LoadCase

Attr Name: Name

Description:	LoadCase name
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: Method

Alt Display Name:	Code
Description:	Calculation Method
User Level Required:	All user levels may access this attribute
Attr Type:	ENUMERATED
Default:	NESC
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	NESC (National Electrical Safety Code)
	GO 95 (GO 95)
	ASCE (Americal Society of Civil Engineers)
	CSA (Canadian Standards Association)
	N/A (No special calculations)

Attr Name: Deflection

Alt Display Name:	Analysis Method
Description:	Deflection Calculation Method
User Level Required:	All user levels may access this attribute
Attr Type:	ENUMERATED
Default:	Linear
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	Linear (No P-Delta iterations performed)
	1 Iteration P-? (Single iteration P-Delta)
	2nd Order P-? (Fully Converged P-Delta)

Attr Name: Fixity

Alt Display Name:	Groundline Fixity
Description:	Groundline fixity mode
User Level Required:	All user levels may access this attribute
Attr Type:	ENUMERATED
Default:	Fixed
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	Fixed (Pole is fixed at groundline for guy analysis)
	Pinned (Pole is gimbaled at groundline for guy analysis)

Attr Name: District

Attr Group:	Ice
Description:	District
User Level Required:	All user levels may access this attribute
Attr Type:	ENUMERATED
Default:	<unset>
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	One (One)

Two (Two)
Three (Three)
N/A (N/A)

Attr Name: **Radial Ice**

Attr Group:	Ice
Alt Display Name:	Radial Ice (in)
Description:	Radial Thickness of Ice
Displayed Units:	store as INCHES display as
	INCHES or MILLIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	0.25
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **Ice Density**

Attr Group:	Ice
Alt Display Name:	Ice Density (lb/ft^3)
Description:	Ice Density in lbs per cubic inch
Displayed Units:	store as POUNDS PER CUBIC INCH display as
	POUNDS PER CUBIC FOOT or KILOGRAMS PER CUBIC METER
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	0.032986
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **Wind Speed**

Attr Group:	Wind
Alt Display Name:	Wind Speed (mph)
Description:	NESC Basic Wind Speed at 33 Feet / ASCE Fastest Wind
Displayed Units:	store as MILES PER HOUR display as
	MILES PER HOUR or KILOMETERS PER HOUR
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	39.53
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **Horiz Wind Pres**

Attr Group:	Wind
Alt Display Name:	Wind Pressure (lb/ft^2)
Description:	Horizontal Wind Pressure in lbs per square foot
Displayed Units:	store as PSF display as
	PSF or PASCAL
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	4
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **Temperature**

Attr Group:	Temperature
Alt Display Name:	Temperature (°f)

Description:	Temperature
Displayed Units:	store as FAHRENHEIT display as FAHRENHEIT or Celsius
User Level Required:	All user levels may access this attribute
Format Expression:	0.0
Attr Type:	FLOAT
Default:	65
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: TempMin

Attr Group:	Temperature
Alt Display Name:	Temp Min (°f)
Description:	Minimum Temperature
Displayed Units:	store as FAHRENHEIT display as FAHRENHEIT or Celsius
User Level Required:	All user levels may access this attribute
Format Expression:	0.0
Attr Type:	FLOAT
Default:	32
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: TempMax

Attr Group:	Temperature
Alt Display Name:	Temp Max (°f)
Description:	Maximum Temperature
Displayed Units:	store as FAHRENHEIT display as FAHRENHEIT or Celsius
User Level Required:	All user levels may access this attribute
Format Expression:	0.0
Attr Type:	FLOAT
Default:	212
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: WindType

Attr Group:	Wind
Alt Display Name:	NESC Standard
Description:	Wind calculation type
User Level Required:	All user levels may access this attribute
Attr Type:	ENUMERATED
Default:	2007
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	1997 (1997)
	2002 (2002)
	2007 (2007)
	2012 (2012)
	N/A (N/A)

Attr Name: Construction Grade

Description:	Construction Grade
User Level Required:	All user levels may access this attribute
Attr Type:	ENUMERATED
Default:	B
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	A (A)
	F (F)

B (B)
C (C)
1 (1)
2 (2)
3 (3)
N/A (N/A)

Attr Name: Crossing Conditions

Description: Describes the crossings conditions of the site
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Unknown
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Unknown (Unknown)
None (None)
At Crossing (At Crossing)

Attr Name: Installation or Replacement

Description: Use load factors at installation or load factors at replacement
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: At Installation
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: At Installation (At Installation)
At Replacement (At Replacement)

Attr Name: Override Wind

Attr Group: Wind
Description: Apply fixed wind angle
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: NomWindAngle

Attr Group: Wind
Alt Display Name: Override Wind Angle (°)
Description: Nominal wind angle
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Terrian Exposure

Alt Display Name: Terrain Exposure
Description: ASCE Terrian Exposure Code
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: N/A
ReadOnly: No
Visible: No
Incl When Subst: Yes

Enum Values: B (B)
                C (C)
                D (D)
                N/A (N/A)

Attr Name: Force Coef

Description:	ASCE Force Coefficient
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	0.0
ReadOnly:	No
Visible:	No
Incl When Subst:	Yes

Attr Name: 250 Rule

Attr Group:	Pole LFs
Description:	Rule applied from NESC 250 when calculating the loads
User Level Required:	All user levels may access this attribute
Attr Type:	ENUMERATED
Default:	Rule 250B
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	Rule 250B (Rule 250B)
	Rule 250B Alternate (Rule 250B Alternate)
	Rule 250C (Rule 250C)
	Rule 250D (Rule 250D)
	N/A (N/A)

Attr Name: Vertical LF

Attr Group:	Pole LFs
Alt Display Name:	Vertical Pole LF
Description:	NESC Vertical Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required:	All user levels may access this attribute
Format Expression:	0.00##
Attr Type:	FLOAT
Default:	1.5
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: TransWind LF

Attr Group:	Pole LFs
Alt Display Name:	Transverse Wind Pole LF
Description:	NESC Transverse Wind Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required:	All user levels may access this attribute
Format Expression:	0.00##
Attr Type:	FLOAT
Default:	2.5
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: TransTension LF

Attr Group:	Pole LFs
Alt Display Name:	Wire Tension (Guyed, Junction, Angle) Pole LF
Description:	NESC Transverse Wire Tesnion Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required:	All user levels may access this attribute
Format Expression:	0.00##

Attr Type: FLOAT
Default: 1.65
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: GeneralLongitude LF

Attr Group: Pole LFs
Alt Display Name: Wire Tension (Unguyed Tangent) Pole LF
Description: NESC General Non-Deadend Longitudinal Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.10
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DeadendLongitude LF

Attr Group: Pole LFs
Alt Display Name: Wire Tension (Deadend) Pole LF
Description: NESC Deadend Longitudinal Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.65
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy Vertical LF

Attr Group: Guy LFs
Alt Display Name: Vertical Guy LF
Description: NESC Vertical Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy TransWind LF

Attr Group: Guy LFs
Alt Display Name: Transverse Wind Guy LF
Description: NESC Transverse Wind Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 2.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy TransTension LF

Attr Group: Guy LFs
Alt Display Name: Wire Tension (Guyed, Junction, Angle) Guy LF
Description: NESC Transverse Wire Tesnion Load Factor for applied 250 rule calculations for the selected Construction Grade

User Level Required:	All user levels may access this attribute
Format Expression:	0.00##
Attr Type:	FLOAT
Default:	1.65
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: Guy GeneralLongitude LF

Attr Group:	Guy LFs
Alt Display Name:	Wire Tension (Unguyed Tangent) Guy LF
Description:	NESC General Non-Deadend Longitudinal Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required:	All user levels may access this attribute
Format Expression:	0.00##
Attr Type:	FLOAT
Default:	1.10
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: Guy DeadendLongitude LF

Attr Group:	Guy LFs
Alt Display Name:	Wire Tension (Deadend) Guy LF
Description:	NESC Deadend Longitudinal Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required:	All user levels may access this attribute
Format Expression:	0.00##
Attr Type:	FLOAT
Default:	1.65
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: Anchor Vertical LF

Attr Group:	Anchor LFs
Alt Display Name:	Vertical Anchor LF
Description:	NESC Vertical Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required:	All user levels may access this attribute
Format Expression:	0.00##
Attr Type:	FLOAT
Default:	1.5
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: Anchor TransWind LF

Attr Group:	Anchor LFs
Alt Display Name:	Transverse Wind Anchor LF
Description:	NESC Transverse Wind Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required:	All user levels may access this attribute
Format Expression:	0.00##
Attr Type:	FLOAT
Default:	2.5
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: Anchor TransTension LF

Attr Group:	Anchor LFs
Alt Display Name:	Wire Tension (Guyed, Junction, Angle) Anchor LF

Description: NESC Transverse Wire Tesnion Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.65
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Anchor GeneralLongitude LF

Attr Group: Anchor LFs
Alt Display Name: Wire Tension (Unguyed Tangent) Anchor LF
Description: NESC General Non-Deadend Longitudinal Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.10
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Anchor DeadendLongitude LF

Attr Group: Anchor LFs
Alt Display Name: Wire Tension (Deadend) Anchor LF
Description: NESC Deadend Longitudinal Load Factor for applied 250 rule calculations for the selected Construction Grade
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.65
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Pole Strength Factor

Attr Group: Strength
Description: Pole Strength Factor value
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 0.85
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Crossarm Strength Factor

Attr Group: Strength
Description: Crosarm Strength Factor value
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 0.50
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy Strength Factor

Attr Group: Strength
Description: Guy Strength Factor value
User Level Required: All user levels may access this attribute
Format Expression: 0.00##

Attr Type: FLOAT
Default: 0.9
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Anchor Strength Factor

Attr Group: Strength
Description: Anchor Strength Factor value
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 1.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PoleCapacityThreshhold

Attr Group: Threshold
Alt Display Name: Capacity Threshold %
Description: PoleCapacityThreshhold
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 75
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy Inadequate Thresh

Attr Group: Threshold
Alt Display Name: Guy/Anch Inadequate %
Description:
Displayed Units: store as PERCENT 0 TO 100 display as
INVERSE PERCENT 0 TO 100
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 0.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy At Cap Thresh

Attr Group: Threshold
Alt Display Name: Guy/Anch At Cap %
Description:
Displayed Units: store as PERCENT 0 TO 100 display as
INVERSE PERCENT 0 TO 100
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 2
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Guy Near Cap Thresh

Attr Group: Threshold
Alt Display Name: Guy/Anch Near Cap %
Description:
Displayed Units: store as PERCENT 0 TO 100 display as
INVERSE PERCENT 0 TO 100

User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 10
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Span Cap Thresh

Attr Group: Threshold
Alt Display Name: Span Load Thresh %
Description:
Displayed Units: store as PERCENT 0 TO 100 display as INVERSE PERCENT 0 TO 100
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 10
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Apply FSR

Description: Apply ANSI O5.1.2008 Fiber Strength Reduction calculations for wood poles >= 60 feet in length
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BucklingConstUnguyed

Attr Group: Buckling
Alt Display Name: Unguyed Constant
Description: Buckling constant unguyed
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 2
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BucklingConstGuyed

Attr Group: Buckling
Alt Display Name: Guyed Constant
Description: Buckling constant unguyed
User Level Required: All user levels may access this attribute
Format Expression: 0.00##
Attr Type: FLOAT
Default: 0.707106781186548
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: SectionHeightMethod

Attr Group: Buckling
Alt Display Name: Section Method
Description: Buckling method
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Standard

ReadOnly:	No
Visible:	No
Incl When Subst:	Yes
Enum Values:	Standard (Standard)
	Percent BCH (Percent BCH)

Attr Name: BucklingSectionPercentBCH

Attr Group:	Buckling
Alt Display Name:	Percent BCH
Description:	Percent of Buckling Column Height to use as Buckling Section
Displayed Units:	store as PERCENT 0 TO 1 display as
	PERCENT 0 TO 100
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	0.33333333
ReadOnly:	No
Visible:	No
Incl When Subst:	Yes

Attr Name: ReportingAngleMode

Attr Group:	Reporting
Alt Display Name:	Report Angle Mode
Description:	Buckling constant unguyeg
User Level Required:	All user levels may access this attribute
Attr Type:	ENUMERATED
Default:	Load
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	Tip Deflection (Tip Deflection)
	Wind (Wind)
	Load (Load)
	Relative (Relative)
	Fixed (Fixed)

Attr Name: ReportingAngle

Attr Group:	Reporting
Alt Display Name:	Reporting Angle (°)
Description:	Reporting angle
Displayed Units:	store as RADIANS display as
	DEGREES
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	1.5707963267949
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: SpanCapSignal

Attr Group:	Reporting
Alt Display Name:	Signal Span Over Cap
Description:	
User Level Required:	Limited users can NOT access this attribute
Attr Type:	BOOLEAN
Default:	Yes
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: ArmCapSignal

Attr Group:	Reporting

<pre>
              Alt Display Name: Signal Crossarm Over Cap
                  Description:
           User Level Required: Limited users can NOT access this attribute
                    Attr Type: BOOLEAN
                     Default: Yes
                    ReadOnly: No
                     Visible: Yes
              Incl When Subst: Yes
</pre>

Attr Name: GuyCapSignal

<pre>
                   Attr Group: Reporting
              Alt Display Name: Signal Guy Over Cap
                  Description:
           User Level Required: Limited users can NOT access this attribute
                    Attr Type: BOOLEAN
                     Default: Yes
                    ReadOnly: No
                     Visible: Yes
              Incl When Subst: Yes
</pre>

Notes

Attr Name: Description

<pre>
                  Description: Description of the note
           User Level Required: All user levels may access this attribute
                    Attr Type: STRING
                     Default: Note
                    ReadOnly: No
                     Visible: Yes
              Incl When Subst: Yes
</pre>

Attr Name: Owner

<pre>
                  Description: Owner
           User Level Required: All user levels may access this attribute
                    Attr Type: STRING
                     Default: <Undefined>
                    ReadOnly: No
                     Visible: Yes
              Incl When Subst: No
</pre>

Attr Name: Author

<pre>
                  Description: Author of the note
           User Level Required: All user levels may access this attribute
                    Attr Type: STRING
                     Default:
                    ReadOnly: No
                     Visible: Yes
              Incl When Subst: Yes
</pre>

Attr Name: Date

<pre>
                  Description: Creation date of the note
           User Level Required: All user levels may access this attribute
                    Attr Type: DATE
                     Default:
                    ReadOnly: No
                     Visible: Yes
              Incl When Subst: Yes
</pre>

Attr Name: Contents

<pre>
                  Description: RTF Contents
           User Level Required: All user levels may access this attribute
</pre>

Attr Type: STRING
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Grid

Description: SpreadSheet Contents
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: No
Incl When Subst: Yes

Attr Name: SplitPercent

Description: Split bar position
User Level Required: All user levels may access this attribute
Attr Type: FLOAT
Default: 0.6
ReadOnly: No
Visible: No
Incl When Subst: Yes

WoodPole

Attr Name: Pole Number

Description: Pole identification
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Pole
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Structure Type

Description: Pole structure type specification
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Auto
ReadOnly: No
Visible: Yes
Incl When Subst: No
Enum Values: Auto (Automatically determine the structure type from attached equipment)

Tangent (Pole with all wires running in line with each other)
Angle (Pole with at least one wire that is at an angle relative to the others)

Deadend (Pole with wires ending at the pole)
Junction (Pole with wires crossing at or near the pole)

Attr Name: Class

Alt Display Name: Pole Class
Description: Pole class specification
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: 4
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: LengthInInches

Alt Display Name: Pole Length (ft)
Description: Pole length in inches
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 480
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Species

Description: Wood species of the pole
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: SOUTHERN PINE
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Species Code

Alt Display Name: Code
Description: Code Standard
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: NESC Standard
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: BuryDepthInInches

Alt Display Name: Setting Depth (ft)
Description: Bury depth in inches
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 72
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LineOfLead

Alt Display Name: Line of Lead (°)
Description: The overall line of lead of the entire pole assembly
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0

ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: LeanDirection

Alt Display Name:	Lean Direction (°)
Description:	Pole lean direction in radians
Displayed Units:	store as RADIANS display as DEGREES
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERA
Default:	
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: LeanAmount

Alt Display Name:	Lean Amount (°)
Description:	Pole amount direction in radians
Displayed Units:	store as RADIANS display as DEGREES
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERX
Default:	
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: RadiusAtTipInInches

Attr Group:	Circumference
Alt Display Name:	Tip Circum (in)
Description:	
Displayed Units:	store as RADIUS IN INCHES display as CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	3.3422538049298
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: GLCircumMethod

Attr Group:	Circumference
Alt Display Name:	GL Circum Method
Description:	Groundline method.
User Level Required:	All user levels may access this attribute
Attr Type:	ENUMERATED
Default:	By Specs
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	By Specs (By Specs) Measured (Measured)

Attr Name: Circum6ft

Attr Group:	Circumference
Alt Display Name:	6ft Circum (in)
Description:	The pole circumference at the 6 foot point
Displayed Units:	store as INCHES display as INCHES or CENTIMETERS

User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	33.5
ReadOnly:	Yes
Visible:	No
Incl When Subst:	Yes

Attr Name: **MeasuredRadiusGL**

Attr Group:	Circumference
Alt Display Name:	GL Circum (in)
Description:	Measured radius at the groundline
Displayed Units:	store as RADIUS IN INCHES display as CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	5.33169059357849
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **ApplyEffectiveRadiusGL**

Attr Group:	Circumference
Alt Display Name:	Apply Eff. GL Reduction
Description:	Apply Effective radius at the groundline
User Level Required:	All user levels may access this attribute
Attr Type:	BOOLEAN
Default:	No
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **EffectiveRadiusGL**

Attr Group:	Circumference
Alt Display Name:	Eff. GL Circ (in)
Description:	Effective radius at the groundline
Displayed Units:	store as RADIUS IN INCHES display as CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	5.33169059357849
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **StrengthRemainingGL**

Attr Group:	Circumference
Alt Display Name:	GL Remaining Strength (%)
Description:	% remaining strength at the groundline
Displayed Units:	store as PERCENT 0 TO 1 display as PERCENT 0 TO 100
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	1
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **Modulus of Rupture**

Attr Group:	Phys. Consts

Alt Display Name: Modulus of Rupture (psi)
Description: Modulus of rupture for the given species
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 8000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Modulus of Elasticity

Attr Group: Phys. Consts
Alt Display Name: Modulus of Elasticity (psi)
Description: Modulus of elasticty for the given species
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 1600000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Density

Attr Group: Phys. Consts
Alt Display Name: Density (lb/ft^3)
Description: Density for the given species in lbs per cubic inch
Displayed Units: store as POUNDS PER CUBIC INCH display as
POUNDS PER CUBIC FOOT or KILOGRAMS PER CUBIC METER
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.0347222222222222
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PoleMfgLength

Attr Group: Phys. Consts
Alt Display Name: Pole Mfg Length (ft)
Description: Pole manufactured length in inches
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 480
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Table No

Attr Group: Phys. Consts
Description: Table Designation
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: ANSI8
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Offset

Attr Group:	Multi Pole
Alt Display Name:	Offset (ft)
Description:	Pole offset in feet
Displayed Units:	store as INCHES display as FEET or METERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERX
Default:	
ReadOnly:	No
Visible:	No
Incl When Subst:	No

Attr Name: Aux Data 1

Attr Group:	User Data
Description:	
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	Unset
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: Aux Data 2

Attr Group:	User Data
Description:	
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	Unset
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: Aux Data 3

Attr Group:	User Data
Description:	
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	Unset
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: Aux Data 4

Attr Group:	User Data
Description:	
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	Unset
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: Aux Data 5

Attr Group:	User Data
Description:	
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	Unset
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: Aux Data 6
         Attr Group: User Data
        Description:
User Level Required: All user levels may access this attribute
          Attr Type: STRING
            Default: Unset
           ReadOnly: No
            Visible: Yes
    Incl When Subst: No

Attr Name: Aux Data 7
         Attr Group: User Data
        Description:
User Level Required: All user levels may access this attribute
          Attr Type: STRING
            Default: Unset
           ReadOnly: No
            Visible: Yes
    Incl When Subst: No

Attr Name: Aux Data 8
         Attr Group: User Data
        Description:
User Level Required: All user levels may access this attribute
          Attr Type: STRING
            Default: Unset
           ReadOnly: No
            Visible: Yes
    Incl When Subst: No

SteelPole

Attr Name: Pole Number
        Description: Pole identification
User Level Required: All user levels may access this attribute
          Attr Type: STRING
            Default: Unset
           ReadOnly: No
            Visible: Yes
    Incl When Subst: No

Attr Name: Owner
        Description: Owner
User Level Required: All user levels may access this attribute
          Attr Type: STRING
            Default: Pole
           ReadOnly: No
            Visible: Yes
    Incl When Subst: No

Attr Name: Structure Type
        Description: Pole structure type specification
User Level Required: All user levels may access this attribute
          Attr Type: ENUMERATED
            Default: Auto
           ReadOnly: No
            Visible: Yes
    Incl When Subst: No
        Enum Values: Auto (Automatically determine the structure type from attached
equipment)

Tangent (Pole with all wires running in line with each other)
Angle (Pole with at least one wire that is at an angle relative to the others)

Deadend (Pole with wires ending at the pole)
Junction (Pole with wires crossing at or near the pole)

Attr Name: Class

Alt Display Name:	Pole Class
Description:	Pole class specification
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	4
ReadOnly:	Yes
Visible:	Yes
Incl When Subst:	Yes

Attr Name: LengthInInches

Alt Display Name:	Manufacture Length (ft)
Description:	Pole length in inches
Displayed Units:	store as INCHES display as FEET or METERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERZ
Default:	480
ReadOnly:	Yes
Visible:	Yes
Incl When Subst:	Yes

Attr Name: Pole Code

Alt Display Name:	Code
Description:	Pole Code
User Level Required:	All user levels may access this attribute
Attr Type:	ENUMERATED
Default:	GO 95
ReadOnly:	Yes
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	NESC C2-2007 (NESC C2-2007)
	GO 95 (GO 95)
	CSA C22.3 No. 1-10 (CSA C22.3 No. 1-10)

Attr Name: Shape

Description:	Cross section shape
User Level Required:	Limited users can NOT access this attribute
Attr Type:	ENUMERATED
Default:	Round
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	Round (Round)
	Polygonal (Polygonal)

Attr Name: Faces

Alt Display Name:	Polygon Faces
Description:	Number of polygon faces
User Level Required:	Limited users can NOT access this attribute
Attr Type:	INTEGER
Default:	12
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: Mount

Alt Display Name: Mount Type
Description: Mount type
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Pedestal
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Embed (Embed)
Pedestal (Pedestal)

Attr Name: ThicknessType

Attr Group: Thickness
Alt Display Name: Thickness Type
Description: Thickness type
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Uniform
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Uniform (Uniform)
Tiered (Tiered)

Attr Name: ThicknessBaseIn

Attr Group: Thickness
Alt Display Name: Thickness at Base (in)
Description: Thickness at base in inches
Displayed Units: store as INCHES display as
INCHES or MILLIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ThicknessTipIn

Attr Group: Thickness
Alt Display Name: Thickness at Tip (in)
Description: Thickness at tip in inches
Displayed Units: store as INCHES display as
INCHES or MILLIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Tiers

Attr Group: Thickness
Description: Number of Tiers
User Level Required: Limited users can NOT access this attribute
Attr Type: PLUSMINUS
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BuryDepthInInches

Alt Display Name: Dist To Grade (ft)
Description: Bury depth in inches
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 72
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LineOfLead

Alt Display Name: Line of Lead (°)
Description: The overall line of lead of the entire pole assembly
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LeanDirection

Alt Display Name: Lean Direction (°)
Description: Pole lean direction in radians
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LeanAmount

Alt Display Name: Lean Amount (°)
Description: Pole amount direction in radians
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: RadiusAtTipInInches

Attr Group: Circumference
Alt Display Name: Tip Circum (in)
Description:
Displayed Units: store as RADIUS IN INCHES display as
CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 3.3422538049298
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **CircumferenceAtBase**

Attr Group:	Circumference
Alt Display Name:	Base Circum (in)
Description:	Circumference At Base in Inches
Displayed Units:	store as RADIUS IN INCHES display as CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	33.5
ReadOnly:	Yes
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **StrengthRemainingGL**

Attr Group:	Circumference
Alt Display Name:	GL Remaining Strength (%)
Description:	% remaining strength at the groundline
Displayed Units:	store as PERCENT 0 TO 1 display as PERCENT 0 TO 100
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	1
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **YieldStress**

Attr Group:	Phys. Consts
Alt Display Name:	Yeild Stress (psi)
Description:	Modulus of rupture for the given species
Displayed Units:	store as PSI display as PSI or KILOPASCAL
User Level Required:	Limited users can NOT access this attribute
Format Expression:	0.0
Attr Type:	FLOAT
Default:	8000
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **TensileStress**

Attr Group:	Phys. Consts
Alt Display Name:	Tensile Stress (psi)
Description:	Modulus of elasticty for the given species
Displayed Units:	store as PSI display as PSI or KILOPASCAL
User Level Required:	Limited users can NOT access this attribute
Format Expression:	0.00###E+0
Attr Type:	FLOAT
Default:	1600000
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **Density**

Attr Group:	Phys. Consts
Alt Display Name:	Density (lb/ft^3)
Description:	Density for the given species in lbs per cubic inch
Displayed Units:	store as POUNDS PER CUBIC INCH display as POUNDS PER CUBIC FOOT or KILOGRAMS PER CUBIC METER
User Level Required:	Limited users can NOT access this attribute

Format Expression: 0.00
Attr Type: FLOAT
Default: 0.0347222222222222
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Offset

Attr Group: Multi Pole
Alt Display Name: Offset (ft)
Description: Pole offset in feet
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default:
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: Aux Data 1

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 2

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 3

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 4

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 5

<table>
<tr><td align="right">Attr Group:</td><td>User Data</td></tr>
<tr><td align="right">Description:</td><td></td></tr>
<tr><td align="right">User Level Required:</td><td>All user levels may access this attribute</td></tr>
<tr><td align="right">Attr Type:</td><td>STRING</td></tr>
<tr><td align="right">Default:</td><td>Unset</td></tr>
<tr><td align="right">ReadOnly:</td><td>No</td></tr>
<tr><td align="right">Visible:</td><td>Yes</td></tr>
<tr><td align="right">Incl When Subst:</td><td>No</td></tr>
</table>

Attr Name: Aux Data 6

<table>
<tr><td align="right">Attr Group:</td><td>User Data</td></tr>
<tr><td align="right">Description:</td><td></td></tr>
<tr><td align="right">User Level Required:</td><td>All user levels may access this attribute</td></tr>
<tr><td align="right">Attr Type:</td><td>STRING</td></tr>
<tr><td align="right">Default:</td><td>Unset</td></tr>
<tr><td align="right">ReadOnly:</td><td>No</td></tr>
<tr><td align="right">Visible:</td><td>Yes</td></tr>
<tr><td align="right">Incl When Subst:</td><td>No</td></tr>
</table>

Attr Name: Aux Data 7

<table>
<tr><td align="right">Attr Group:</td><td>User Data</td></tr>
<tr><td align="right">Description:</td><td></td></tr>
<tr><td align="right">User Level Required:</td><td>All user levels may access this attribute</td></tr>
<tr><td align="right">Attr Type:</td><td>STRING</td></tr>
<tr><td align="right">Default:</td><td>Unset</td></tr>
<tr><td align="right">ReadOnly:</td><td>No</td></tr>
<tr><td align="right">Visible:</td><td>Yes</td></tr>
<tr><td align="right">Incl When Subst:</td><td>No</td></tr>
</table>

Attr Name: Aux Data 8

<table>
<tr><td align="right">Attr Group:</td><td>User Data</td></tr>
<tr><td align="right">Description:</td><td></td></tr>
<tr><td align="right">User Level Required:</td><td>All user levels may access this attribute</td></tr>
<tr><td align="right">Attr Type:</td><td>STRING</td></tr>
<tr><td align="right">Default:</td><td>Unset</td></tr>
<tr><td align="right">ReadOnly:</td><td>No</td></tr>
<tr><td align="right">Visible:</td><td>Yes</td></tr>
<tr><td align="right">Incl When Subst:</td><td>No</td></tr>
</table>

ConcretePole

Attr Name: Pole Number

<table>
<tr><td align="right">Description:</td><td>Pole identification</td></tr>
<tr><td align="right">User Level Required:</td><td>All user levels may access this attribute</td></tr>
<tr><td align="right">Attr Type:</td><td>STRING</td></tr>
<tr><td align="right">Default:</td><td>Unset</td></tr>
<tr><td align="right">ReadOnly:</td><td>No</td></tr>
<tr><td align="right">Visible:</td><td>Yes</td></tr>
<tr><td align="right">Incl When Subst:</td><td>No</td></tr>
</table>

Attr Name: Owner

<table>
<tr><td align="right">Description:</td><td>Owner</td></tr>
<tr><td align="right">User Level Required:</td><td>All user levels may access this attribute</td></tr>
<tr><td align="right">Attr Type:</td><td>STRING</td></tr>
<tr><td align="right">Default:</td><td>Pole</td></tr>
<tr><td align="right">ReadOnly:</td><td>No</td></tr>
<tr><td align="right">Visible:</td><td>Yes</td></tr>
<tr><td align="right">Incl When Subst:</td><td>No</td></tr>
</table>

Attr Name: Structure Type

<table>
<tr><td align="right">Description:</td><td>Pole structure type specification</td></tr>
</table>

User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Auto
ReadOnly: No
Visible: Yes
Incl When Subst: No
Enum Values: Auto (Automatically determine the structure type from attached

equipment)

Tangent (Pole with all wires running in line with each other)
Angle (Pole with at least one wire that is at an angle relative to the

others)

Deadend (Pole with wires ending at the pole)
Junction (Pole with wires crossing at or near the pole)

Attr Name: Class
Alt Display Name: Pole Class
Description: Pole class specification
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: 4
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: LengthInInches
Alt Display Name: Pole Length (ft)
Description: Pole length in inches
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 480
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Species
Description: Wood species of the pole
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: SOUTHERN PINE
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Species Code
Alt Display Name: Code
Description: Code Standard
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: NESC Standard
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: BuryDepthInInches
Alt Display Name: Setting Depth (ft)
Description: Bury depth in inches
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00

Attr Type: TRACKERZ
Default: 72
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: **LineOfLead**

Alt Display Name: Line of Lead (°)
Description: The overall line of lead of the entire pole assembly
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: **LeanDirection**

Alt Display Name: Lean Direction (°)
Description: Pole lean direction in radians
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: **LeanAmount**

Alt Display Name: Lean Amount (°)
Description: Pole amount direction in radians
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: **RadiusAtTipInInches**

Attr Group: Circumference
Alt Display Name: Tip Circum (in)
Description:
Displayed Units: store as RADIUS IN INCHES display as
CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 3.3422538049298
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **GLCircumMethod**

Attr Group: Circumference
Alt Display Name: GL Circum Method
Description: Groundline method.

User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: By Specs
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: By Specs (By Specs)
Measured (Measured)

Attr Name: Circum6ft

Attr Group: Circumference
Alt Display Name: 6ft Circum (in)
Description: The pole circumference at the 6 foot point
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 33.5
ReadOnly: Yes
Visible: No
Incl When Subst: Yes

Attr Name: MeasuredRadiusGL

Attr Group: Circumference
Alt Display Name: GL Circum (in)
Description: Measured radius at the groundline
Displayed Units: store as RADIUS IN INCHES display as
CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 5.33169059357849
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ApplyEffectiveRadiusGL

Attr Group: Circumference
Alt Display Name: Apply Eff. GL Reduction
Description: Apply Effective radius at the groundline
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: EffectiveRadiusGL

Attr Group: Circumference
Alt Display Name: Eff. GL Circ (in)
Description: Effective radius at the groundline
Displayed Units: store as RADIUS IN INCHES display as
CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 5.33169059357849
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: StrengthRemainingGL

Attr Group: Circumference
Alt Display Name: GL Remaining Strength (%)
Description: % remaining strength at the groundline
Displayed Units: store as PERCENT 0 TO 1 display as
PERCENT 0 TO 100
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 1
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Modulus of Rupture

Attr Group: Phys. Consts
Alt Display Name: Modulus of Rupture (psi)
Description: Modulus of rupture for the given species
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 8000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Modulus of Elasticity

Attr Group: Phys. Consts
Alt Display Name: Modulus of Elasticity (psi)
Description: Modulus of elasticty for the given species
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 1600000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Density

Attr Group: Phys. Consts
Alt Display Name: Density (lb/ft^3)
Description: Density for the given species in lbs per cubic inch
Displayed Units: store as POUNDS PER CUBIC INCH display as
POUNDS PER CUBIC FOOT or KILOGRAMS PER CUBIC METER
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.0347222222222222
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PoleMfgLength

Attr Group: Phys. Consts
Alt Display Name: Pole Mfg Length (ft)
Description: Pole manufactured length in inches
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 480

ReadOnly: Yes
                                     Visible: Yes
                           Incl When Subst: Yes

Attr Name: Table No

                              Attr Group: Phys. Consts
                             Description: Table Designation
                  User Level Required: All user levels may access this attribute
                              Attr Type: STRING
                                 Default: ANSI8
                               ReadOnly: Yes
                                  Visible: Yes
                        Incl When Subst: Yes

Attr Name: Offset

                              Attr Group: Multi Pole
                     Alt Display Name: Offset (ft)
                             Description: Pole offset in feet
                        Displayed Units: store as INCHES display as
                                             FEET or METERS
                  User Level Required: All user levels may access this attribute
                  Format Expression: 0.00
                              Attr Type: TRACKERX
                                 Default:
                               ReadOnly: No
                                  Visible: No
                        Incl When Subst: No

Attr Name: Aux Data 1

                              Attr Group: User Data
                             Description:
                  User Level Required: All user levels may access this attribute
                              Attr Type: STRING
                                 Default: Unset
                               ReadOnly: No
                                  Visible: Yes
                        Incl When Subst: No

Attr Name: Aux Data 2

                              Attr Group: User Data
                             Description:
                  User Level Required: All user levels may access this attribute
                              Attr Type: STRING
                                 Default: Unset
                               ReadOnly: No
                                  Visible: Yes
                        Incl When Subst: No

Attr Name: Aux Data 3

                              Attr Group: User Data
                             Description:
                  User Level Required: All user levels may access this attribute
                              Attr Type: STRING
                                 Default: Unset
                               ReadOnly: No
                                  Visible: Yes
                        Incl When Subst: No

Attr Name: Aux Data 4

                              Attr Group: User Data
                             Description:
                  User Level Required: All user levels may access this attribute

Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 5

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 6

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 7

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 8

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

CompositePole

Attr Name: Pole Number

Description: Pole identification
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING

Default: Pole
                 ReadOnly: No
                  Visible: Yes
          Incl When Subst: No

Attr Name: Structure Type

              Description: Pole structure type specification
      User Level Required: All user levels may access this attribute
                Attr Type: ENUMERATED
                  Default: Auto
                 ReadOnly: No
                  Visible: Yes
          Incl When Subst: No
              Enum Values: Auto (Automatically determine the structure type from attached

equipment)

                            Tangent (Pole with all wires running in line with each other)
                            Angle (Pole with at least one wire that is at an angle relative to the

others)

                            Deadend (Pole with wires ending at the pole)
                            Junction (Pole with wires crossing at or near the pole)

Attr Name: Class

         Alt Display Name: Pole Class
              Description: Pole class specification
      User Level Required: All user levels may access this attribute
                Attr Type: STRING
                  Default: 4
                 ReadOnly: Yes
                  Visible: Yes
          Incl When Subst: Yes

