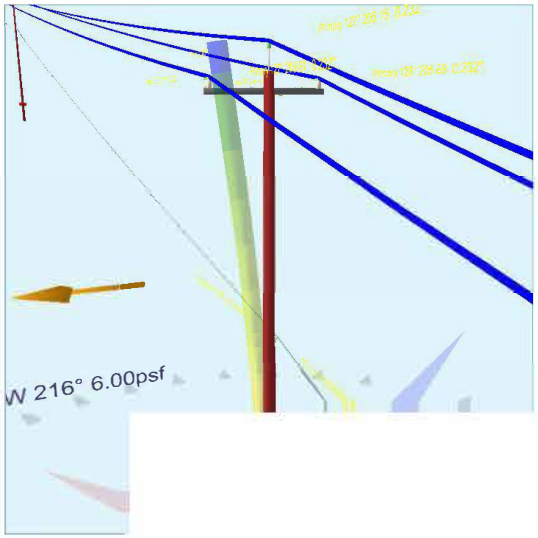
SAP Equip ID:	**TBA**	Pole Length / Class:	**45 / 3**	Code:	**GO 95**	Structure Type:	**Unguyed Tangent**
PM Order Number	**35394298**	Species:	**DOUGLAS FIR**	GO 95 Rule:	**At Installation (New)**	Pole Strength Factor:	**0.25**
Estimator LAN ID	**D5AU**	Setting Depth (ft):	**7.5**	Construction Grade:	**A**	Transverse Wind LF:	**1.00**
Sketch Location	**LOC_1**	G/L Circumference (in):	**39.90**	Loading District:	**Heavy**	Wire Tension LF:	**1.00**
Joint Pole Number	**PG235456HM**	G/L Fiber Stress (psi):	**7,600**	Ice Thickness (in):	**0.50**	Vertical LF:	**1.00**
Notification	**121536226**	Allowable Stress (psi):	**1,828**	Wind Speed (mph):	**48.41**	Pole Factor of Safety:	**4.66**
Aux Data 6	**Unset**	Fiber Stress Ht. Reduc:	**No**	Wind Pressure (psf):	**6.00**	Vertical Factor of Safety:	**32.26**
Latitude:	**39.52789**	Longitude:	**-121.01041**	Elevation:	**3536.63'**	Bending Factor of Safety:	**4.71**



Pole Capacity Utilization (%) **Crossarm allowance 300 lbs**		**Height (ft)**	**Wind Angle (deg)**
Maximum	**85.8**	0.0	216.3
Groundline	**85.8**	0.0	216.3
Vertical	**12.4**	23.8	216.3

Pole Moments (ft-lb) **Crossarm allowance 300 lbs**		**Load Angle (deg)**	**Wind Angle (deg)**
Max Cap Util	**26,045**	218.3	216.3
Groundline	**26,045**	218.3	216.3
GL Allowable	**30,654**		
Overturn	**67,000**		

Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 218.3°

	Shear Load* (lbs)	Applied Load (%)	Bending Moment (ft-lb)	Applied Moment (%)	Pole Capacity (%)	Bending Stress (+/- psi)	Vertical Load (lbs)	Vertical Stress (psi)	Total Stress (psi)	Pole Capacity (%)
Powers	450	49.7	**17,129**	65.8	**55.9**	**1,017**	462	4	**1,020**	**55.8**
Comms	255	28.1	**4,977**	19.1	**16.2**	**296**	185	1	**297**	**16.2**
Pole	194	21.4	**3,673**	14.1	**12.0**	**218**	1,332	11	**229**	**12.5**
Crossarms	1	0.1	**42**	0.2	**0.1**	**3**	34	0	**3**	**0.1**
Insulators	6	0.7	**224**	0.9	**0.7**	**13**	31	0	**14**	**0.7**
Pole Load	906	100.0	**26,045**	100.0	**85.0**	**1,546**	2,045	16	**1,562**	**85.4**
Pole Reserve Capacity			**4,609**		**15.0**	**282**			**266**	**14.6**

Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 218.3°

	Shear Load* (lbs)	Applied Load (%)	Bending Moment (ft-lb)	Applied Moment (%)	Pole Capacity (%)	Bending Stress (+/- psi)	Vertical Load (lbs)	Vertical Stress (psi)	Total Stress (psi)	Pole Capacity (%)
PG&E	457	50.4	**17,374**	66.7	**56.7**	**1,031**	518	4	**1,035**	**56.6**
Comm	256	28.2	**4,997**	19.2	**16.3**	**297**	194	2	**298**	**16.3**
Pole	194	21.4	**3,673**	14.1	**12.0**	**218**	1,332	11	**229**	**12.5**
Totals:	906	100.0	**26,045**	100.0	**85.0**	**1,546**	2,045	16	**1,562**	**85.4**

Detailed Load Components:

Power		Owner	Height (ft)	Horiz. Offset (in)	Cable Diameter (in)	Sag at Max Temp (ft)	Cable Weight (lbs/ft)	Lead/Span Length (ft)	Span Angle (deg)	Wire Length (ft)	Tension (lbs)	Tension Moment* (ft-lb)	Offset Moment* (ft-lb)	Wind Moment* (ft-lb)	Moment at GL* (ft-lb)
Primary	#4 (7) CU	PG&E	39.25	0.00	0.2316	2.17	0.129	205.2	127.2	205.2	635	-450	0	2,491	2,041
Primary	#4 (7) CU	PG&E	39.25	0.00	0.2316	2.20	0.129	209.2	305.5	209.2	635	1,223	0	2,538	3,761
Primary	#4 (7) CU	PG&E	37.15	44.39	0.2316	2.18	0.129	205.6	126.7	205.6	635	-651	649	2,363	2,361
Primary	#4 (7) CU	PG&E	37.15	44.39	0.2316	2.19	0.129	208.7	305.0	208.7	635	1,325	-84	2,395	3,635
Primary	#4 (7) CU	PG&E	37.15	44.39	0.2316	2.18	0.129	205.7	127.8	205.7	635	-193	-643	2,363	1,527
Primary	#4 (7) CU	PG&E	37.15	44.39	0.2316	2.19	0.129	208.8	305.0	208.8	635	1,325	83	2,395	3,803
											Totals:	**2,578**	**6**	**14,545**	**17,129**

Comm		Owner	Height (ft)	Horiz. Offset (in)	Cable Diameter (in)	Sag at Max Temp (ft)	Cable Weight (lbs/ft)	Lead/Span Length (ft)	Span Angle (deg)	Wire Length (ft)	Tension (lbs)	Tension Moment* (ft-lb)	Offset Moment* (ft-lb)	Wind Moment* (ft-lb)	Moment at GL* (ft-lb)
Overlashed Bundle	.75" Communication Bundle	Comm	20.00	7.59	0.2420	2.37	0.104	205.1	127.3	205.1	1,906	-674	-27	1,414	713
Telco	CU CABLE	Comm	19.97	7.59	0.5000		0.170	205.1	127.3	205.1			-30	383	353