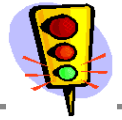


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POLE LOADING DATA

Pole: 45/1 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

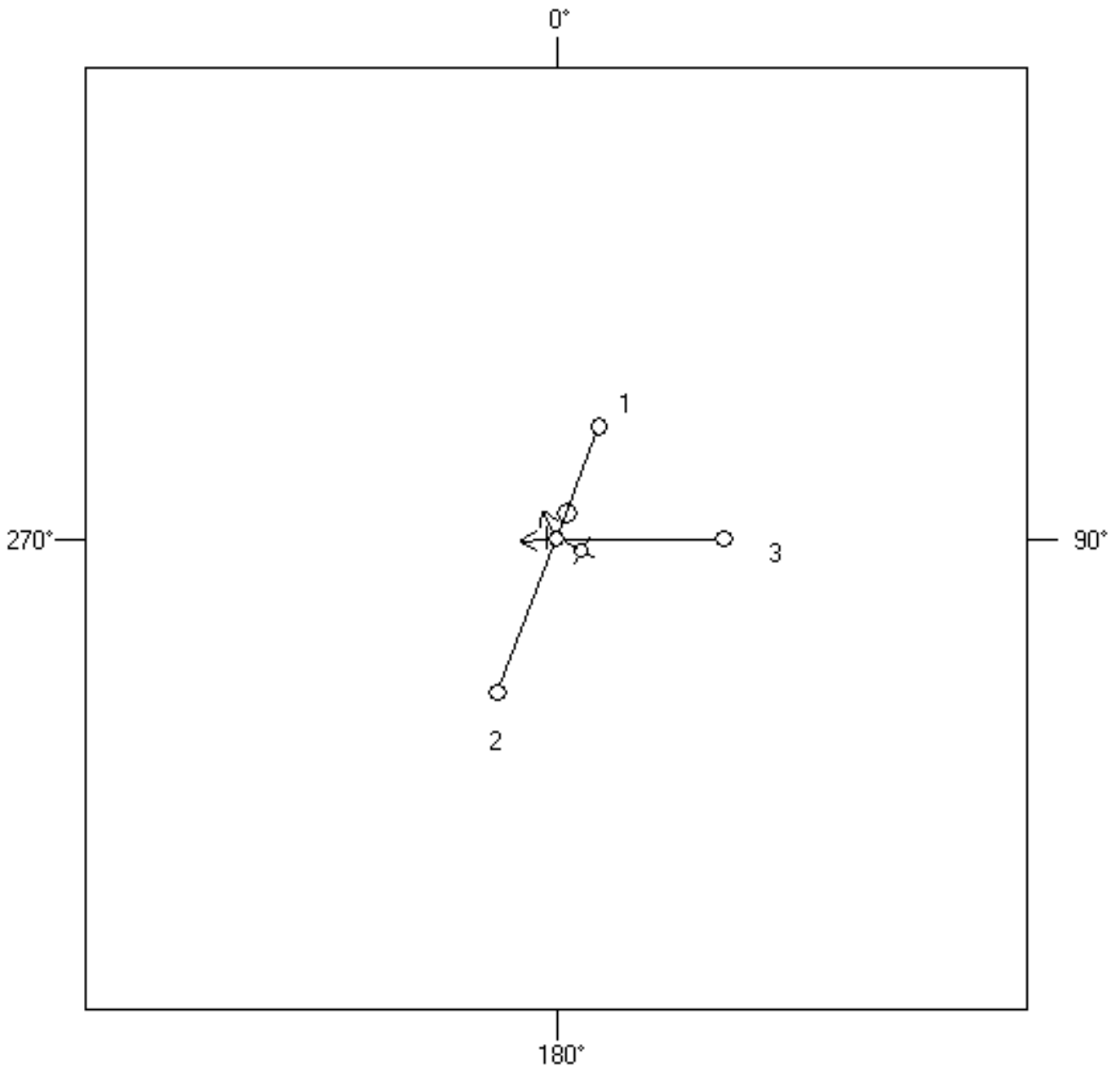
Vertical: 10% (k=0.70)

