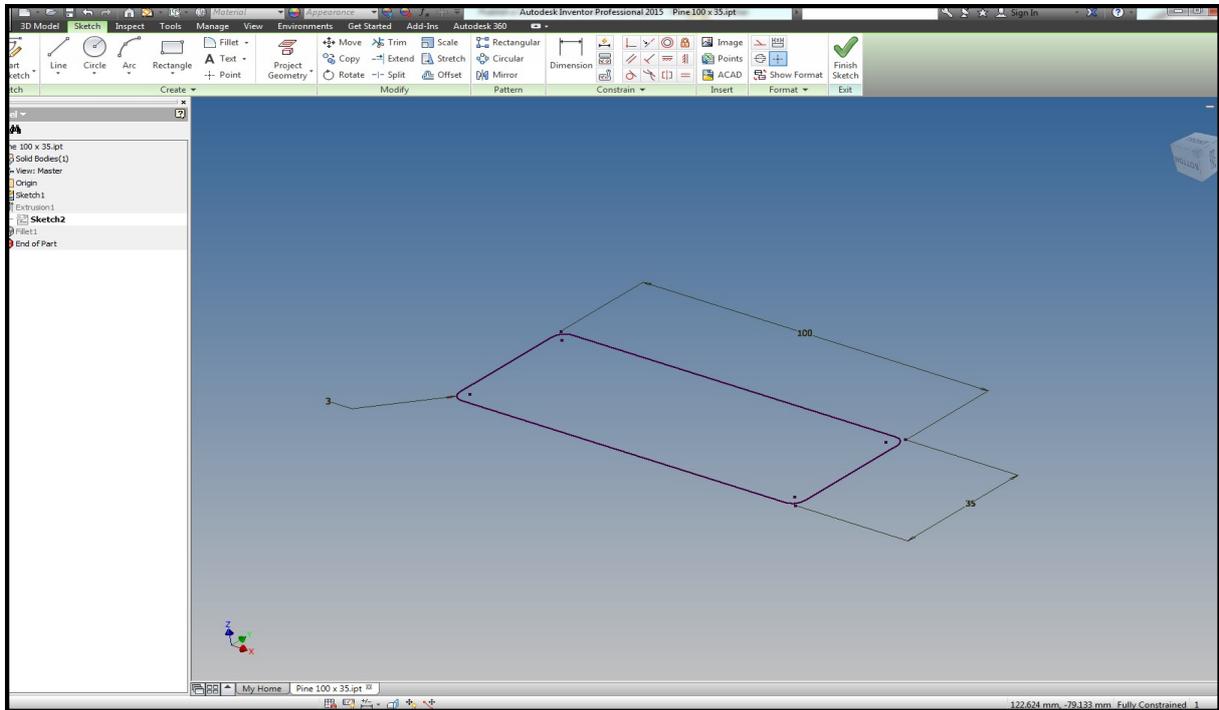


# Publishing a Custom Frame Member to the Content Center.

## Step #1. Basic Stud Sketch.

Sketch a rectangle 100mm x 35 mm with a 3mm fillet on each corner.

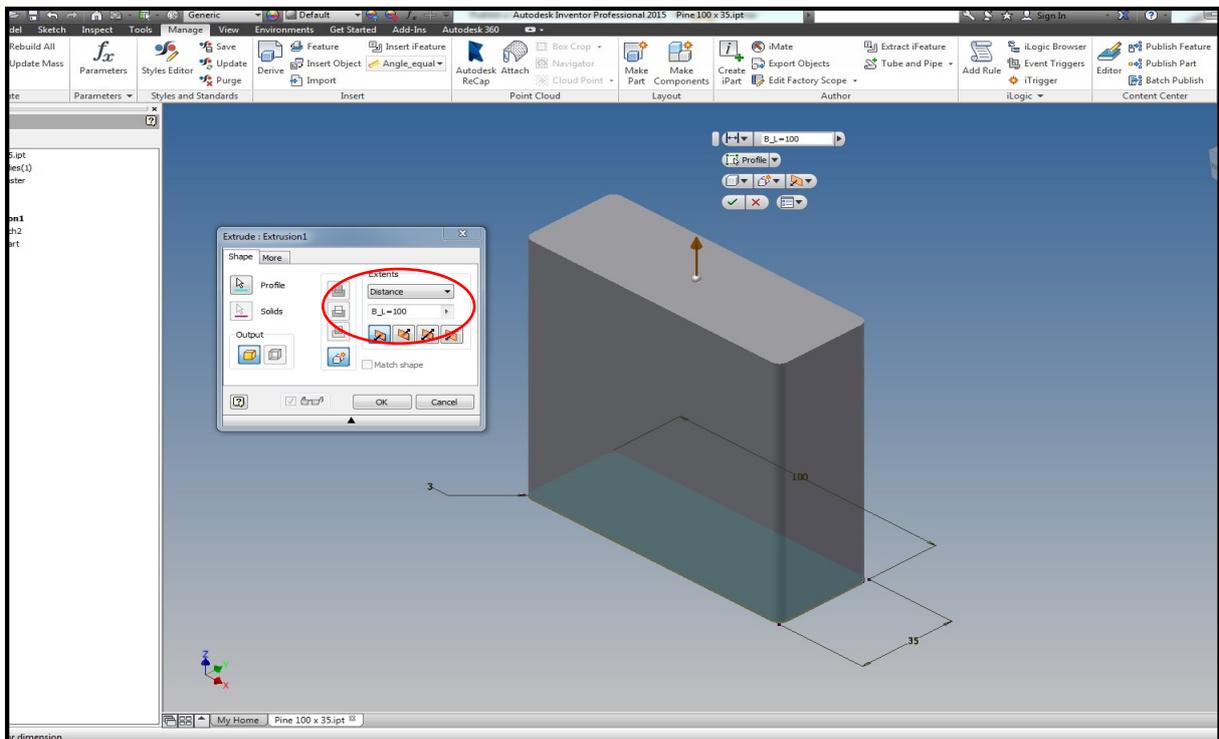
FIG 1.0



## Extrude to length 100mm

Step #2. Using the *Extrude* command extrude the sketch to length by typing B\_L=100. This will automatically create a parameter needed later.

FIG 2.0



### Parameters Dialog showing length parameter

On the Manage Tab , Parameters panel, select Parameters.  
The B\_L parameter should be shown as in Fig 3.0

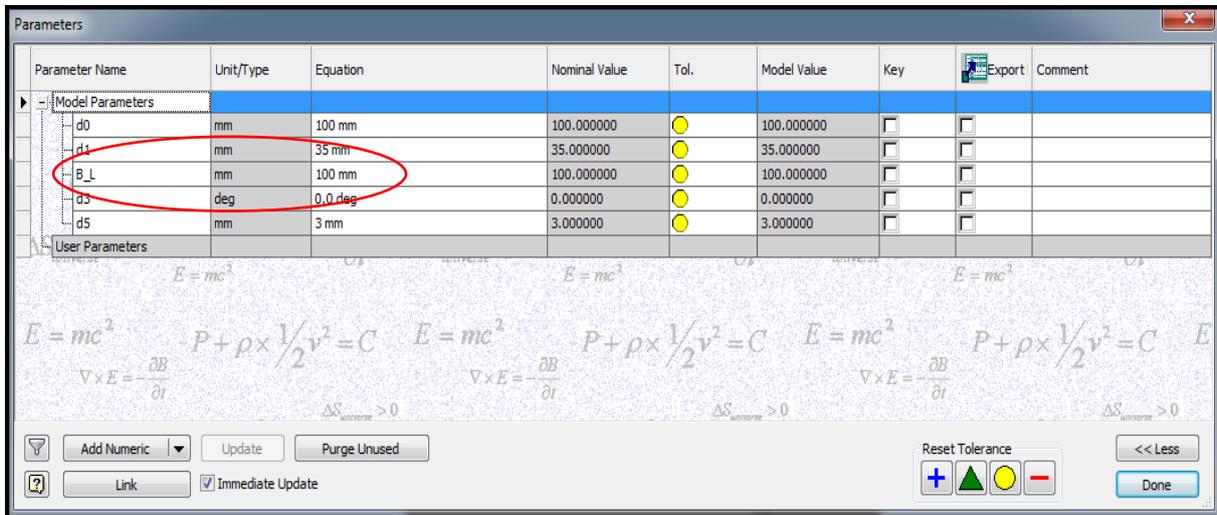


FIG 3.0

### Set library to Read/Write so custom parts can be published.

Return to Home Tab and select Projects as in Fig 4.0

Ensure that all open files are closed, libraries cannot be altered when a file is open.

