

Construction No.	---	213	212	211	210	209	208	207	206	205	
Mile & Tower	IVANPAH	M0-T1	M0-T2	M0-T3	M0-T4	M0-T5	M0-T6	M1-T1	M1-T2	M1-T3	
Station	+1	3+21	11+16	20+41	30+66	40+63	51+00	61+39	71+81	82+50	
Elevation @ Hub	3031.6	3013.5	2982.1	2953.3	2921.6	2895.4	2862.6	2838.8	2812.4	2786.4	
Line Angle	-	41°29'29"RT	42°05'41"LT	-	-	-	-	-	-	-	
Tower Type	SUB RACK	WY2-C	WY2-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	
Erection Diagram	---	5453107	5453107	5453019	5453019	5453019	5453019	5453019	5453019	5453019	
Tower Legs	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	
Legs or Extensions	N/A	-3 -3 -3 -3 +3 +3 +3 +3	+15 +15 +15 +15	+15 +15 +15 +15	+15 +15 +15 +15	+15 +15 +15 +15	+15 +15 +15 +15	+12 +12 +12 +12	+12 +12 +12 +12	+12 +12 +12 +12	
Grade of Stub A		3017.1	2984.7	2955.0	2923.2	2897.2	2864.4	2840.2	2814.3	2787.8	
Projection Less Than		4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	
Soil Type	---	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	
Footing Drawing	---	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934	
Point of Support Elev.	3076.6	3102.1	3075.7	3039.0	3007.2	2981.2	2948.4	2921.2	2895.3	2868.8	
Insulation - Conductor	DE	DE	DE	Susp	Susp	Susp	Susp	Susp	Susp	Susp	
Insulation - GW / OPGW	DE -	DE DE	- DE	- Susp	- Susp	- Susp	- Susp	- Susp	- Susp	- Susp	
Drawing N-4592 Sht No.	14	15	4	1	1	1	1	1	1	1	
OPGW Splice		SPLICE									
Span Length		320	795	925	1025	997	1037	1038	1043	1068	
Profile		725646 SH.1					725646 SH.2				
Cond. & Catenary		2B - 1,590 KCM ACSR 45/7 "LAPWING"									
See M-61149 for Loading		C@60°F (IC) = 833	C@60°F (IC) = 3604	C@60°F (IC) = 4792							
OPGW & Catenary		AFL S1-116/63/724									
See M-61149 for Loading		NONE	C@60°F (IC) = 3539	C@60°F (IC) = 5127							
OHGW & Catenary		1/2" EHS 7 STRAND OHGW									
See M-61149 for Loading		C@60°F (IC) = 1200	NONE								
Crossings		DIST X-ING				DIST X-ING					
						COLOSEUM RD					
Remarks											
Reference Drawings	M-60204	MASTER DWG LIST, CKT #1			M-61149	DESIGN BASIS					
	725645	GENERAL ARRANGEMENT			N-4598	H-FRAME STAKING DIAGRAM					
	5455937	H-FRAME LOADING			M-60221	DATA SHEETS, CKT #2					
										Location ELDORADO-IVANPAH NO. 1 220-KV T/L TOWER DATA SHEET	
		0 ISSUED FOR CONSTRUCTION				4/7/12 <i>[Signature]</i>				MG/POWER	
		Revisions				Date				Approved	
						OK				Check	
										Made	
										Southern California Edison	

M-60205-0

PEI SUBMITTAL DATE: 06-01-2012

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Cond. - Dampers - GW
N-4597

Sheet 1 of 22

Construction No.	204	203	202	201	200	199	198	197	196	195		
Mile & Tower	M1-T4	M1-T5	M2-T1	M2-T2	M2-T3	M2-T4	M2-T5	M3-T1	M3-T2	M3-T3		
Station	92+25	102+51	113+03	123+03	133+24	143+59	153+82	164+08	174+34	184+61		
Elevation @ Hub	2764.9	2746.6	2724.4	2700.4	2674.6	2658.7	2644.4	2632.5	2623.4	2615.4		
Line Angle	-	-	-	-	-	-	-	-	-	-		
Tower Type	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C		
Erection Diagram	5453019	5453019	5453019	5453019	5453019	5453019	5453019	5453019	5453019	5453019		
Tower Legs	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D		
Legs or Extensions	+9 +9 +9 +9	+12 +12 +12 +12	+12 +12 +12 +12	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+12 +12 +12 +12	+9 +9 +9 +9		
Grade of Stub A	2766.3	2748.0	2726.3	2701.9	2676.0	2660.1	2645.6	2633.9	2624.6	2616.8		
Projection Less Than	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4		
Soil Type	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 4		
Footing Drawing	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934		
Point of Support Elev.	2844.3	2829.0	2807.3	2779.9	2754.0	2738.1	2723.6	2712.0	2705.6	2694.8		
Insulation - Conductor	Susp	Susp	Susp	Susp	Susp	Susp	Susp	Susp	Susp	Susp		
Insulation - GW / OPGW	- Susp	- Susp	- Susp	- Susp	- Susp	- DE	- Susp	- Susp	- Susp	- Susp		
Drawing N-4592 Sht No.	1	1	1	1	1	10	1	1	1	1		
OPGW Splice						SPLICE						
Span Length	975	1026	1051	1001	1021	1035	1023	1026	1026	1026		
Profile	725646 SH.2					725646 SH.3					Cond. - Dampers - GW N-4597	
Cond. & Catenary	2B - 1,590 KCM ACSR 45/7 "LAPWING"											
See M-61149 for Loading	C@60°F (IC) = 4792											
OPGW & Catenary	AFL S1-116/63/724					AFL S1-91/61/668						
See M-61149 for Loading	C@60°F (IC) = 5127					C@60°F (IC) = 5290						
OHGW & Catenary	NONE					NONE					DIRT RD	
See M-61149 for Loading												
Crossings												
Remarks												
Reference Drawings	M-60204	MASTER DWG LIST, CKT #1		M-61149	DESIGN BASIS							
	725645	GENERAL ARRANGEMENT		N-4598	H-FRAME STAKING DIAGRAM							
	5455937	H-FRAME LOADING		M-60221	DATA SHEETS, CKT #2							
		0 ISSUED FOR CONSTRUCTION		4/7/12	EL	MS/POWER	Sheet 2 of 22					
		Revisions		Date	Approved	OK	Check	Made	Southern California Edison			