Attr Name: LengthInInches

         Alt Display Name: Pole Length (ft)
              Description: Pole length in inches
          Displayed Units: store as INCHES display as
                            FEET or METERS
      User Level Required: All user levels may access this attribute
        Format Expression: 0.00
                Attr Type: TRACKERZ
                  Default: 480
                 ReadOnly: Yes
                  Visible: Yes
          Incl When Subst: Yes

Attr Name: Species

              Description: Wood species of the pole
      User Level Required: All user levels may access this attribute
                Attr Type: STRING
                  Default: SOUTHERN PINE
                 ReadOnly: Yes
                  Visible: Yes
          Incl When Subst: Yes

Attr Name: Species Code

         Alt Display Name: Code
              Description: Code Standard
      User Level Required: All user levels may access this attribute
                Attr Type: STRING
                  Default: NESC Standard
                 ReadOnly: Yes
                  Visible: Yes
          Incl When Subst: Yes

Attr Name: BuryDepthInInches

Alt Display Name:	Setting Depth (ft)
Description:	Bury depth in inches
Displayed Units:	store as INCHES display as FEET or METERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERZ
Default:	72
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: LineOfLead

Alt Display Name:	Line of Lead (°)
Description:	The overall line of lead of the entire pole assembly
Displayed Units:	store as RADIANS display as DEGREES
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERA
Default:	0
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: LeanDirection

Alt Display Name:	Lean Direction (°)
Description:	Pole lean direction in radians
Displayed Units:	store as RADIANS display as DEGREES
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERA
Default:	
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: LeanAmount

Alt Display Name:	Lean Amount (°)
Description:	Pole amount direction in radians
Displayed Units:	store as RADIANS display as DEGREES
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERX
Default:	
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: RadiusAtTipInInches

Attr Group:	Circumference
Alt Display Name:	Tip Circum (in)
Description:	
Displayed Units:	store as RADIUS IN INCHES display as CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	3.3422538049298
ReadOnly:	No

Visible: Yes
Incl When Subst: Yes

Attr Name: **GLCircumMethod**

Attr Group: Circumference
Alt Display Name: GL Circum Method
Description: Groundline method.
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: By Specs
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: By Specs (By Specs)
Measured (Measured)

Attr Name: **Circum6ft**

Attr Group: Circumference
Alt Display Name: 6ft Circum (in)
Description: The pole circumference at the 6 foot point
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 33.5
ReadOnly: Yes
Visible: No
Incl When Subst: Yes

Attr Name: **MeasuredRadiusGL**

Attr Group: Circumference
Alt Display Name: GL Circum (in)
Description: Measured radius at the groundline
Displayed Units: store as RADIUS IN INCHES display as
CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 5.33169059357849
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **ApplyEffectiveRadiusGL**

Attr Group: Circumference
Alt Display Name: Apply Eff. GL Reduction
Description: Apply Effective radius at the groundline
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **EffectiveRadiusGL**

Attr Group: Circumference
Alt Display Name: Eff. GL Circ (in)
Description: Effective radius at the groundline
Displayed Units: store as RADIUS IN INCHES display as
CIRCUMFERENCE IN INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00

Attr Type: FLOAT
Default: 5.33169059357849
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: StrengthRemainingGL

Attr Group: Circumference
Alt Display Name: GL Remaining Strength (%)
Description: % remaining strength at the groundline
Displayed Units: store as PERCENT 0 TO 1 display as
PERCENT 0 TO 100
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 1
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Modulus of Rupture

Attr Group: Phys. Consts
Alt Display Name: Modulus of Rupture (psi)
Description: Modulus of rupture for the given species
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 8000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Modulus of Elasticity

Attr Group: Phys. Consts
Alt Display Name: Modulus of Elasticity (psi)
Description: Modulus of elasticty for the given species
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 1600000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Density

Attr Group: Phys. Consts
Alt Display Name: Density (lb/ft^3)
Description: Density for the given species in lbs per cubic inch
Displayed Units: store as POUNDS PER CUBIC INCH display as
POUNDS PER CUBIC FOOT or KILOGRAMS PER CUBIC METER
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.0347222222222222
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PoleMfgLength

<div style="text-align:right;">

Attr Group: Phys. Consts
Alt Display Name: Pole Mfg Length (ft)
Description: Pole manufactured length in inches
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 480
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

</div>

Attr Name: Table No

Attr Group: Phys. Consts
Description: Table Designation
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: ANSI8
ReadOnly: Yes
Visible: Yes
Incl When Subst: Yes

Attr Name: Offset

Attr Group: Multi Pole
Alt Display Name: Offset (ft)
Description: Pole offset in feet
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default:
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: Aux Data 1

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 2

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 3

Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset

ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 4
Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 5
Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 6
Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 7
Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Aux Data 8
Attr Group: User Data
Description:
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Unset
ReadOnly: No
Visible: Yes
Incl When Subst: No

Anchor

Attr Name: Description
Description: Description of the anchor
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Anchor

ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: Owner

Description:	Owner
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	<Undefined>
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: CoordinateZ

Alt Display Name:	Height from GL (ft)
Description:	The vertical distance from the butt of the pole to the anchor point
Displayed Units:	store as HEIGHT from BUTT in INCHES display as HEIGHT from GL in FEET or METERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERZ
Default:	0
ReadOnly:	Yes
Visible:	No
Incl When Subst:	No

Attr Name: CoordinateX

Alt Display Name:	Lead Length (ft)
Description:	The horizontal lead length from the pole to the anchor point
Displayed Units:	store as INCHES display as FEET or METERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERX
Default:	381
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: CoordinateA

Alt Display Name:	Lead Angle (°)
Description:	Lead Angle
Displayed Units:	store as RADIANS display as DEGREES
User Level Required:	All user levels may access this attribute
Format Expression:	0
Attr Type:	TRACKERA
Default:	1.5707963267949
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: DeltaHeight

Alt Display Name:	Delta Height (ft)
Description:	Delta Height
Displayed Units:	store as INCHES display as FEET or METERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.0
Attr Type:	TRACKERZ
Default:	0
ReadOnly:	No
Visible:	Yes

Incl When Subst: Yes

Attr Name: **OffsetAngle**

Alt Display Name:	Offset Angle (°)
Description:	Offset Angle
Displayed Units:	store as RADIANS display as DEGREES SIGNED
User Level Required:	All user levels may access this attribute
Format Expression:	0.0
Attr Type:	TRACKERA
Default:	0.0
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **RodDiameterInInches**

Alt Display Name:	Rod Diameter (in)
Description:	The diameter of the rod associated with this anchor
Displayed Units:	store as INCHES display as INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.000
Attr Type:	FLOAT
Default:	0.75
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **RodLengthAboveGLInInches**

Alt Display Name:	Rod Length AGL (in)
Description:	The length of the rod associated with this anchor above GL
Displayed Units:	store as INCHES display as INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.0
Attr Type:	FLOAT
Default:	30
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **RodDescription**

Alt Display Name:	Rod Description
Description:	Description of the rod used at the site of the anchor
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	Joslyn Copperbonded 1in x 10ft Twineye
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **RodStrength**

Alt Display Name:	Rod Strength (lbs)
Description:	The strength of the rod in pounds
Displayed Units:	store as POUNDS display as POUNDS or KILOGRAMS
User Level Required:	Limited users can NOT access this attribute
Format Expression:	0
Attr Type:	FLOAT
Default:	45000
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: MaxGuys

Alt Display Name: Max Guys
Description: The maximum number of guys that can be attached to the rod
User Level Required: Limited users can NOT access this attribute
Attr Type: PLUSMINUS
Default: 2
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: MergeAnchors

Alt Display Name: Merge Anchors
Description: Merge with anchors at same position,
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: SoilClass

Alt Display Name: Soil Class
Description: The class of soil at the site of the anchor
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Class 4
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Class 0 (Sound Hard Rock, Unweathered)
Class 1 (Very Dense and/or cemented sands, coarse Gravel and cobbles)
Class 2 (Dense Fine Sand; Very hard silts and clays (may be preloaded))
Class 3 (Dense Clayey sands and gravel; hard silts and clays)
Class 4 (Medium Dense Sandy gravel; very stiff to hard silts and clays)
Class 5 (Medium dense coarse sand and sandy gravels; stiff to very stiff silts and clays)
Class 6 (Loose to medium dense fine to coarse sand; firm to stiff clays and silts)
Class 7 (Loose fine sand, alluvium; loose soft-firm clays; varied clays; fill)
Class 8 (Peat; organic silts; inundated silts, fly ash)

Attr Name: HoldingStrength

Alt Display Name: Holding Strength (lbs)
Description: The holding strength of anchor in pounds for the selected soil class
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0
Attr Type: FLOAT
Default: 20000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Node

Attr Group: Multi Pole
Alt Display Name: Multi Pole Node
Description: Indicates if the node is a multipole node
User Level Required: All user levels may access this attribute

```
              Attr Type:  BOOLEAN
               Default:  No
             ReadOnly:  No
              Visible:  No
       Incl When Subst:  Yes
```

Attr Name: **NodeOffset**

```
           Attr Group:  Multi Pole
      Alt Display Name:  Node Offset (ft)
           Description:  Multi Pole node offset in feet
       Displayed Units:  store as INCHES display as
                         FEET or METERS
   User Level Required:  All user levels may access this attribute
     Format Expression:  0.00
              Attr Type:  TRACKERX
               Default:
             ReadOnly:  No
              Visible:  No
       Incl When Subst:  No
```

Attr Name: **NodeHeight**

```
           Attr Group:  Multi Pole
      Alt Display Name:  Node Height (ft)
           Description:  Multi Pole node height in feet
       Displayed Units:  store as INCHES display as
                         FEET or METERS
   User Level Required:  All user levels may access this attribute
     Format Expression:  0.00
              Attr Type:  TRACKERX
               Default:
             ReadOnly:  No
              Visible:  No
       Incl When Subst:  No
```

Crossarm

Attr Name: **CoordinateX**

```
      Alt Display Name:  Pole Offset (in)
           Description:  Distance from the center of the pole to the center of the crossarm
       Displayed Units:  store as INCHES display as
                         INCHES or CENTIMETERS
   User Level Required:  All user levels may access this attribute
     Format Expression:  0.00
              Attr Type:  TRACKERX
               Default:  0
             ReadOnly:  No
              Visible:  No
       Incl When Subst:  No
```

Attr Name: **Description**

```
           Description:  Description of crossarm
   User Level Required:  All user levels may access this attribute
              Attr Type:  STRING
               Default:  Crossarm
             ReadOnly:  No
              Visible:  Yes
       Incl When Subst:  Yes
```

Attr Name: **Owner**

```
           Description:  Owner
   User Level Required:  All user levels may access this attribute
              Attr Type:  STRING
```

Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateZ

Alt Display Name: Install Height (ft)
Description: Distance from the butt of the parent pole to the center of the crossarm
Displayed Units: store as HEIGHT from BUTT in INCHES display as
HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 462
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Rotation (°)
Description: The rotation angle around the center of the pole
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0
Attr Type: TRACKERA
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Type

Alt Display Name: Install Type
Description: Crossarm type (centered or offset)
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Normal
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Normal (Normal)
Offset (Offset)
Pole Extension (Pole Extension)
Full Gull (Full Gull)
Half Gull (Half Gull)

Attr Name: Count

Alt Display Name: Arm Count
Description: Crossarm count (1 or 2)
User Level Required: All user levels may access this attribute
Attr Type: PLUSMINUS
Default: 1
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Braced

Attr Group: Brace
Description: Indicates if the crossarm is braced
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No

Visible: Yes
Incl When Subst: Yes

Attr Name: BraceOffset

Attr Group: Brace
Alt Display Name: Brace Horiz Offset (in)
Description: Horizontal distance to brace point
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Attr Type: TRACKERX
Default: 24.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: BraceDrop

Attr Group: Brace
Alt Display Name: Brace Vert Offset (in)
Description: Vertical distance to brace point
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Attr Type: TRACKERZ
Default: 24.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: LengthInInches

Attr Group: Dimensions
Alt Display Name: Arm Length (ft)
Description: The length from the crossarm from tip to tip
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 96
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: HeightInInches

Attr Group: Dimensions
Alt Display Name: Arm Height (in)
Description: The distance from the top of the crossarm to the bottom
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 4.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DepthInInches

