

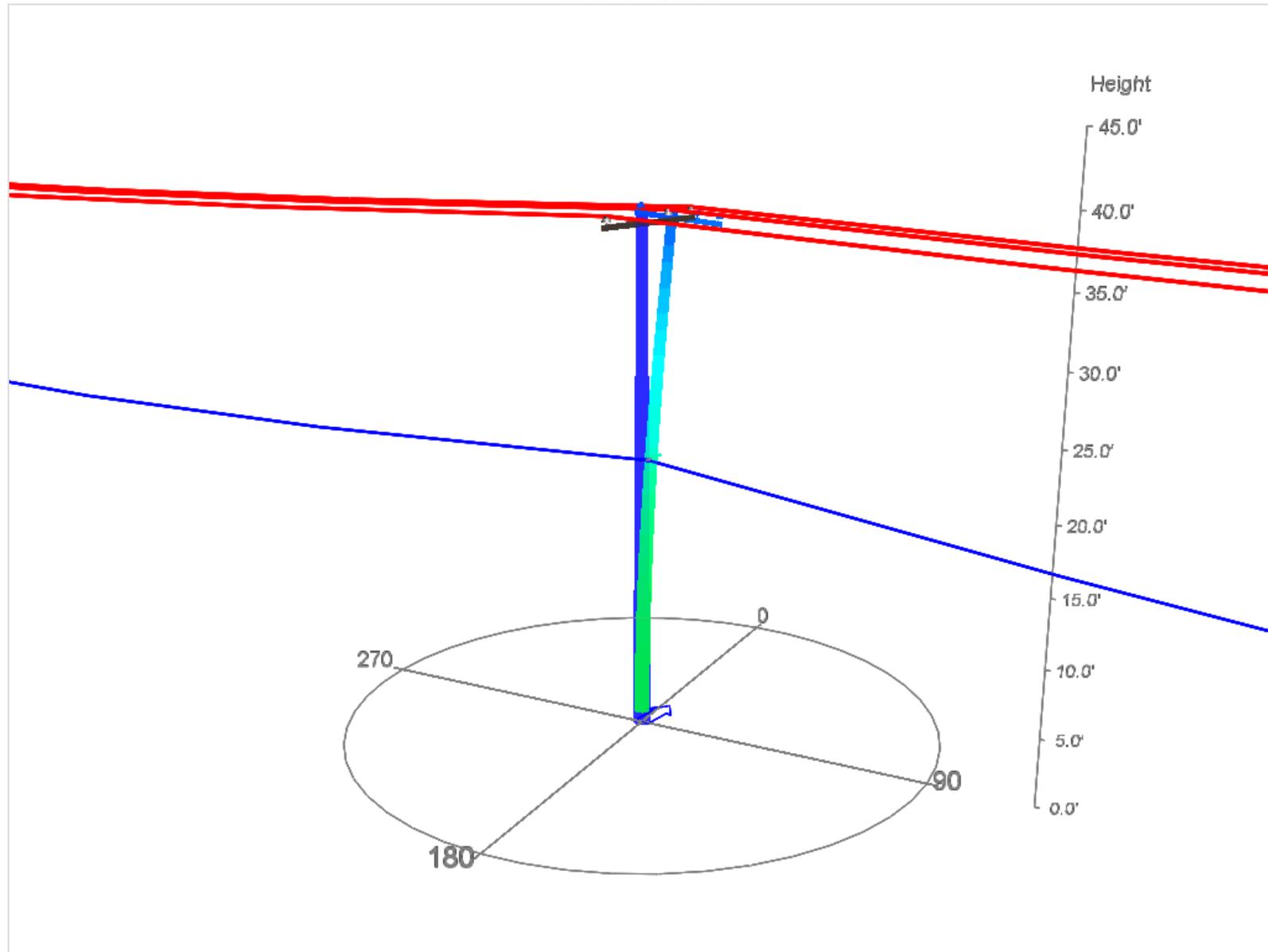
**Location Properties**

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 Is	45/H2	4.52 from stress at 3' 3"	No Data	No Data	No Data	No Data	No Data	100%	Y	N
As Designed	45/H2	4.36 from stress at 3' 3"	No Data	No Data	No Data	No Data	No Data	100%	Y	N

Measured: As Is



Analysis Results

Loading

Component	In Service, 18 lb, Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	4.52 from stress at 3' 3"	1772 / 8000 lb/in <sup>2</sup>	10 °	8000 lb/in <sup>2</sup>

### Wire End Points and Wires

WEP#2										
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground			
Next Pole	None	252'	101 °	Undefined.	0 °	N/A	N/A			
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, 18 lb, Grade A
										Tension Sag
Wire#1	336.4 ACSR Merlin	SCE	Primary	Light Full	38' 9"	0' 0"	1	1284 lbf*	Dynamic	2606.37 lbf** 3' 4****
Wire#3	336.4 ACSR Merlin	SCE	Primary	Light Full	38' 9"	0' 0"	1	1284 lbf*	Dynamic	2632.69 lbf** 3' 3****
Wire#5	336.4 ACSR Merlin	SCE	Primary	Light Full	38' 9"	0' 0"	1	1284 lbf*	Dynamic	2624.69 lbf** 3' 4****
Wire#7	1.5" TELCO 5/16" Messenger	Unknown	Communication	Light Full	20' 10"	0' 0"	1	1843 lbf*	Dynamic	3117.15 lbf** 6' 5****

WEP#1										
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground			
Previous Pole	None	295'	281 °	Undefined.	0 °	N/A	N/A			
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, 18 lb, Grade A
										Tension Sag
Wire#2	336.4 ACSR Merlin	SCE	Primary	Light Full	38' 9"	0' 0"	1	1314 lbf*	Dynamic	2634.44 lbf** 4' 6****
Wire#4	336.4 ACSR Merlin	SCE	Primary	Light Full	38' 9"	0' 0"	1	1314 lbf*	Dynamic	2615.54 lbf** 4' 6****
Wire#6	336.4 ACSR Merlin	SCE	Primary	Light Full	38' 9"	0' 0"	1	1314 lbf*	Dynamic	2620.79 lbf** 4' 6****
Wire#8	1.5" TELCO 5/16" Messenger	Unknown	Communication	Light Full	20' 10"	0' 0"	1	1846 lbf*	Dynamic	3222.66 lbf** 8' 6****

\*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.

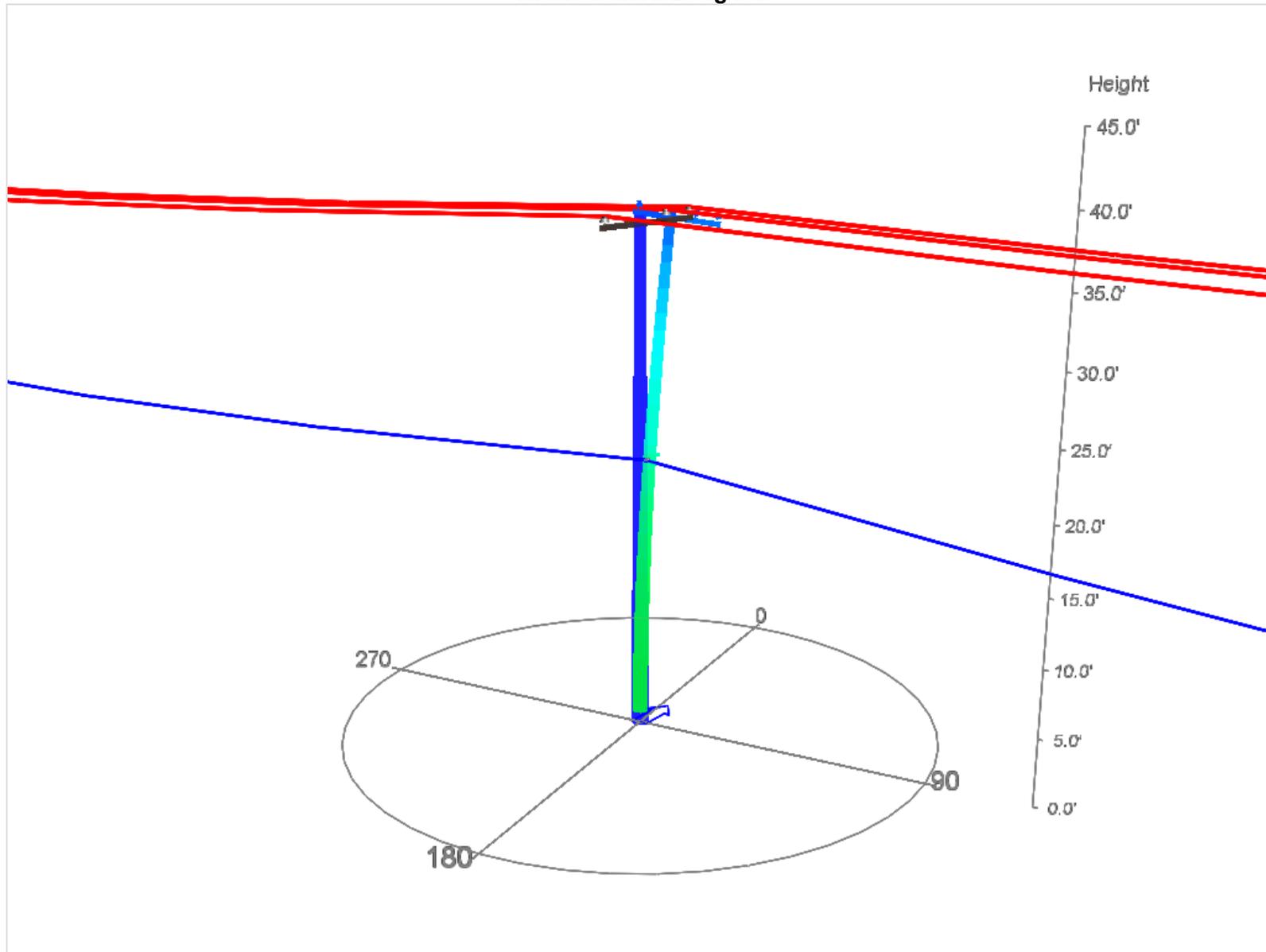
#### Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Cross Arm	38' 0"	Other	192 °	5' 0"	Insulator#2, Insulator#4, Insulator#3

#### Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	3 Bolt Suspension Clamp	101 °	20' 10"	Wire#7, Wire#8
Insulator#2	12 kV Pin (Cross Arm)	101 °	0' 4"	Wire#1, Wire#2
Insulator#4	12 kV Pin (Cross Arm)	101 °	9' 8"	Wire#3, Wire#4
Insulator#3	12 kV Pin (Cross Arm)	101 °	7' 0"	Wire#5, Wire#6

Theoretical: As Designed



Analysis Results

Loading

Component	In Service, 18 lb, Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	4.36 from stress at 3' 3"	1833 / 8000 lb/in <sup>2</sup>	10 °	8000 lb/in <sup>2</sup>