

				BILL OF MATERIAL
SUBSTATION ENTERPRISES				
145 Commercial Court			JEA	
P.O. Box 2010			STARRATT RD SUBSTATION	
Alabaster, AL 35007				
Ph. 205-685-2755				
Fax. 205-685-2753			PROJECT NO:	CJ-6787
ITEM	QTY	MFG	CAT. NO.	DESCRIPTION
1	31701	MID		STEEL STRUCTURES, HOT-DIPPED GALVANIZED AFTER FABRICATION AND ASSEMBLED WITHIN LIMITATIONS OF TRUCKING
2	160	UI		ANCHOR BOLT: 1-1/4" x 3'-9" WITH 4HHN,2FW
2A	20	UI		ANCHOR BOLT: 1" x 12" GMB WITH 2HHN,2FW
6	1	VAL		STATIC POLE, 85' POLE WITH 10' SPIKE, 15' EMBEDMENT
8	1	P&R		SWITCH OPERATOR GROUND PLATFORM, 4X6
8A	2	SEF	GTC2-14-SND	GROUND CONN
11	1	CLEAV-PRICE	V2-CA	SWITCH: 35 KV 2000 AMP GROUP OPERATED VERTICAL BREAK, ALUMINUM LIVE PARTS, COMPLETE WITH LOAD BREAK INTERRUPTERS, WORM GEAR OPERATED, AND WITH TR-210 INSULATORS
12	39	CLEAV-PRICE	C108A030-G22	SWITCH: 35 KV 1200 AMP HOOKSTICK DISCONNECT, VEE STYLE, WTH TINNED TERM PADS, AND TR-210 INSULATORS
12	156	SEIB	GMB17558	BOLTS: 5/8" X 1-3/4" A325 GMB W/HN,LW
20	7	S&C	192323-SP-Z3Z5	FUSED DISCONNECT, 26 KV SMD-40, WITH 35 KV TR-210 INSULATORS
20	28	SEIB	GMB17558	BOLTS: 5/8" X 1-3/4" A325 GMB W/HN,LW
20A	3	S&C	823001	FUSE UNIT, SMU-40, 1E (FOR PT'S)
20B	2	S&C	823005	FUSE UNIT, SMU-40, 5E (FOR 25 KVA SS XFMR)
20C	2	S&C	823010	FUSE UNIT, SMU-40, 10E (FOR 75 KVA SS XFMR)

21	3	S&C	192004R2	FUSED DISCONNECT, 35 KV SMD-1A, RIGHT ANGLE STYLE WITH 35 KV TR-210 INSULATORS
21	12	SEIB	GMB17558	BOLTS: 5/8" X 1-3/4" A325 GMB W/HN,LW
21	3	S&C	444125R1	FUSE UNIT, SMD-1A, 125E (FOR CAP BANK)
31	75	NGK	PS02010	INSULATORS: 35 KV STATION POST TR-210
31	300	SEIB	GCS100	BOLTS: 1/2" X 1" GCS W/LW,FW
40	9	ABB	Q021SA017B	LIGHTNING ARRESTER, 17 KV MCOV STATION POLYMER
40	27	SEIB	GMB275	BOLTS: 1/2" X 2-3/4" A325 GMB W/HN,LW
50	3	ABB	E-923A680G03	POTENTIAL TRANSFORMER, 25 KV, 14,400 TO 120 VOLT, 120:1 RATIO, .3 W,X,Y,Z,ZZ
50	12	SEIB	GMB15038	BOLTS: 3/8" X 1-1/2" GMB W/HN,LW,FW
51	2	BY	JEA	STATION SERVICE TRANSFORMER, (25 KVA & 75 KVA)
51	8	SEIB	GMB15058	BOLTS: 5/8" X 1-1/2" A325 GMB W/HN,LW
52	7	ABB	923A176G05	CURRENT TRANSFORMER, 35 KV, 600/1200 AMPS
52	28	SEIB	GMB15038	BOLTS: 3/8" X 1-1/2" GMB W/HN,LW,FW
60	1200	AFL BUS	200S40YT6B	BUS: 2" IPS SCH 40 AL 6063-T6 (30 PCS @ 40')
61	1350	CHAMP		CABLE: 636 AAC
62	100	CHAMP		CABLE: 954 AAC
63	400	CHAMP		CABLE: 4/0 AAC
64	1150	CHAMP		CABLE: 397 ACSR (DAMPENING)
66	850	CW		CABLE: 7#5 COPPERWELD
68	100	CUWIRE		CABLE: 500 COPPER
70B	3	SMI	STCF-1126-C	TEE CONN COMP 954 AAC TO 4-HOLE PAD
70B	12	SEIB	SSB275	BOLTS: 1/2" X 2-3/4" SSB W/2BW,2FW
70B	12	SEIB		HARDWARE: 1/2" SILICON BRONZE HN