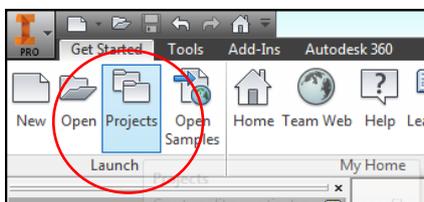
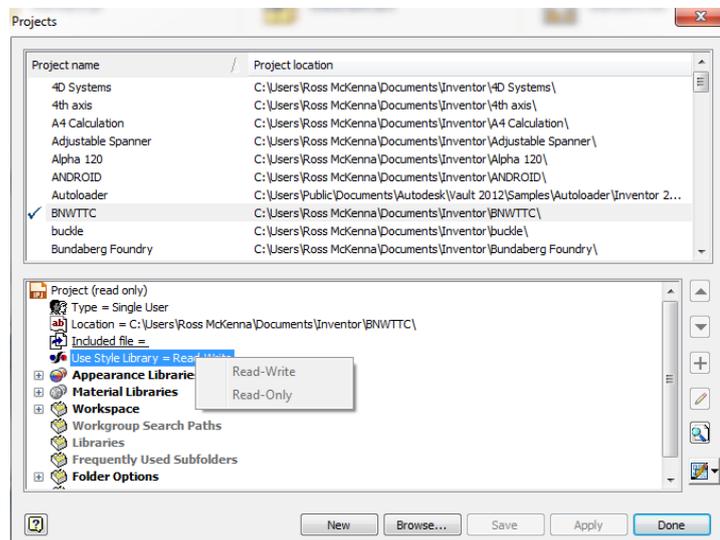


FIG 4.0

**Step # 3.** In the Projects dialog, right-click on the “Use Style Library” and select *Read-Write*.



Step # 4. On the Manage Tab, Author Panel, click on the “Structural shape”.

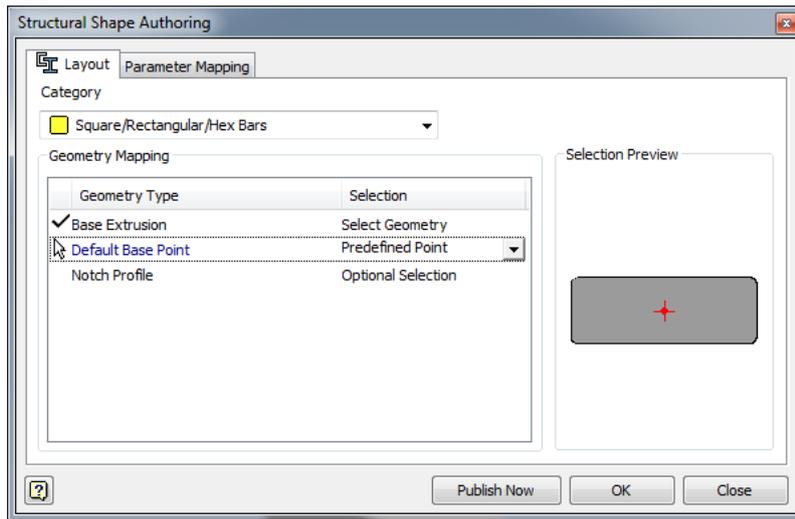
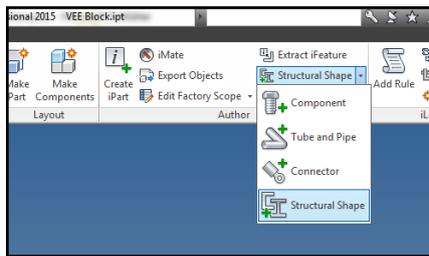


FIG 5.0

Select a Category, here we use Square/Rectangular/Hex Bars  
 Accept Base Extrusion as a pre-defined point.  
 Select the small *Browser* button marked in Fig 5.0a to display the dialog at below right.  
 Expand the fx Parameters instance to show the **B\_L** parameter.  
 Highlight the **B\_L** parameter and ok the dialog box.  
 On the Structural Shape Authoring dialog box select *Publish Now*.

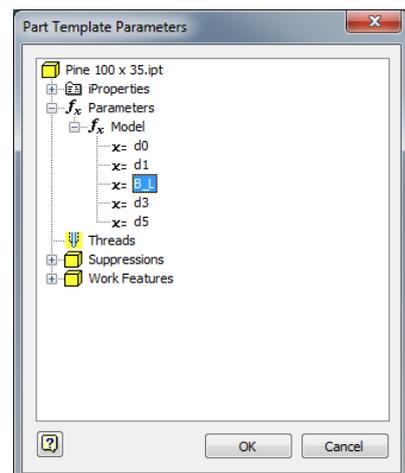
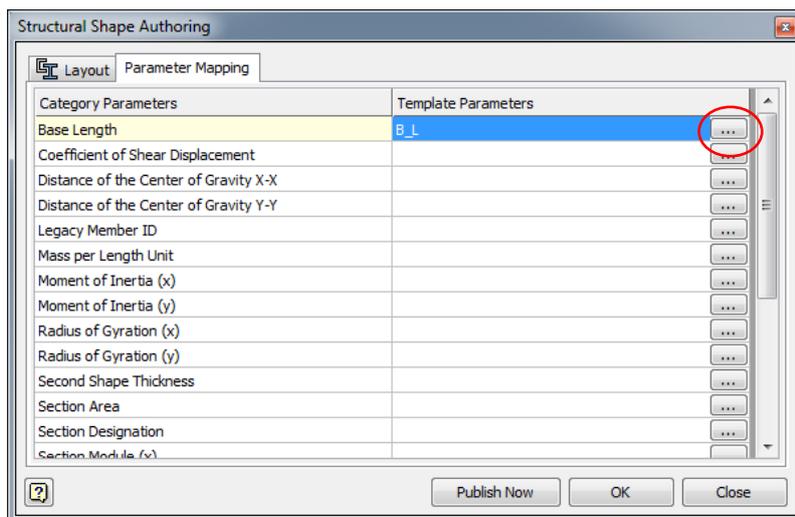
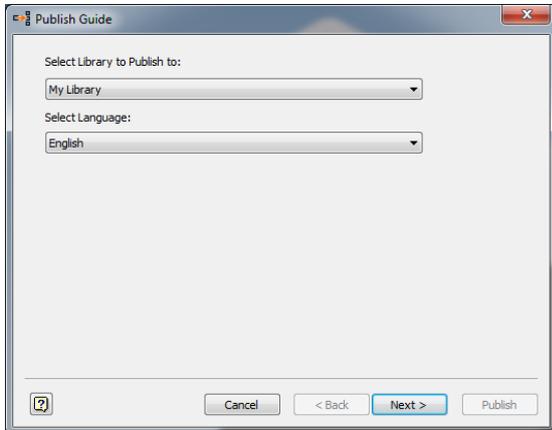


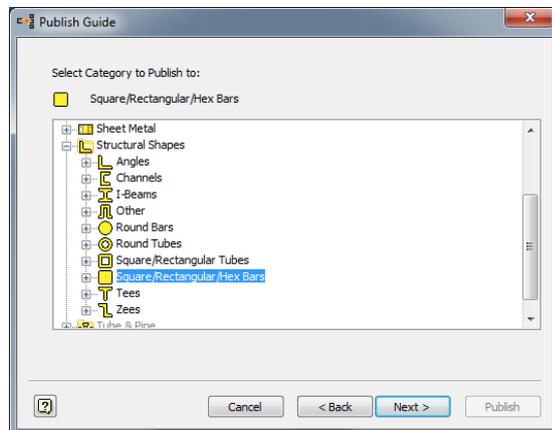
FIG 5.0a

## Publishing a part

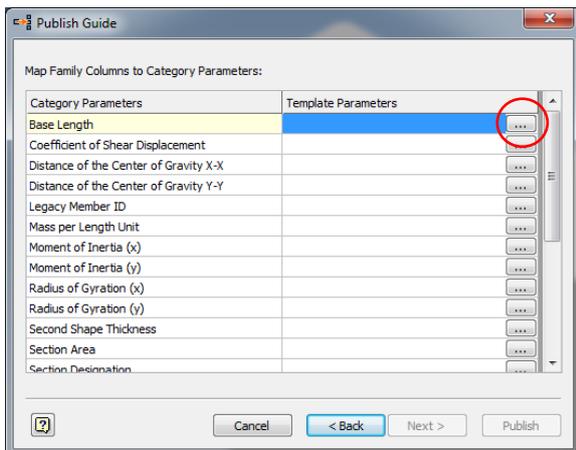
**Step #5.** Follow the instructions in the following dialog boxes to finish publishing the part to the Contents Center.



