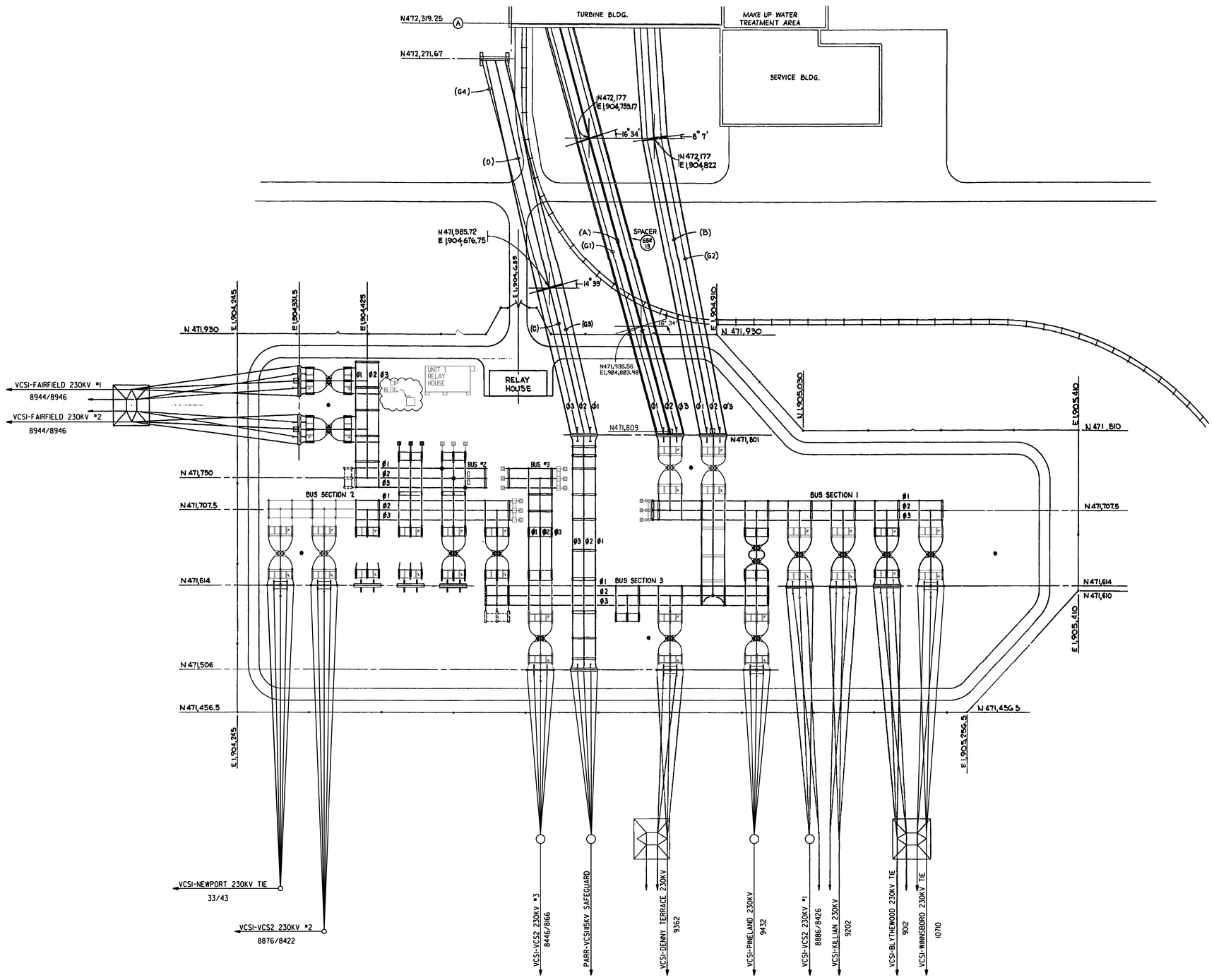

OVERHEAD CONDUCTOR SAG CHART

SPAN LETTER	SPAN	PHASE	SPAN LENGTH (FT.)	WIRE SIZE	MAX. TENSION FULLY LOADED (PER WIRE)	STRINGING SAG IN FEET AT TEMPERATURE (BELOW POINT OF ATTACHMENT) 10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
A	GEN. #1 MAIN JFWR. DEAD END STRUCTURE, 230 KV SUBSTA. TO INTERMEDIATE STRUCTURE	Ø1,Ø2,Ø3	331	2-2156 KCMIL 84/19 ACSR	5,000# WITH 23.4 PSF WIND &¾" RADIAL ICE	1.75	1.83	1.92	2.0	2.08	2.19	2.25	2.33	2.42	2.50
B	AUX. JFWR. DEAD END STRUCTURE, 230 KV SUBSTA. TO INTERMEDIATE STRUCTURE	Ø1,Ø2,Ø3	384	795 KCMIL A.C.S.R. 45/7 STRAND	5,500# WITH 30.3 PSF WIND & NO ICE	5.00	5.41	5.91	6.40	6.90	7.39	7.87	8.35	8.81	9.26
C	ESF JFWR. LINE DEAD END STRUCTURE 230 KV SUBSTA. TO INTERMEDIATE STRUCTURE	Ø1,Ø2,Ø3	191	447 KCMIL A.C.S.R. 26/7 STRAND	5,500# WITH .25" ICE & 4.0 PSF WIND	0.73	0.77	0.85	0.93	1.02	1.11	1.24	1.36	1.50	1.63
D	INTERMEDIATE STRUCTURE TO ESF JFWR. #1 & 2 DEAD END STRUCTURE	Ø1,Ø2,Ø3	296	447 KCMIL A.C.S.R. 26/7 STRAND	5,500# WITH .25" ICE & 4.0 PSF WIND	1.6	1.71	1.85	1.99	2.18	2.36	2.61	2.85	3.16	3.46

