

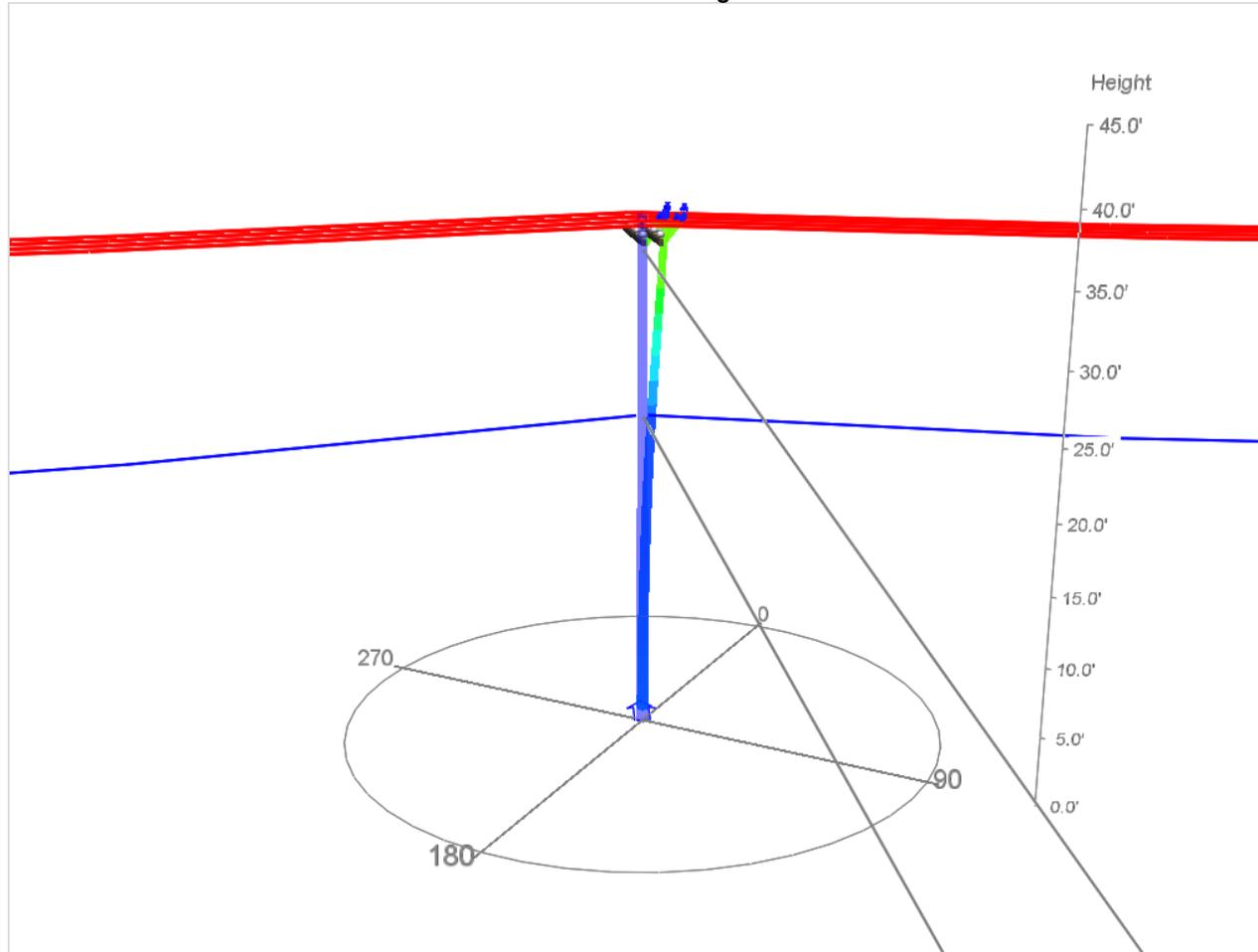
Location Properties

Technician:	Map Number:
Address:	Pole Tags:
City:	State:
County:	Zip Code:
Cross Street 1:	Cross Street 2:
Remedy:	Summary Notes:
Comments:	

Location Analysis Summary

Layer	Pole Length/Class	Minimum Safety Factor						Pole Strength Remaining	Loading Adjusted by Strength?	Clearance Violations Present?
		Pole	Guy	Anchor	Cross Arm	Insulator	Sidewalk Brace			
As Designed	45/3	4.98 from stress at 36' 1"	4.95 (SpanGuy#1)	No Data	No Data	No Data	No Data	100%	Y	N

