

## O-Calc Pro Version 8.0.2.12 Patch Release

**Release Date:** October 7, 2025

### Patch Overview

This patch addresses a critical issue in the Top View Merge Thresholds introduced in O-Calc Pro Version 8.0 (released October 1, 2025). The problem caused unintended merging of spans in the Top View tool due to incorrect default angle settings.

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### Issue Summary: Top View Merge Thresholds

The **Top View** tool in O-Calc Pro allows users to select and manipulate spans grouped into “bays.” A bay is defined by a unique combination of span lengths and angles. To simplify span management, O-Calc Pro merges similar bays using default thresholds—previously set to **5 degrees** for angle and **10 feet** for length.

In Version 8.0, the default angle threshold was mistakenly set to **5 radians** (~286.48 degrees), causing nearly all spans to merge into a single bay. This resulted in a single “G” button representing all spans in the Top View, significantly reducing span selection precision.

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### Patch Fix: Restoring Merge Threshold Controls

With Version 8.0.2.12, the **Top View Merge Threshold** settings have been corrected and enhanced:

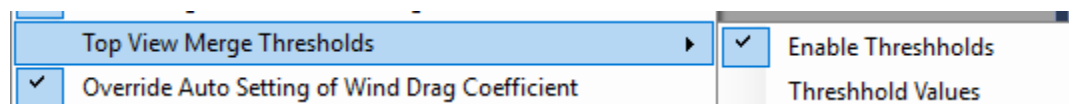
#### New Menu Path:

Options → Misc Options → Top View Merge Threshold

#### Two Key Settings:

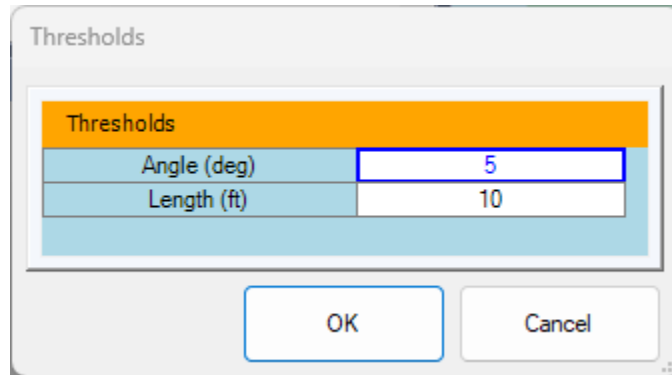
##### 1. Enable Threshold (Checkbox)

- **Unchecked:** Disables merging entirely. Each span is shown individually, allowing maximum precision with the default merge values set extremely small with values Angle (deg) = 0.01 and Length (ft) = 0.01
- **Checked:** Enables merging based on user-defined thresholds.



## 2. Threshold Values

- Users can now set:
  - **Angle Threshold** (e.g., 5 degrees)
  - **Length Threshold** (e.g., 10 feet)



A dialog box titled "Thresholds" with a light gray background. Inside, there is a table with two rows: "Angle (deg)" and "Length (ft)". The "Angle (deg)" row has a value of "5" in a blue-bordered input field. The "Length (ft)" row has a value of "10" in a white-bordered input field. Below the table are two buttons: "OK" and "Cancel".

Thresholds	
Angle (deg)	5
Length (ft)	10

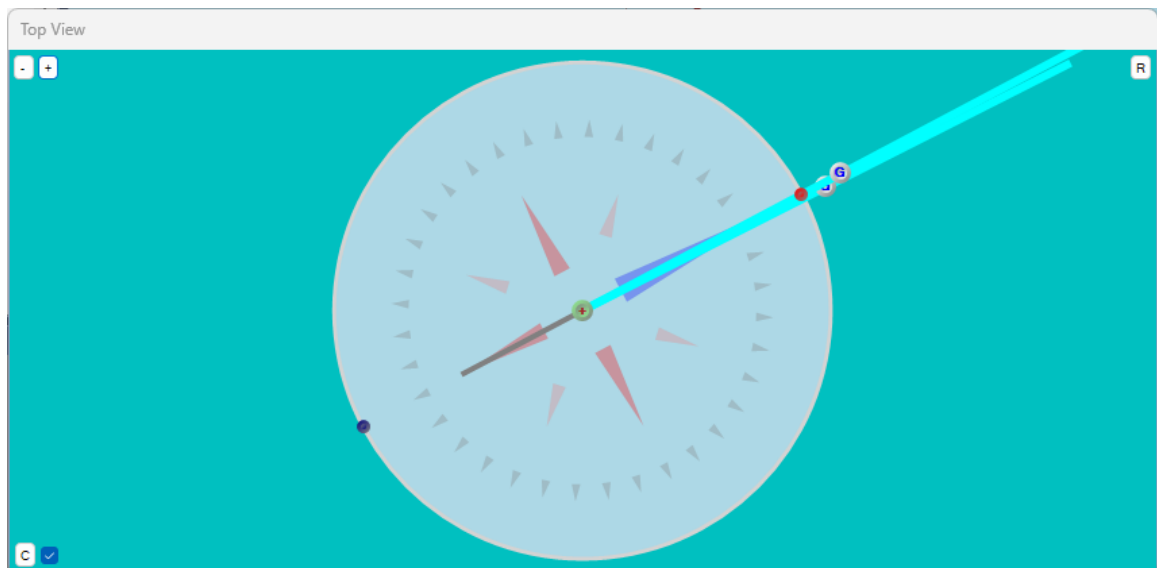
OK Cancel

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### Example Behavior

- **Threshold Disabled:**

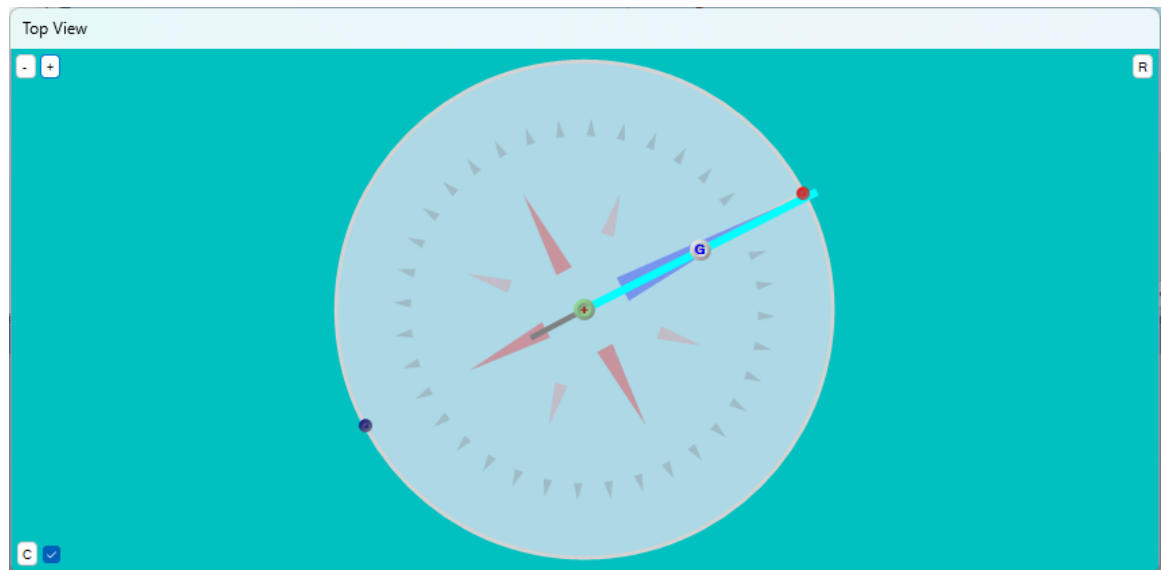
A pole with two primaries—one with a span of 0°/140 ft and another with 1°/150 ft—will show **two separate “G” buttons**, one for each span.



- **Threshold Enabled (5° / 10 ft):**

The same spans will be **merged into a single “G” button**.  
When selected, the **Gang Editor** displays:

- The **first angle value**
- The **largest span length**



Users can then apply changes to all merged spans via the Gang Editor.

- **Clicking OK:** Applies new values to all selected spans.
- **Clicking Cancel:** Keeps original values but retains the selection.