

Creo Layout: Trimming Views

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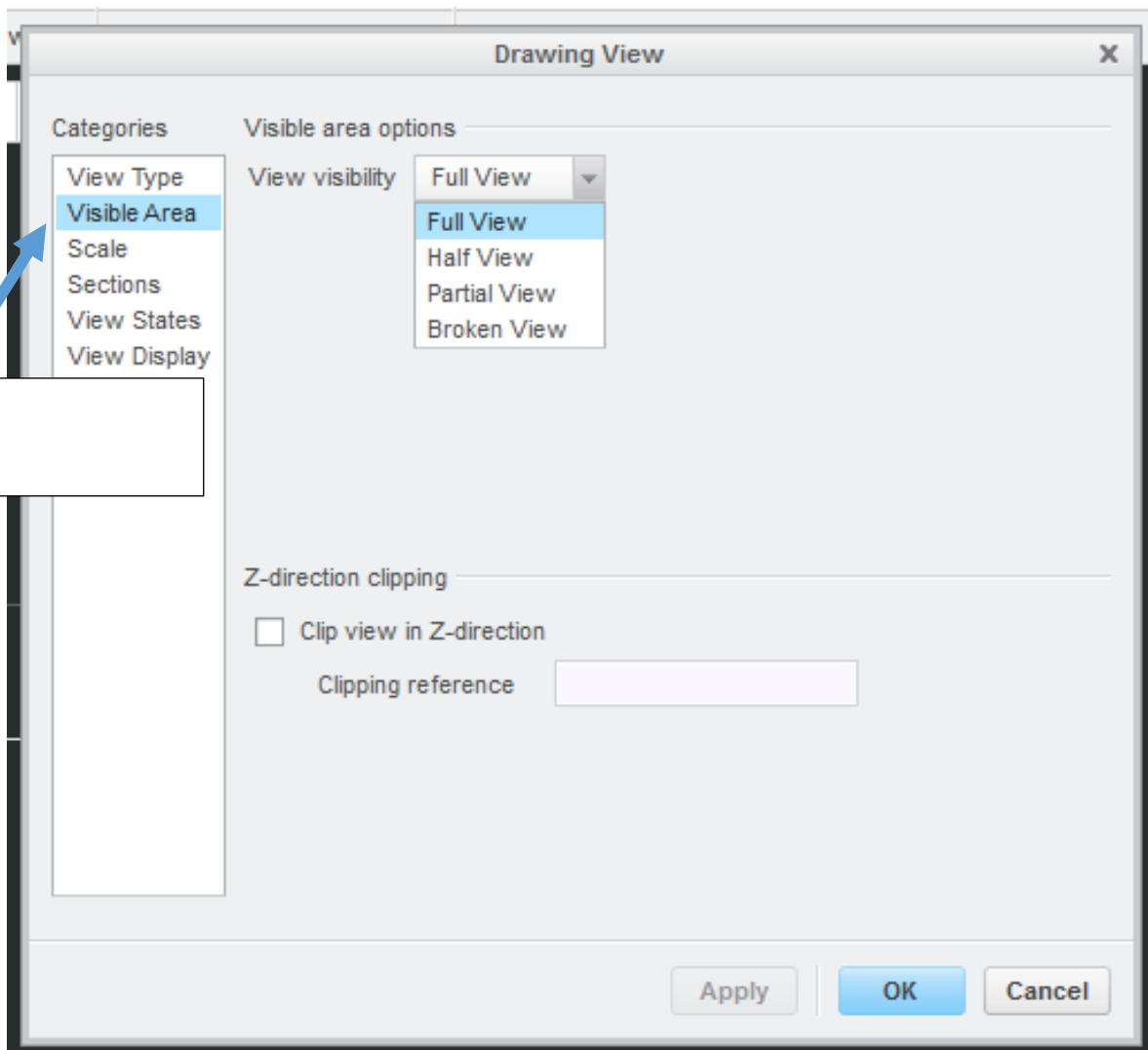
At times it is necessary to trim a view to show a specific area. There are a few ways that a view can be trimmed.

a. View Visibility

- Full View: Shows complete view
- Half View: Cuts view in half based on a plane
- Partial View: removes part of the view outside of a drawn spline

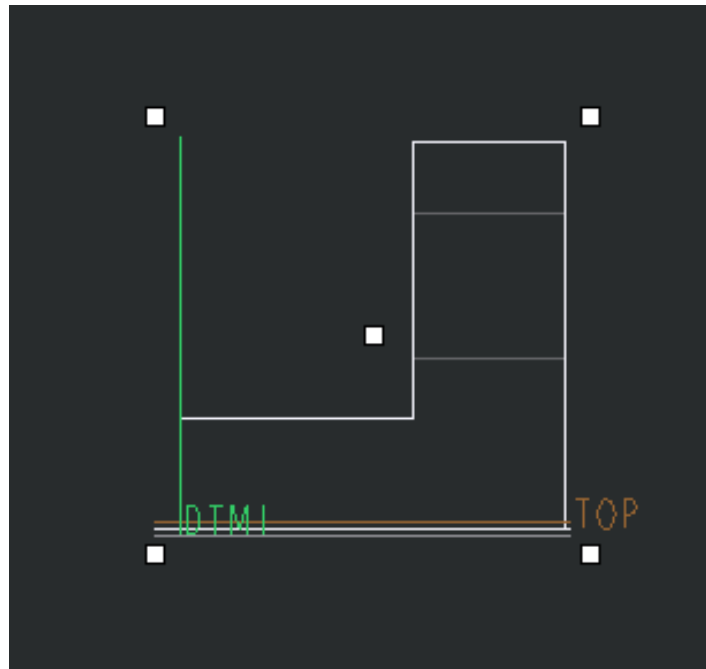
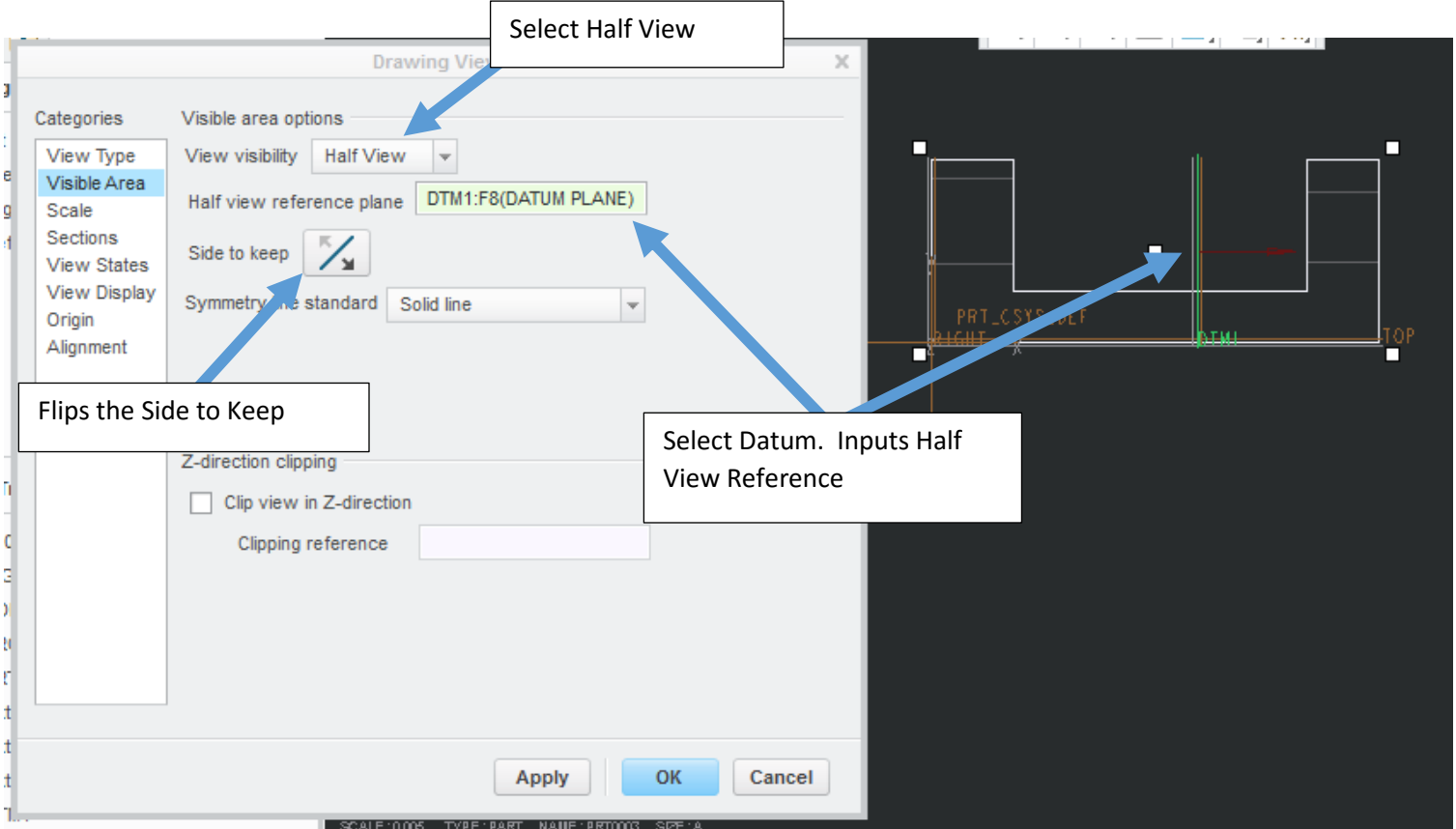
Broken View: Typically used when a length of a view is too large for the paper and the profile is similar throughout the distance I.E a pipe that extends a long distance and needs to be shortened to fit in a space

- b. Clip Z Direction: user chooses an edge/datum from another view to remove material from a selected view in the direction that cannot be seen in the selected view.



1. View Visibility: Half View

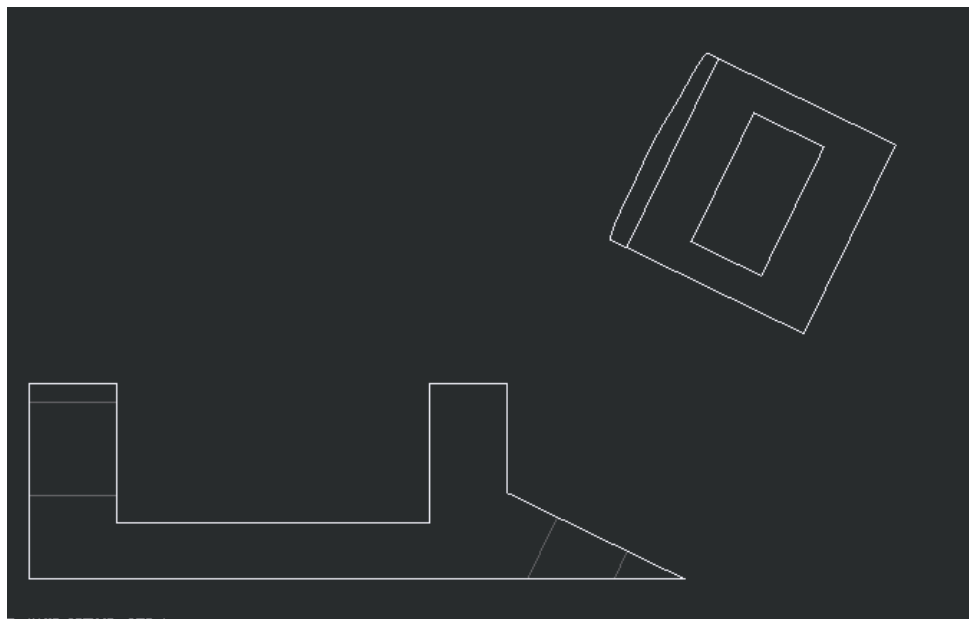
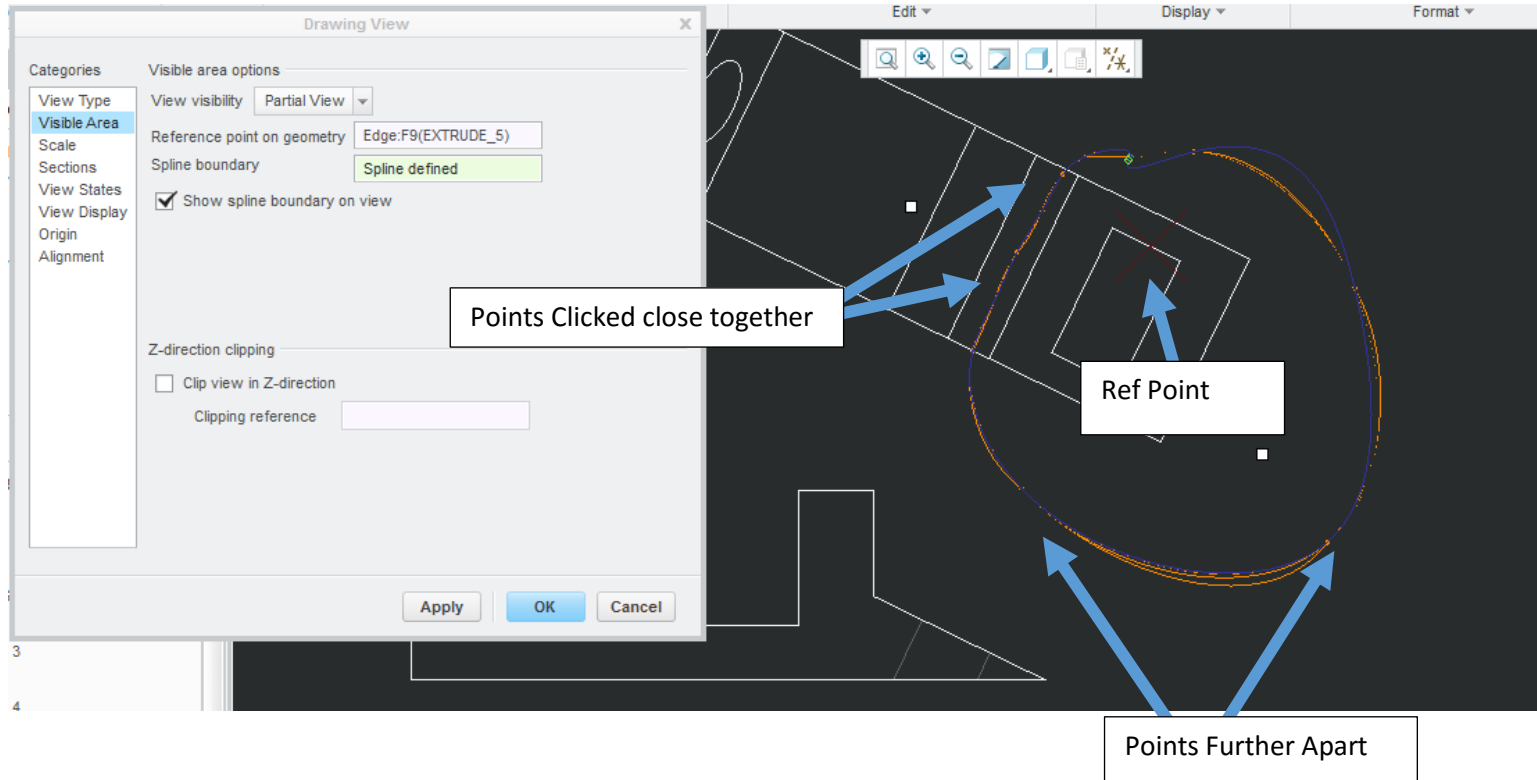
- a. Note a plane in the place of trimming is needed
- b. Place View > Double Click on View to enter the View Properties > Select View Visible Area Option > View Visibility Option > Select Half View > Select Trimming Datum > Select Apply



Finished View

2. View Visibility: Partial View

Select View > Double Click on View to enter View Properties > Visible Area > View Visibility > Partial View > Select a Reference Point in the area to Keep (NOTE: This point does matter what is selected as long as it is a reference geometry in the kept space) > Draw a Spline around the area to keep (NOTE: Spline works with multiple selected points; the closer the points are together the straighter the line that is formed and the further the points are selected the rounded the curve becomes) > Once the Spline is roughly back to the Start Point Middle Mouse Button to end drawing > Click Apply



Completed Trimmed

3. View Visibility: Broken View

Place View > Double Click on View to enter View Properties > Select View Area > View Visibility > Select Broken View > Select + > Draw Two Vertical Lines (the area between the two lines will be removed) > Select Apply

Select + to add a trim

Direction	1st Break Line	2nd Break Line
Vertical	Edge:F5(EXTRUDE_1)	Edge:F5(EXTRUDE_1)

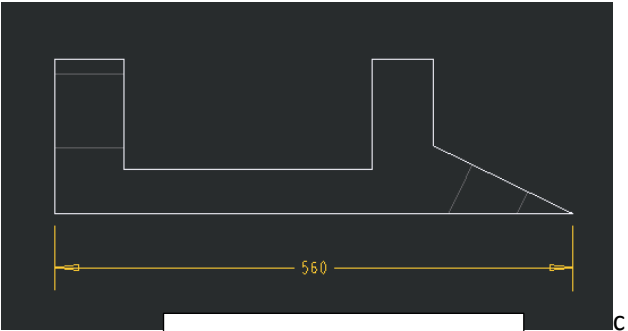
1st Line: Left Click Start Point > Draw a line by left clicking a second point

2nd Line: Select Start point > Software will automatically make the line parallel to the 1st Line

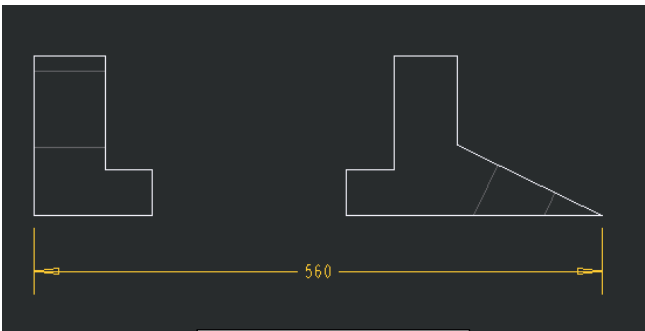
2nd Break Line	Break Line Style
Edge:F5(EXTRUDE_1)	Straight

Break line types to show the part has been modified to its smaller state

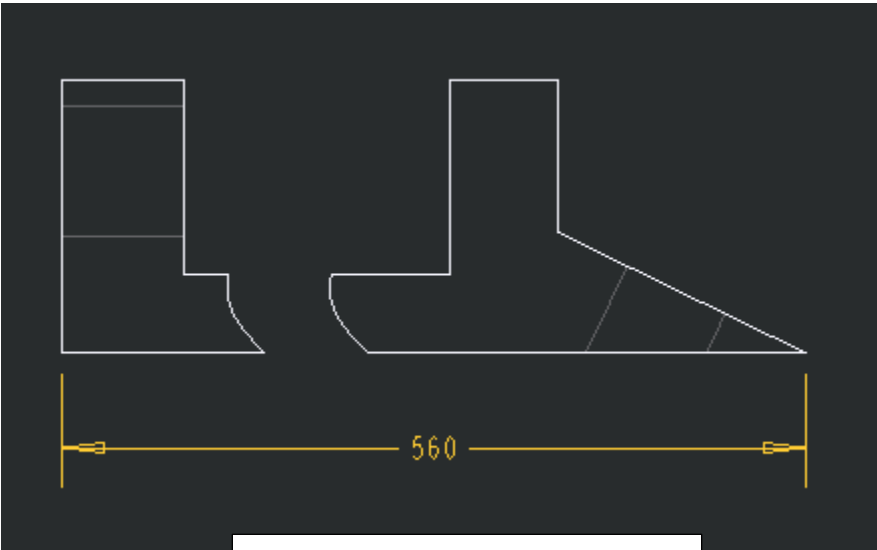
NOTE: The distance of the part does not change because it has been changed. Also, the views can be moved closer or further apart



Non-Trimmed View



Trimmed View

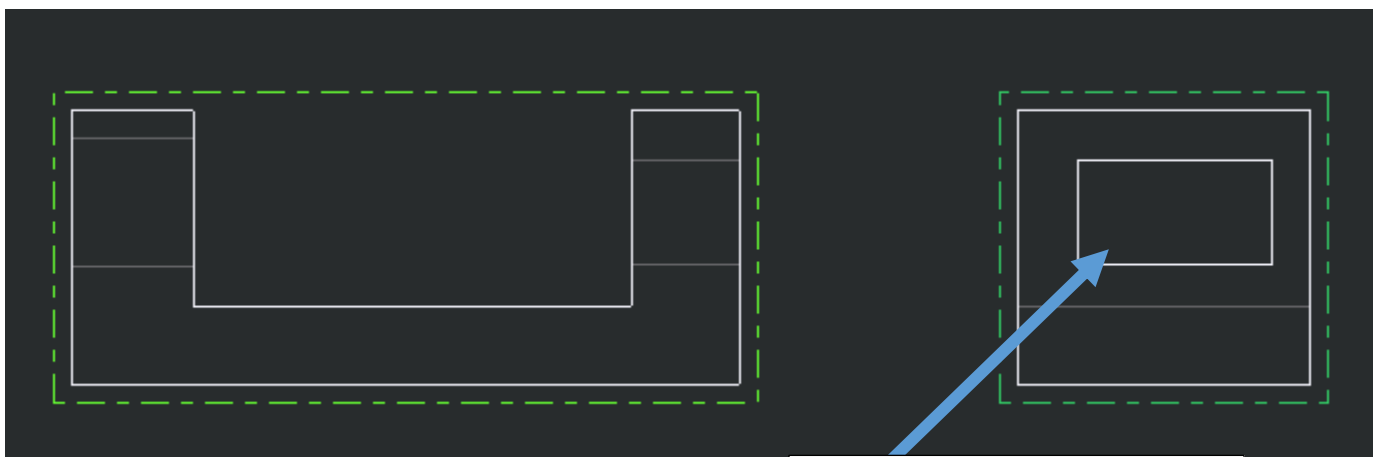
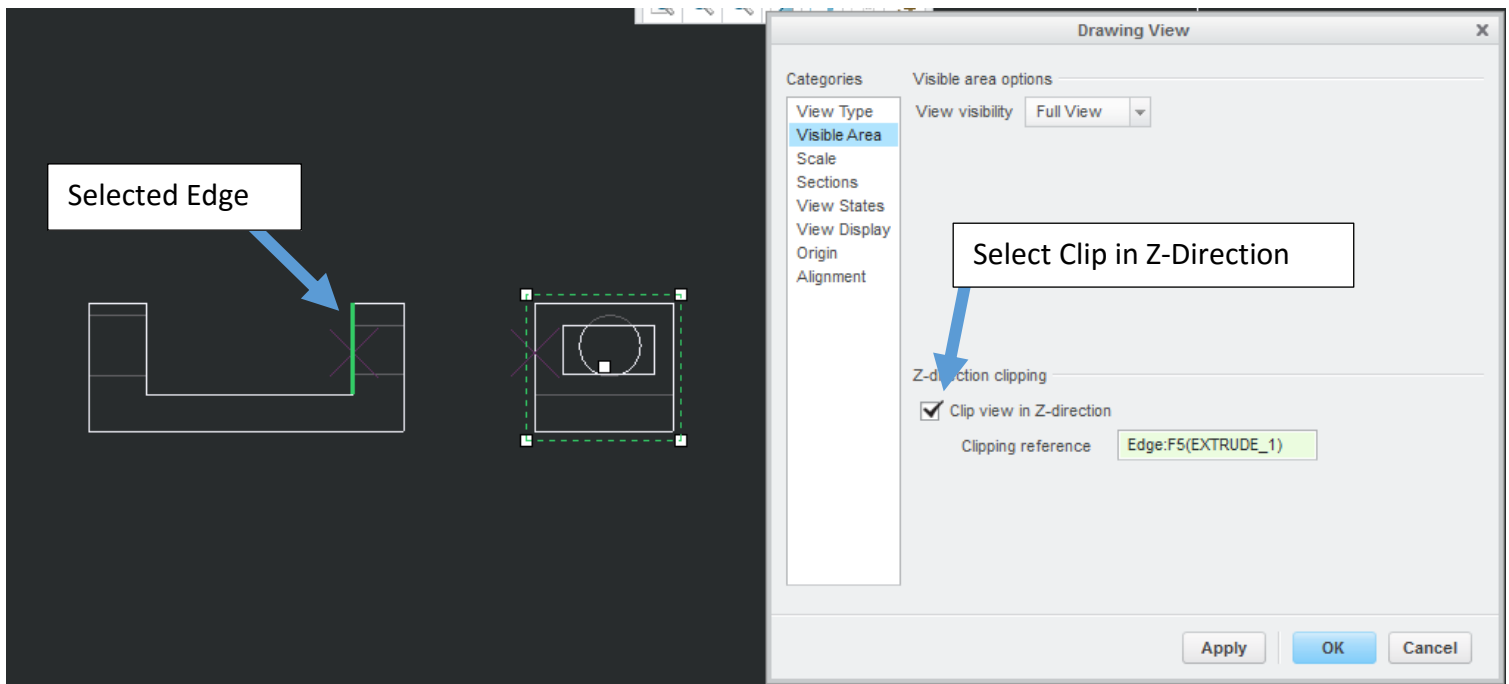
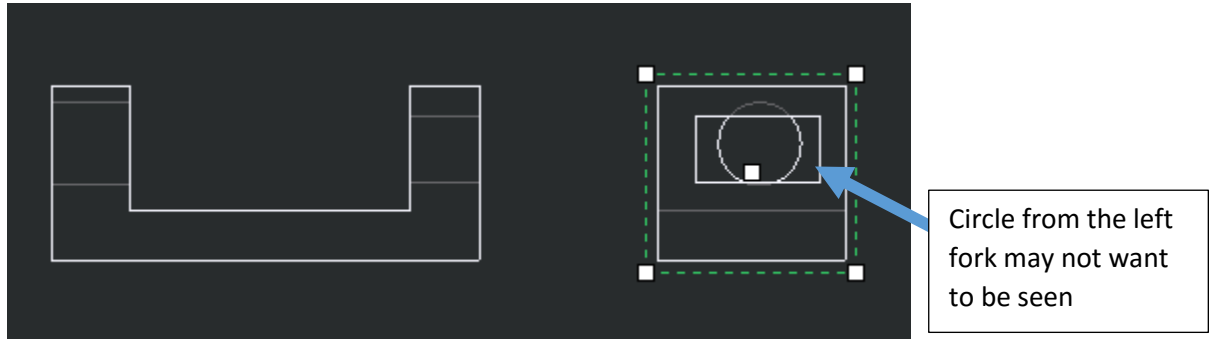


Trimmed View with Views Moved and S-Curve Profile

4. Clip Z-Direction

Clipping in the Z-Direction is a selected edge from a view that is not the view being trimmed. Once Edge is selected anything on the opposite side of the project view will be trimmed away

Place View > Double Click on View to enter View Properties > Visible Area > Click the check box for the Z-Direction > Select Edge from a different view to use as trimming plane > Select Apply



Circle is now removed because it was behind the edge selected