Theoretical: As Designed



Analysis Results

Component	New, 12 lb, Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	4.98 from stress at 36' 1"	1527 / 7600 lb/in ²	330 °	7600 lb/in ²
SpanGuy#1	4.95	3114 / 15400 lbf	330 °	15400 lbf
SpanGuy#2	18.74	355 / 6650 lbf	330 °	6650 lbf

Wire End Points and Wires

WEP#1											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	None	294'	53 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade A	
Wire#4	336.4 ACSR Tree Wire	SCE	Primary	Light Full	38' 1"	0' 0"	1	1773 lbf*	Dynamic	2806.74 lbf**	4' 5"***
Wire#5	336.4 ACSR Tree Wire	SCE	Primary	Light Full	38' 1"	0' 0"	1	1773 lbf*	Dynamic	2790.98 lbf**	4' 5"***
Wire#7	336.4 ACSR Tree Wire	SCE	Primary	Light Full	38' 1"	0' 0"	1	1773 lbf*	Dynamic	2845.47 lbf**	4' 4"***
Wire#8	336.4 ACSR Tree Wire	SCE	Primary	Light Full	38' 1"	0' 0"	1	1773 lbf*	Dynamic	2830.34 lbf**	4' 5"***
Wire#10	1.5" CATV 1/4" Messenger	Unknown	Communication	Light Full	24' 0"	0' 0"	1	1096 lbf*	Dynamic	1956.49 lbf**	9' 2"***

WEP#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Previous Pole	None	293'	240 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade A	
Wire#1	336.4 ACSR Tree Wire	SCE	Primary	Light Full	38' 1"	0' 0"	1	1773 lbf*	Dynamic	2858.95 lbf**	4' 4"***
Wire#2	336.4 ACSR Tree Wire	SCE	Primary	Light Full	38' 1"	0' 0"	1	1773 lbf*	Dynamic	2844.06 lbf**	4' 5"***
Wire#3	336.4 ACSR Tree Wire	SCE	Primary	Light Full	38' 1"	0' 0"	1	1773 lbf*	Dynamic	2820.87 lbf**	4' 5"***
Wire#6	336.4 ACSR Tree Wire	SCE	Primary	Light Full	38' 1"	0' 0"	1	1773 lbf*	Dynamic	2805.65 lbf**	4' 5"***
Wire#9	1.5" CATV 1/4" Messenger	Unknown	Communication	Light Full	24' 0"	0' 0"	1	1096 lbf*	Dynamic	1974.34 lbf**	9' 2"***

WEP#3											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Other Pole	None	95'	145 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Height	Midspan	Height @ WEP	New, 12 lb, Grade A					
SpanGuy#1	3/8" EHS	SCE	36' 0"	35' 0"	29' 0"	964.29 lbf†	1.69 lbf**				
SpanGuy#2	1/4" EHS	Unknown	24' 0"	23' 0"	22' 3"	70.65 lbf†	0.92 lbf**				

* Tension value used in an analysis may vary dependent on 'Average Length on Main Span' setting in the Load Case.
 ** Tension value is inclusive of environmental and load factors associated with the Load Case.
 *** Sag value is inclusive of environmental and load factors associated with the Load Case.
 † Pretension values are calculated at 60 °F (15.5 °C) and without load factors.

Cross Arms							
ID	Size	Height	Association	Direction	Offset	Insulators	
CrossArm#1	10 Foot Double Cross Arm	37' 0"	Other	145 °	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4	

Insulators				
ID	Size	Direction	Offset	Wires
Insulator#1	16 kV Pin (Cross Arm)	240 °	0' 4"	Wire#1, Wire#5
Insulator#2	16 kV Pin (Cross Arm)	240 °	9' 8"	Wire#6, Wire#7
Insulator#3	16 kV Pin (Cross Arm)	240 °	3' 5"	Wire#2, Wire#4
Insulator#4	16 kV Pin (Cross Arm)	240 °	6' 7"	Wire#3, Wire#8



Location 1774752E Location Forms

SAP <ul style="list-style-type: none">• Field Inspection Date: 05/17/2021• High Fire: Extreme• Special Project: No• Associated Poles:• Visible Damage: No• Pole Type: ED• District: --• Region: --• Above 3000 Ft Elevation: --• As Designed Work Type: Replace• Access Notes:
Pole Info Form <ul style="list-style-type: none">• Pole Equipment #:• Previous Inspection Date:• Year Installed:• As Is POA Height:• As Is POA Diameter:• As Designed POA Height:• As Designed POA Diameter:• Thomas Guide/Quadrant:• Circuit:• Substation:• FIM:• Location:• City:• Brand Height:• Date Pole Load Performed:• Comments:• GPS Location: N/A
QC Comments <ul style="list-style-type: none">• QC Comments: