

				BILL OF MATERIAL
SUBSTATION ENTERPRISES				
145 Commercial Court			JEA	
P.O. Box 2010			MERRILL ROAD SUBSTATION	
Alabaster, AL 35007				
Ph. 205-685-2755				
Fax. 205-685-2753		PROJECT NO:	J-6799	
ITEM	QTY	MFG	CAT. NO.	DESCRIPTION
1	23485	MID		STEEL STRUCTURES, HOT-DIPPED GALVANIZED AFTER FABRICATION AND ASSEMBLED WITHIN LIMITATIONS OF TRUCKING
2	36	UI		ANCHOR BOLT: 1-1/4" x 3'-9" WITH 4HHN,2FW (ASTM F1554 GD 55)
2A	12	UI		ANCHOR BOLT: 1" X 13-1/2" ALL-THREAD WITH 2HHN,2FW (ASTM F1554 GR 36)
2B	4	HILTI		TUBES RE500 V.3 EPOXY FOR ITEM 2A ANCHORS
3	1	BY	OWNER	T1 TRANSFORMER
4	2	BY	OWNER	27DV25 28.4kV, 1200A, BREAKER
5	4			UBOLTS: 1/2" DIAMETER STAINLESS STEEL U-BOLTS W/ 2HN, 2LW, 2FW FOR 6" CONDUIT
12	24	CLEAV-PRICE	C102A230-G16	SWITCH: 35 KV 1200 AMP HOOKSTICK DISCONNECT, WTH TINNED TERM PADS, AND TR-210 INSULATORS
12	96	SEIB	GMB35058	BOLTS: 5/8" X 3-1/2" A325 GMB W/ HN, LW, FW
13	3	S&C	192323-SP-Z3Z5	FUSED DISCONNECT, 26 KV SMD-40, WITH 35 KV TR-210 INSULATORS
13	12	SEIB	GMB175	BOLTS: 1/2" X 1-3/4" A325 GMB W/ HN, LW, FW
13A	3	S&C	823001	FUSE UNIT, SMU-40, 1E (FOR PT'S)

14	1	HOFF	A24H2408SSLP3PTW & A24P24AL	PT FUSE BOX, NEMA 4X WITH "L" COVER, 304 STAINLESS, 24" x 24" x 8" W/ AL SUBPANEL
14	4	SEIB	GMB15038	BOLTS: 3/8" X 1-1/2" GMB W/ HN, LW, FW
15	1	HOFF	A36H3612SSLP3PTW & A36P36AL	CT METER CABINET, NEMA 4X WITH "L" OVER, 304 STAINLES STEEL, 36" X 36" X 12" W/ AL SUBPANEL
15	4	SEIB	GMB15038	BOLTS: 3/8" X 1-1/2" GMB W/ HN, LW, FW
31	54	NEWELL	ST-231004-7001	INSULATORS: 35 KV STATION POST TR-210
31	216	SEIB	GCS100	BOLTS: 1/2" X 1" GCS W/ LW, FW
40	6	ABB	Q021SA017B	LIGHTNING ARRESTER, 17 KV MCOV STATION POLYMER
40	18	SEIB	GMB250	BOLTS 1/2" X 2-1/2" A325 GMB W/ HN, LW, FW
41	3	ABB	E-923A680G03	POTENTIAL TRANSFORMER, 25 KV, 14,400 TO 120 VOLT, 120:1 RATIO, .3 W,X,Y,Z,ZZ (TYPE VOG-15B)
41	12	SEIB	GMB15038	BOLTS: 3/8" X 1-1/2" GMB W/ HN, LW, FW
50	600	WMWA		BUS: 2" IPS SCH 40 COPPER (30 PCS @ 20')
51	340	WMWA		BUS: 1-1/4" IPS SCH 40 COPPER (17 PCS @ 20')
60	150	CUWIRE		CABLE: 500 MCM BARE COPPER, 37-STRAND MHD
61	200	CUWIRE		CABLE: 4/0 BARE COPPER, MHD
62	200	CUWIRE		CABLE: 350 BARE COPPER, MHD
63	100	CUWIRE		CABLE: 1000 BARE COPPER, 61 STRAND, MHD
64	500	CW		CABLE: 7#5 COPPERWELD
70	12	SEF	TTHT-5849	TEE CONN BOLTED 2" CU MAIN TO 1-1/4" CU TAP
70B	3	SEF	TTT-4949	TEE CONN BOLTED 1-1/4" CU MAIN & TAP
71A	6	SEF	LB90-5858	COUPLER 90 DEG BOLTED FOR 2" CU