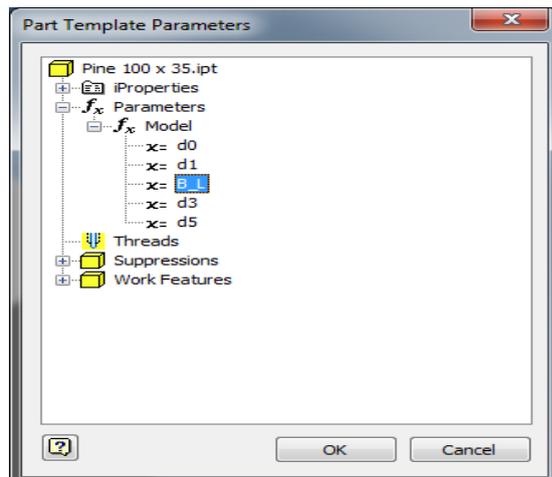
Select a library with *Read-Write* credentials.  
Choose a language. (English default)  
Select *Next*.



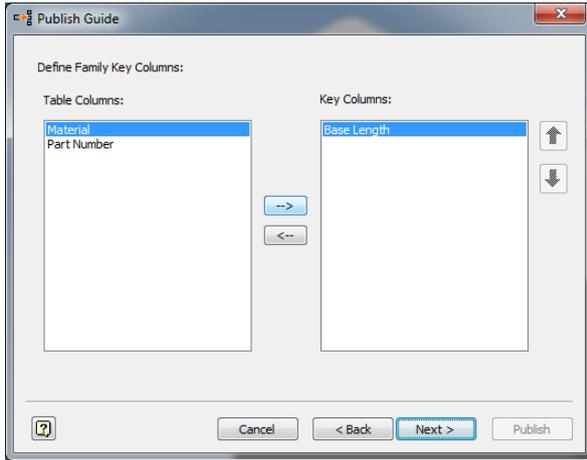
Expand *Structural Shapes* and select  
*Square/Rectangular/Hex Bar*.  
Select *Next*.



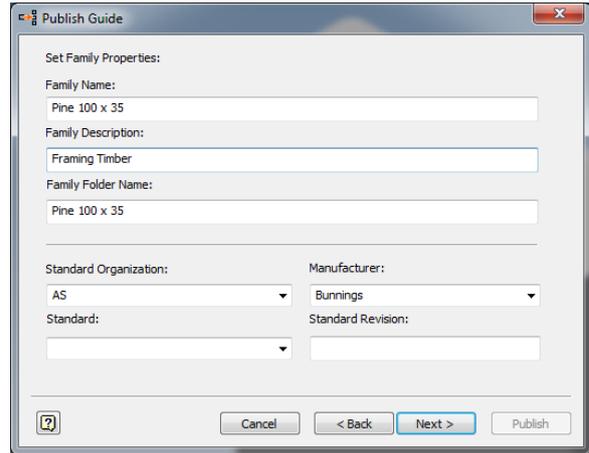
Select the small *Browser* button marked  
above to display the dialog at right.



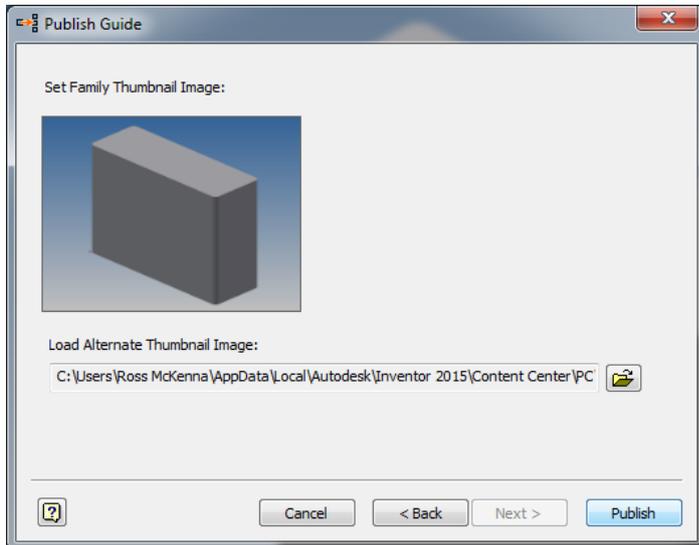
Expand the *fx Parameters* instance to show the  
**B\_L** parameter.  
Highlight the **B\_L** parameter and ok the dialog box.



Add *Base Length* to the *Key Columns*  
Select *Next*.



Add values as shown  
Select *Next*.



Select *Publish*.  
If Successful this new member will be  
available for use in the *Frame Generator*.