



- NOTES**
- 1 Electrical clearance for 115KV shall be 6'-0" line to line and 3'-4" line to ground, minimum.
 - 2 All aluminum connections to be made in accordance with PG&E Co. Dwg. #02B289.
 - 3 See Detail "A" Dwg. #414872 for mounting receptacles on 115KV OCB cabinet.
 - 4 Use 10 suspension-type insulators per assembly for station buses.
 - 5 Stringing tension 750 lbs. @ 80°F.
 - 6 2" steel mesh guard to be welded to noted legs of SW 332 structure to prevent climbing in front of Low Profile Bus.
 - 7 (S) Symbol denotes slip fit (T) Symbol denotes tight fit
 - 8 Terminals to be tinned for Copper to Alum. Connection.
 - 9 For the location of the underground high voltage cables see Arrangement of Conduits & Grounds Outdoors Dwg. 501814.
 10. POST BARRIER LOCATION SHALL BE DETERMINED BY FIELD.
- REFERENCES**
- General Arrangement Outdoors, Sh.2
General Arrangement Indoors
Single Line Diagram
Arrangement of 4 KV Sw, Bus & Reg. Structure
Arrangement of Conduits (1956 Construction)
Arrangement of Conduits & Grounds Outdoors
Grading Plan & Arrgt of Foundation
Arrangement of 110/4 KV 34 Transformer & Structure
Arrangement of Equipment & Conduit Indoors
Requirements for 37'-6" 115KV OCB, Dis., By-Pass & Ground Sw. Structure
Requirements for 50' 115KV OCB, Dis., By-Pass & Ground Sw. Structure
37'-6" & 50'-0" Latticed Steel Dead End Poles
Unguyed 57'-6" Latticed Steel Pole

DWG NO.	DWG NO.
*447268	*447268
*414875	*414875
*414876	*414876
*405597	*405597
*414873	*414873
*322479	*322479
*414875	*414875
*414530	*414530
*413273	*413273
*17586a	*17586a
*204716	*204716

TABLE 1
SAG TABLE FOR 1431KCMIL ALUM COND

TEMP F°	TOTAL SAG	FINAL TENSION(LBS)	WIND LOAD(LBS)
25	2'-0"	1944	0
35	2'-1"	1611	0
40	2'-2"	1545	0
60	2'-11"	1407	0
80	3'-4"	1300	0
100	3'-6"	1214	0
130	3'-10"	1111	0

* TENSION OF CONDUCTOR AFTER A PERIOD OF 10 YEARS

**ELECTRIC TRANSMISSION
ENGINEERING & CONSTRUCTION**
FOR QUESTIONS ON REV. 12 OF THIS DWG
Call BRENTON SMITH (BV) at 503-443-6233
Call TANVI SIKKA (EV) at 925-556-2229

SUBSTATION & TRANSMISSION		SUBSTATION		ELECTRICAL		STATION A SAN JOSE				ARRANGEMENT				ACTIVE		ASSET		SUBSTATION				115KV	
BUSINESS LINE		FACILITY TYPE		DISCIPLINE		FACILITY NAME				DRAWING TYPE				STATUS		DWG STATE		FACILITY COMPONENT				UNIT	
12	4-20-21	AS-BUILT CLOUD REMOVAL		74005581	TS	SVA	BNS	BNS	8	08-01-02	ADDED 2-CCVT'S, 2-OPER. SW PLTFORM & 2-BARRIER POSTS				30247229	DEC	PMV	AM	JHL	W.O.	4791687	REV. 1	
11	9-27-17	REPLACE SW 331, 333, 335		74005581	TS	SVA	RSA	TC	7	7-10-02	REV PER AS-BUILT FIELD CHANGES				30247676	JFC	MSS9	AM	CYL	DWN	C. WONG		
10	11-16-11	REVISED PER AS BUILT, REPL CB 1110		30840979	GWH	AD/MCKL/AD	JLT		6	6-21-90	ADD TB#4 & 15KV ENCL BRK MOD				1328137	CFN	HJ	FK/HU	AKS	CHWK	AS		
9	10-12-05	REVISED PER AS BUILT/RWD DISC SW 325		30255396	SRF	IJ/MC	AM/JU	JHU	5	8-3-90	ADD SCADA CABS @ TB#3 & 12KV FOR REF FLD CHG ADD RECL BLOCK FDR1109				4791687	MB/U	RFS	RB	JOR	SUPV	G. ARNO		
																				APVD EOG			
																				APVD JB			
REV	DATE	DESCRIPTION		JOB NO	CHKD	SUPV	APVD	REV	DATE	DESCRIPTION		JOB NO	CHKD	SUPV	APVD	DATE	10-29-71						
				6								7						8					

PG&E

GENERAL ARRANGEMENT OUTDOORS

STATION A SAN JOSE

DEPARTMENT OF ENGINEERING

PACIFIC GAS AND ELECTRIC COMPANY

SAN FRANCISCO, CALIFORNIA

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