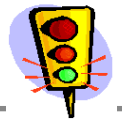


PoleForeman - Pole Loading Analysis Report

License: Alpine Communication Corp

Version 7.4.17



POLE LOADING DATA

Pole: 45/2 Wood (Wood-Cylindrical)

Soil: None

Pole Loading

NESC Edition: 2012

Rule 250C: Temp=60F, Wind=130 mph, Ice=0.00 in

Horizontal: 77% (250C)

Loading District: Light

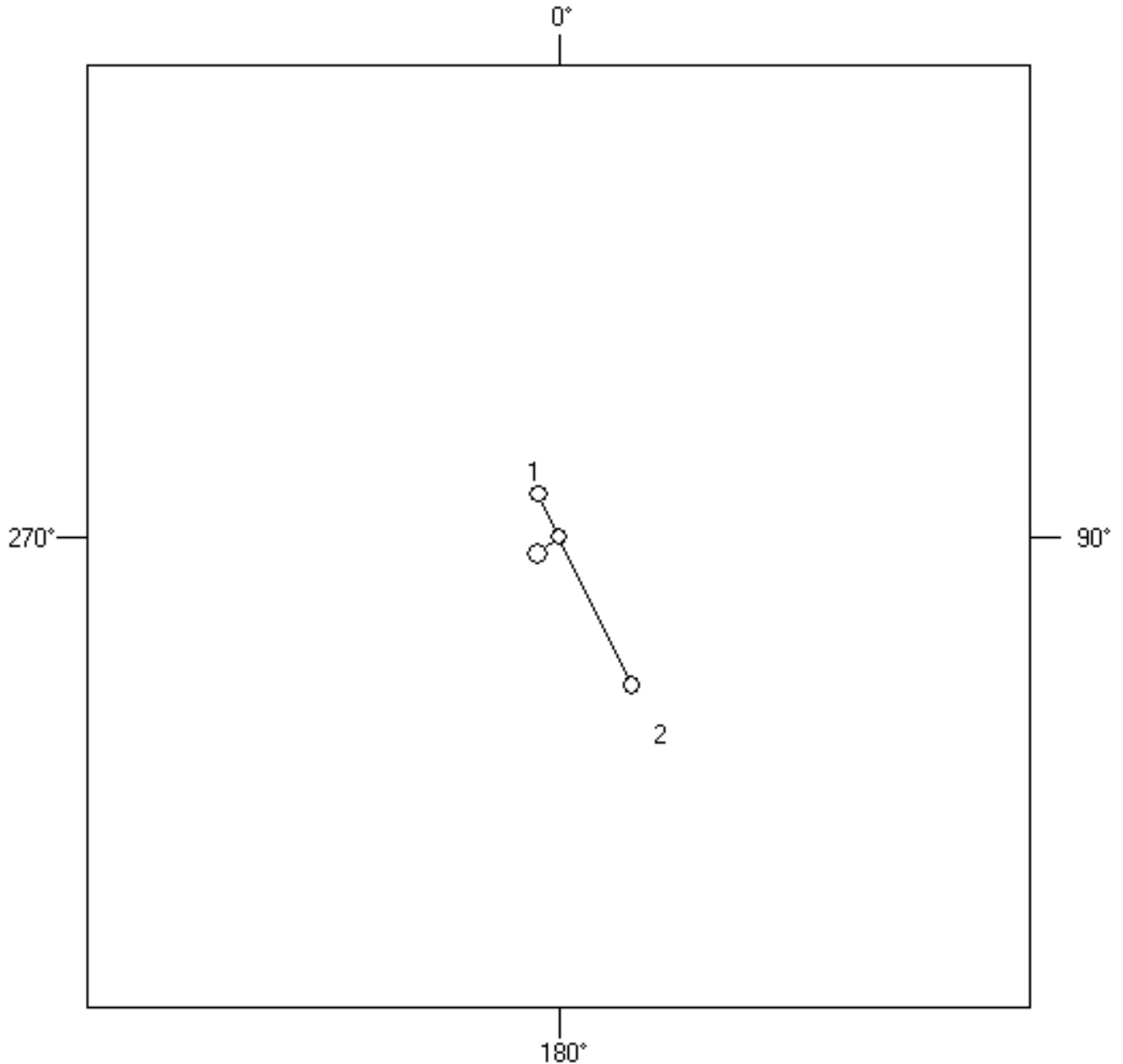
Vertical: 7% (k=1.20)

Construction: Grade B

POLES

Pole #	Length (ft)	Depth (ft)	Elevation (ft)
0	45	11	0
1	40	6	0
2	40	6	0

POLE LINE TOPOLOGY



PoleForeman - Pole Loading Analysis Report

License: Alpine Communication Corp

Version 7.4.17

INSULATORS

Insulator	Attach	Loading	Angle
45KV Post Vert SAC Polymer	33.5'	17%	0°
45KV Post Vert SAC Polymer	33.5'	17%	0°
45KV Post Vert SAC Polymer	33.5'	17%	0°
Spool-Sm-Tangent	26.3'	8%	0°

ARM / BRACKET DATA

Arm/Bracket	Attach	Vert Loading	Horz Loading
5'-4" STL Xarm	33.5'	4%	2%
Post Top Bracket	33.5'	2%	43%
Fork	26.3'		

SPANS

Span: 1 **Span Length (ft): 45** **Direction: 334°**

Circuit: 1 3PH-TAN-Xarm-5' 4" Stl-45KV PC Top Poly-E-6.0.1 F3

Primary	Ruling Span (ft)	Offset (in)	Attach A (ft)	Attach B (ft)	Tension
568 ACAR (15/4)	250	30	35.3	35.3	5650
568 ACAR (15/4)	250	0	35.7	35.7	5650
568 ACAR (15/4)	250	-30	35.3	35.3	5650
Neutral					
3/0 AAAC (7)	250	1	26.3	26.3	2793

Joint Use

Joint Use Cable	Ruling Span (ft)	Diameter (in)	Weight (lbs/ft)	Attach A (ft)	Offset (in)	Attach B (ft)	Tension (lbs)	Description
0.75" TELCO (No Tension)	250	0.75	0.33	24.0	7	24.0	0	

Span: 2 **Span Length (ft): 158** **Direction: 154°**

Circuit: 1 3PH-TAN-Xarm-5' 4" Stl-45KV PC Top Poly-E-6.0.1 F3

Primary	Ruling Span (ft)	Offset (in)	Attach A (ft)	Attach B (ft)	Tension
568 ACAR (15/4)	250	30	35.3	35.3	5650
568 ACAR (15/4)	250	0	35.7	35.7	5650
568 ACAR (15/4)	250	-30	35.3	35.3	5650
Neutral					
3/0 AAAC (7)	250	1	26.3	26.3	2793

Joint Use

Joint Use Cable	Ruling Span (ft)	Diameter (in)	Weight (lbs/ft)	Attach A (ft)	Offset (in)	Attach B (ft)	Tension (lbs)	Description
0.75" TELCO (No Tension)	250	0.75	0.33	24.0	7	24.0	0	

EQUIPMENT

Equipment	Weight (lbs)	Attach (ft)	Direction
Cellular Antenna Metro Mount	125.0	19.0	231°

PoleForeman - Pole Loading Analysis Report

License: Alpine Communication Corp

Version 7.4.17

Solid Model View