M-60205-0

Construction No.	194	193	192	191	190	189	188	187	186	185
Mile & Tower	M3-T4	M3-T5	M4-T1	M4-T2	M4-T3	M4-T4	M4-T5	M5-T1	M5-T2	M5-T3
Station	194+87	205+13	215+39	225+66	235+91	246+28	256+44	266+70	276+97	287+22
Elevation @ Hub	2608.7	2605.8	2605.8	2605.8	2605.8	2605.9	2605.7	2605.7	2605.7	2605.7
Line Angle	-	-	-	-	-	-	-	-	-	-
Tower Type	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WY1-A	WB1-C
Erection Diagram	5453019	5453019	5453019	5453019	5453019	5453019	5453019	5453019	5453107	5453019
Tower Legs	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D
Legs or Extensions	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9
Grade of Stub A	2610.8	2607.9	2607.8	2607.8	2607.8	2608.2	2607.7	2607.7	2607.7	2607.7
Projection Less Than	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4
Soil Type	Group 4	Group 4	Group 4	Group 4	Group 4	Group 4	Group 4	Group 4	Group 4	Group 4
Footing Drawing	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934
Point of Support Elev.	2688.8	2685.9	2685.8	2685.8	2685.8	2686.2	2685.7	2685.7	2686.7	2685.7
Insulation - Conductor	Susp	Susp	Susp	Susp	Susp	Susp	Susp	Susp	DE	Susp
Insulation - GW / OPGW	- Susp	- Susp	- Susp	- Susp	- Susp	- Susp	- Susp	- Susp	- DE	- Susp
Drawing N-4592 Sht No.	1	1	1	1	1	1	1	1	2	1
OPGW Splice									SPLICE	
Span Length	1026	1026	1026	1026	1026	1036	1016	1026	1027	1025
Profile	725646 SH.3	725646 SH.4					725646 SH.5			
Cond. & Catenary	2B - 1,590 KCM ACSR 45/7 "LAPWING"									
See M-61149 for Loading	C@60°F (IC) = 4792									
OPGW & Catenary	AFL S1-91/61/668									
See M-61149 for Loading	C@60°F (IC) = 5290									
OHGW & Catenary	NONE									
See M-61149 for Loading	NONE									
Crossings										
Remarks										
Reference Drawings	M-60204	MASTER DWG LIST, CKT #1	M-61149	DESIGN BASIS						
	725645	GENERAL ARRANGEMENT	N-4598	H-FRAME STAKING DIAGRAM						
	5455937	H-FRAME LOADING	M-60221	DATA SHEETS, CKT #2						
ELDORADO A B D C Lt. Rt. IVANPAH 1 MOVED STRUCTURE 184 12-28-12 CS 0 ISSUED FOR CONSTRUCTION No Revisions Date Approved OK Check Made Location ELDORADO-IVANPAH NO. 1 220-KV T/L TOWER DATA SHEET Sheet 3 of 22 Southern California Edison										

PEI SUBMITTAL DATE: 12-20-2012

Construction No.	184	183	182	181	180	179	178	177	176	175	
Mile & Tower	M5-T4	M5-T5	M6-T1	M6-T2	M6-T3	M6-T4	M6-T5	M6-T6	M7-T1	M7-T2	
Station	295+86	307+74	318+08	328+43	338+59	347+79	357+13	366+44	376+94	385+87	
Elevation @ Hub	2605.9	2606.1	2607.6	2613.2	2618.9	2623.0	2634.9	2640.6	2648.7	2655.0	
Line Angle	-	-	-	-	-	-	-	-	-	-	
Tower Type	WB2-C	WB2-C	WY2-A	WB2-C	WB2-C	WB1-C	WB2-C	WB2-C	WB2-C	WB1-C	
Erection Diagram	5453019	5453019	5453107	5453019	5453019	5453019	5453019	5453019	5453019	5453019	
Tower Legs	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	
Legs or Extensions	+12 +12 +12 +12	+3 +3 +3 +3	+3 +3 +3 +3	+0 +0 +0 +0	-3 -3 -3 -3	+12 +12 +12 +12	-6 -6 -6 -6	+3 +3 +3 +3	+3 +3 +3 +3	+3 +3 +3 +3	+3 +3 +3 +3
Grade of Stub A	2607.9	2608.4	2609.5	2617.1	2620.1	2624.3	2636.0	2642.4	2650.5	2656.2	
Projection Less Than	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	
Soil Type	Group 4	Group 1	Group 1	Group 1	Group 1	Group 2	Group 2	Group 2	Group 2	Group 2	
Footing Drawing	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934	
Point of Support Elev.	2706.9	2698.4	2700.5	2704.1	2704.1	2705.3	2717.0	2732.4	2740.5	2728.2	
Insulation - Conductor	Susp	Susp	DE	Susp	Susp	Susp	Susp	Susp	Susp	Susp	
Insulation - GW / OPGW	- Susp	- Susp	- DE	- Susp	- Susp	- Susp	- Susp	- Susp	- Susp	- Susp	
Drawing N-4592 Sht No.	1	1	2	1	1	1	1	1	1	1	
OPGW Splice			SPLICE								
Span Length	863	1188	1034	1035	1016	921	934	931	1049	893	
Profile	725646 SH.5										
Cond. & Catenary	2B - 1,590 KCM ACSR 45/7 "LAPWING"										
See M-61149 for Loading	C@60°F (IC) = 4729					C@60°F (IC) = 4844					
OPGW & Catenary	AFL S1-91/61/668										
See M-61149 for Loading	C@60°F (IC) = 5279					C@60°F (IC) = 5314					
OHWG & Catenary	NONE										
See M-61149 for Loading	NONE										
Crossings	INTERSTATE 15		STATE LINE				DESERT ARENA DR		E PRIMM BLVD		
Remarks			LOTTO STORE RD								
Reference Drawings	M-60204	MASTER DWG LIST, CKT #1	M-61149	DESIGN BASIS							
	725645	GENERAL ARRANGEMENT	N-4598	H-FRAME STAKING DIAGRAM							
	5455937	H-FRAME LOADING	M-60221	DATA SHEETS, CKT #2							
EL DORADO IVANPAH		Location EL DORADO-IVANPAH NO. 1 220-KV T/L TOWER DATA SHEET Sheet 4 of 22 Southern California Edison				1 MOVED STRUCTURE 184 0 ISSUED FOR CONSTRUCTION No Revisions		Date Approved OK Check Made			