OVERHEAD GROUND WIRE SAG CHART

SPAN LETTER	SPAN	SPAN LENGTH (FT.)	WIRE SIZE	MAX. TENSION FULLY LOADED (PER WIRE)	STRINGING SAG IN FEET AT TEMPERATURE (BELOW POINT OF ATTACHMENT) 10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
G1	GEN.#1 MAIN JFWR.DEAD END STRUCTURE, 230 KV SUBSTA. TO INTERMEDIATE STRUCTURE	331	1441 OPGW 57/34/561	3000# WITH 23.4 PSF WIND &¾" RADIAL ICE	0.42	0.42	0.42	0.58	0.58	0.58	0.67	0.67	0.75	0.75
G2	AUX. JFWR.DEAD END STRUCTURE, 230 KV SUBSTA.TO INTERMEDIATE STRUCTURE	384	3/8" H.S.STEEL, 7 STRAND, GALV.	2,500# WITH 30.3 PSF WIND & NO ICE	2.52	2.65	2.80	2.95	3.12	3.28	3.49	3.68	3.90	4.11
G3	ESF JFWR. LINE DEAD END STRUCTURE 230 KV SUBSTA.TO INTERMEDIATE STRUCTURE	191	3/8" H.S.STEEL, 7 STRAND, GALV.	2,500# WITH .25" ICE & 4.0 PSF WIND	0.56	0.59	0.63	0.66	0.70	0.74	0.79	0.84	0.90	0.95
G4	INTERMEDIATE STRUCTURE TO ESF JFWRS. #1 & 2 DEAD END STRUCTURE	296	3/8" H.S.STEEL 7 STRAND, GALV.	2,500# WITH .25" ICE & 4.0 PSF WIND	1.36	1.43	1.51	1.58	1.68	1.78	1.90	2.01	2.15	2.28

REFERENCES:

E-035-001	LAYOUT - PLOT PLAN
E-229-002	230KV SUBSTA. ARRGT. - PLAN BUS SECTIONS 2 & 3
E-229-003	230KV SUBSTA. ARRGT. - PLAN BUS SECTIONS 1 & 3
E-229-006	OVERHEAD LINE ARRGT. 230KV & 115KV OUTDOOR JFWR. AREA
E-238-001	RAILROAD SIDINGS - PLAN YARD TRACKAGE
E-744-058	SITE IMPROVEMENTS - NORTH PLOT PLAN - PLANT ROADS & PARKING AREAS
D-15403	TRANSMISSION LINES AT V.C. SUMMER STATION (S.C.E. & G. Dwg.)
TC-09215-SERIES	SCE&G TRANSMISSION & DISTRIBUTION DEPT. DRAWINGS

NOTES:

1. ⊕ INDICATES LOCATION OF LIGHTNING MAST.

DRAWING LEGIBILITY CLASS 2
SCE&G CAD ENHANCED

FSAR Figure 8.2-2a

SOUTH CAROLINA ELECTRIC & GAS COMPANY

V.C. SUMMER NUCLEAR STATION

ELECTRICAL

GENERAL ARRANGEMENT

230 KV SUBSTATION ARRANGEMENT

DESIGN ENGINEERING

A BECHTEL COMPANY — V.C. SUMMER NUCLEAR STATION JENKINSVILLE, S.C.

MADE	CHECKED	LE APPROVAL
DDJ	RHM	HID

SCALE: NO SCALE | E-229-001 | 22

DRAWING NUMBER | SHT. NUMBER | REV.

NO.	DATE	BY	REVISION	CHD. BY	APPROVAL
22	8/21/09	NAX	REVISED PER ECR-50882	MIA	JPW
21	8/8/8	JMR	REVISED PER ECR50855 & 50836	AME	DH
20	0/1/11	JMR	REVISED PER ECR-50836	RHM	TF
19	8/8/201	AYF	REVISED PER ECR-50836 & ECR-50867	AMR	AB
15	5/29/09	DDJ	REVISED PER ECR50803	MGR	NE
14	5/8/09	DDJ	REVISED PER ECR50748A	MGR	NE
18	0/5/205	VMK	REVISED PER ECR-50864	AMR	NE