELDED, EHV, GROUNDING STUD	Travis Pattern & Foundry, Inc.	18-1280-345KV (4IPS)	011391-1-1
25	325	BOLT SHIELD 4X4	Travis Pattern & Foundry, Inc.	4X4 EHV	011391-1-1
31	64	BUS SUPPORT, 4" SCH 80 AL BUS TO 5" BOLT CIRCLE, EHV	Travis Pattern & Foundry, Inc.	19-354-EHV	011391-1-1
34	9	CABLE SPACER TEE, BOLTED ALUMINUM, 600(61)-900(61) AAC OR 556.5(18/1)-795(54/7) ACSR, 4" 4 HOLE PAD, 8" SPACING	Travis Pattern & Foundry, Inc.	110-117-CSTD-8	011391-1-1
35	19	TERMINAL, (2) 2500 AAC TO 4 HOLE 4" WIDE PAD WELD- (FOR PFB)	Travis Pattern & Foundry, Inc.	18-787-SP (2500AAC)	011391-1-1
36	38	AL PAR CLAMP CABLE SPACER (2) 2000-2500AAC OR 2156-2515ACSR (6" CABLE SPACING)(345KV)	Travis Pattern & Foundry, Inc.	110-123-CS-6-SP (2500AAC)	011391-1-1
37	19	AL WELD TERM (2) 2500(127)AAC OR 2312(76/19)-2515(76/19)ACSR (2" CORE) TO A 4X4 PAD (EHV)(ONE SHIELD) (DOUBLE FACE)	Travis Pattern & Foundry, Inc.	18-787-90-EHV-SP (2500AAC)	011391-1-1
38	33	WELDED ALUMINUM TERMINAL, 2500 AAC OR 2312-2515 ACSR, 4" 4 HOLE PAD	Travis Pattern & Foundry, Inc.	18-724-EHV-SP (2500AAC)	011391-1-1
40	9	AL WELD TERM 2000(91)(127)AAC OR 1780 (84/19)ACSR (1 3/4" CORE) TO A 4X4 PAD 90 DEG (EHV)	Travis Pattern & Foundry, Inc.	18-724-90-EHV-SP (2500AAC)	011391-1-1
43	9	BUS SUPPORT BOLTED ALUMINUM, 900-3500 MCM AAC OR 795-2515 MCM ACSR,5" BOLT CIRCLE, EHV	Travis Pattern & Foundry, Inc.	19-404	011391-1-1

44	9	TEE CONNECTOR, 2500 MCM AAC TO 4", 4-HOLE PAD, BOLTED, EHV	Travis Pattern & Foundry, Inc.	12-1115-EHV-W1S	011391-1-1
45	37	ALUM WELDED TERMINAL 700(61)-800(61) OR 605(26/7)-636(30/19)ACSR TO 4 HOLE PAD, EHV	Travis Pattern & Foundry, Inc.	18-697-EHV	011391-1-1
46	9	TERMINAL WELDED ALUMINUM, 700(61)-800(61) MCM AAC OR 605(26/7)-636(30/19) MCM ACSR, 90°, 4 HOLE 4" PAD, EHV	Travis Pattern & Foundry, Inc.	18-697-90-EHV	011391-1-1
G	0	ABOVE GRADE GROUNDING MATERIAL			011391-1-1
B44	1200	7 #5 COPPER WELDED CABLE, 40% DSA	American Wire Group	7#5-AWG-COPPERCLAD	011391-1-1
26	258	GROUND CLAMP, 2 PIECE, 1 CONDUCTOR, 4/0 COPPER, TINNED, WITH GALVANIZED STEEL HARDWARE	Anderson (AEC)	GC141AG2-TP	011391-1-1
27	91	GROUND CLAMP, 2 PIECE, 2 CONDUCTOR, #4-300 COPPER, TINNER, WITH GALVANIZED STEEL HARDWARE	Anderson (AEC)	GC143AG2-TP	011391-1-1
28	20	TERMINAL, BRONZE BOLTED, 7#5 COPPERWELD TO 2-HP	Sefcor, Inc.	FNCT-12-2B	011391-1-1
5	12	INHIBITOR, ELECTRICAL JOINT, FILLER COMPOUND, 8 OZ TUBE, AA OXIDATION ***** MIN ORDER QTY: 12 *****	Anderson (AEC)	VS8HTJC	011391-1-1
3	0	ANCHOR BOLTS, CAGES & TEMPLATES FOR STEEL STRUCTURES			011391-1-1
CAB1	6	(8) 2-1/4" X 8' A615 GR 75 AB W/ (4) FW, (4) A194-2H HN, TP1 & TP2			011391-1-1
CAB2	4	(4) 2-1/4" X 10' A615 GR 75 AB W/ (4) FW, (4) A194-2H HN, TP3 & TP4			011391-1-1
AB5	124	1-1/2" X 4' F1554 GR 55AB W/ (2) FW & (2) HN			011391-1-1
AB6	144	1-1/4" X 3' F1554 GR 55 AB W/ (2) FW & (2) HN			011391-1-1
AB7	36	1" X 2'-6" F1554 GR 55 AB W/ (2) FW & (2) HN			011391-1-1
TP5	31	22X22 TEMPLATE FOR 1-1/2" AB			011391-1-1
TP6	36	19X19 TEMPLATE FOR 1-1/4" AB			011391-1-1
TP7	9	16X16 TEMPLATE FOR 1" AB			011391-1-1
	0	TERMINAL, EQUIPMENT, AND STRUCTURAL BOLTS			011391-1-1

AFBN	52	5/8" X 11-3/4" A193 ALL THREAD ROD			011391-1-1
BF3A	60	5/8" X 3" A325 TYPE 1 HB			011391-1-1
BF2N	124	5/8" X 2-3/4" A325 TYPE 1 HB	Threaded Fasteners, Inc.		011391-1-1
BF2E	12	5/8" X 2-1/4" A325 TYPE 1 HB			011391-1-1
BF2J	188	5/8" X 2-1/2" A325 TYPE 1 HB	Threaded Fasteners, Inc.		011391-1-1
BF2A	268	5/8" X 2" A325 TYPE 1 HB	Threaded Fasteners, Inc.		011391-1-1
BFLN	772	5/8" M.F. LOCKNUT			011391-1-1
BFHN	780	5/8" A563 GR DH HN	Threaded Fasteners, Inc.		011391-1-1
EFBW	100	5/8" BEVELED WASHER			011391-1-1
BFBW	28	5/8" F436 TYPE 1 BEVELED WASHER			011391-1-1
BFFW	790	5/8" F436 TYPE 1 FW	Threaded Fasteners, Inc.		011391-1-1
AQ48A	12	2-1/4" X 48" A193 GR B7 ALL-THREAD			011391-1-1
AQHN	36	2-1/4" A194 GR 2H HEX NUT	Threaded Fasteners, Inc.		011391-1-1
EQLW	20	2-1/4" LOCK WASHER			011391-1-1
BQFW	36	2-1/4" F436 TYPE 1 FW			011391-1-1
ALBA	12	1-1/4" X 11" A193 GR B7 ALL-THREAD			011391-1-1
ALHN	28	1-1/4" A194 2H HEAVY HEX NUT HDG			011391-1-1
ELLW	20	1-1/4" LOCK WASHER			011391-1-1
XNJA	14	1-1/2" X 2-1/4 TRD 18 F1554-105 D.E. STUD			011391-1-1
ANHN	24	1-1/2" A194 2H HEAVY HEX NUT HDG	Mid State Supply Co., LLC		011391-1-1

BNFW	24	1-1/2" F436 TYPE 1 FW			011391-1-1
ENLW	24	1-1/2" LOCK WASHER	Threaded Fasteners, Inc.		011391-1-1
EF2E	28	5/8" X 2-1/4" A307 GR A HB			011391-1-1
EF2J	244	5/8" X 2-1/2" A307 GR A HB			011391-1-1
EF2A	52	5/8" X 2" A307 GR A HB			011391-1-1
EF1E	64	5/8" X 1-1/4" A307 GR A HB			011391-1-1
EFBW	290	5/8" BEVELED WASHER			011391-1-1
EFFW	196	5/8" F844 FW			011391-1-1
EG2J	40	3/4" X 2-1/2" A307 GR A HB			011391-1-1
EG2A	16	3/4" X 2" A307 GR A HB			011391-1-1
EG1E	260	3/4" X 1-1/4" A307 GR A HB			011391-1-1
EGHN	52	3/4" A563 GR A HN			011391-1-1
EGFW	360	3/4" F844 FW			011391-1-1
EJ4A	20	1" X 4" A307 GR A HB			011391-1-1
EJHN	20	1" A563 GR A HN			011391-1-1
EJFW	36	1" F844 USS FW			011391-1-1
EE2J	31	1/2" X 2-1/2" A307 GR A HB			011391-1-1
EEHN	31	1/2" A563 GR A HN	Threaded Fasteners, Inc.		011391-1-1
EEFW	58	1/2" F844 FW	Mid State Supply Co., LLC		011391-1-1
C2	13	1/2" DIA. X 1-3/4" SST TERMINAL BAGGED BOLTS (2B_1F_1BW_1BHN)	Threaded Fasteners, Inc.	C2	011391-1-1



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D2	5	1/2" DIA. X 2" SST TERMINAL BAGGED BOLTS (2B_1F_1BW_1BHN)	Threaded Fasteners, Inc.	D2	011391-1-1
G4	38	1/2" DIA. X 2-3/4" SST TERMINAL BAGGED BOLTS (4B_1F_1BW_1BHN)	Threaded Fasteners, Inc.	G4	011391-1-1
H4	70	1/2" DIA. X 3" SST TERMINAL BAGGED BOLTS (4B_1F_1BW_1BHN)	Threaded Fasteners, Inc.	H4	011391-1-1
I4	21	1/2" DIA. X 3-1/4" SST TERMINAL BAGGED BOLTS (4B_1F_1BW_1BHN)	Threaded Fasteners, Inc.	I4	011391-1-1
J4	29	1/2" DIA. X 3-1/2" SST TERMINAL BAGGED BOLT (4B_1F_1BW_1BHN)	Threaded Fasteners, Inc.	J4	011391-1-1