M-60205-1

PEI SUBMITTAL DATE: 10-11-2012

Construction No.	174	173	172	171	170	169	168	167B	165B		
Mile & Tower	M7-T3	M7-T4	M7-T5	M8-T1	M8-T2	M8-T3	M8-T4	M8-T5B	M8-T7B		
Station	395+15	404+96	413+73	423+41	433+73	444+14	454+12	460+15	464+59		
Elevation @ Hub	2659.2	2663.1	2672.2	2675.6	2679.3	2683.5	2682.3	2684.5	2681.2		
Line Angle	-	-	-	-	-	-	2°38'42"RT	13°38'25"LT	16°47'46"LT		
Tower Type	WB1-C	WB1-C	WB1-C	WB2-C	WB1-C	WB1-C	WY1-A	H-FRAME, 60FT	H-FRAME, 55FT		
Erection Diagram	5453019	5453019	5453019	5453019	5453019	5453019	5453107	TBD (STD.)	TBD (STD.)		
Tower Legs	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	1 2	1 2		
Legs or Extensions	+3 +3 +3 +3	+6 +6 +6 +6	+6 +6 +6 +6	+6 +6 +6 +6	+15 +15 +15 +15	+12 +12 +12 +12	+3 +3 +3 +3	N/A	N/A		
Grade of Stub A	2661.6	2664.9	2673.7	2676.1	2680.5	2685.5	2684.2	2686.4	2683.5		
Projection Less Than	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	2 2	2 2		
Soil Type	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2		
Footing Drawing	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455935	5455935		
Point of Support Elev.	2733.6	2739.9	2748.7	2769.1	2764.5	2766.5	2757.2	2734.4	2726.5		
Insulation - Conductor	Susp	Susp	Susp	Susp	Susp	Susp	DE	DE	DE		
Insulation - GW / OPGW	- Susp	- Susp	- Susp	- Susp	- Susp	- Susp	DE DE	DE -	DE -		
Drawing N-4592 Sht No.	1	1	1	1	1	1	6	11	11		
OPGW Splice											
Span Length	929	980	877	968	1033	1040	999	603	443		
Profile	725646 SH.6	725646 SH.7					725646 SH.8				
Cond. & Catenary	2B - 1,590 KCM ACSR 45/7 "LAPWING"										
See M-61149 for Loading	C@60°F (IC) = 4844										
OPGW & Catenary	AFL S1-91/61/668										
See M-61149 for Loading	C@60°F (IC) = 5314										
OHGW & Catenary	1/2" EHS 7 STRAND OHGW										
See M-61149 for Loading	NONE										
Crossings	RD										
Remarks											
Reference Drawings	M-60204	MASTER DWG LIST, CKT #1		M-61149	DESIGN BASIS						
	725645	GENERAL ARRANGEMENT		N-4598	H-FRAME STAKING DIAGRAM						
	5455937	H-FRAME LOADING		M-60221	DATA SHEETS, CKT #2						