Attr Group: Dimensions
Alt Display Name: Arm Depth (in)
Description: The distance (depth) from the face of the crossarm to the surface of the
pole in inches
Displayed Units: store as INCHES display as

INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 3.5
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Tilt
Attr Group: Physical
Alt Display Name: Arm Tilt
Description: The crossarm tilt in radians.
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERA
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: VerticalOffset
Attr Group: Physical
Alt Display Name: Vertical Offset (in)
Description: Vertical Offset in Inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERZ
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: HorizontalOffset
Attr Group: Physical
Alt Display Name: Horizontal Offset (in)
Description: Horizontal Offset in Inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERX
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Weight
Attr Group: Physical
Alt Display Name: Arm Weight (lbs)
Description: Crossarm weight in pounds
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: All user levels may access this attribute
Attr Type: FLOAT
Default: 50
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Species

```
             Attr Group:  Physical
            Description:  Wood species of the crossarm
    User Level Required:  All user levels may access this attribute
              Attr Type:  STRING
                Default:  Southern Pine
               ReadOnly:  No
                Visible:  Yes
        Incl When Subst:  Yes
```

Attr Name: **Modulus of Rupture**

```
             Attr Group:  Physical
       Alt Display Name:  Modulus of Rupture (psi)
            Description:  Modulus of rupture for the given species
         Displayed Units:  store as PSI display as
                          PSI or KILOPASCAL
    User Level Required:  Limited users can NOT access this attribute
      Format Expression:  0.0
              Attr Type:  FLOAT
                Default:  8000
               ReadOnly:  No
                Visible:  Yes
        Incl When Subst:  Yes
```

Attr Name: **Modulus of Elasticity**

```
             Attr Group:  Physical
       Alt Display Name:  Modulus of Elasticity (psi)
            Description:  Modulus of elasticty for the crossarm
         Displayed Units:  store as PSI display as
                          PSI or KILOPASCAL
    User Level Required:  Limited users can NOT access this attribute
      Format Expression:  0.00###E+0
              Attr Type:  FLOAT
                Default:  1600000
               ReadOnly:  No
                Visible:  Yes
        Incl When Subst:  Yes
```

Attr Name: **Analysis Mode**

```
             Attr Group:  Analysis
       Alt Display Name:  Capacity Method
            Description:  Analysis Mode
    User Level Required:  Limited users can NOT access this attribute
              Attr Type:  ENUMERATED
                Default:  Automatic
               ReadOnly:  No
                Visible:  Yes
        Incl When Subst:  Yes
            Enum Values:  Automatic (Automatic)
                          Manual (Manual)
```

Attr Name: **AllowableMomentVertical**

```
             Attr Group:  Analysis
       Alt Display Name:  Max Moment Vert (ft-lb)
            Description:  AllowableMomentVertical
         Displayed Units:  store as FTLBS display as
                          FTLBS or NEWTONMETERS
    User Level Required:  Limited users can NOT access this attribute
      Format Expression:  0.0
              Attr Type:  FLOAT
                Default:  500
               ReadOnly:  No
                Visible:  Yes
        Incl When Subst:  Yes
```

Attr Name: AllowableMomentLongitudinal

Attr Group:	Analysis
Alt Display Name:	Max Moment Long (ft-lb)
Description:	AllowableMomentLongitudinal
Displayed Units:	store as FTLBS display as FTLBS or NEWTONMETERS
User Level Required:	Limited users can NOT access this attribute
Format Expression:	0.0
Attr Type:	FLOAT
Default:	500
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: AllowableLoadTransverse

Attr Group:	Analysis
Alt Display Name:	Max Load Shear (lbs)
Description:	AllowableLoadTransverse
Displayed Units:	store as POUNDS display as POUNDS or NEWTONS
User Level Required:	Limited users can NOT access this attribute
Format Expression:	0.0
Attr Type:	FLOAT
Default:	0
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: AllowableLoadLongitudinal

Attr Group:	Analysis
Alt Display Name:	Max Load Tension (lbs)
Description:	AllowableLoadLongitudinal
Displayed Units:	store as POUNDS display as POUNDS or NEWTONS
User Level Required:	Limited users can NOT access this attribute
Format Expression:	0.0
Attr Type:	FLOAT
Default:	0
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: OverrideStrength

Attr Group:	Analysis
Alt Display Name:	Override Strength Factor
Description:	Override Nominal Strength Factor
User Level Required:	Limited users can NOT access this attribute
Attr Type:	BOOLEAN
Default:	No
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: StrengthFactor

Attr Group:	Analysis
Alt Display Name:	Strength Factor
Description:	Crosarm Strength Factor value
User Level Required:	Limited users can NOT access this attribute
Format Expression:	0.00##
Attr Type:	FLOAT
Default:	0.50
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: Analysis Method

Attr Group:	Analysis
Description:	Analysis Method
User Level Required:	Limited users can NOT access this attribute
Attr Type:	ENUMERATED
Default:	Superposition
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	Superposition (Superposition)
	Interaction (Interaction)
	Worst Axis (Worst Axis)

Attr Name: Offset

Attr Group:	Multi Pole
Alt Display Name:	Offset (ft)
Description:	Multi Pole offset in feet
Displayed Units:	store as INCHES display as FEET or METERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERX
Default:	
ReadOnly:	No
Visible:	No
Incl When Subst:	No

Insulator

Attr Name: Description

Description:	Description of the insulator.
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	Insulator, 15 kV
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: Owner

Description:	Owner
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	<Undefined>
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: Type

Description:	The span connector type. This may be a style of insulator, j-hook, or other hardware used to attach spans to the pole.
User Level Required:	All user levels may access this attribute
Attr Type:	ENUMERATED
Default:	Pin
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	Pin (Pin)
	Post (Post)
	Davit (Davit)
	Spool (Spool)
	Underhung (Underhung)

Suspension (Suspension)
Deadend (Deadend)
J-Hook (J-Hook)
Bolt (Bolt)

Attr Name: CoordinateZ

Alt Display Name: Install Height (ft)
Description: The Z coordinate relative to the parent. This value is frequently set by
SnapToParent
Displayed Units: store as HEIGHT from BUTT in INCHES display as
HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 300.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA

Alt Display Name: Rotation (°)
Description: The rotation of the insulator / span holder relative to its parent. If the
orientation is non-zero the stalk with lean alone this axis
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Side

Description: The span connector pole side (for insulators on a pole only).
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Inline
ReadOnly: No
Visible: Yes
Incl When Subst: No
Enum Values: Street (Street)
Field (Field)
Inline (Inline)
Front (Front)
Back (Back)
Both (Both)

Attr Name: CoordinateX

Alt Display Name: Horizontal Offset (in)
Description: Distance from the center of the parent. In the case of a crossarm this is
the position along the arm. In the case of poles this is typically set by SnapToParent
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LengthInInches

Attr Group: Properties
Alt Display Name: Unit Length (in)
Description: The total length of the insulator structure
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 8.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DavitAngle

Alt Display Name: Davit Angle (°)
Description: Davit angle in radians.
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERA
Default: 1.18682389135614
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Pitch

Attr Group: Properties
Alt Display Name: Tilt (°)
Description: Pitch in radians.
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERA
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Crab

Attr Group: Properties
Alt Display Name: Crab Angle (°)
Description: Crab angle in radians.
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERA
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: WidthInInches

Attr Group: Properties
Alt Display Name: Unit Width (in)
Description: The effective width for wind area of the insulator structure
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 3.00
ReadOnly: No

Visible: Yes
Incl When Subst: Yes

Attr Name: **Weight**

Attr Group: Properties
Alt Display Name: Unit Weight (lbs)
Description: Weight of the insulator / span holder in pounds
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 8.99
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **Sheds**

Attr Group: Properties
Alt Display Name: Shed Count
Description: Number of sheds
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: <default>
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: <default> (<default>)
1 (1)
2 (2)
3 (3)
4 (4)
5 (5)
6 (6)
7 (7)
8 (8)

Attr Name: **EndFitting**

Attr Group: Properties
Alt Display Name: Line End Fitting
Description: Line End Fitting
User Level Required: Limited users can NOT access this attribute
Attr Type: ENUMERATED
Default: Clamped
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Clamped (Clamped)
Free (Free)

Span

Attr Name: **CoordinateX**

Description: The X coordinate relative to parent. SnapToParent will set the value
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default:
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: **CoordinateZ**

Description: The Z coordinate relative to parent. SnapToParent will set the value
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default:
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: SpanType

Description: What type of span is this (CATV, Telco, Primary, Secondary / Service)
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Primary
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Primary (Primary)
Secondary (Secondary)
Service (Service)
Neutral (Neutral)
Telco (Telco)
CATV (CATV)
Fiber (Fiber)
Sub-Transmission (Sub-Transmission)
Other (Other)
Unknown (Unknown)

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Type

Alt Display Name: Description
Description: The name, type, material, code, or other designation assigned to this
span type by the owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Generic Span
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: CoordinateA

Alt Display Name: Rotation (°)
Description: The relative angle between this span its proximal connection at it's
parent insulator or other holding structure
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: SpanDistanceInInches

Alt Display Name: Span Length (ft)

Description: The horizontal component of the distance between the proximal and distal ends of the span

Displayed Units: store as INCHES display as FEET or METERS

User Level Required: All user levels may access this attribute

Format Expression: 0.00

Attr Type: TRACKERX

Default: 600.00

ReadOnly: No

Visible: Yes

Incl When Subst: No

Attr Name: SpanEndHeightDelta

Alt Display Name: End Drop/Rise (ft)

Description: The vertical component of the distance between the proximal and distal ends of the span

Displayed Units: store as INCHES display as FEET or METERS

User Level Required: All user levels may access this attribute

Format Expression: 0.00

Attr Type: TRACKERZ

Default: 0.00

ReadOnly: No

Visible: Yes

Incl When Subst: No

Attr Name: MidspanDeflection

Attr Group: Tension Sag

Alt Display Name: Span Sag (ft)

Description: The vertical deflection between the proximal end of the span an the maximum deflection point of the catenary curve

Displayed Units: store as INCHES display as FEET or METERS

User Level Required: All user levels may access this attribute

Format Expression: 0.00

Attr Type: TRACKERZ

Default: 0.00

ReadOnly: No

Visible: Yes

Incl When Subst: No

Attr Name: Tension Type

Attr Group: Tension Sag

Description: Is the tension value calculated or static

User Level Required: All user levels may access this attribute

Attr Type: ENUMERATED

Default: Static

ReadOnly: No

Visible: Yes

Incl When Subst: No

Enum Values: Static (The tension is a static normal constant supplied by the operator or other data source)

Slack (The tension is a static slack constant supplied by the operator or other data source)

Sag to Tension (The tension is calculated based on the values entered for sag, weight, and LoadCase)

Tension to Sag (The tension is based on initial stringing tension and LoadCase)

Attr Name: Tension

Attr Group: Tension Sag

Alt Display Name: Tension (lbs)

Description: The tension value used only when "Tension Type" is "Static"

Displayed Units: store as POUNDS display as POUNDS or NEWTONS

User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **SlackTension**

Attr Group: Tension Sag
Alt Display Name: Slack Tension (lbs)
Description: The tension value used only when "Tension Type" is "Slack"
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 10.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **RatedStrength**

Attr Group: Tension Sag
Alt Display Name: Rated Strength (lbs)
Description: The rated strength in pounds.
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 5000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **ConductorDiameter**

Alt Display Name: Span Diameter (in)
Description: The conductor diameter in inches including the insulation.
Displayed Units: store as INCHES display as
INCHES or MILLIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0000
Attr Type: FLOAT
Default: 0.50
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **OverrideTemp**

Attr Group: Temperature
Alt Display Name: Override Temp
Description: Override Nominal Temperature
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **Temperature**

Attr Group: Temperature
Alt Display Name: Temp Nom (°f)

Description: Temperature
Displayed Units: store as FAHRENHEIT display as
FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 65
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: TempMin

Attr Group: Temperature
Alt Display Name: Temp Min (°f)
Description: Minimum Temperature
Displayed Units: store as FAHRENHEIT display as
FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 32
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: TempMax

