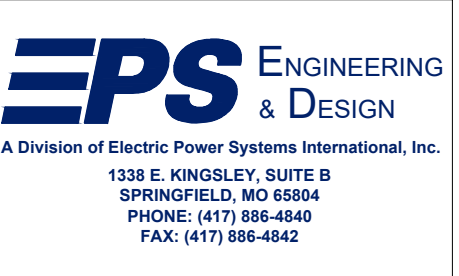


CB #	kV	MAKE	TYPE	AMP	BCTs		DUTY													
					LINE SIDE	BUS SIDE														
11,12	66	KEL	69RFA6BS-H	800	3-1200/5	3-1200/5	1650 MVA													
15,16	66	KEL	69RFA6BS-H6	600	3-600/5	3-600/5	1500 MVA													
32,34,36	15	SIEMENS	SDV-4A	1200	3-600/5	3-1200/5	500 MVA													
42,47,50	12	ITE	14.4KS500-20DS	1200		3-2000/5	500 MVA													
41	12	G.E.	VLB-1717000-0	1200	3-1200/5	3-2000/5	500 MVA													
49	12	ITE	14.4KS500-12B	1200	3-1200/5	3-1200/5	500 MVA													
38,52,54,56	15	ABB	ABB TYPE R-4	1200	3-600/5	3-600/5	500 MVA													
58,60,62	15	ABB	ABB TYPE R-4	1200	3-600/5	3-600/5	500 MVA													
44	12	WEST.	17R417-20A	2000	3-2000/5	3-2000/5	500 MVA													
39	12	S4D	FVBS1301125	3000	3-3000/5	3-3000/5	500 MVA													
64	15	ABB	ABB TYPE R-4	1200	3-600/5	3-600/5	500 MVA													
66,68,70,72	R	E	S	E	R	V	E	D	F	O	R	F	U	T	U	R	E	U	S	E
74,76,78,80,82	12	S4D	FVBS1121125	1200	3-600/5	3-600/5	500 MVA													
84	15	SIEMENS	SDV7	3000	3-3000/5	3-3000/5	40KAIC													
86,88	R	E	S	E	R	V	E	D	F	O	R	F	U	T	U	R	E	U	S	E

REV	DATE	BY	QC	LD	DESCRIPTION
7B	03.04.20	DPP	JAB	LLQ	60% DETAIL DESIGN
7A	01.22.20	DPP	JAB	LLQ	30% DETAIL DESIGN

TEMPORARY ISSUE TRACKING BLOCK DSG19083

EPS E&D, TAKES EXCEPTION TO THE CERTIFICATION OF THE EXISTING ACCURACY OF THE DRAWINGS OR INSTALLED EQUIPMENT



INSTALL

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DRAWINGS AND SPECIFICATIONS ARE NOT INTENDED FOR USE ON OTHER PROJECTS AT THIS SITE OR OTHER SITES WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

NOT FOR CONSTRUCTION

- CONSTRUCTION NOTES:
- INSTALL 2-BREAKER RACK ON THE EAST END OF SOUTH DISTRIBUTION BUS.
 - CONNECT BUS NEW BUS TO EXISTING BUS WITH FLEXIBLE JUMPERS.
 - INSTALL (1) BREAKER TO SERVE AS TIE BREAKER. OPEN BREAKER NUMBER 84 WILL BE USED FOR NEW BREAKER.
 - SECOND BREAKER RACK RESERVED FOR FUTURE DISTRIBUTION FEEDER BREAKER.
 - INSTALL BUSWORK, SWITCHES AND JUMPERS FOR BOTH BREAKER RACKS.
 - INSTALL CONDUIT FOR FUTURE GETAWAY. CAP BELOW GRADE OUTSIDE OF FENCE. MARK TO ASSIST FUTURE INSTALLATION.
 - INSTALL SURGE ARRESTERS ON FUTURE DISTRIBUTION FEEDER BUS. SURGE ARRESTERS NOT PICTURED.

DATE	NO.	DESCRIPTION	BY	CHK	APP.
9/08/97	2	R/R CB # 32,34,36,38,52,54,56,58,60, 62, AND 64	H.V.		
9/28/05	3	R/R CB # 32,34,36 FROM ABB TO SIEMENS	H.V.		
3/19/18	4	Fixed SCE Main-Tie BKR# 47 Connections	A.Q.		
11/26/19	5	Inserted switch positions N.C. or N.O.	A.Q.		
	6	DRAWING CORRECTION	DPP		
	7	SOUTH BUS TIE BREAKER ADDITION	DPP		

DWN: JAMES H. CHK:
APPROVED: _____ ENGINEER
DIRECTOR OF UTILITIES

DATE: 3/27/92
SCALE: N.T.S.

**AZUSA SUBSTATION
SINGLE LINE DIAGRAM**

CITY OF AZUSA
DEPARTMENT OF LIGHT & WATER

DWG. NO.
ED92-0002