ELDORADO

IVANPAH

1	REVISED 9-6 AND 166-163	DR 12	DR	BF/POWER
0	ISSUED FOR CONSTRUCTION			MG/POWER
No	Revisions	Date	Approved	OK
			Check	Made

Location
ELDORADO-IVANPAH NO. 1 220-KV T/L

TOWER DATA SHEET

Sheet 5 of 22

Southern California Edison

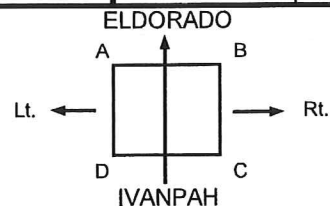
M-60205-1

Construction No.	164B	163	162	161	160B	159B	158B	157B	156	155
Mile & Tower	M8-T8B	M9-T1	M9-T2	M9-T3	M9-T4B	M9-T5B	M9-T6B	M9-T7B	M9-T8	M9-T9
Station	470+81	477+81	485+56	493+77	500+20	504+07	508+75	511+35	515+52	525+69
Elevation @ Hub	2674.4	2678.7	2678.9	2679.8	2673.8	2667.6	2664.1	2664.8	2660.1	2650.7
Line Angle	66°38'50"RT	19°34'04"LT	-	19°35'25"LT	25°32'12"LT	28°13'31"RT	42°28'06"RT	58°29'17"LT	11°52'21"RT	-
Tower Type	H-FRAME, 55FT	WY1-B	WB1-C	WY1-B	H-FRAME, 60FT	H-FRAME, 60FT	H-FRAME, 50FT	H-FRAME, 50FT	WY1-A	WB1-C
Erection Diagram	TBD (STD.)	5453107	5453019	5453107	TBD (STD.)	TBD (STD.)	TBD (STD.)	TBD (STD.)	5453107	5453019
Tower Legs	1 2	A B C D	A B C D	A B C D	1 2	1 2	1 2	1 2	A B C D	A B C D
Legs or Extensions	N/A	+12 +12 +12 +12	+6 +6 +6 +6	+6 +6 +6 +6	N/A	N/A	N/A	N/A	+0 +0 +0 +0	+12 +12 +12 +12
Grade of Stub A	2676.2	2680.2	2680.8	2681.3	2675.6	2669.0	2665.8	2666.4	2661.2	2651.9
Projection Less Than	2 2	4 4 4 4	4 4 4 4	4 4 4 4	2 2	2 2	2 2	2 2	4 4 4 4	4 4 4 4
Soil Type	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 1
Footing Drawing	5455935	5455934	5455934	5455934	5455935	5455935	5455935	5455935	5455934	5455934
Point of Support Elev.	2719.2	2762.2	2755.8	2757.3	2723.6	2717.0	2703.8	2704.4	2731.2	2732.9
Insulation - Conductor	DE	DE	Susp	DE	DE	DE	DE	DE	DE	Susp
Insulation - GW / OPGW	DE -	DE DE	- Susp	DE DE	DE -	DE -	DE -	DE -	DE DE	- Susp
Drawing N-4592 Sht No.	12	7	1	7	11	11	11	12	6	1
OPGW Splice										

Span Length	381	700	775	821	643	386	469	259	417	1018
Profile	725646 SH.8				725646 SH.9					
Cond. & Catenary	2B - 1,590 KCM ACSR 45/7 "LAPWING"									
See M-61149 for Loading	C@60°F (IC) = 2256	C@60°F (IC) = 4780	C@60°F (IC) = 4851		C@60°F (IC) = 2088	C@60°F (IC) = 2251	C@60°F (IC) = 3923	C@60°F (IC) = 2521	C@60°F (IC) = 2204	C@60°F (IC) = 4868
OPGW & Catenary	AFL S1-91/61/668									
See M-61149 for Loading	NONE	NONE	C@60°F (IC) = 5443		NONE	NONE	NONE	NONE	NONE	C@60°F (IC) = 5308
OHGW & Catenary	1/2" EHS 7 STRAND OHGW									
See M-61149 for Loading	C@60°F (IC) = 2498	C@60°F (IC) = 3997	NONE		C@60°F (IC) = 2499	C@60°F (IC) = 2499	C@60°F (IC) = 3750	NONE	C@60°F (IC) = 2499	NONE
Crossings	TRANS X-ING	TRANS X-ING		DIRT RD		TRANS X-ING	TRANS X-ING	TRANS X-ING		
	DIRT RD	DIRT RD				DIRT RD	DIRT RD	DIRT RD		
Remarks										