Attr Group: Temperature
Alt Display Name: Temp Max (°f)
Description: Maximum Temperature
Displayed Units: store as FAHRENHEIT display as
FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 212
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PoundsPerInch

Attr Group: Phys Const
Alt Display Name: Span Weight (lbs/ft)
Description: The weight per unit of running length
Displayed Units: store as POUNDS PER IN display as
POUNDS PER FT or KILOGRAMS PER METER
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0000
Attr Type: FLOAT
Default: 0.0076
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ModulusOfElasticity

Attr Group: Phys Const
Alt Display Name: Modulus of Elasticity (psi)
Description: ModulusOfElasticity
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 11200000
ReadOnly: No
Visible: Yes

Incl When Subst: Yes

Attr Name: **PercentSolid**

Attr Group:	Phys Const
Alt Display Name:	Percent Solid
Description:	Percent Solid
Displayed Units:	store as PERCENT 0 TO 1 display as PERCENT 0 TO 100
User Level Required:	Limited users can NOT access this attribute
Attr Type:	FLOAT
Default:	0.75
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **ThermalCoefficient**

Attr Group:	Phys Const
Alt Display Name:	Thermal Coef ((in/in)/°f)
Description:	ThermalCoefficient
Displayed Units:	store as THERMAL COEFFICIENT
User Level Required:	Limited users can NOT access this attribute
Format Expression:	0.00###E+0
Attr Type:	FLOAT
Default:	0.0000106
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **CreepCoefficient**

Attr Group:	Phys Const
Alt Display Name:	Creep Coef ((in/in)/lb)
Description:	CreepCoefficient
Displayed Units:	store as CREEP COEFFICIENT
User Level Required:	Limited users can NOT access this attribute
Format Expression:	0.00###E+0
Attr Type:	FLOAT
Default:	0.000
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **VerticalOffset**

Attr Group:	Phys Const
Alt Display Name:	Vertical Offset (in)
Description:	Vertical Offset in Inches
Displayed Units:	store as INCHES display as INCHES or CENTIMETERS
User Level Required:	Limited users can NOT access this attribute
Attr Type:	TRACKERZ
Default:	0.0
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **HorizontalOffset**

Attr Group:	Phys Const
Alt Display Name:	Horizontal Offset (in)
Description:	Horizontal Offset in Inches
Displayed Units:	store as INCHES display as INCHES or CENTIMETERS
User Level Required:	Limited users can NOT access this attribute
Attr Type:	TRACKERX
Default:	0.0

ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: HasInlineBox

Attr Group: Junction
Alt Display Name: Inline Junction
Description: Flag set to indicate whther or not a span has an inline junction box on it
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: BoxOffset

Attr Group: Junction
Alt Display Name: Junc Box Offset (in)
Description: The distance down a line where a junction box is located
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 15.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: BoxLength

Attr Group: Junction
Alt Display Name: Junc Box Len (in)
Description: Junction box length in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 20.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: BoxDiameter

Attr Group: Junction
Alt Display Name: Junc Box Diam (in)
Description: Junction box diameter in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 8.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: BoxWeight

Attr Group: Junction
Alt Display Name: Junc Box Weight (lbs)
Description: Junction box weight in pounds
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS

User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	5.00
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: HasDripLoop

Attr Group:	DripLoop
Alt Display Name:	Drip Loop
Description:	Flag set to indicate whther or not a span has a drip loop on it
User Level Required:	All user levels may access this attribute
Attr Type:	BOOLEAN
Default:	No
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: DripLoopOffset

Attr Group:	DripLoop
Alt Display Name:	Drip Loop Offset (in)
Description:	The distance down a line where a drip loop is located
Displayed Units:	store as INCHES display as INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	2.00
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: DripLoopLength

Attr Group:	DripLoop
Alt Display Name:	Drip Loop Len (in)
Description:	Drip loop length in inches
Displayed Units:	store as INCHES display as INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	20.00
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: DripLoopHeight

Attr Group:	DripLoop
Alt Display Name:	Drip Loop Height (in)
Description:	Drip loop height in inches
Displayed Units:	store as INCHES display as INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	10.00
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: Modifier

Description:	Special type modifier.

User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: None
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Overlashed (Overlashed)
Bundled (Bundled)
Corrugated (Corrugated)
Flexpipe (Flexpipe)
Irregular (Irregular)
None (None)

SpanBundle

Attr Name: CoordinateX
Description: The X coordinate relative to parent. SnapToParent will set the value
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default:
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: CoordinateZ
Description: The Z coordinate relative to parent. SnapToParent will set the value
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default:
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: SpanType
Description: What type of span is this (CATV, Telco, Primary, Secondary / Service)
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Span Bundle
ReadOnly: No
Visible: No
Incl When Subst: Yes
Enum Values: Primary (Primary)
Secondary (Secondary)
Service (Service)
Neutral (Neutral)
Telco (Telco)
CATV (CATV)
Fiber (Fiber)
Sub-Transmission (Sub-Transmission)
Other (Other)
Unknown (Unknown)

Attr Name: Owner
Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Type

Alt Display Name: Description
Description: The name, type, material, code, or other designation assigned to this
span type by the owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Bundle
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Construction
Alt Display Name: Bundle Type
Description: Bundle Construction
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Overlashed
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Overlashed (Overlashed)
Spacers (Spacers)
Bonded (Bonded)
Twist/Braid (Twist/Braid)
Wrapped (Wrapped)
Other (Other)

Attr Name: BundleIceMode
Attr Group: Bundle Ice/Wind
Alt Display Name: Bundle Ice Mode
Description: Geometry for ice accumulation
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Individual
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Individual (Individual)
Min Circle (Min Circle)
Convex Hull (Convex Hull)
Concave Hull (Concave Hull)

Attr Name: BundleWindMode
Attr Group: Bundle Ice/Wind
Alt Display Name: Bundle Wind Mode
Description: Geometry for wind area
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Individual
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Individual (Individual)
Min Circle (Min Circle)
Convex Hull (Convex Hull)
Concave Hull (Concave Hull)

Attr Name: CoordinateA
Alt Display Name: Rotation (°)
Description: The relative angle between this span its proximal connection at it's
parent insulator or other holding structure
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA

Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: **SpanDistanceInInches**

Alt Display Name: Span Length (ft)
Description: The horizontal component of the distance between the proximal and distal ends of the span
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 600.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: **SpanEndHeightDelta**

Alt Display Name: End Drop/Rise (ft)
Description: The vertical component of the distance between the proximal and distal ends of the span
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: **MidspanDeflection**

Attr Group: Tension Sag
Alt Display Name: Span Sag (ft)
Description: The vertical deflection between the proximal end of the span an the maximum deflection point of the catenary curve
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: **Tension Type**

Attr Group: Tension Sag
Description: Is the tension value calculated or static
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Static
ReadOnly: No
Visible: Yes
Incl When Subst: No
Enum Values: Static (The tension is a static normal constant supplied by the operator or other data source)

Slack (The tension is a static slack constant supplied by the operator or other data source)

Sag to Tension (The tension is calculated based on the values entered for sag, weight, and LoadCase)

Tension to Sag (The tension is based on initial stringing tension and LoadCase)

Attr Name: Tension

Attr Group:	Tension Sag
Alt Display Name:	Tension (lbs)
Description:	The tension value used only when "Tension Type" is "Static"
Displayed Units:	store as POUNDS display as POUNDS or NEWTONS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	0
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: SlackTension

Attr Group:	Tension Sag
Alt Display Name:	Slack Tension (lbs)
Description:	The tension value used only when "Tension Type" is "Slack"
Displayed Units:	store as POUNDS display as POUNDS or NEWTONS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	10.0
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: RatedStrength

Attr Group:	Tension Sag
Alt Display Name:	Msgr Rated Strength (lbs)
Description:	The rated strength in pounds.
Displayed Units:	store as POUNDS display as POUNDS or NEWTONS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	5000
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: ConductorDiameter

Alt Display Name:	Msgr Diam (in)
Description:	The conductor diameter in inches including the insulation.
Displayed Units:	store as INCHES display as INCHES or MILLIMETERS
User Level Required:	Limited users can NOT access this attribute
Format Expression:	0.0000
Attr Type:	FLOAT
Default:	0.5
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: OverrideTemp

Attr Group:	Temperature
Alt Display Name:	Override Temp
Description:	Override Nominal Temperature
User Level Required:	All user levels may access this attribute
Attr Type:	BOOLEAN
Default:	No

ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **Temperature**

Attr Group: Temperature
Alt Display Name: Temp Nom (°f)
Description: Temperature
Displayed Units: store as FAHRENHEIT display as
FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 65
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **TempMin**

Attr Group: Temperature
Alt Display Name: Temp Min (°f)
Description: Minimum Temperature
Displayed Units: store as FAHRENHEIT display as
FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 32
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **TempMax**

Attr Group: Temperature
Alt Display Name: Temp Max (°f)
Description: Maximum Temperature
Displayed Units: store as FAHRENHEIT display as
FAHRENHEIT or Celsius
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: FLOAT
Default: 212
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **PoundsPerInch**

Attr Group: Phys Const
Alt Display Name: Msgr Span Weight (lbs/ft)
Description: The weight per unit of running length
Displayed Units: store as POUNDS PER IN display as
POUNDS PER FT or KILOGRAMS PER METER
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0000
Attr Type: FLOAT
Default: 0.0076
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **ModulusOfElasticity**

Attr Group: Phys Const
Alt Display Name: Msgr Modulus of Elasticity (psi)

Description: ModulusOfElasticity
Displayed Units: store as PSI display as
PSI or KILOPASCAL
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 11200000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: PercentSolid

Attr Group: Phys Const
Alt Display Name: Msgr Percent Solid
Description: Percent Solid
Displayed Units: store as PERCENT 0 TO 1 display as
PERCENT 0 TO 100
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default: 0.75
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ThermalCoefficient

Attr Group: Phys Const
Alt Display Name: Msgr Thermal Coef ((in/in)/°f)
Description: ThermalCoefficient
Displayed Units: store as THERMAL COEFFICIENT
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.0000106
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: CreepCoefficient

Attr Group: Phys Const
Alt Display Name: Msgr Creep Coef ((in/in)/lb)
Description: CreepCoefficient
Displayed Units: store as CREEP COEFFICIENT
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00###E+0
Attr Type: FLOAT
Default: 0.000
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: VerticalOffset

Attr Group: Phys Const
Alt Display Name: Vertical Offset (in)
Description: Vertical Offset in Inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERZ
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name:HorizontalOffset

Attr Group: Phys Const
Alt Display Name: Horizontal Offset (in)
Description: Horizontal Offset in Inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERX
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: HasInlineBox

Alt Display Name: Inline Junction
Description: Flag set to indicate whther or not a span has an inline junction box on it
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: BoxOffset

Alt Display Name: Junc Box Offset (in)
Description: The distance down a line where a junction box is located
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 15.00
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: BoxLength

Alt Display Name: Junc Box Len (in)
Description: Junction box length in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 20.00
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: BoxDiameter

Alt Display Name: Junc Box Diam (in)
Description: Junction box diameter in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 8.00
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: BoxWeight

Alt Display Name:	Junc Box Weight (lbs)
Description:	Junction box weight in pounds
Displayed Units:	store as POUNDS display as
	POUNDS or KILOGRAMS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	5.00
ReadOnly:	No
Visible:	No
Incl When Subst:	No

Attr Name: HasDripLoop

Attr Group:	DripLoop
Alt Display Name:	Drip Loop
Description:	Flag set to indicate whther or not a span has a drip loop on it
User Level Required:	All user levels may access this attribute
Attr Type:	BOOLEAN
Default:	No
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: DripLoopOffset

Attr Group:	DripLoop
Alt Display Name:	Drip Loop Offset (in)
Description:	The distance down a line where a drip loop is located
Displayed Units:	store as INCHES display as
	INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	2.00
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: DripLoopLength

Attr Group:	DripLoop
Alt Display Name:	Drip Loop Len (in)
Description:	Drip loop length in inches
Displayed Units:	store as INCHES display as
	INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	20.00
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: DripLoopHeight

