



INFORMATION
THIS DOCUMENT IS
SUBJECT TO REVISION
WITHOUT NOTIFICATION
TO THE USER OF THIS
COPY

- NOTES
- TRIPS ON 510
 - ONLY TIME DELAY OPERATION (51) IS USED FOR TRIP FUNCTION IN UNIT #1. INST. OPERATION (50) IS DEFEATED BY REMOVING JUMPER LINK ACROSS TERMINALS 52 & 51C.

REFERENCE DWGS

- 1-E-1101 UNIT #1 MAIN ONE LINE DIAGRAM SHEET
- 1-E-1102 13.8KV ESF BUS ONE LINE DIAGRAM
- 1-E-1103 13.8KV ESF BUS ONE LINE DIAGRAM
- 1-E-1104 13.8KV ESF BUS ONE LINE DIAGRAM
- 1-E-1105 13.8KV ESF BUS ONE LINE DIAGRAM

NUCLEAR SAFETY RELATED
CLASS 1E

PK	FKG:003	SUFF:102	ACT:581
SOUTH TEXAS PROJECT			
ELECTRICAL			
ONE LINE DIAGRAM			
416KV ESF SWITCHGEAR F1A			
UNIT NO. 1			
CONTRACT NO.	SCALE		
CR-0241	NONE		
DRAWING 7.5 F. 11			
1-E-110 F			

LEGEND

DEVICE	FUNCTION	PANEL NO.	DESCRIPTION
27A	UNDER VOLTAGE RELAY	55/5	500V STATE PROTECTION SYS. CONTROLLER
27B	UNDER VOLTAGE AUXILIARY RELAY	CP001	CONTROLLER
27C	UNDER VOLTAGE RELAY		
27D	UNDER VOLTAGE RELAY		
27E	UNDER VOLTAGE RELAY		
27F	UNDER VOLTAGE RELAY		
27G	UNDER VOLTAGE RELAY		
27H	UNDER VOLTAGE RELAY		
27I	UNDER VOLTAGE RELAY		
27J	UNDER VOLTAGE RELAY		
27K	UNDER VOLTAGE RELAY		
27L	UNDER VOLTAGE RELAY		
27M	UNDER VOLTAGE RELAY		
27N	UNDER VOLTAGE RELAY		
27O	UNDER VOLTAGE RELAY		
27P	UNDER VOLTAGE RELAY		
27Q	UNDER VOLTAGE RELAY		
27R	UNDER VOLTAGE RELAY		
27S	UNDER VOLTAGE RELAY		
27T	UNDER VOLTAGE RELAY		
27U	UNDER VOLTAGE RELAY		
27V	UNDER VOLTAGE RELAY		
27W	UNDER VOLTAGE RELAY		
27X	UNDER VOLTAGE RELAY		
27Y	UNDER VOLTAGE RELAY		
27Z	UNDER VOLTAGE RELAY		
28	OVERCURRENT RELAY		
29	OVERCURRENT RELAY		
30	OVERCURRENT RELAY		
31	OVERCURRENT RELAY		
32	OVERCURRENT RELAY		
33	OVERCURRENT RELAY		
34	OVERCURRENT RELAY		
35	OVERCURRENT RELAY		
36	OVERCURRENT RELAY		
37	OVERCURRENT RELAY		
38	OVERCURRENT RELAY		
39	OVERCURRENT RELAY		
40	OVERCURRENT RELAY		
41	OVERCURRENT RELAY		
42	OVERCURRENT RELAY		
43	OVERCURRENT RELAY		
44	OVERCURRENT RELAY		
45	OVERCURRENT RELAY		
46	OVERCURRENT RELAY		
47	OVERCURRENT RELAY		
48	OVERCURRENT RELAY		
49	OVERCURRENT RELAY		
50	OVERCURRENT RELAY		
51	OVERCURRENT RELAY		
52	OVERCURRENT RELAY		
53	OVERCURRENT RELAY		
54	OVERCURRENT RELAY		
55	OVERCURRENT RELAY		
56	OVERCURRENT RELAY		
57	OVERCURRENT RELAY		
58	OVERCURRENT RELAY		
59	OVERCURRENT RELAY		
60	OVERCURRENT RELAY		
61	OVERCURRENT RELAY		
62	OVERCURRENT RELAY		
63	OVERCURRENT RELAY		
64	OVERCURRENT RELAY		
65	OVERCURRENT RELAY		
66	OVERCURRENT RELAY		
67	OVERCURRENT RELAY		
68	OVERCURRENT RELAY		
69	OVERCURRENT RELAY		
70	OVERCURRENT RELAY		
71	OVERCURRENT RELAY		
72	OVERCURRENT RELAY		
73	OVERCURRENT RELAY		
74	OVERCURRENT RELAY		
75	OVERCURRENT RELAY		
76	OVERCURRENT RELAY		
77	OVERCURRENT RELAY		
78	OVERCURRENT RELAY		
79	OVERCURRENT RELAY		
80	OVERCURRENT RELAY		
81	OVERCURRENT RELAY		
82	OVERCURRENT RELAY		
83	OVERCURRENT RELAY		
84	OVERCURRENT RELAY		
85	OVERCURRENT RELAY		
86	OVERCURRENT RELAY		
87	OVERCURRENT RELAY		
88	OVERCURRENT RELAY		
89	OVERCURRENT RELAY		
90	OVERCURRENT RELAY		
91	OVERCURRENT RELAY		
92	OVERCURRENT RELAY		
93	OVERCURRENT RELAY		
94	OVERCURRENT RELAY		
95	OVERCURRENT RELAY		
96	OVERCURRENT RELAY		
97	OVERCURRENT RELAY		
98	OVERCURRENT RELAY		
99	OVERCURRENT RELAY		
100	OVERCURRENT RELAY		

POOR ORIGINAL

REV.	DESCRIPTION	DATE	BY	CHKD.	APP.
1	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
2	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
3	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
4	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
5	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
6	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
7	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
8	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
9	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
10	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
11	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
12	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
13	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
14	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
15	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
16	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
17	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
18	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
19	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
20	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
21	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
22	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
23	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
24	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
25	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
26	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
27	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
28	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
29	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
30	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN
31	ISSUED FOR CONSTRUCTION	11/15/78	J. W. BROWN	J. W. BROWN	J. W. BROWN

Brown & Root, Inc.
Houston, Texas

APR-24-1978
STP-EDCC

INFORMATION PRELIMINARY REVIEW USE CONSTRUCTION



BROWN & ROOT, INC.
MICROFILM SERVICES
MONDAY, APR. 27 1981

8.5"
11"
17"

8.5"
11"
17"

RIDS

8112210149

