

Osmose

O-Calc® Pro 5.3

Quick Start Guide

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10 November 2018

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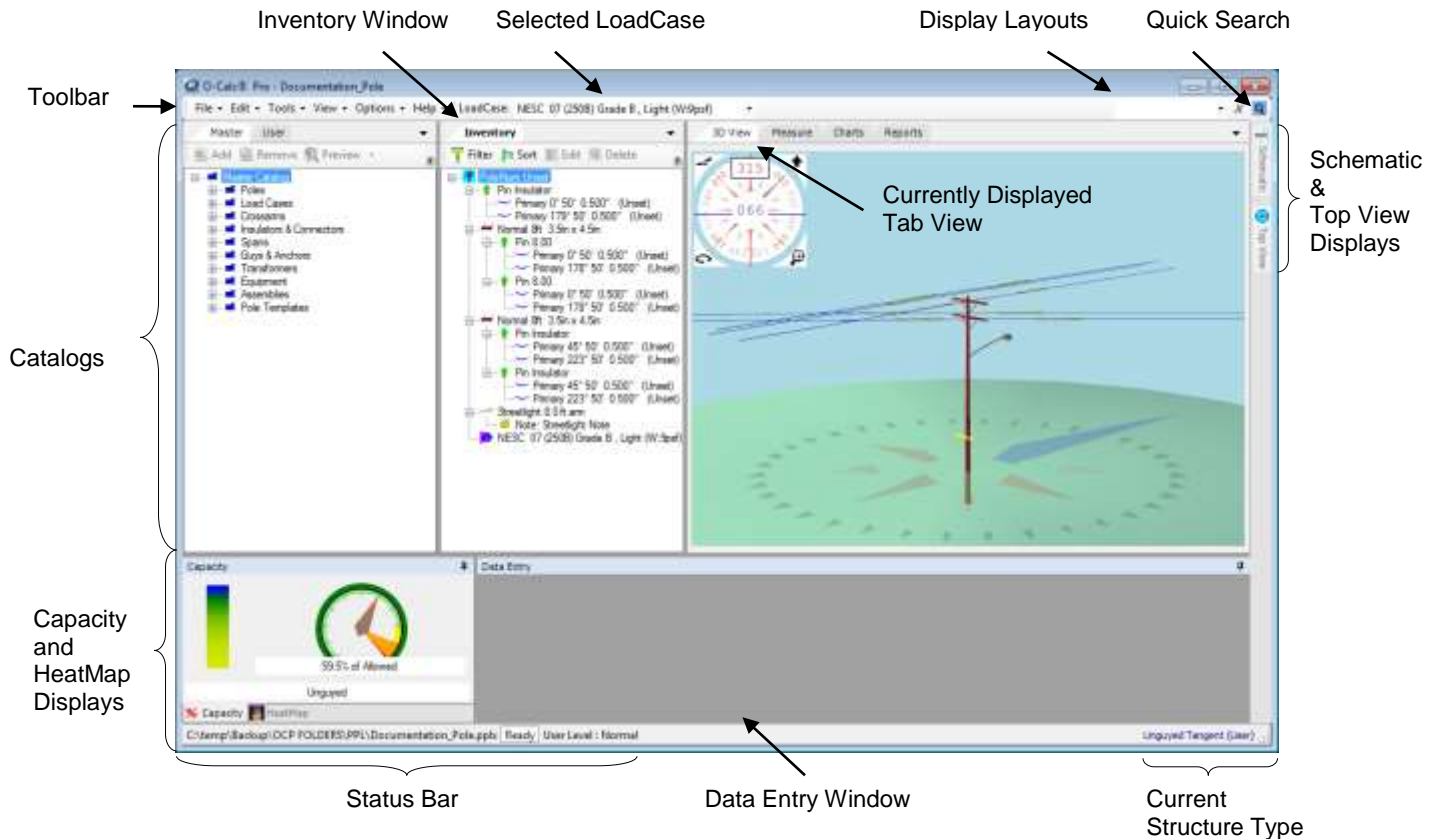
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Understanding the O-Calc® Pro Workspace

O-Calc® Pro Workspace

O-Calc® Pro provides you with a variety of options enabling you to interact with new data or existing data.



Workspace Windows	Description
Toolbar	Provides shortcuts to interact with the inventory items on the current structure.
Selected LoadCase	Displays the loadcase that is currently loaded in the Inventory Window.
Display Layouts	Enables a user to quickly switch between different window layouts.

Top View	Displays a top view of the structure with span angles. A user can edit span lengths and angles. This view allows filtering for global edits.
Quick Search	Allows you to easily find and execute menu items.
Schematic View	Displays attachments and relative loads on the structure at each elevation. This view allows filtering for global edits.
Capacity Window	Summarizes the structure's capacity utilized as currently modeled.
HeatMap	Provides a colored two dimensional representation of specific values for the current structure.
Data Entry Window	Allows a user to enter or change attributes of selected items.
Status Bar	Displays the Capacity Window calculation status and displays the user's access level.
Structure Type	Displays the current set pole's structure type.

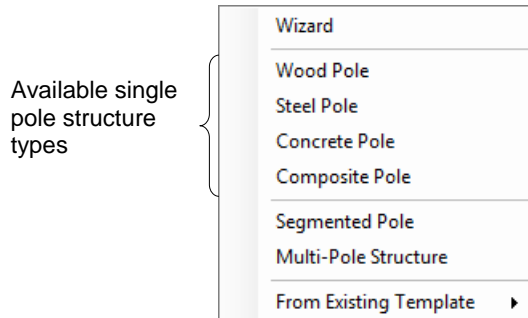
<i>Workspace Windows</i>	<i>Description</i>
Catalog	The catalog holds all items and load cases that can be attached to the pole, including template poles, assemblies and individual components.
Inventory Window	Displays all of the items attached to the pole. Items can be selected, added, deleted or edited.
3D View	Displays a 3D view of the structure and the surroundings.
Measure (Digital Measurement Technology (DMT))	Allows the measurement of pole features from image data.
Charts	Displays a predefined list of charts that can be used to help you complete a structure's analysis.
Reports Display	Displays a list of reports that can be used to help you complete a structure's analysis.

Building a New Structure

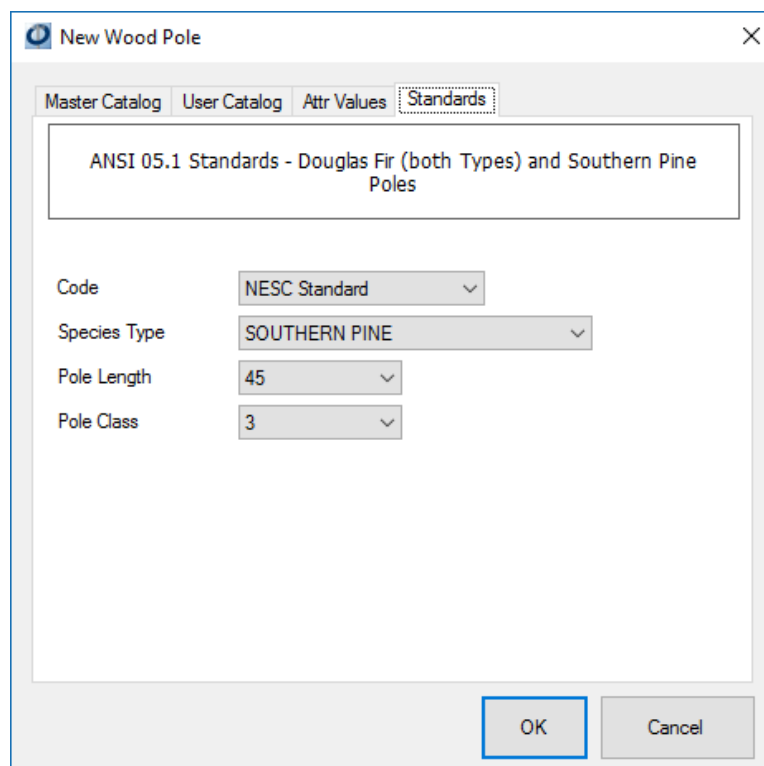
Creating a Single Pole Structure from Scratch

To create a new Wood, Steel, Concrete or Composite pole in the Inventory Window, complete the following steps:

1. Select **File>New Pole**.



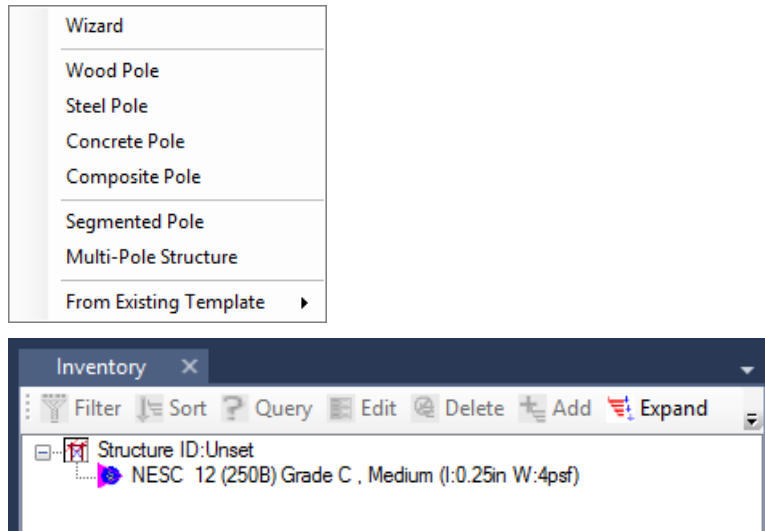
2. Select the **pole** type.
3. Select the **Standards** tab and select the new pole attributes from the drop down menus.



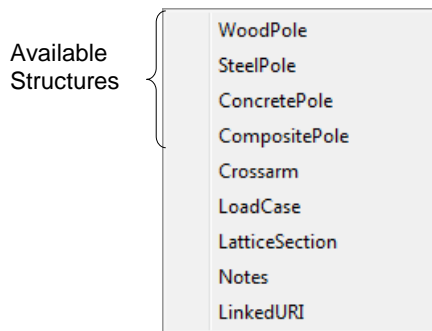
4. Click **OK**.

To create additional structure types, complete the following steps:

1. Select **File>New Pole**.



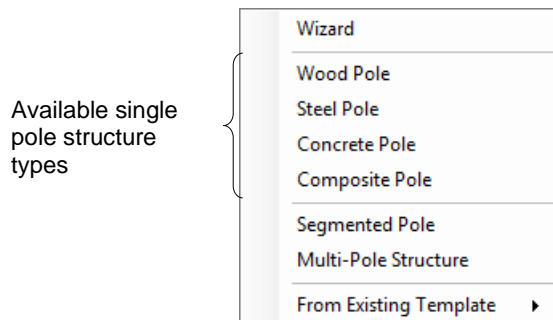
2. Select the **Structure** in the Inventory Window, select the **Add**  button then select the pole to be added to the multi-pole.



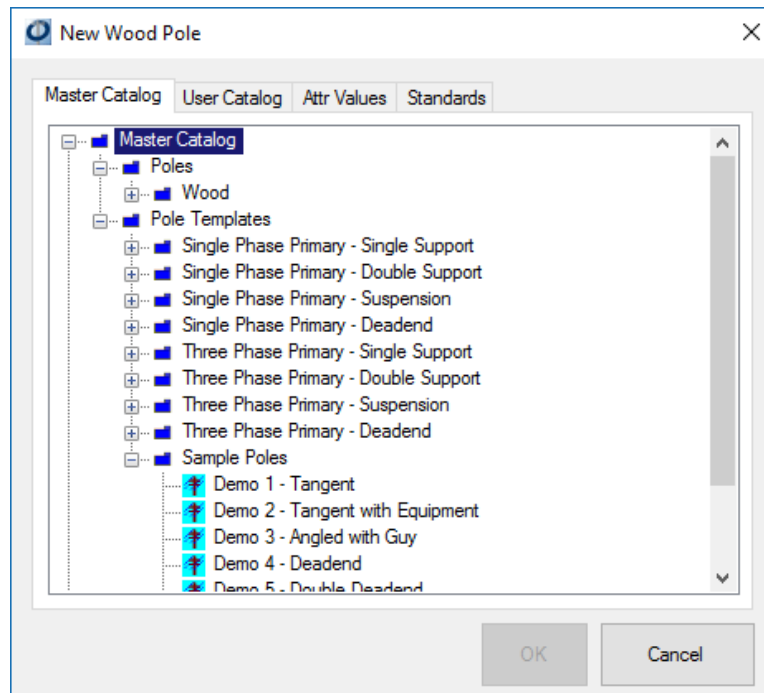
Additionally, poles can be added to the structure by repeating step 2.

To create a new pole from a template that exists in a Catalog:

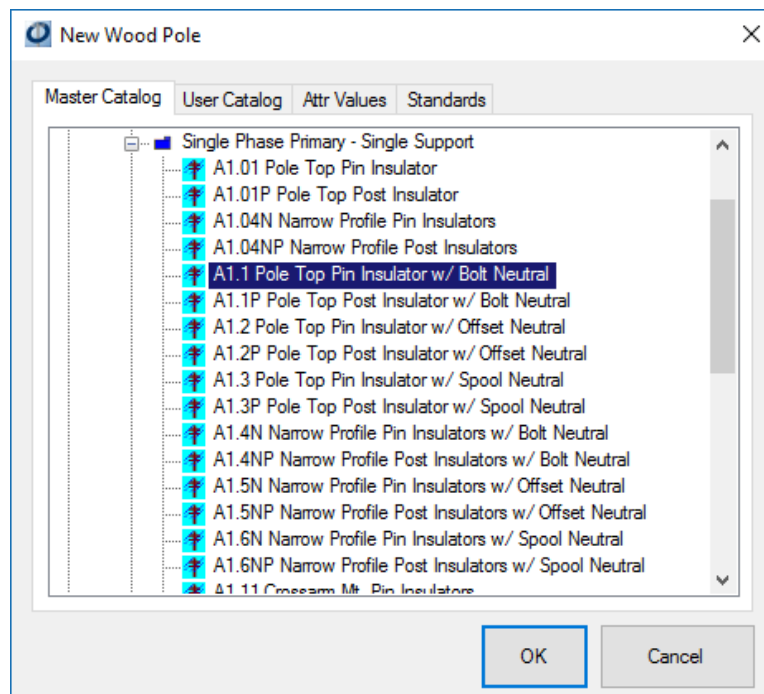
1. Select **File>New Pole**.



2. Select the **pole** type.
3. Select the **Catalog** tab that has the template.



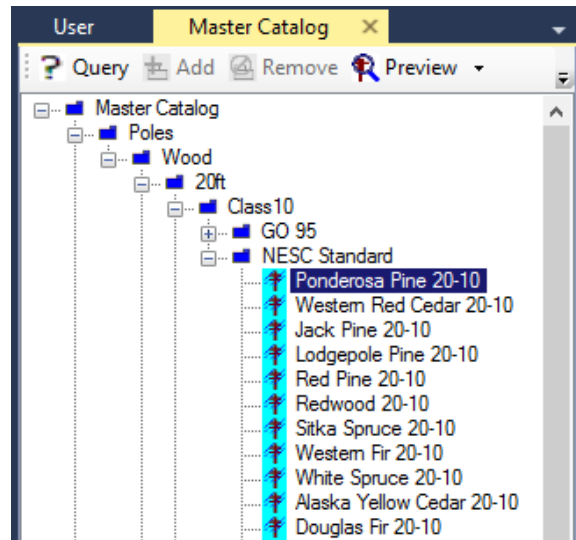
4. Browse the catalog list for the appropriate pole or pole assembly, and click **OK**.




Creating a Pole from a Catalog

To create a new structure utilizing a Catalog by “drag” and “drop”:

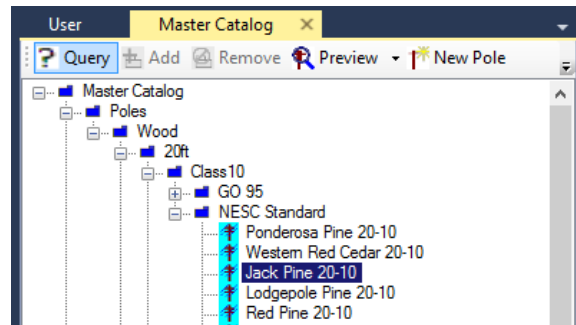
1. Select the appropriate pole or pole assembly from a **Catalog**.



2. Drag and drop the pole into the Inventory List. 

To create a new pole utilizing the Catalog buttons:

1. Select the appropriate pole or pole assembly from a **Catalog**.

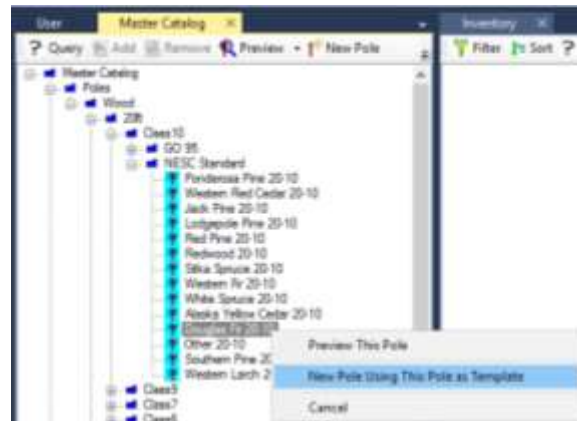


2. Click the “New Pole” button at the top of the Catalog window.



To create a new pole without utilizing the Catalog buttons:

1. Right-click the appropriate pole or pole assembly in the **Master Catalog**.




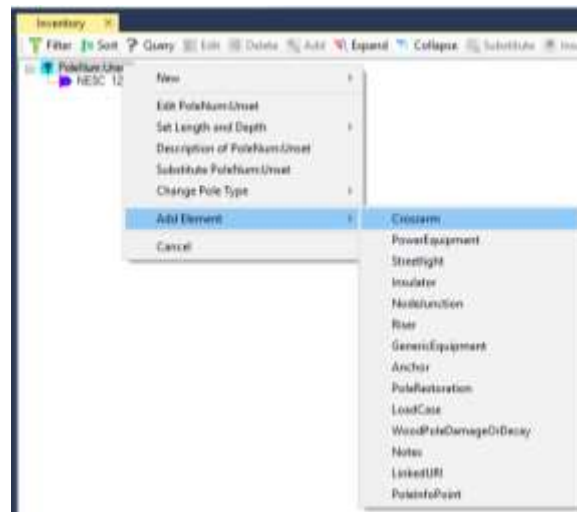
2. Select 'New Pole Using This Pole as Template'.

Adding Components to the Pole

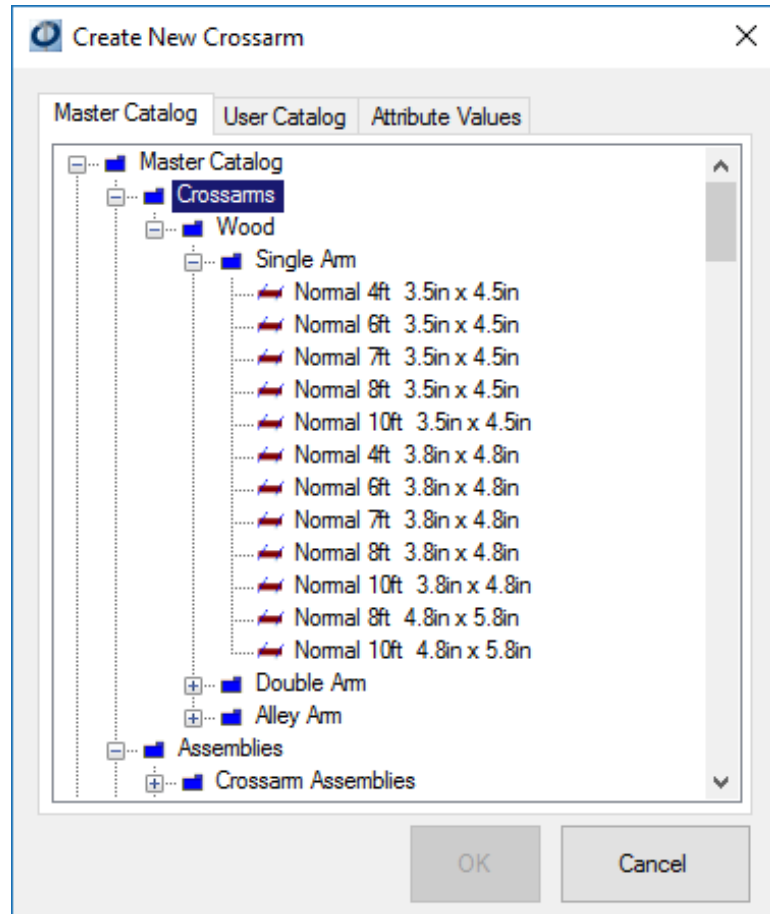
Adding Components (Equipment and Load Cases) to a Pole


To add components (equipment and load cases) to a pole, complete the following steps:

1. Select the Pole you want to add equipment to.
2. Select the **Add** button  **Add**.

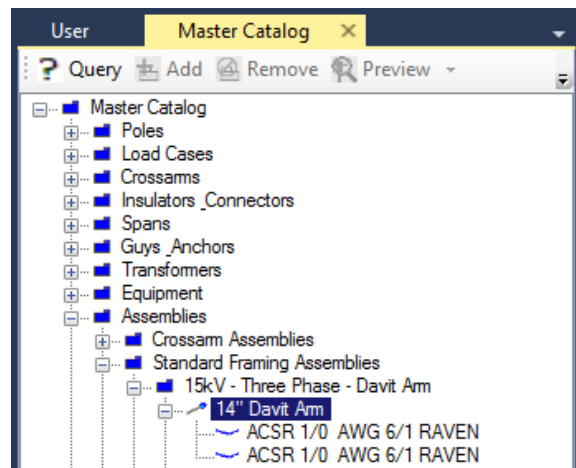


3. Select the equipment to be added to the pole.



Additionally, components and entire assemblies can be added directly from the Catalogs. Items can be dragged and dropped directly onto the 3D view of the pole or the Inventory Window. 

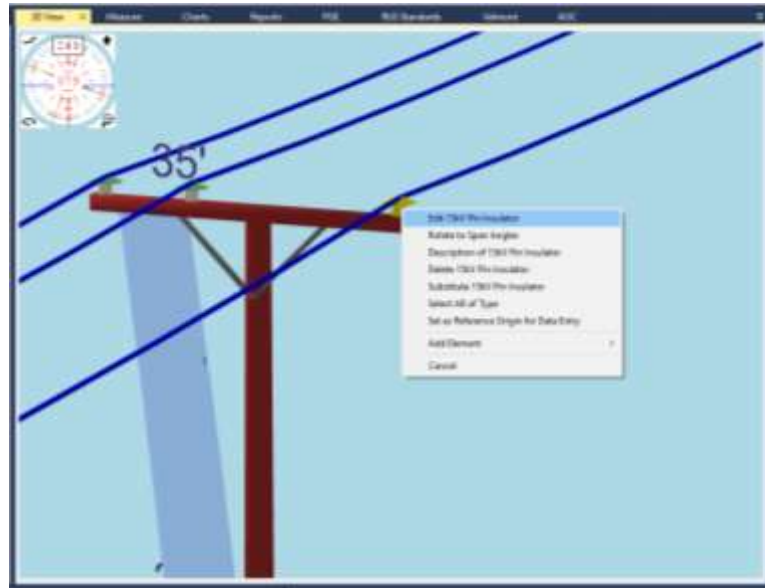
Note: Click once. While holding the mouse button, drag the item and let go over the item that you are attaching to (either in the Inventory Window or onto the pole in the 3D view).



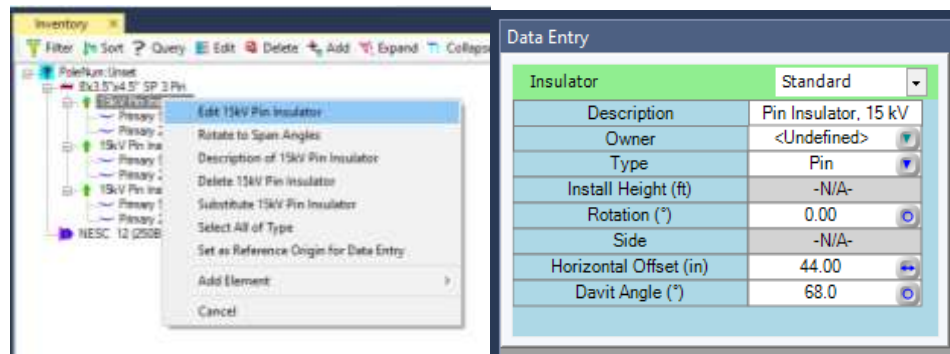
Editing Component Attributes

Once placed on the pole, component attributes can easily be edited. There are three ways to select items to be edited:

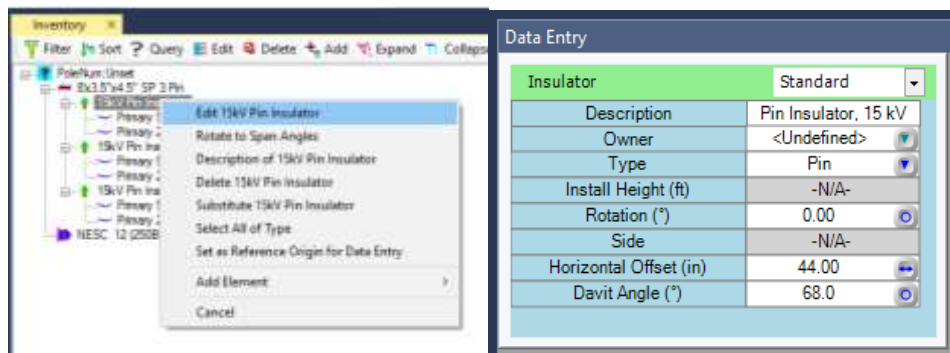
1. Right click on the item in the 3D view and select **Edit**:



2. Right click on the item in the Inventory Window and select **Edit**:



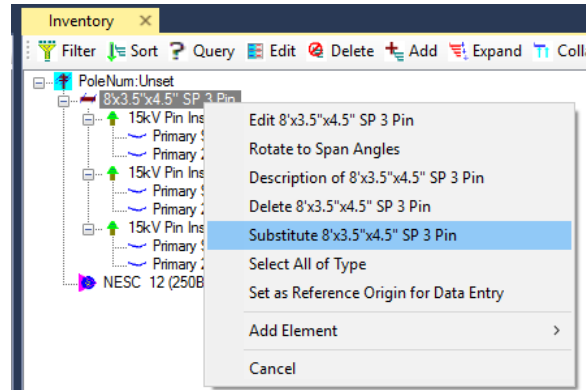
3. Highlight the item(s) to be edited in the Inventory Window. The Data Entry panel will appear that will allow for edits to the selected item(s):



Substituting Components

Once placed on the pole, component attributes can be substituted by completing the following steps:

1. Right-click on the component whose attributes you want to change (substitute).



2. An attribute window will appear. Users can either input different attributes or select a different component from a Catalog or Inventory List.

Working With O-Calc® Pro Data

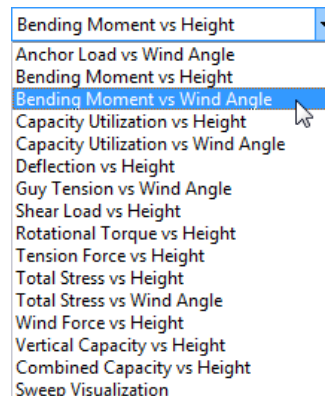
Viewing the Data in Charts

Once a pole has been built in the Inventory Window, several predefined charts are available to help you complete a pole analysis.

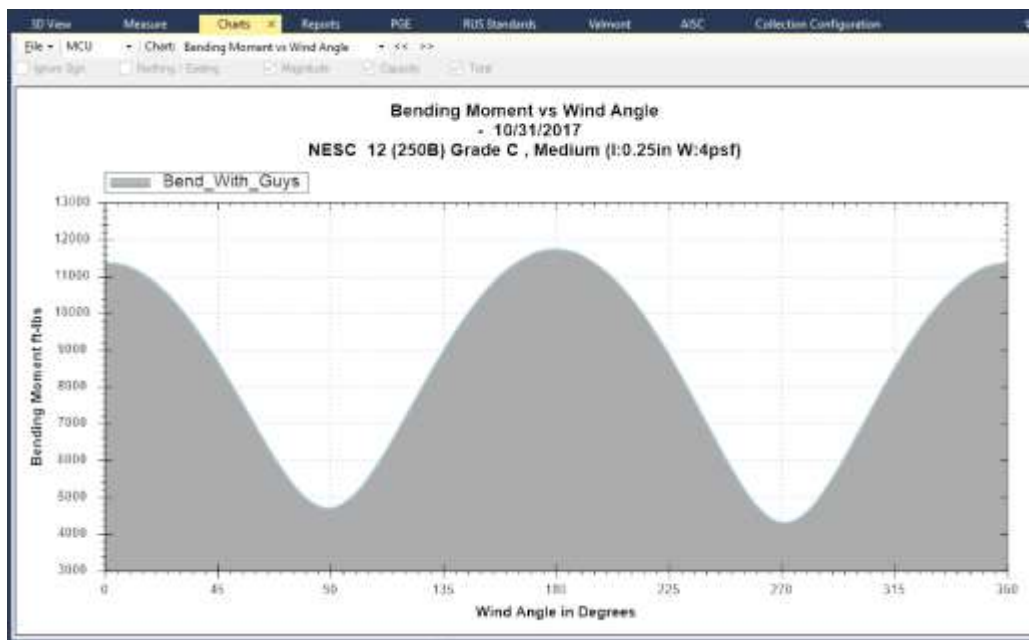
Creating Charts

To perform a pole analysis using a Chart, complete the following steps:

1. Click on the tabbed window entitled **Charts**.
2. Select the Chart to be displayed from the drop down list.



Once a Chart has been selected the Chart will automatically be loaded:



Viewing Reports

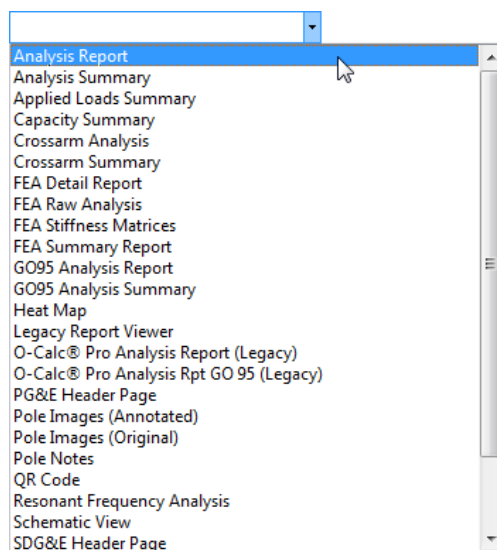
Viewing the Data in Reports

Once your pole has been built in the Inventory Window, several predefined reports are available to help you complete a pole analysis.

Viewing Reports

To perform a pole analysis using a report, complete the following steps:

1. Click on the tabbed window entitled **Reports**.
2. Select the **Report** to be displayed from the drop down list.



Once a Report has been selected, the Report will automatically be loaded.