Attr Group:	DripLoop
Alt Display Name:	Drip Loop Height (in)
Description:	Drip loop height in inches
Displayed Units:	store as INCHES display as
	INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	FLOAT
Default:	10.00
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: Modifier
Description: Special type modifier.
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: None
ReadOnly: No
Visible: No
Incl When Subst: Yes
Enum Values: Overlashed (Overlashed)
Bundled (Bundled)
Corrugated (Corrugated)
Flexpipe (Flexpipe)
Irregular (Irregular)
None (None)

Tap

Attr Name: Description
Description: Description of the tap
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Flying Tap
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner
Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA
Alt Display Name: Base Angle (°)
Description: Angle
Displayed Units: store as RADIANS display as DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0
Attr Type: TRACKERA
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: OffsetInches
Alt Display Name: Offset (ft)
Description: Offset from start of pole
Displayed Units: store as INCHES display as FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERX
Default: 60
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

PowerEquipment

Attr Name: CoordinateX
Alt Display Name: Pole Radius at Height (in)
Description: Internal attribute which holds the radius of the pole at the given height.
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 10
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: Description
Description: Description or Transformer Catalog name
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: 1PH- 25KVA
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner
Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateZ
Alt Display Name: Install Height (ft)
Description: The distance in inches from the butt of the pole to the center of the
transformer can
Displayed Units: store as HEIGHT from BUTT in INCHES display as
HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 420
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: CoordinateA
Alt Display Name: Rotation (°)
Description: Angle of bank relative to the parent structure (typically pole)
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Pole Gap
Alt Display Name: Gap (in)
Description: Distance between pole and can in inches

Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 6
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Type

Description: Equipment Type
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Transformer
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Transformer (Transformer)
Regulator (Voltage Regulator)
Capacitor (Capacitor)
Switch (Switch)
Fuse (Switch)
Box (Misc Box)

Attr Name: Mount

Description: The type of mount used to install the equipment
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Pole
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Pole (Standard pole bank mount)
Rack (Equipment are mounted on a rack which is mounted to the pole)

Attr Name: Qty

Alt Display Name: Unit Count
Description: Number of units
User Level Required: All user levels may access this attribute
Attr Type: PLUSMINUS
Default: 1
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Array Angle

Alt Display Name: Unit Spacing (°)
Description: Angle between cans
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERA
Default: 1.5707963267949
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Rack Spacing

Alt Display Name: Rack Spacing (in)
Description: The distance between items on a rack
Displayed Units: store as INCHES display as

INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DiameterInInches

Alt Display Name: Unit Diameter/Width (in)
Description: The Diameter of the transformer can in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 22
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: HeightInInches

Alt Display Name: Unit Height (in)
Description: The Height of the transformer can in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 39
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DepthInInches

Alt Display Name: Unit Depth (in)
Description: The Depth of the transformer can in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 39
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Weight

Alt Display Name: Unit Weight (lbs)
Description: The weight of each individual transformer can in pounds
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 365.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Streetlight

Attr Name: **CoordinateX**

Description: The horizontal position of the base plate relative to the center of the
pole in inches
User Level Required: All user levels may access this attribute
Attr Type: FLOAT
Default:
ReadOnly: No
Visible: No
Incl When Subst: No

Attr Name: **Description**

Description: Description of streetlight
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Streetlight
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **Owner**

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: **Type**

Description: General type of light to model.
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: General
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: General (General)
Decorative (Decorative)
Spot Light (Spot Light)
Flood Light (Flood Light)
Traffic Signal (Traffic Signal)

Attr Name: **CoordinateZ**

Alt Display Name: Install Height (ft)
Description: The distance fromt the center of the base plate to the butt of the pole in
inches
Displayed Units: store as HEIGHT from BUTT in INCHES display as
HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 300.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: **CoordinateA**

Alt Display Name: Rotation (°)
Description: The angle of the streetlight relative to the parent structure in radians
Displayed Units: store as RADIANS display as
DEGREES
User Level Required: All user levels may access this attribute
Format Expression: 0.00

```
             Attr Type:  TRACKERA
               Default:  0.00
              ReadOnly:  No
               Visible:  Yes
       Incl When Subst:  No
```

Attr Name: LengthInInches

```
     Alt Display Name:  Arm Length (in)
          Description:  The horizontal length from the face of the pole to the tip of the
```
streetlight
```
      Displayed Units:  store as INCHES display as
                        INCHES or CENTIMETERS
  User Level Required:  All user levels may access this attribute
    Format Expression:  0.00
            Attr Type:  FLOAT
              Default:  96.00
             ReadOnly:  No
              Visible:  Yes
      Incl When Subst:  Yes
```

Attr Name: ArmDiameterInInches

```
     Alt Display Name:  Arm Diameter (in)
          Description:  The diameter or thickness of the arm of the streetlight assembly
      Displayed Units:  store as INCHES display as
                        INCHES or CENTIMETERS
  User Level Required:  Limited users can NOT access this attribute
    Format Expression:  0.00
            Attr Type:  FLOAT
              Default:  3.00
             ReadOnly:  No
              Visible:  Yes
      Incl When Subst:  Yes
```

Attr Name: ArmRiseInInches

```
     Alt Display Name:  Arm Rise (in)
          Description:  The horizontal length from the face of the pole to the tip of the
```
streetlight
```
      Displayed Units:  store as INCHES display as
                        INCHES or CENTIMETERS
  User Level Required:  Limited users can NOT access this attribute
    Format Expression:  0.00
            Attr Type:  FLOAT
              Default:  25.00
             ReadOnly:  No
              Visible:  Yes
      Incl When Subst:  Yes
```

Attr Name: CanDiameterInInches

```
     Alt Display Name:  Can Diameter (in)
          Description:  The diameter or thickness of the light fixture at the tip of the streetlight
```
assempbly
```
      Displayed Units:  store as INCHES display as
                        INCHES or CENTIMETERS
  User Level Required:  Limited users can NOT access this attribute
    Format Expression:  0.00
            Attr Type:  FLOAT
              Default:  22.00
             ReadOnly:  No
              Visible:  Yes
      Incl When Subst:  Yes
```

Attr Name: CanHeightInInches

```
     Alt Display Name:  Can Height (in)
```

Description: The height of the can of the light fixture
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 9.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Weight

Alt Display Name: Equip Weight(lbs)
Description: Weight of the streetlight in pounds
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 40.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

GuyBrace

Attr Name: Description

Description: Guy wire description
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Type

Description: Type
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Down
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Down (Down Guy)
Span/Head (Span Guy)
Sidewalk (Sidewalk Guy)
Crossarm (Crossarm Guy)
Pushbrace (Pushbrace)

Attr Name: CoordinateZ

Alt Display Name: Install Height (ft)
Description:
Displayed Units: store as HEIGHT from BUTT in INCHES display as

HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 453
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: StrutHeightInInches
Attr Group: Sidewalk
Alt Display Name: Strut Height (ft)
Description: Height of the strut from groundline if it is a sidewalk guy
Displayed Units: store as HEIGHT from BUTT in INCHES display as
HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 405
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: StrutLengthInInches
Attr Group: Sidewalk
Alt Display Name: Strut Length (ft)
Description: The length of the strut if it is a sidewalk guy
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 48
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: StrutDiameter
Attr Group: Sidewalk
Alt Display Name: Strut Diameter (in)
Description: The diameter of the strut
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 1.25
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: StrutWeightPerIn
Attr Group: Sidewalk
Alt Display Name: Strut Weight/Len (lbs/ft)
Description: The weight of the strut in lbs per unit length
Displayed Units: store as POUNDS PER IN display as
POUNDS PER FT or KILOGRAMS PER METER
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.189167
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: StrutCapacity

Attr Group:	Sidewalk
Alt Display Name:	Allowable Strut Load (lbs)
Description:	The capacity of the strut in lbs
Displayed Units:	store as POUNDS display as POUNDS or NEWTONS
User Level Required:	All user levels may access this attribute
Format Expression:	0
Attr Type:	FLOAT
Default:	2500
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: StrutFixity

Attr Group:	Sidewalk
Alt Display Name:	Strut Fixity
Description:	The fixity of the strut
User Level Required:	All user levels may access this attribute
Attr Type:	ENUMERATED
Default:	Pinned
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	Fixed (Strut Fixed) Pinned (Strut Pinned)

Attr Name: MergeStruts

Attr Group:	Sidewalk
Alt Display Name:	Merge Like Struts
Description:	Merge with like struts at same position,
User Level Required:	All user levels may access this attribute
Attr Type:	BOOLEAN
Default:	Yes
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: DeltaHeightInInches

Alt Display Name:	Span Guy DeltaHt (ft)
Description:	Difference in height of the far end if it is a span guy
Displayed Units:	store as INCHES display as FEET or METERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERZ
Default:	0
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: Diameter

Alt Display Name:	Diameter (in)
Description:	Guy wire diameter in inches
Displayed Units:	store as INCHES display as INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.000
Attr Type:	FLOAT
Default:	0.5
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: **PercentSolid**

Alt Display Name: Percent Solid
Description: Percent Solid
Displayed Units: store as PERCENT 0 TO 1 display as
PERCENT 0 TO 100
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default: 1.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **PreTension**

Alt Display Name: Pre-tension (lbs)
Description: Pre-tension in pounds
Displayed Units: store as POUNDS display as
POUNDS or NEWTONS
User Level Required: Limited users can NOT access this attribute
Attr Type: FLOAT
Default: 700
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **VerticalOffset**

Attr Group: Control
Alt Display Name: Vertical Offset (in)
Description: Vertical Offset in Inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERZ
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: **HorizontalOffset**

Attr Group: Control
Alt Display Name: Horizontal Offset (in)
Description: Horizontal Offset in Inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERX
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: **LateralOffset**

Attr Group: Control
Alt Display Name: Lateral Offset (in)
Description: LateralOffset Offset in Inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: Limited users can NOT access this attribute
Attr Type: TRACKERX
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Tension Mode

Attr Group:	Control
Description:	Tension mode
User Level Required:	All user levels may access this attribute
Attr Type:	ENUMERATED
Default:	Calculated
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes
Enum Values:	Calculated (Calculated)
	Manual (Manual)

Attr Name: Tension

Attr Group:	Control
Alt Display Name:	Man Tension (lbs)
Description:	Tension in pounds
Displayed Units:	store as POUNDS display as
	POUNDS or NEWTONS
User Level Required:	All user levels may access this attribute
Attr Type:	FLOAT
Default:	1500
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: RTS Strength

Alt Display Name:	Strength (lbs)
Description:	RTS Strength in pounds
Displayed Units:	store as POUNDS display as
	POUNDS or NEWTONS
User Level Required:	Limited users can NOT access this attribute
Attr Type:	FLOAT
Default:	26900
ReadOnly:	Yes
Visible:	Yes
Incl When Subst:	Yes

Attr Name: PoundsPerInch

Alt Display Name:	Weight (lbs/ft)
Description:	Linear weight in pounds per inch of length
Displayed Units:	store as POUNDS PER IN display as
	POUNDS PER FT or KILOGRAMS PER METER
User Level Required:	Limited users can NOT access this attribute
Format Expression:	0.0000
Attr Type:	FLOAT
Default:	0.03408
ReadOnly:	Yes
Visible:	Yes
Incl When Subst:	Yes

Attr Name: ModulusOfElasticity

Alt Display Name:	Modulus of Elasticity (psi)
Description:	ModulusOfElasticity
Displayed Units:	store as PSI display as
	PSI or KILOPASCAL
User Level Required:	Limited users can NOT access this attribute
Format Expression:	0.00###E+0
Attr Type:	FLOAT
Default:	26000000
ReadOnly:	Yes

Visible: Yes
                            Incl When Subst: Yes

Riser

Attr Name: Description
                             Description: Description of the riser
                    User Level Required: All user levels may access this attribute
                                Attr Type: STRING
                                  Default: Riser
                               ReadOnly: No
                                  Visible: Yes
                     Incl When Subst: Yes

Attr Name: Owner
                             Description: Owner
                    User Level Required: All user levels may access this attribute
                                Attr Type: STRING
                                  Default: <Undefined>
                               ReadOnly: No
                                  Visible: Yes
                     Incl When Subst: No