70C	36	SEF	WFTT-5858	TEE CONN WELDED 2" AL TO 2" AL TAP
70D	9	SEF	WTF-3960-4A	TEE CONN WELDED 2" AL TO 4-HOLE PAD
70E	3	SEF	ASPC-24-4-4A	TEE/SPACER FOR (2) 636 AAC TO 4-HOLE PAD, 4" SPACING
70E	12	SEIB	SSB200	BOLTS: 1/2" X 2" SSB W/2BW,2FW
70E	12	SEIB		HARDWARE: 1/2" SILICON BRONZE HN
70G	9	SEF	TFC-20-4A	TEE CONN BOLTED 500 CU TO 4-HOLE PAD
70G	36	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/2BW,2FW
70G	36	SEIB		HARDWARE: 1/2" SILICON BRONZE HN
71A	18	SEF	WLBI90-5858	COUPLER 90 DEG WELDED FOR 2" AL
71B	6	SEF	WSC-5858	COUPLER STRAIGHT WELDED FOR 2" AL
71C	6	SEF	WLBUA-5	COUPLER SPHERICAL BALL, WELDED, 2" AL
72	87	SEF	WFC2-24-4A	TERM CONN WELDED (2) 636 AAC TO 4-HOLE PAD
72	348	SEIB	SSB250	BOLTS: 1/2" X 2-1/2" SSB W/2BW,2FW
72	348	SEIB		HARDWARE: 1/2" SILICON BRONZE HN
72A	6	SEF	WFC-34-4A	TERM CONN WELDED 954 AAC TO 4-HOLE PAD
72A	24	SEIB	SSB275	BOLTS: 1/2" X 2-3/4" SSB W/2BW,2FW
72A	24	SEIB		HARDWARE: 1/2" SILICON BRONZE HN
72B	39	SEF	WFC2-90-24-4A	TERM CONN WELDED (2) 636 AAC TO 4-HOLE PAD AT 90 DEGREES
72B	156	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/2BW,2FW
72B	156	SEIB		HARDWARE: 1/2" SILICON BRONZE HN
72C	3	PDU	AL-3BC(2)4HP-90-SP(N51)	BAR DETAIL, 90 DEG WITH 4-HOLE PADS BOTH ENDS AND 3" BOLT CIRCLE
72C	12	SEIB	GCS125	BOLTS: 1/2" X 1-1/4" GCS W/LW,FW
72D	3	SEF	CFX90-4B-3	TERM CONN EXPANSION LAMINATED WITH 4-HOLE PAD BOTH ENDS
72D	12	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/2BW,2FW
72D	12	SEIB		HARDWARE: 1/2" SILICON BRONZE HN
72E	22	SEF	WFTO-58-4A	TERM CONN WELDED 2" AL TO 4-HOLE PAD
72E	88	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/2BW,2FW

72E	88	SEIB		HARDWARE: 1/2" SILICON BRONZE HN
72F	36	SEF	WFT90-58-4A	TERM CONN WELDED 2" AL TO 4-HOLE PAD AT 90 DEGREES
72F	144	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/2BW,2FW
72F	144	SEIB		HARDWARE: 1/2" SILICON BRONZE HN
72G	6	SEF	WFXTC-58-4A	TERM CONN WELDED 2" AL TO 4-HOLE PAD EXPANSION
72G	24	SEIB	SSB200	BOLTS: 1/2" X 2" SSB W/2BW,2FW
72G	24	SEIB		HARDWARE: 1/2" SILICON BRONZE HN
72H	13	SEF	WFC-11-4A	TERM CONN WELDED 4/0 AAC TO 4-HOLE PAD
72H	52	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/2BW,2FW
72H	52	SEIB		HARDWARE: 1/2" SILICON BRONZE HN
72I	31	SEF	WFC-11-2B	TERM CONN WELDED 4/0 AAC TO 2-HOLE PAD
72I	124	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/2BW,2FW
72I	124	SEIB		HARDWARE: 1/2" SILICON BRONZE HN
72J	3	SEF	WFTO-58-2B	TERM CONN WELDED 2" AL TO 2-HOLE PAD
72J	6	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/2BW,2FW
72J	6	SEIB		HARDWARE: 1/2" SILICON BRONZE HN
72M	18	SEF	FNCT-20-4A	TERM CONN BOLTED 500 CU TO 4-HOLE PAD
72M	72	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/2BW,2FW
72M	72	SEIB		HARDWARE: 1/2" SILICON BRONZE HN
73	69	SEF	ASWH-58-3-SE	BUS SUPPORT WELDED 2" AL TO 3" B.C.
73A	3	SEF	WXCTO-58-3	BUS SUPPORT WELDED 2" AL TO 3" B.C. EXPANSION
73B	3			BUS SUPPORT, AL ANGLE TO 3" B.C.
73B	12	SEIB	GCS150	BOLTS: 1/2" X 1-1/2" GCS W/LW,FW
75	19	SEF	GFCS-5050	PARALLEL CONN 4/0
77	12	SEF	DP-58-AL	END CAP, 2" AL
78	27	SMI	STP-C	TRANSITION PLATE, 4-HOLE PAD
78A	31	SMI	STP-B2	TRANSITION PLATE, 2-HOLE PAD

79	63	SEF	ASPC-24-4	CABLE SPACE FOR (2) 636 AAC, 4" SPACING
80	30	SEF	GTC2-14-SND	GROUND CONN TWO PIECE DOUBLE GROOVE 1/0--4/0 CU TO FLAT, TINNED
80A	115	SEF	GTC-14-SND	GROUND CONN TWO PIECE SINGLE GROOVE 1/0--4/0 CU TO FLAT, TINNED
80B	14	SEF	FNCT-20-2B-SND	GROUND TERMINAL 4/0 CU TO 2-HOLE PAD, TINNED
80B	28	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/HN,LW,2FW
105		BY	OTHER	LIGHTS, CONDUIT, CONTROL CABLE, JUNCTION BOXES, ETC
<u>ITEMS REC BEFOR DESIGN CHANGE</u>				
52	5	ABB	E-7524A21G10	CURRENT TRANSFORMER, 35 KV, 300/600