Cond. - Dampers - GW
N-4597

Reference Drawings	M-60204	MASTER DWG LIST, CKT #1	M-61149	DESIGN BASIS						
	725645	GENERAL ARRANGEMENT	N-4598	H-FRAME STAKING DIAGRAM						
	5455937	H-FRAME LOADING	M-60221	DATA SHEETS, CKT #2						



Location
ELDORADO-IVANPAH NO. 1 220-KV T/L

TOWER DATA SHEET

Sheet 6 of 22

Southern California Edison

M-60205-0

0	ISSUED FOR CONSTRUCTION	6/7/12	C.I.N.		OR	MG/POWER
No	Revisions	Date	Approved	OK	Check	Made

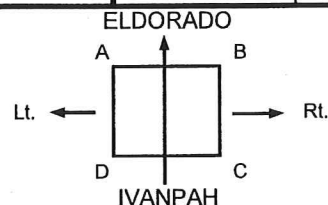
Construction No.	154	153	152	151	150	149	148	147	146	145
Mile & Tower	M10-T1	M10-T2	M10-T3	M10-T4	M10-T5	M11-T1	M11-T2	M11-T3	M11-T4	M11-T5
Station	535+34	545+25	555+17	565+08	574+99	584+90	594+81	604+73	614+76	624+82
Elevation @ Hub	2643.2	2635.9	2630.5	2624.4	2619.1	2615.8	2616.2	2618.9	2623.8	2627.8
Line Angle	-	-	-	-	-	-	-	-	-	-
Tower Type	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C
Erection Diagram	5453019	5453019	5453019	5453019	5453019	5453019	5453019	5453019	5453019	5453019
Tower Legs	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D
Legs or Extensions	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9
Grade of Stub A	2644.4	2637.7	2631.6	2624.8	2619.9	2616.8	2617.4	2619.8	2624.8	2628.6
Projection Less Than	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4
Soil Type	Group 1	Group 1	Group 1	Group 1	Group 1	Group 4	Group 4	Group 4	Group 2	Group 2
Footing Drawing	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934
Point of Support Elev.	2722.4	2715.7	2709.6	2702.8	2697.9	2694.8	2695.4	2697.8	2702.8	2706.6
Insulation - Conductor	Susp	Susp	Susp	Susp	Susp	Susp	Susp	Susp	Susp	Susp
Insulation - GW / OPGW	- Susp	- Susp	- Susp	- Susp	- Susp	- DE	- Susp	- Susp	- Susp	- Susp
Drawing N-4592 Sht No.	1	1	1	1	1	10	1	1	1	1
OPGW Splice						SPLICE				

Span Length	965	991	991	991	991	991	991	991	1004	1006
Profile	725646 SH.10							725646 SH.11		
Cond. & Catenary	2B - 1,590 KCM ACSR 45/7 "LAPWING"									
See M-61149 for Loading	C@60°F (IC) = 4868									
OPGW & Catenary	AFL S1-91/61/668									
See M-61149 for Loading	C@60°F (IC) = 5308					C@60°F (IC) = 5336				
OHGW & Catenary	NONE									
See M-61149 for Loading										
Crossings										
Remarks										