Construction: Grade B

POLES

Pole #	Length (ft)	Depth (ft)	Elevation (ft)
0	45	7	0
1	45	6.5	0
2	45	6.5	0
3	45	6.5	0

POLE LINE TOPOLOGY



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GUY STRAND DATA

Anchor	Strand	Attach	Length	Direction	Tension	Strength	Loading
1	9/16" EHS	31.8'	10'	270°	11,105	30,330	37%
1	9/16" EHS	25.3'	10'	270°	7,748	30,330	26%

ANCHOR DATA

Anchor	Rod	Anchor	Soil	Tension	Rod Strength	Anchor Strength
1	None	None	None	18,841	0	0

INSULATORS

Insulator	Attach	Loading	Angle
45KV Post Tie Polymer	37.5'	22%	0°
45KV Post Tie Polymer	36.6'	27%	0°
45KV Post Tie Polymer	33.9'	27%	0°
45KV Suspension Polymer-DE	31.8'	17%	0°
Spool-Sm-Tangent	26.3'	10%	0°

ARM / BRACKET DATA

Arm/Bracket	Attach	Vert Loading	Horz Loading
Post Top Bracket	37.5'	2%	57%
Pole-Wood Adapter	36.6'		
Pole-Wood Adapter	33.9'		
Fork-Extended	26.3'		

SPANS

Span: 1 **Span Length (ft): 115** **Direction: 21°**

Circuit: 1 3PH-TAN-Mod Ver-Wood Pole-45KV PC Hor-E-5.0.0 F1

Primary	Ruling Span (ft)	Offset (in)	Attach A (ft)	Attach B (ft)	Tension
568 ACAR (15/4)	250	21	36.8	37.3	5650
568 ACAR (15/4)	250	4	39.7	40.2	5650
568 ACAR (15/4)	250	20	34.1	34.6	5650
Neutral					
3/0 AAAC (7)	250	4	26.3	26.8	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
1.00" CATV (No Tension)	250	1.00	0.34	20.6	1	20.6	0	

Span: 2 **Span Length (ft): 157** **Direction: 201°**

Circuit: 1 3PH-TAN-Mod Ver-Wood Pole-45KV PC Hor-E-5.0.0 F1

Primary	Ruling Span (ft)	Offset (in)	Attach A (ft)	Attach B (ft)	Tension
568 ACAR (15/4)	250	21	36.8	37.3	5650
568 ACAR (15/4)	250	4	39.7	40.2	5650
568 ACAR (15/4)	250	20	34.1	34.6	5650
Neutral					
3/0 AAAC (7)	250	4	26.3	26.8	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
1.00" CATV (No Tension)	250	1.00	0.34	20.6	1	20.6	0	

Span: 3 **Span Length (ft): 160** **Direction: 90°**

Circuit: 1 *1PH-DE-Vert-45KV Susp Poly-E-5.1.0 F4

Primary	Ruling Span (ft)	Offset (in)	Attach A (ft)	Attach B (ft)	Tension
1/0 AAAC (7)	250	0	31.8	32.3	1985
Neutral					
1/0 AAAC (7)	250	0	25.3	25.8	1985

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" CATV (No Tension)	250	0.75	0.27	20.6	1	20.6	0	

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SERVICES

Service	Type	Length (ft)	Direction	Attach (ft)	Tension
1/0 AL TPX SERV	Power	35	265°	26.3	588
1/0 AL TPX SERV	Power	31	336°	26.3	592

EQUIPMENT

Equipment	Weight (lbs)	Attach (ft)	Direction
50 KVA	582.0	26.9	21°

LIGHTS

Light	Bracket	Weight	EPA	Attach	Direction
150-400W Cobra	6 FT Bracket	66	0.87	22.6	116°

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Solid Model View

