

Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

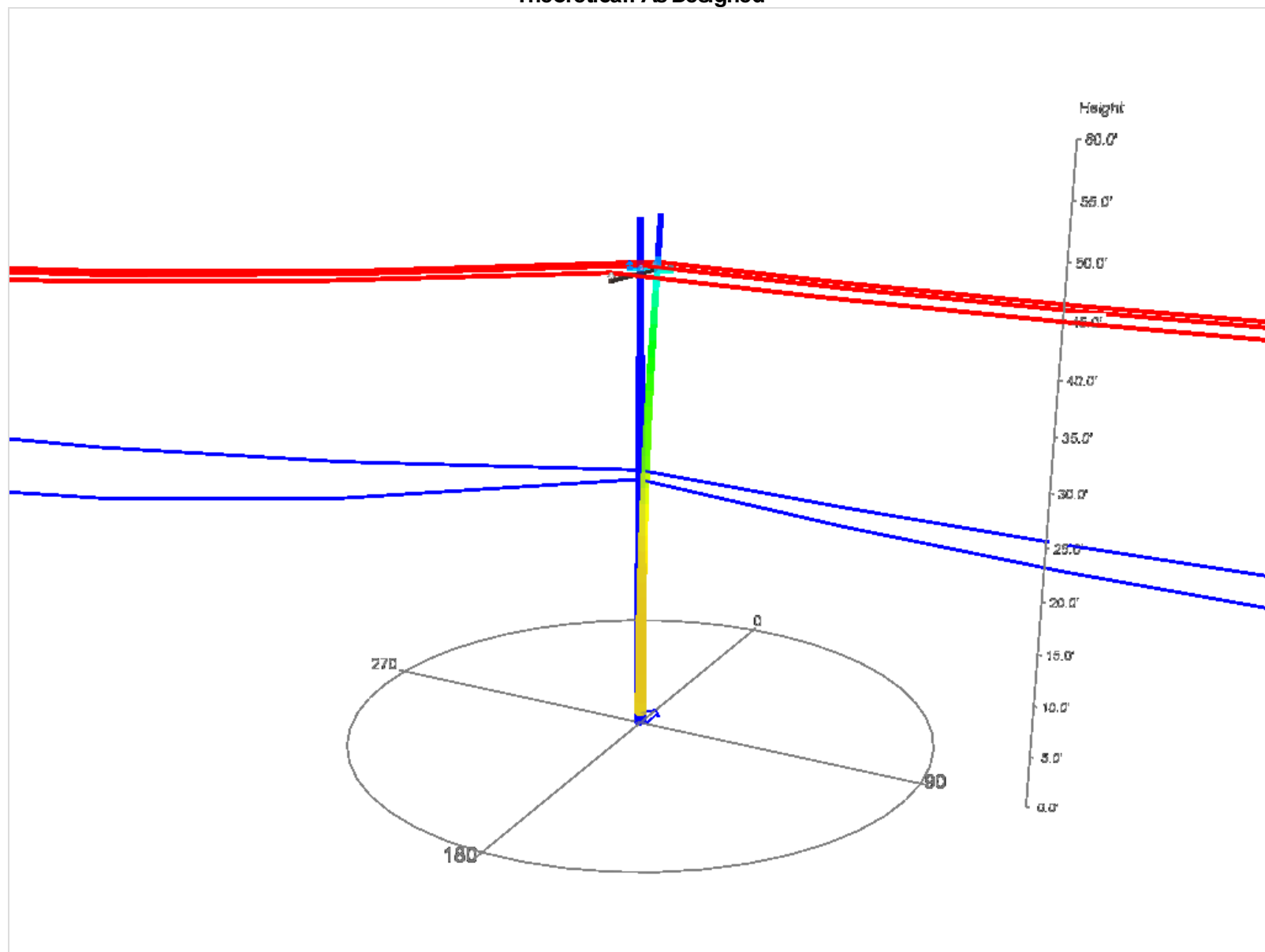
Cross Street 2:

Summary Notes:

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	60/2	3.26 from stress at 6' 7"	No Data	No Data	No Data	No Data	No Data	100%	Y	N

Theoretical: As Designed



Analysis Results

Loading

Component	In Service, Heavy, 6 lb, Grade A (Governing Case)			In Service, 12 lb, Grade A			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	3.26 from stress at 6' 7"	1842 / 6000 lb/in ²	0 °	2.82 from stress at 3' 3"	2125 / 6000 lb/in ²	0 °	6000 lb/in ²

Wire End Points and Wires

WEP#1													
Type	Environment		Distance		Direction		GPS Point		Inclination	Measured Between		Measured to Ground	
Next Pole	None		165'		89 °		Undefined.		0 °	N/A		N/A	
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade A		In Service, 12 lb, Grade A	
										Tension	Sag	Tension	Sag
Wire#1	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	47' 3"	0' 0"	1	891 lbf*	Dynamic	2880.68 lbf**	2' 2"***	1747.1 lbf**	2' 3"***
Wire#4	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	47' 3"	0' 0"	1	891 lbf*	Dynamic	2924.38 lbf**	2' 1"***	1769.84 lbf**	2' 3"***
Wire#5	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	47' 3"	0' 0"	1	891 lbf*	Dynamic	2923.56 lbf**	2' 1"***	1783.97 lbf**	2' 3"***
Wire#7	1.5" CATV 1/4" Messenger	Unknown	Communication	Heavy Full	27' 2"	0' 0"	1	1038 lbf*	Dynamic	2163.17 lbf**	3' 9"***	1684.27 lbf**	3' 5"***
Wire#10	2" TELCO 5/16" Messenger	Unknown	Communication	Heavy Full	26' 2"	0' 0"	1	1392 lbf*	Dynamic	2523.78 lbf**	5' 0"***	1886.94 lbf**	4' 10"***

WEP#2													
Type	Environment		Distance		Direction		GPS Point		Inclination	Measured Between		Measured to Ground	
Previous Pole	None		290'		269 °		Undefined.		0 °	N/A		N/A	
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade A		In Service, 12 lb, Grade A	
										Tension	Sag	Tension	Sag
Wire#2	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	47' 3"	0' 0"	1	892 lbf*	Dynamic	2859.78 lbf**	6' 8"***	1739.94 lbf**	7' 0"***
Wire#3	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	47' 3"	0' 0"	1	892 lbf*	Dynamic	2860.43 lbf**	6' 8"***	1737.25 lbf**	7' 0"***
Wire#6	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	47' 3"	0' 0"	1	892 lbf*	Dynamic	2873.36 lbf**	6' 8"***	1746.33 lbf**	7' 0"***
Wire#8	1.5" CATV 1/4" Messenger	Unknown	Communication	Heavy Full	27' 2"	0' 0"	1	1034 lbf*	Dynamic	2474.61 lbf**	10' 0"***	1884.28 lbf**	9' 4"***
Wire#9	2" TELCO 5/16" Messenger	Unknown	Communication	Heavy Full	26' 2"	0' 0"	1	1284 lbf*	Dynamic	2580.14 lbf**	15' 1"***	1910.99 lbf**	14' 11"***

*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.

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Cross Arm	46' 6"	Other	359 °	5' 0"	Insulator#1, Insulator#2, Insulator#3

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	12 kV Pin (Cross Arm)	89 °	0' 4"	Wire#1, Wire#6
Insulator#2	12 kV Pin (Cross Arm)	89 °	9' 8"	Wire#5, Wire#3
Insulator#3	12 kV Pin (Cross Arm)	89 °	3' 5"	Wire#4, Wire#2

Location 827867E Location Forms

SAP

- Field Inspection Date: 04/29/2020
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: --
- Region: --
- Above 3000 Ft Elevation: Yes
- As Designed Work Type: Existing
- Access Notes:

Pole Info Form

- 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

- QC Comments: