

How to EMP Drawings

Questions? Contact Kevin Richard

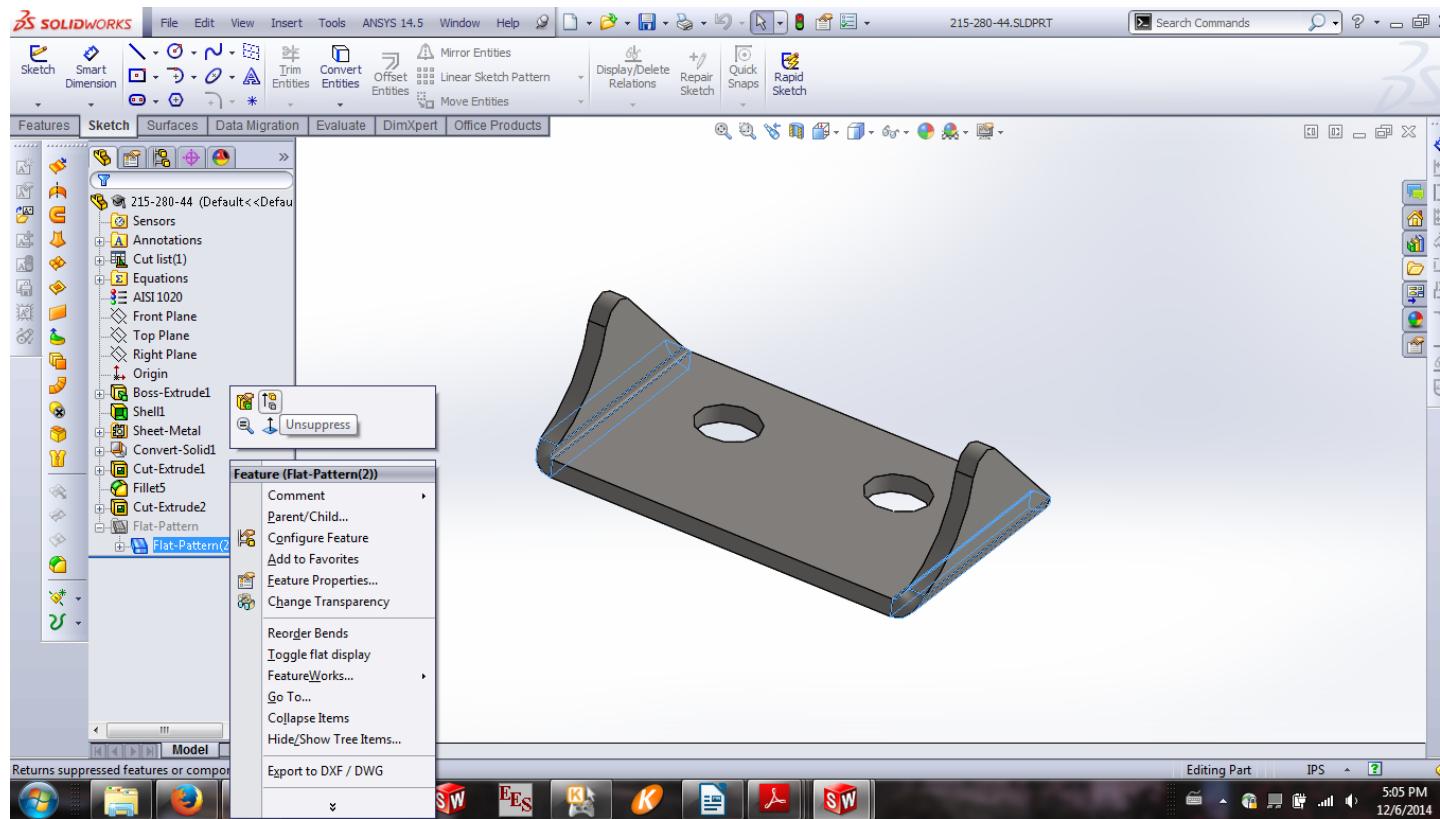
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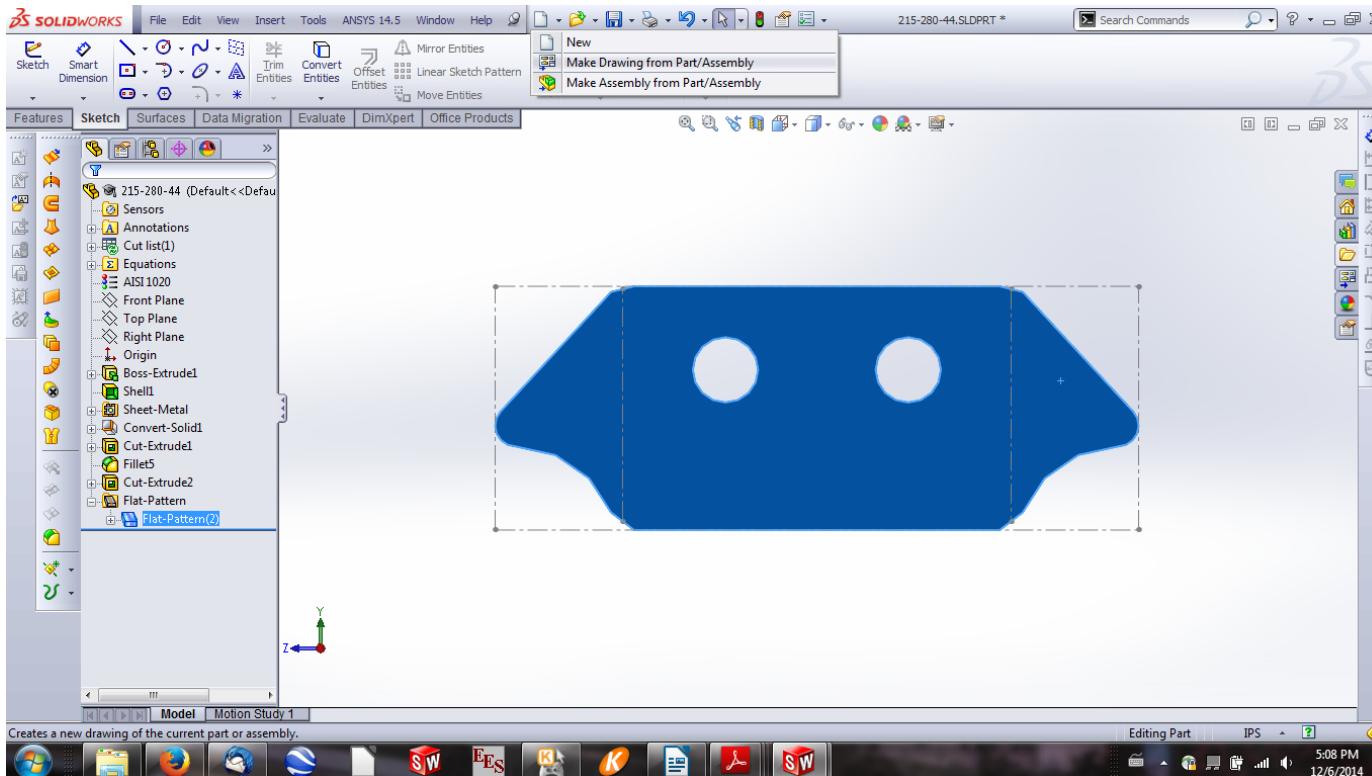
Before beginning, make sure you have updated your Solidworks Templates. See the word document saved on SVN under “General -> Solidworks Templates”. Where it says in the last step, “You’ll know who you are if you need to use the other templates...”

Congratulations, you know who you are! Use the DXF template.

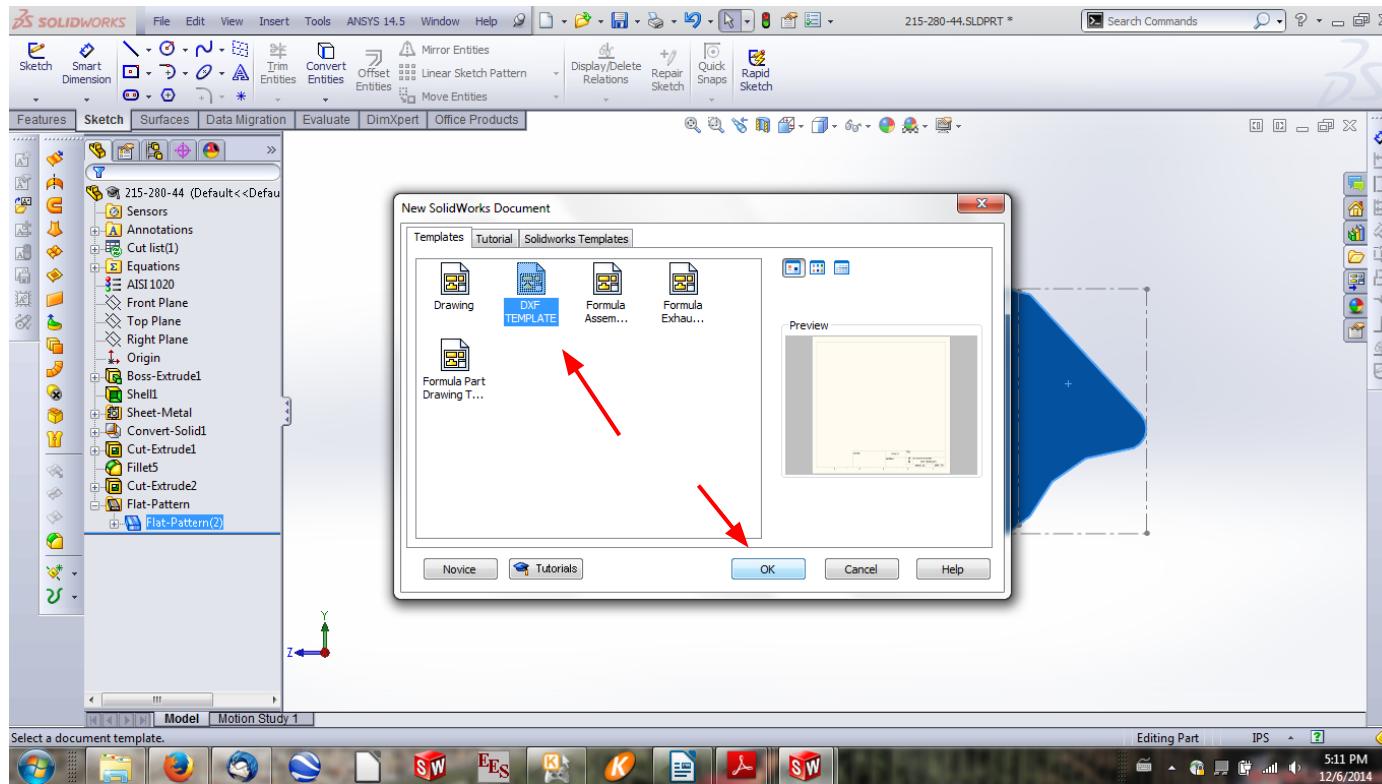
Unsuppress the Flat Pattern



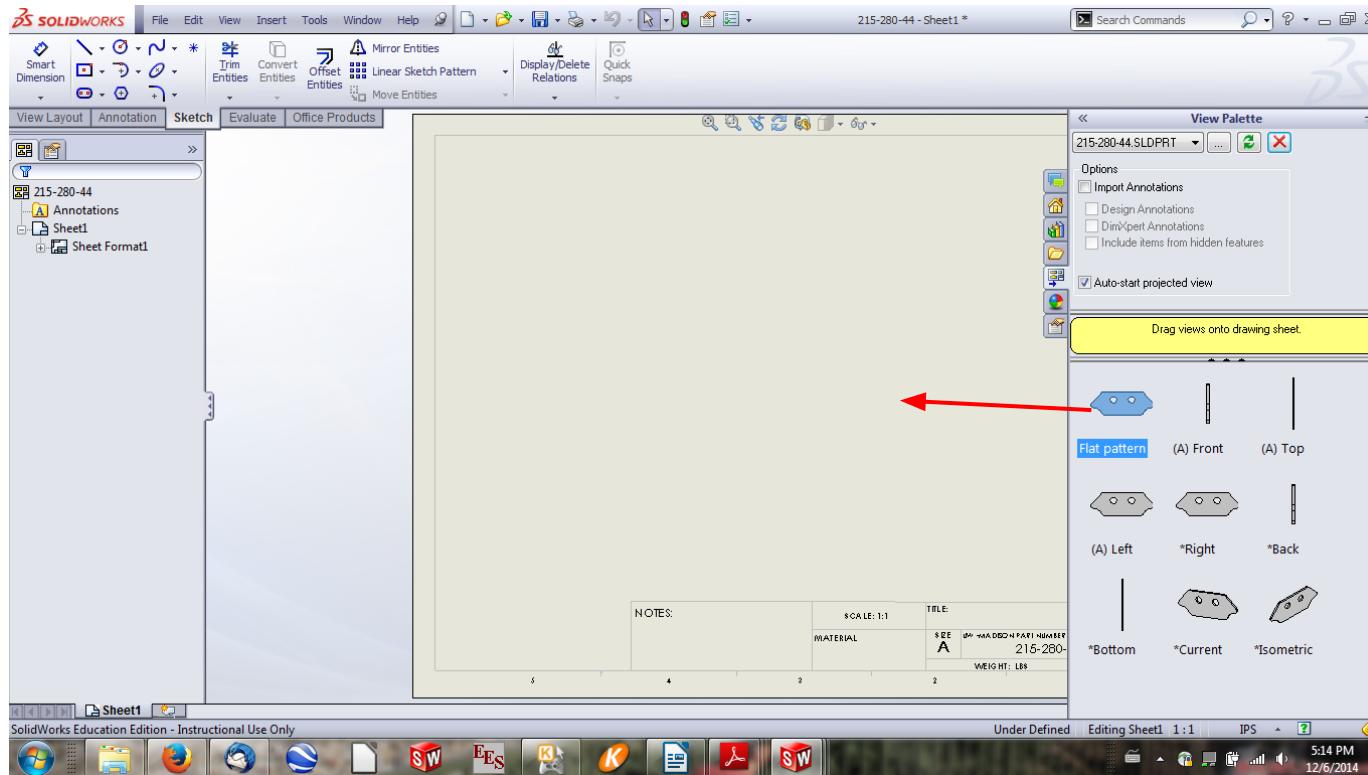
Click “Make Drawing from Part/Assembly”



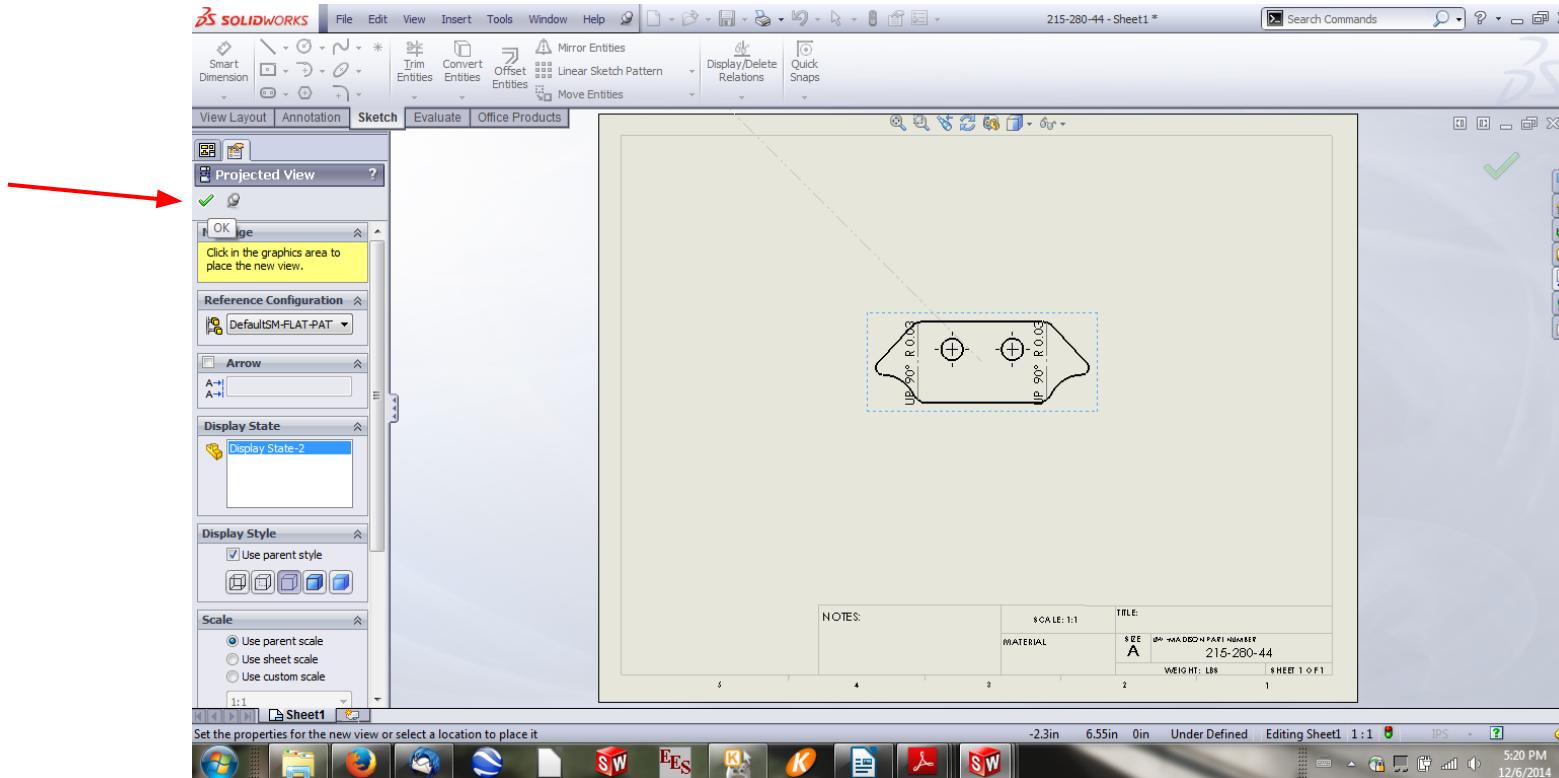
Select “DXF TEMPLATE”, then click OK



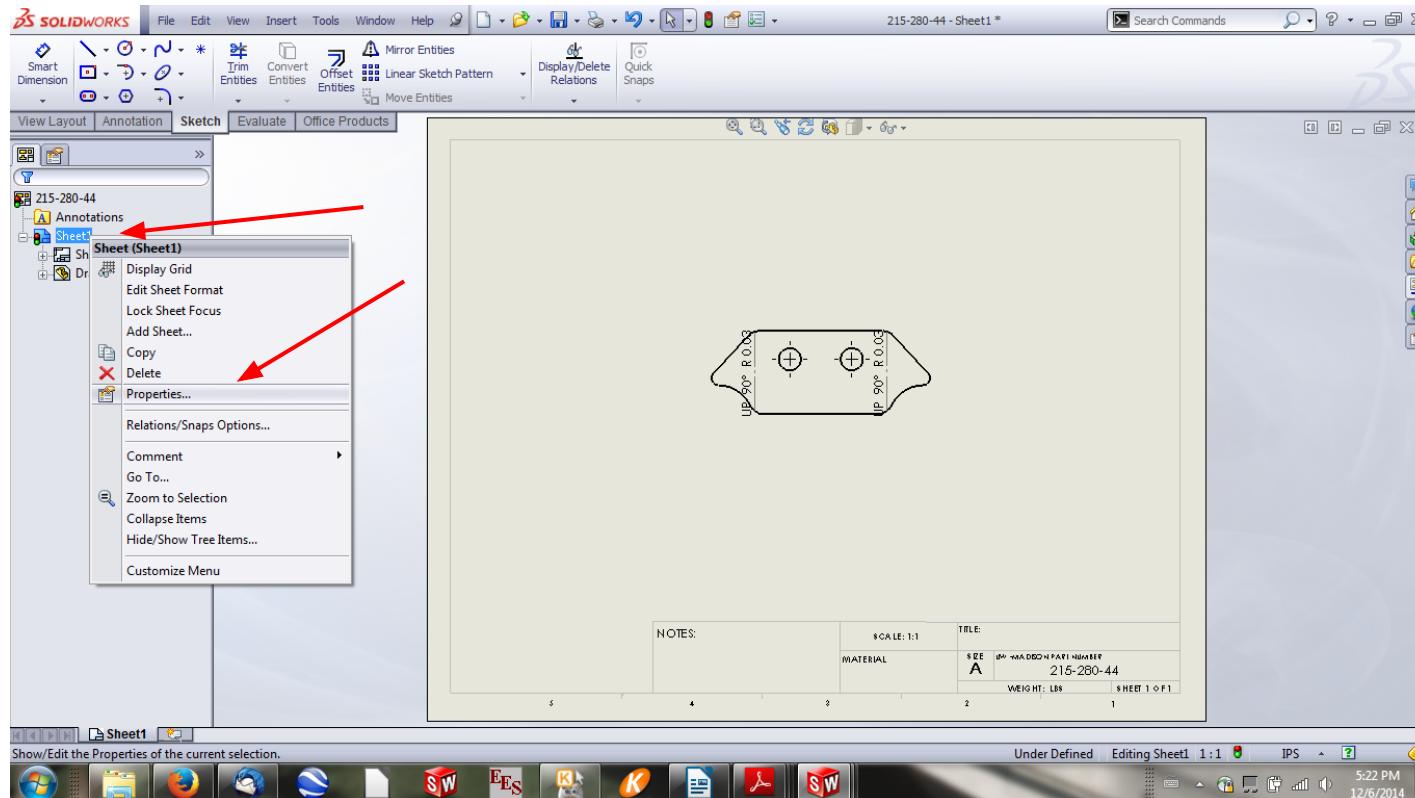
Click and drag “Flat Pattern” onto the drawing page



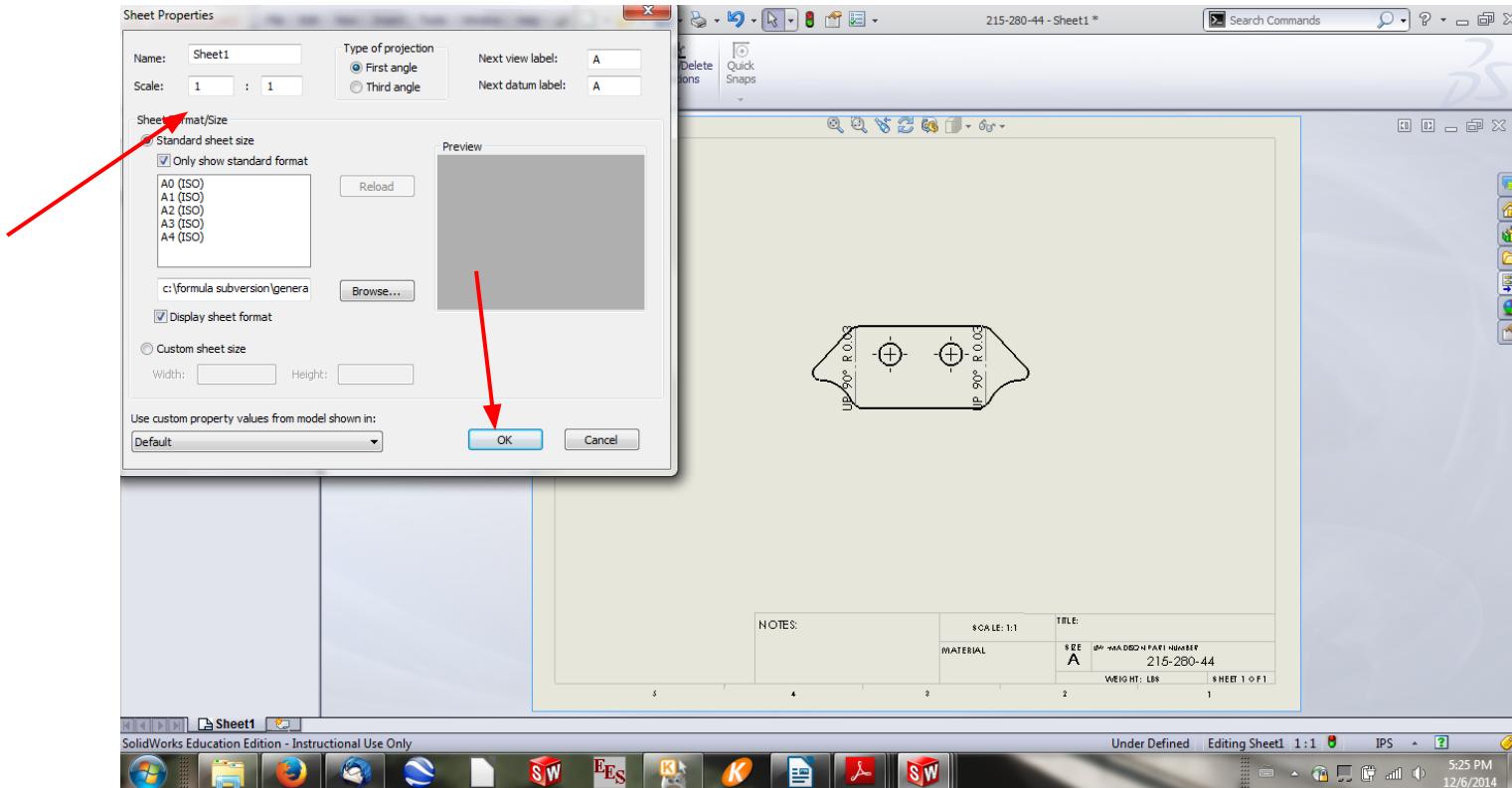
Click the green check mark in the upper left hand side of the screen



Right click “Sheet” -> “Properties”

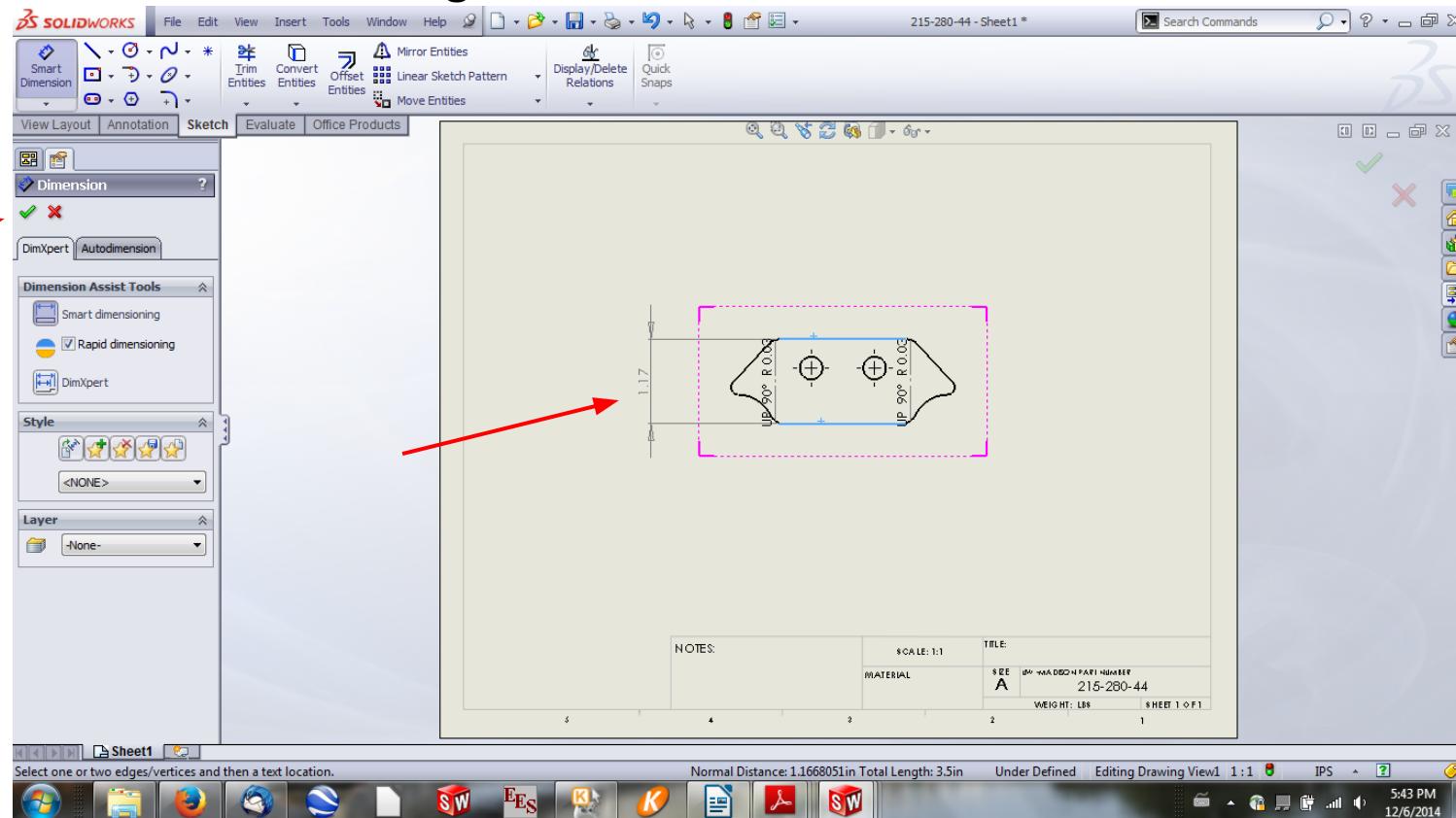


If it is not already, make the scale 1:1. Do not worry if this makes the part bigger than the page. EMP only uses the digital file and does not print the sheet. Click OK when finished.

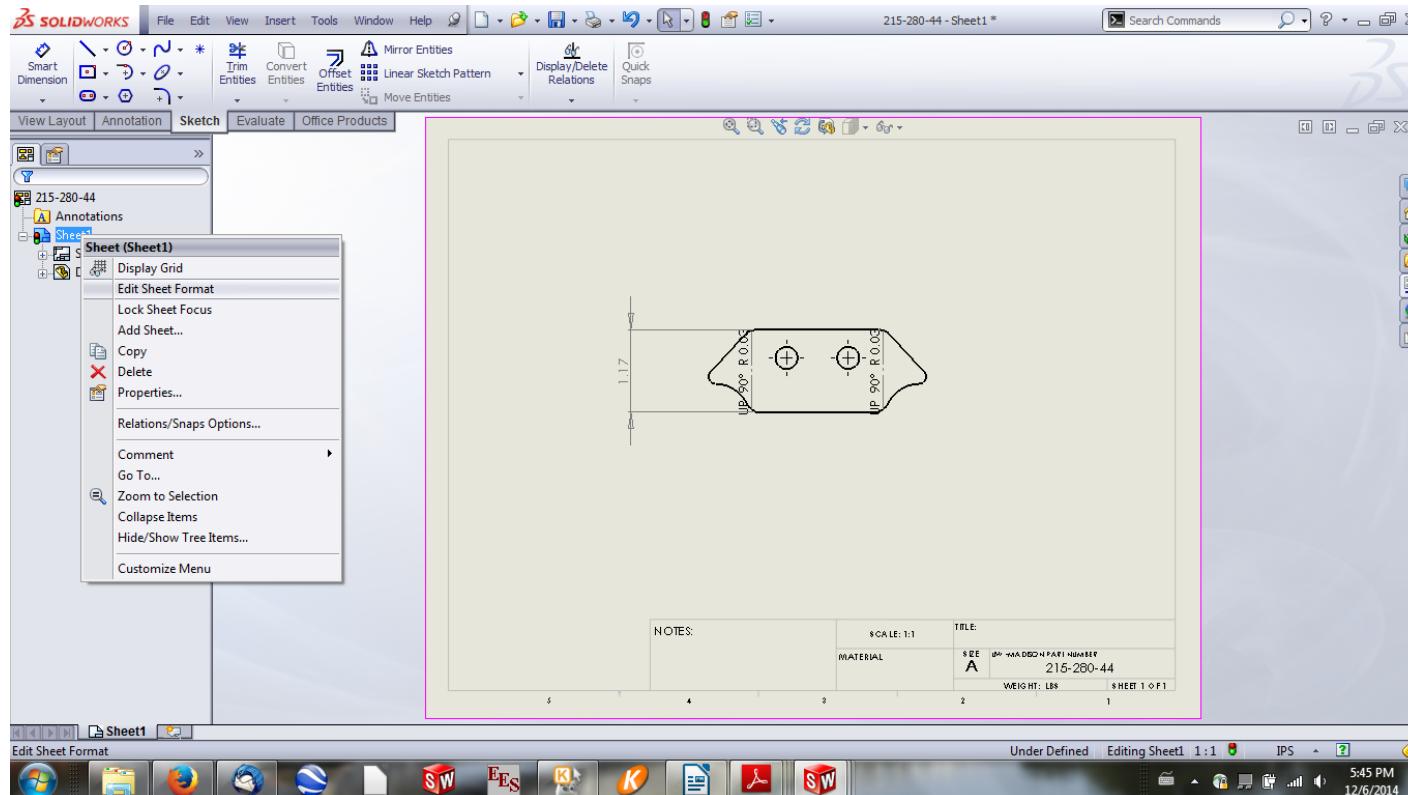


Place a single dimension on the part in a place that is easy to measure. EMP will use this to check the physical part for correct size and make sure their stock is the right size.

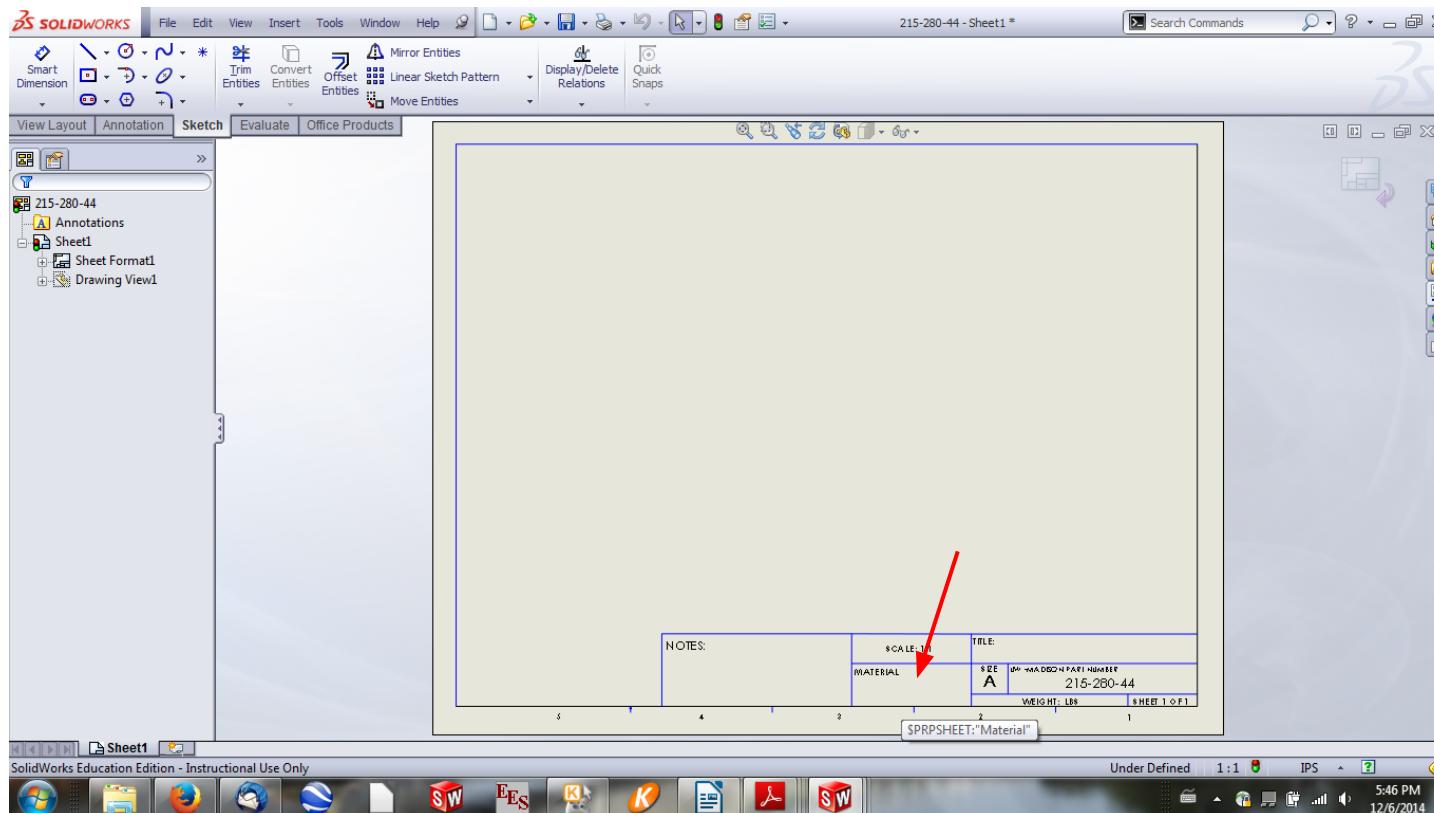
Click here when done



Right click “Sheet”, -> “Edit Sheet Format”

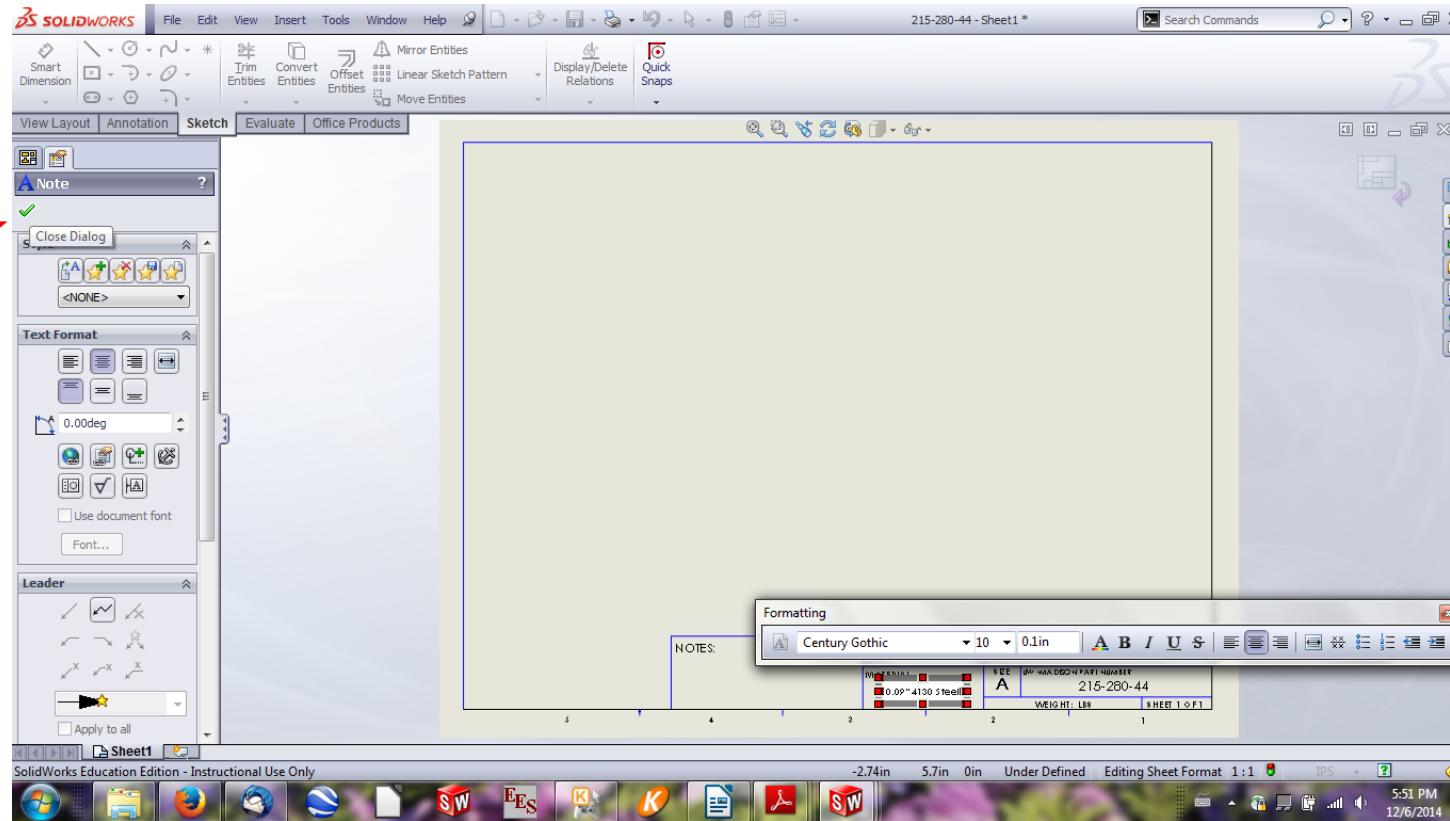


Double click the text box in the center of the “Material” box. Type in the thickness of the part, then the material (ie, 0.09” 4130 steel, 0.063” 5052 Aluminum, etc.)

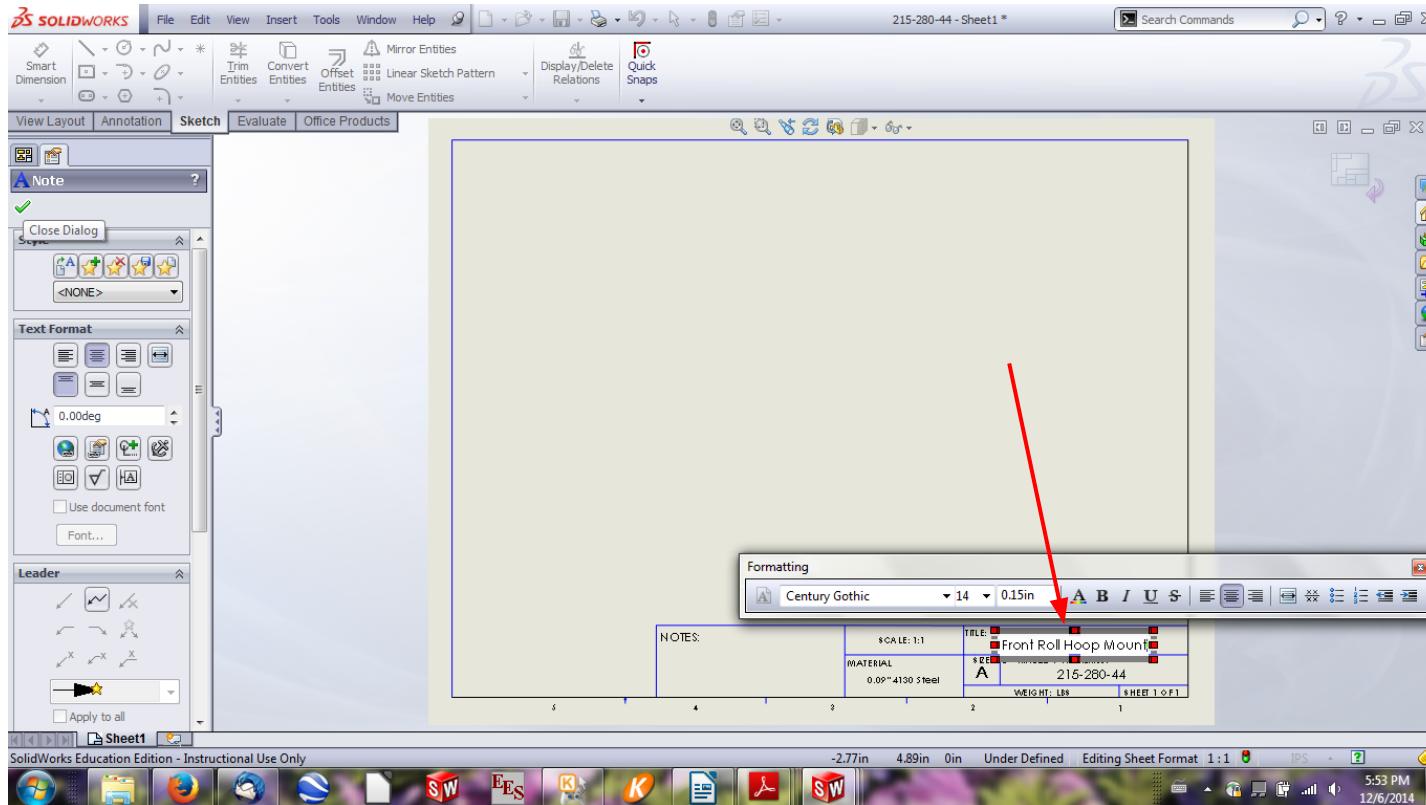


This is what it'll look like while you do it.

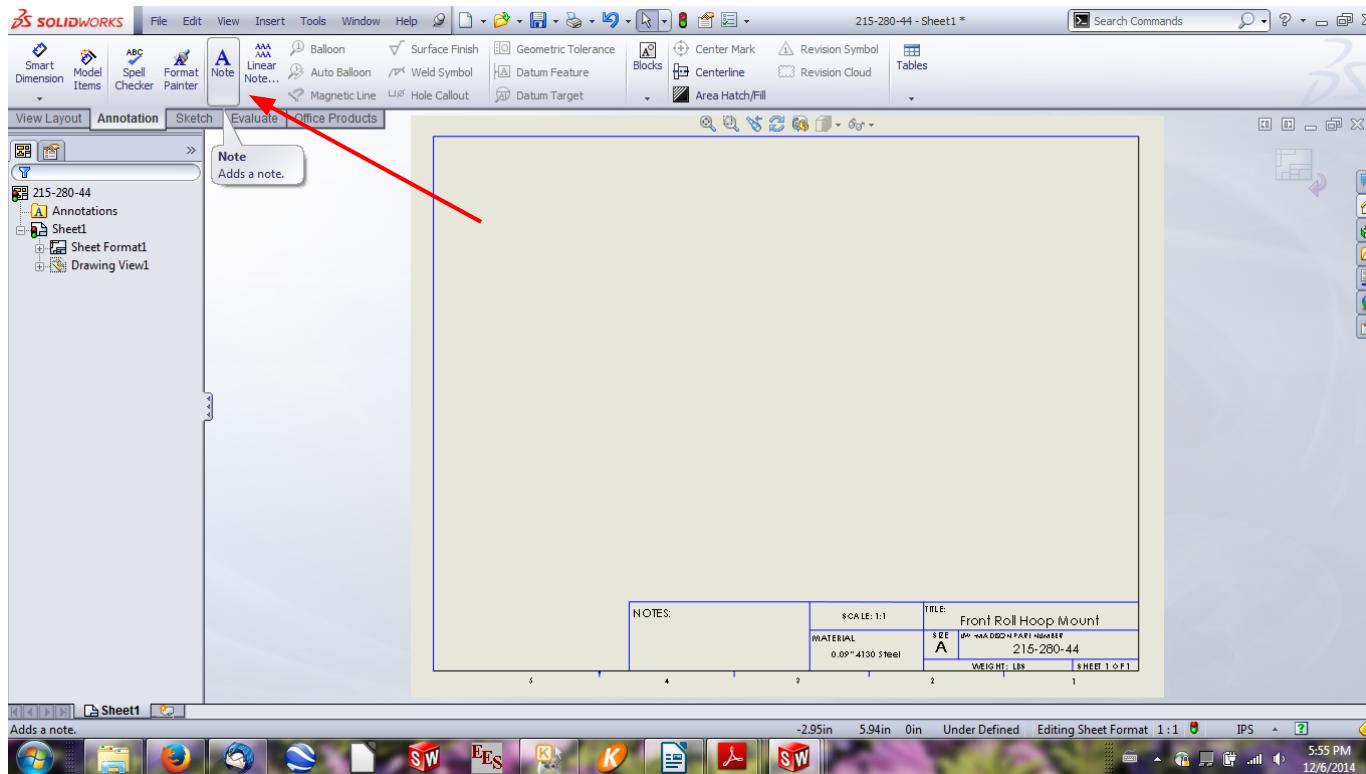
Click the check mark when done



Do similarly to give your part a title. Don't skimp on this; EMP likes to know what they're making.

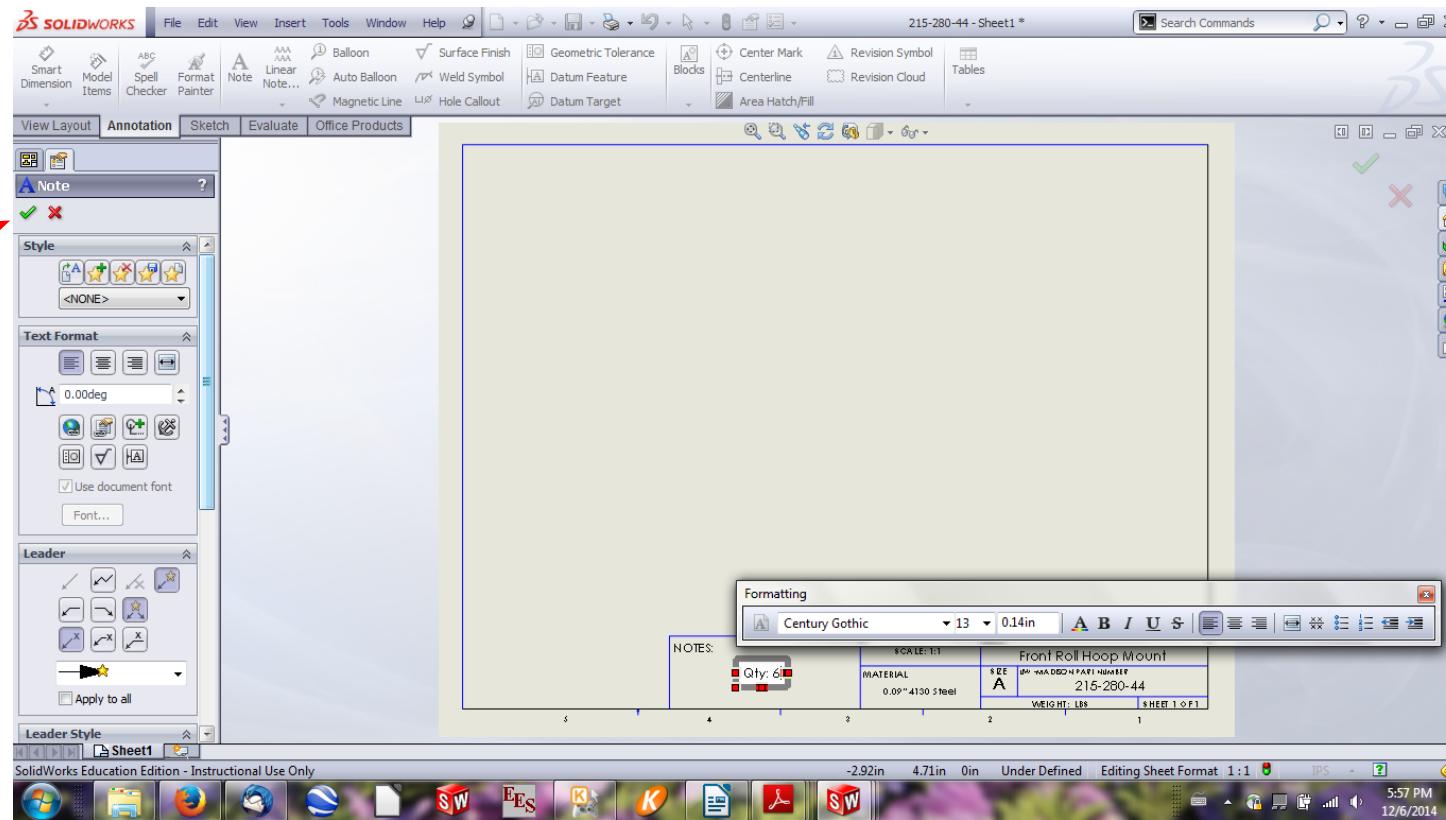


In the “Annotation” tab, click “Note”

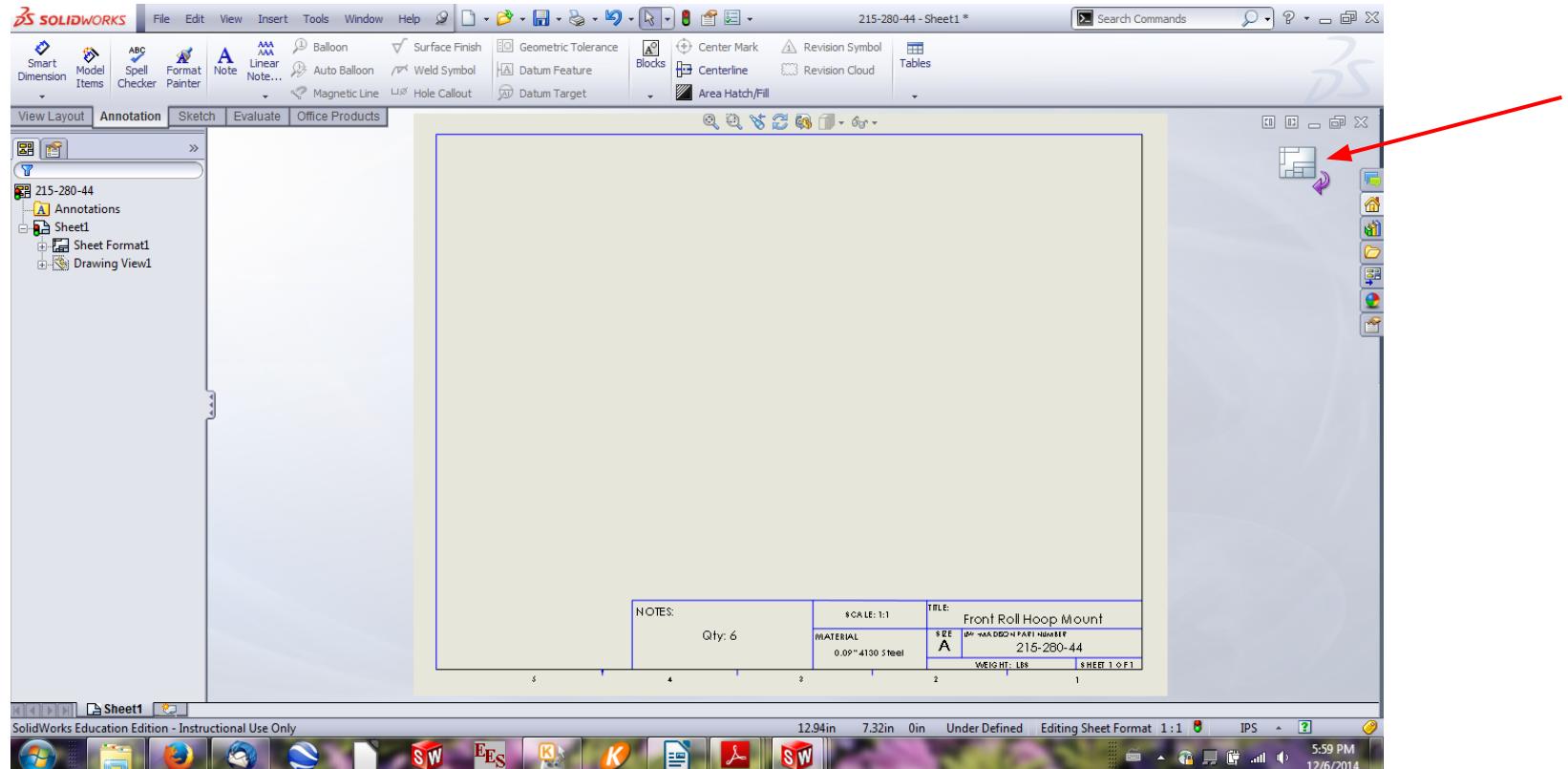


Click in the middle of the “Notes” box in the drawing. Type in “Qty: x” where “x” is how many of the part you want made.