Cond. - Dampers - GW
N-4597

Cond. - Dampers - GW
N-4597

Reference Drawings	M-60204	MASTER DWG LIST, CKT #1	M-61149	DESIGN BASIS						
	725645	GENERAL ARRANGEMENT	N-4598	H-FRAME STAKING DIAGRAM						
	5455937	H-FRAME LOADING	M-60221	DATA SHEETS, CKT #2						



Location	ELDORADO-IVANPAH NO. 1 220-KV T/L
TOWER DATA SHEET	
Sheet 7 of 22	
Southern California Edison	

No	ISSUED FOR CONSTRUCTION	6/7/12	CJS	OK	Check	Made
Revisions		Date	Approved	OK	Check	Made

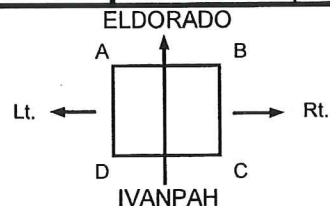
M-60205-0

Construction No.	144	143	142	141	140	139	138	137	136	135
Mile & Tower	M12-T1	M12-T2	M12-T3	M12-T4	M12-T5	M12-T6	M13-T1	M13-T2	M13-T3	M13-T4
Station	634+87	644+98	655+12	664+94	674+11	682+71	691+38	700+08	708+62	717+03
Elevation @ Hub	2632.4	2636.7	2642.2	2652.7	2663.2	2681.4	2705.6	2729.4	2755.2	2785.7
Line Angle	-	-	-	-	-	-	-	-	-	-
Tower Type	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C	WB1-C
Erection Diagram	5453019	5453019	5453019	5453019	5453019	5453019	5453019	5453019	5453019	5453019
Tower Legs	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D	A B C D
Legs or Extensions	+9 +9 +9 +9	+9 +9 +9 +9	+9 +9 +9 +9	+6 +6 +6 +6	-3 -3 -3 -3	-3 -3 -3 -3	+0 +0 +0 +0	-3 -3 -3 -3	-6 -6 -6 -6	-3 -3 -3 -3
Grade of Stub A	2633.7	2637.3	2643.0	2654.6	2664.8	2683.0	2706.9	2731.5	2757.8	2787.0
Projection Less Than	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4	4 4 4 4
Soil Type	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2	Group 2
Footings Drawing	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934	5455934
Point of Support Elev.	2711.7	2715.3	2721.0	2729.6	2730.8	2749.0	2775.9	2797.5	2820.8	2853.0
Insulation - Conductor	Susp	Susp	Susp	Susp	Susp	Susp	Susp	Susp	Susp	Susp
Insulation - GW / OPGW	- Susp	- Susp	- Susp	- Susp	- Susp	- Susp	- Susp	- Susp	- Susp	- Susp
Drawing N-4592 Sht No.	1	1	1	1	1	1	1	1	1	1
OPGW Splice										

Span Length	1005	1011	1014	981	918	860	866	870	854	841
Profile	725646 SH.11				725646 SH.12					
Cond. & Catenary	2B - 1,590 KCM ACSR 45/7 "LAPWING"									
See M-61149 for Loading	C@60°F (IC) = 4868									
OPGW & Catenary	AFL S1-91/61/668									
See M-61149 for Loading	C@60°F (IC) =5336									
OHGW & Catenary	NONE									
See M-61149 for Loading										
Crossings										
Remarks										

Cond. - Dampers - GW
N-4597

Reference Drawings	M-60204	MASTER DWG LIST, CKT #1	M-61149	DESIGN BASIS			
	725645	GENERAL ARRANGEMENT	N-4598	H-FRAME STAKING DIAGRAM			
	5455937	H-FRAME LOADING	M-60221	DATA SHEETS, CKT #2			



0	ISSUED FOR CONSTRUCTION	6/7/12	CJN	OR	MG/POWER	
No	Revisions	Date	Approved	OK	Check	Made

Location	ELDORADO-IVANPAH NO. 1 220-KV T/L
TOWER DATA SHEET	
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Southern California Edison	

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