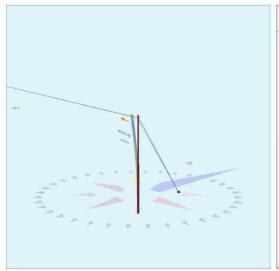
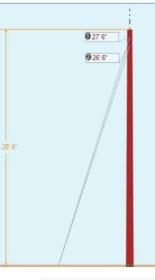




Pole Num:	0	Pole Length / Class:		35 / 5	Code:	HF	TD 2-3 Peak Wind	Structure Type:	Guyed Tangent
PM Order Number	35217268	Species:		OUGLAS FIR	GO 95 Rule:	At Insta	llation (New)	Pole Strength Factor:	0.50
Estimator LAN ID		Setting Depth	n (ft):	6.50	Construction (Grade:	В	Transverse Wind LF:	1.00
Sketch Location	LOC_105	G/L Circumfe	rence (in):	28.83	Loading Distri	ct:	Heavy	Wire Tension LF:	1.00
Joint Pole Number	Unset	G/L Fiber Str	ess (psi):	8,000	Ice Thickness	(in):	0.00	Vertical LF:	1.00
Notification	120047659	Allowable Str	ess (psi):	4,000	Wind Speed (mph):	90.00	Pole Factor of Safety:	6.17
Aux Data 6	Unset	Fiber Stress I	Ht. Reduc:	No	Wind Pressure	e (psf):	20.74	Vertical Factor of Safety:	12.35
Latitude:	39.911279 Deg	Longitude:	-12	21.326533 Deg	Elevation:	1971.999	936896 Feet	Bending Factor of Safety	6.84





Pole Capacity Util	ization (%)	Height (ft)	Wind Angle (deg)
Maximum	32.4	0.0	291.2
Groundline	32.4	0.0	291.2
Vertical	16.2	26.2	119.2

Pole Moments (ft-l	b)	Load Angle (deg)	Wind Angle (deg)
Max Cap Util	7,392	272.5	291.2
Groundline	7,392	272.5	291.2
GL Allowable	25,284		
Overturn	35,300		





Digitally signed by

Date: 2021.05.24

09:15:17 -07'00'

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²Worst Wind Per Guy Wire

³ Wind At 291.2°

Guy System Component Summary	uy System Component Summary							
Description	Lead Length (ft)	Lead Angle (deg)	Height (ft)	Nominal Capacity (%)	Wind Angle (deg)	Max* Load Capacity (%)	Wind Angle (deg)	
Anchor - 18M	15.0	28.0		59.5	291.2	60.9	210.0	
EHS 3/8 (Down)			27.5	69.7	291.2	71.0	210.0	
EHS 3/8 (Down)			26.5	69.4	291.2	71.4	210.0	
Anchor	60.0	208.0		44.9	291.2	44.9	0.0	
EHS 3/8 (Span/Head)			27.5	72.9	291.2	72.9	0.0	
	Adeq	uate	Adequate					

Groundline Load Summary	Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 272.5°													
	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 (%)				
GuyBraces	155	30.4	3,732	50.5	14.8	852	7,909	120	971	24.3				
Pole	355	69.6	3,660	49.5	14.5	835	548	8	843	21.1				
Pole Load	510	100.0	7,392	100.0	29.2	1,686	8,457	128	1,814	45.4				
Pole Reserve Capacity			17,892		70.8	2,314			2,186	54.6				

Load Summary by Owner	Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 272.5°													
Shear Applied Bending Applied Pole Bending Vertical Vertical Total Pole Capacity (lbs) (%) (ft-lb) (%) (%) (%) (+/- psi) (lbs) (psi) (psi) (%)														
PG&E	155	30.4	3,732	50.5	14.8	852	7,909	120	971	24.3				
Pole	355	69.6	3,660	49.5	14.5	835	548	8	843	21.1				
Totals:	510	100.0	7,392	100.0	29.2	1,686	8,457	128	1,814	45.4				

Guy Wire and Brace		Owner	Attach Height (ft)	End Height (ft)	Lead/Span Length (ft)	Wire Diameter (in)	Percent Solid (%)	Lead Angle (deg)	Incline Angle (deg)	Wire Weight (lbs/ft)	Rest Length (ft)	Stretch Length (in)
EHS 3/8	Down	PG&E	27.50	0.00	15.00	0.375	75.00	28.0	61.2	0.273	36.56	1.24
EHS 3/8	Down	PG&E	26.50	0.00	15.00	0.375	75.00	28.0	60.3	0.273	35.64	1.20
EHS 3/8	Span/Head	PG&E	27.50	44.33	60.00	0.375	75.00	208.0	-15.6	0.273	60.13	2.13

Guy Wire and Brace (Loads and Reactions)		Elastic Modulus (psi)	Rated Tensile Strength (lbs)	Guy Strength Factor	Allowable Tension (lbs)	Initial Tension (Ibs)	Loaded Tension* ² (lbs)	Maximum Tension² (lbs)	Applied Tension³ (lbs)	Vertical Load (lbs)	Shear Load In Guy Dir (Ibs)	Shear Load At Report Angle (lbs)	Moment at GL³ (ft-lb)
EHS 3/8	Down	2.30e+7	15,400	0.50	7,700	700	5,467	5,467	5,369	4,704	2,587	-1,115	-29,780
EHS 3/8	Down	2.30e+7	15,400	0.50	7,700	700	5,500	5,500	5,347	4,644	2,650	-1,142	-29,415
EHS 3/8	Span/Head	2.30e+7	15,400	0.50	7,700	700	5,616	5,616	5,616	-1,514	5,408	2,331	64,577
									Totals:	7,834	10,646	73	5,383

Anchor/Rod Load Summary	Owner	Rod Length AGL (in)	Lead Length (ft)	Lead Angle (deg)	Strength of Assembly (lbs)	Anchor/Rod Strength Factor	Allowable Load (lbs)	Max Load² (lbs)	Load at Pole MCU³ (lbs)	Max Required Capacity² (%)
Anchor - 18M	PG&E	6.00	15.00	28.0	36,000	0.50	18,000	10,967	10,716	60.9
Anchor	PG&E			208.0	25,000	0.50	12,500	5,616	5,616	44.9

Pole Buckli	ing												
Buckling Constant	Buckling Column Height* (ft)	Buckling Section Height (% Buckling Col. Hgt.)	Buckling Section Diameter (in)	Minimum Buckling Diameter at GL (in)	Diameter at Tip (in)	Diameter at GL (in)	Modulus of Elasticity (psi)	Pole Density (pcf)	Ice Density (pcf)	Pole Tip Height (ft)	Buckling Load Capacity at Height (lbs)	Buckling Load Applied at Height (Ibs)	Buckling Load Factor of Safety
0.71	26.21	34.70	8.18	5.82	6.05	9.18	2.38e+6	60.00	57.00	28.50	52,106	522.06	6.17

*Includes Load Factor(s)