71B	12	SEF	CCT-5858	BRONZE COUPLER STRAIGHT BOLTED FOR 2" AL
72	24	SEF	FNTT-49-4A-SND	TERM CONN BOLTED 1-1/4" CU TO 4-HOLE PAD
72	96	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/ HN, 2BW, 2FW
72B	39	SEF	FNTT-58-4A-SND	TERM CONN BOLTED 2" CU TO 4-HOLE PAD
72B	156	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/ HN, 2BW, 2FW
72A	9	SEF	FNCT-20-4A-SND	TERM CONN BOLTED 1/0 - - 500 CU TO 4-HOLE PAD
72A	36	SEIB	SSB200	BOLTS: 1/2" X 2" SSB W/ HN, 2BW, 2FW
73	27	SEF	ASFFT-49-4A	EXPANSION TERM CONN BOLTED 1-1/4" CU TO 4-HOLE PAD
73	108	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/ HN, 2BW, 2FW
74	39	SEF	FNCT2-20-4A-SND	TERM CONN BOLTED 1/0 - - (2) 500 CU TO 4-HOLE PAD
74	48	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/ HN, 2BW, 2FW
74	108	SEIB	SSB225	BOLTS: 1/2" X 2-1/4" SSB W/ HN, 2BW, 2FW
76	6	SEF	SCTI-49-3	BUS SUPPORT BOLTED 1-1/4" CU TO 3" B.C.
77	24	SEF	SCTI-58-3	BUS SUPPORT BOLTED 2" CU TO 3" B.C.
78	6	SEF	GFCS-5050	PARALLEL CONN 4/0
79	18	SEF	DP-58-BR	END CAP, 2" CU
80	12	SEF	GTC2-14-SND	GROUND CONN TWO PIECE DOUBLE GROOVE 1/0--4/0 CU TO FLAT, TINNED
81	90	SEF	GTC-14-SND	GROUND CONN TWO PIECE SINGLE GROOVE 1/0--4/0 CU TO FLAT, TINNED
82	4	SEF	FNCT-20-2B-SND	GROUND TERMINAL 4/0 CU TO 2-HOLE PAD, TINNED
82	8	SEIB	SSB175	BOLTS: 1/2" X 1-3/4" SSB W/ HN, 2BW, 2FW
83	21	SEF	ASPC-20-(4)-BR	BRONZE DOUBLE CABLE SPACER 4" SPACER

84	6	SEF	TCRCT-2020	BRONZE TEE 1/0 - 500 MAIN & TAP
105		BY	OTHER	LIGHTS, CONDUIT, CONTROL CABLE, JUNCTION BOXES, ETC
				<u>TRANSFORMER T1 BOM</u>
85	3	SEF	FNTT90-60-4A	2-1/2" BRONZE BUS TO 4 HOLE PAD 90 DEG. TURN DOWN
86	6	PDU	110-105-CSTC-4-90	(2) 500MCM CU TO 90 DEG 4HP
87	300	BY	OWNER	CONDUCTOR 636 KCM, 61 STRAND, (AAC), "ORCHID"
88	2	BY	JEA	DEADEND INSULATOR PLATE (INCLUDES 3 PER QTY)
90	6	PDU	12-908	4AWG-954 MCM CABLE TO CABLE AL TEE CONNECTOR
91	9	PDU	11-126	4AWG-954 MCM CABLE TO CABLE AL TERMINAL
91	36	SEIB	SSB250	BOLTS: 1/2" X 2-1/2" SSB W/ HN, 2BW, 2FW
92	3	PDU	12-1102	4AWG-954 MCM CABLE RUN TO 4-HOLE TAP
92	3	SEF	ACF-34-4A	4AWG-954 MCM CABLE RUN TO 4-HOLE TAP
92A	12	SEIB	SSB275	BOLTS: 1/2" X 2-3/4" SSB W/ HN, 2BW, 2FW
93	50	CHAMP		954 AAC MAGNOLIA
93A	3	SEF	AFNC-34-4A	ALUMINUM 4 HOLE PAD TO AAC CONDUCTOR 556 - 1000 KCMIL
93A	12	SEIB	SSB200	BOLTS: 1/2" X 2" SSB W/ HN, 2BW, 2FW
				<u>BREAKER 6T2 BOM</u>
94	3	SEF	ACTC-5834	TERM CONN BOLTED 2" CU TO 1000MCM CABLE
95	6	SEF	FNCT-34-4A-SND	TERM CONN BRONZE BOLTED 4/0 - 1000 MCM TO 4-HOLE PAD
95A	24	SEIB	SSB250	BOLTS: 1/2" X 2-1/2" SSB W/ HN, 2BW, 2FW

96	1	BY	OWNER	70- SFMT-50J, STANDARD OUTLINE, 2 DOORS MEPPI BREAKER, 72.5kV, 3000A
96A	4	SEIB		ANCHOR BOLTS, SEE ITEM #2A
97	3	SEF	FNCT-48-2B	TERM CONN BRONZE BOLTED 1000 - 2000 MCM TO 2-HOLE PAD
97A	6	SEIB	SSB225	BOLTS: 1/2" X 2-1/4" SSB W/ HN, 2BW, 2FW