Attr Name: CoordinateA
                      Alt Display Name: Install Angle (°)
                             Description: Install Angle
                       Displayed Units: store as RADIANS display as
                                                DEGREES
                    User Level Required: All user levels may access this attribute
                    Format Expression: 0
                                Attr Type: TRACKERA
                                  Default: 1.5707963267949
                               ReadOnly: No
                                  Visible: Yes
                     Incl When Subst: No

Attr Name: DiameterInInches
                      Alt Display Name: Diameter (in)
                             Description: The diameter of the riser
                       Displayed Units: store as INCHES display as
                                                INCHES or CENTIMETERS
                    User Level Required: Limited users can NOT access this attribute
                    Format Expression: 0.000
                                Attr Type: FLOAT
                                  Default: 3.5
                               ReadOnly: No
                                  Visible: Yes
                     Incl When Subst: Yes

Attr Name: OffsetInInches
                      Alt Display Name: Standoff (in)
                             Description: The offset if the riser is on standoffs
                       Displayed Units: store as INCHES display as
                                                INCHES or CENTIMETERS
                    User Level Required: Limited users can NOT access this attribute
                    Format Expression: 0.000
                                Attr Type: TRACKERX
                                  Default: 0
                               ReadOnly: No
                                  Visible: Yes
                     Incl When Subst: Yes

Attr Name: **LengthAboveGLInInches**

Alt Display Name: Length AGL (ft)
Description: The length above GL
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERZ
Default: 300
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **PoundsPerInch**

Attr Group: Load Analysis
Alt Display Name: Weight (lbs/ft)
Description: The weight in pounds per inch of running length
Displayed Units: store as POUNDS PER IN display as
POUNDS PER FT or KILOGRAMS PER METER
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.0000
Attr Type: FLOAT
Default: 0.0833333
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **Apply Wind**

Attr Group: Load Analysis
Description: Apply wind to the riser?
User Level Required: Limited users can NOT access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **Wind Shadowing**

Attr Group: Load Analysis
Description: Does the pole shadow wind on the riser?
User Level Required: Limited users can NOT access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: **Self Supporting**

Attr Group: Load Analysis
Description: Is the riser vertically self supporting?
User Level Required: Limited users can NOT access this attribute
Attr Type: BOOLEAN
Default: No
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

GenericEquipment

Attr Name: **CoordinateX**

Description: The distance in inches from the center of the parent pole to the point

where the bracket is bolted to the pole

User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERX
Default:	10
ReadOnly:	No
Visible:	No
Incl When Subst:	No

Attr Name: Description

Description:	Description of equipment
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	Generic Equipment
ReadOnly:	No
Visible:	Yes
Incl When Subst:	Yes

Attr Name: Owner

Description:	Owner
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	<Undefined>
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: CoordinateZ

Alt Display Name:	Relative Height (ft)
Description:	The distance in inches from the bottom of the parent (butt of the pole for example) to the center of the equipment
Displayed Units:	store as HEIGHT from BUTT in INCHES display as HEIGHT from GL in FEET or METERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERZ
Default:	420
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: CoordinateA

Alt Display Name:	Rotation (°)
Description:	Angle of equipment relative to the parent structure (typically pole)
Displayed Units:	store as RADIANS display as DEGREES
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERA
Default:	0.00
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: Parent Gap

Alt Display Name:	Relative Gap (in)
Description:	Distance between parent and equipment in inches
Displayed Units:	store as INCHES display as INCHES or CENTIMETERS
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERX
Default:	6

ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Shape

Attr Group: Specifications
Description: Shape of equipment
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Box
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Box (Box)
Cylinder (Cylinder)

Attr Name: DiameterOrWidthInInches

Attr Group: Specifications
Alt Display Name: Unit Width/Diameter (in)
Description: The Diameter or Width in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 12
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DepthInInches

Attr Group: Specifications
Alt Display Name: Unit Depth (in)
Description: The Depth in inches which is only used if the shape of the equipment is
a box

Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 12
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: HeightInInches

Attr Group: Specifications
Alt Display Name: Unit Height (in)
Description: The Height in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 12
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Pitch

Alt Display Name: Pitch (°)
Description: Pitch in radians.
Displayed Units: store as RADIANS display as

DEGREES SIGNED
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERA
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Roll

Alt Display Name: Roll (°)
Description: Roll in radians.
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERA
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Yaw

Alt Display Name: Yaw (°)
Description: Yaw in radians.
Displayed Units: store as RADIANS display as
DEGREES SIGNED
User Level Required: All user levels may access this attribute
Format Expression: 0.0
Attr Type: TRACKERA
Default: 0.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Weight

Attr Group: Specifications
Alt Display Name: Unit Weight (lbs)
Description: The weight of the element in pounds
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: Limited users can NOT access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 10.0
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Color

Attr Group: Specifications
Alt Display Name: Display Color
Description: The color of the element
User Level Required: Limited users can NOT access this attribute
Attr Type: COLOR
Default: #FF4682B4
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ShowLabel

Attr Group: Specifications
Alt Display Name: Show Label

Description: Indicates if the label is displayed
User Level Required: All user levels may access this attribute
Attr Type: BOOLEAN
Default: Yes
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: TextColor

Attr Group: Specifications
Alt Display Name: Label Color
Description: The color of the element's text
User Level Required: Limited users can NOT access this attribute
Attr Type: COLOR
Default: #FFFFFF00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

PoleRestoration

Attr Name: Type

Description: Type of restoration
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: C2
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: C (Osmose C Truss)
C2 (Osmose C2 Truss)
ET (Osmose ET Truss)
FiberWrap (Osmose FiberWrap)
FiberWrap II (Osmose FiberWrap II)
Truss (Other Truss)
Wrap (Other Pole Wrap)

Attr Name: Description

Description: Description of the restoration
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Osmose
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner

Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: LengthInInches

Alt Display Name: Length (ft)
Description: The length in iches
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00

Attr Type: TRACKERZ
                      Default: 120.00
                     ReadOnly: No
                      Visible: Yes
              Incl When Subst: Yes

Attr Name: CoordinateZ
           Alt Display Name: Top Of Restoration (ft)
                Description: Distance from the butt of the pole to the top of the truss or wrap
             Displayed Units: store as HEIGHT from BUTT in INCHES display as
                             HEIGHT from GL in FEET or METERS
         User Level Required: All user levels may access this attribute
          Format Expression: 0.00
                   Attr Type: TRACKERZ
                     Default: 160.0
                    ReadOnly: No
                     Visible: Yes
             Incl When Subst: No

Attr Name: CoordinateA
           Alt Display Name: Rotation (°)
                Description: The rotation angle around the center of the pole
             Displayed Units: store as RADIANS display as
                             DEGREES
         User Level Required: All user levels may access this attribute
          Format Expression: 0
                   Attr Type: TRACKERA
                     Default: 0
                    ReadOnly: No
                     Visible: Yes
             Incl When Subst: No

Clearance

Attr Name: Description
                Description: Description of the clearance item
         User Level Required: All user levels may access this attribute
                   Attr Type: STRING
                     Default: Clearance
                    ReadOnly: No
                     Visible: Yes
             Incl When Subst: Yes

Attr Name: Group
           Alt Display Name: Clearance Group
                Description: The clearance group
         User Level Required: All user levels may access this attribute
                   Attr Type: ENUMERATED
                     Default: Communication (Insulated)
                    ReadOnly: No
                     Visible: Yes
             Incl When Subst: Yes
                 Enum Values: Communication (Insulated) (Communication (Insulated))
                             Communication (Non-insulated) (Communication (Non-insulated))
                             Neutral (Neutral)
                             Supply Cable (0 to 750V) (Supply Cable (0 to 750V))
                             Supply Cable (over 750V) (Supply Cable (over 750V))

Attr Name: Mode
           Alt Display Name: Population Mode
                Description: The population
         User Level Required: All user levels may access this attribute

Attr Type: ENUMERATED
Default: Automatic
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Manual (Manual)
Automatic (Automatic)
External (External)

Attr Name: SagMinimum
Alt Display Name: Sag Minimum (ft)
Description: The vertical deflection minimum
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: SagNominal
Alt Display Name: Sag Nominal (ft)
Description: The vertical deflection nominal
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: SagMaximum
Alt Display Name: Sag Maximum (ft)
Description: The vertical deflection maximum
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 0.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

SpanAddition

Attr Name: Description
Description: Description of the span addition item
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: Span Addition
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner
Description: Owner
User Level Required: All user levels may access this attribute

Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Type

Alt Display Name: Addition Type
Description: The clearance group
User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Aviation Ball
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Aviation Ball (Aviation Ball)
Perch Stopper (Perch Stopper)
Other (Other)

Attr Name: OffsetInches

Alt Display Name: Offset Dist (ft)
Description: Offset distance from pole
Displayed Units: store as INCHES display as
FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 120.00
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: Size

Alt Display Name: Size (in)
Description: Size of the addition in the primary dimension
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 20.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Weight

Alt Display Name: Weight (lbs)
Description: Weight of the addition
Displayed Units: store as POUNDS display as
POUNDS or KILOGRAMS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: FLOAT
Default: 7.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

WoodPoleDamageOrDecay

Attr Name: Type

Description: Type of damage or decay

User Level Required: All user levels may access this attribute
Attr Type: ENUMERATED
Default: Void
ReadOnly: No
Visible: Yes
Incl When Subst: Yes
Enum Values: Vehicle Scrape (Vehicle Scrape)
Saw Cut (Saw Cut)
Mower Cut (Mower Cut)
Exposed Pocket (Exposed Pocket)
Enclosed Pocket (Enclosed Pocket)
Void (Void)
Heart Rot (Heart Rot)
Shell Reduction (Shell Reduction)
Woodpecker Hole (Woodpecker Hole)
Woodpecker Nest (Woodpecker Nest)

Attr Name: Description
Description: Brief description of the damage
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default:
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: Owner
Description: Owner
User Level Required: All user levels may access this attribute
Attr Type: STRING
Default: <Undefined>
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name: WidthInInches
Alt Display Name: Width (in)
Description: The width in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 1.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: HeightInInches
Alt Display Name: Height (in)
Description: The height in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 1.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: DepthInInches
Alt Display Name: Depth (in)

Description: The depth in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 1.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ShellThicknessInInches

Alt Display Name: Shell Thick (in)
Description: Shell thickness in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 4.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: ReducedCircumference

Alt Display Name: Reduced Circum (in)
Description: Shell reduced circumference in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 1
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: EntryWidthInInches

Alt Display Name: Entry Width (in)
Description: The entry width in inches
Displayed Units: store as INCHES display as
INCHES or CENTIMETERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERX
Default: 1.00
ReadOnly: No
Visible: Yes
Incl When Subst: Yes

Attr Name: CoordinateZ

Alt Display Name: Location (ft)
Description: Distance from the butt of the pole to center of damage or decay
Displayed Units: store as HEIGHT from BUTT in INCHES display as
HEIGHT from GL in FEET or METERS
User Level Required: All user levels may access this attribute
Format Expression: 0.00
Attr Type: TRACKERZ
Default: 120.0
ReadOnly: No
Visible: Yes
Incl When Subst: No

Attr Name:CoordinateA

Alt Display Name:	Rotation (°)
Description:	The rotation angle around the center of the pole
Displayed Units:	store as RADIANS display as DEGREES
User Level Required:	All user levels may access this attribute
Format Expression:	0
Attr Type:	TRACKERA
Default:	0
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

MultiPoleStructure

Attr Name: Pole Number

Description:	Structure ID
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	Unset
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: Owner

Description:	Owner
User Level Required:	All user levels may access this attribute
Attr Type:	STRING
Default:	Pole
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No

Attr Name: LineOfLead

Alt Display Name:	Line of Lead (°)
Description:	The overall line of lead of the entire pole assembly
Displayed Units:	store as RADIANS display as DEGREES
User Level Required:	All user levels may access this attribute
Format Expression:	0.00
Attr Type:	TRACKERA
Default:	0
ReadOnly:	No
Visible:	Yes
Incl When Subst:	No