



TABLE OF CBs							
NUMBER	KV	MAKE	TYPE	AMP	BCTs		DUTY
					LINE SIDE	BUS SIDE	
52,58,59	4	MEP	170V25-20-F	2000	3-2000/5	3-3000/5	25 KA
54,55,56,60,63	4	MEP	170V25-12-F	1200	3-2000/5	3-1200/5	25 KA
61,62	4	MEP	170V25-12-F	1200	3-1200/5	3-2000/5	25 KA

SAS FUNCTIONS & FLOW DIAGRAMS	
FUNCTION	FLOW DIAGRAMS
BANK RECLOSING, HS 2 CB'S LS 1 CB (NO. 3 BANK)	SASF074A
BANK RECLOSING, HS 2 CB'S LS 1 CB (NO. 4 BANK)	SASF075
4KV DIST ONE SHOT RECLOSER	SASF041
4KV DIST TWO SHOT RECLOSER	SASF040
4KV OPERATING BUS	SASF046
4KV REGULATOR AUTOMATION THREE PHASE	SASF903
4KV REGULATOR AUTOMATION SINGLE PHASE A	SASF901A
4KV REGULATOR AUTOMATION SINGLE PHASE B	SASF901B
4KV REGULATOR AUTOMATION SINGLE PHASE C	SASF901C

- NOTES:
- FOR GENERAL NOTES SEE SHEET 1, DWG. 5500637.
  - ALL 4KV LINE CT RATIOS ARE 800/5 (UNLESS INDICATED OTHERWISE):  
RELAYS ARE F35.
  - 4KV BUS TIE RELAY IS F35.
  - 4KV BUS DIFFERENTIAL CT'S ARE 1200/5; RELAY IS F35.

REVISIONS										REVISIONS									
NO.	DATE	SAP NO	SUPV	APPROVED	ENGR	CK'D	MADE	P.E.		NO.	DATE	SAP NO	SUPV	APPROVED	ENGR	CK'D	MADE	P.E.	
3	AS BUILT - REVISED FLOW DIAGRAM	7-31-18	900733386	DG	DG/RAL	JGM	ABC	ABC	N2S	1	REPL'D 4KV POS. 14 REGULATOR	10-21-16	901889545	RAL	DG/RAL	AYW	PCG	GZ	ORSA
2	REPLACED 4KV POS. 14 REGULATOR	12-28-15	901588341	DG	DG/RAL	AYW	PCG	GZ	ORSA	0	REPL'D 4KV POS. 11 REGULATOR	02-04-15	900733386	DG	DG/RAL	AYW	MAN	GZ	ORSA
1	REPL'D 4KV POS. 6 REGULATOR																		
0	REPL'D NO. 3 & 4 TRANS BY HS LEADS, REM'D SLIP TRANS BK, ADDED BUS DIFF PROT & UPGRADED TO S&C																		

5500638	ONE LINE FOR CONSTRUCTION SH. 2
5500637	ONE LINE FOR CONSTRUCTION SH. 1

REFERENCE DRAWINGS	REFERENCE DRAWINGS	NO.	REVISIONS	DATE	SAP NO	SUPV	APPROVED	ENGR	CK'D	MADE	P.E.
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LOCATION:	ALHAMBRA SUBSTATION	SHEET NO.	E
ONE LINE FOR CONSTRUCTION SH. 3		SCALE:	NONE
EDISON An EDISON INTERNATIONAL Company		3 OF 3	SHTS.