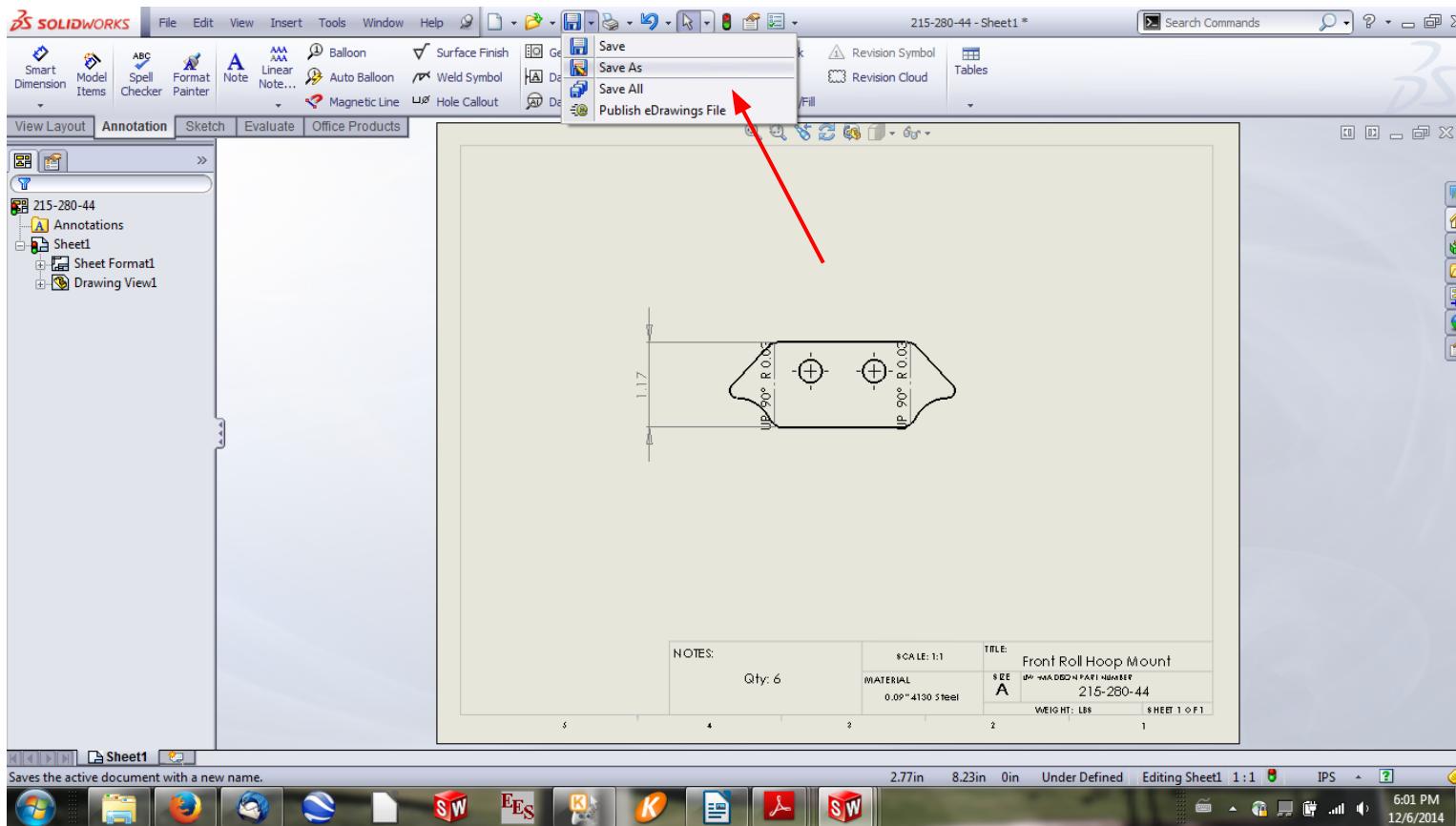
Click the check mark when done



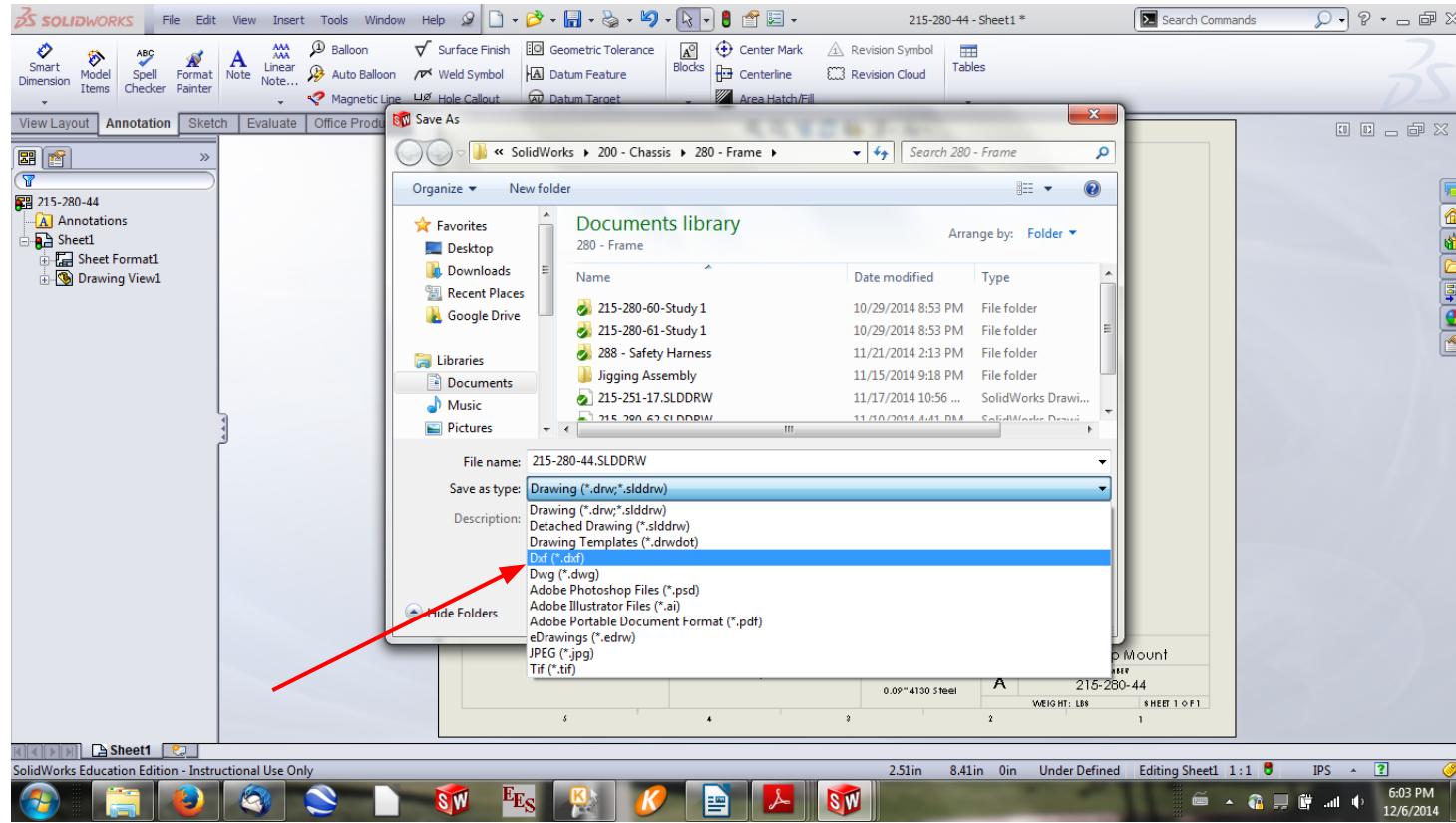
Click the drawing icon in the upper right hand corner to return to the normal drawing environment.



“File” -> “Save As”



Save as a “DXF”



Go to the directory where you saved the DXF file and double click to open it in Solidworks eDrawings. It should look like this, except with your part. This step is just to make sure the drawing came out right. Once done, email the dxf to the EMP Order organizer and include:

1. Part

2. Quantity

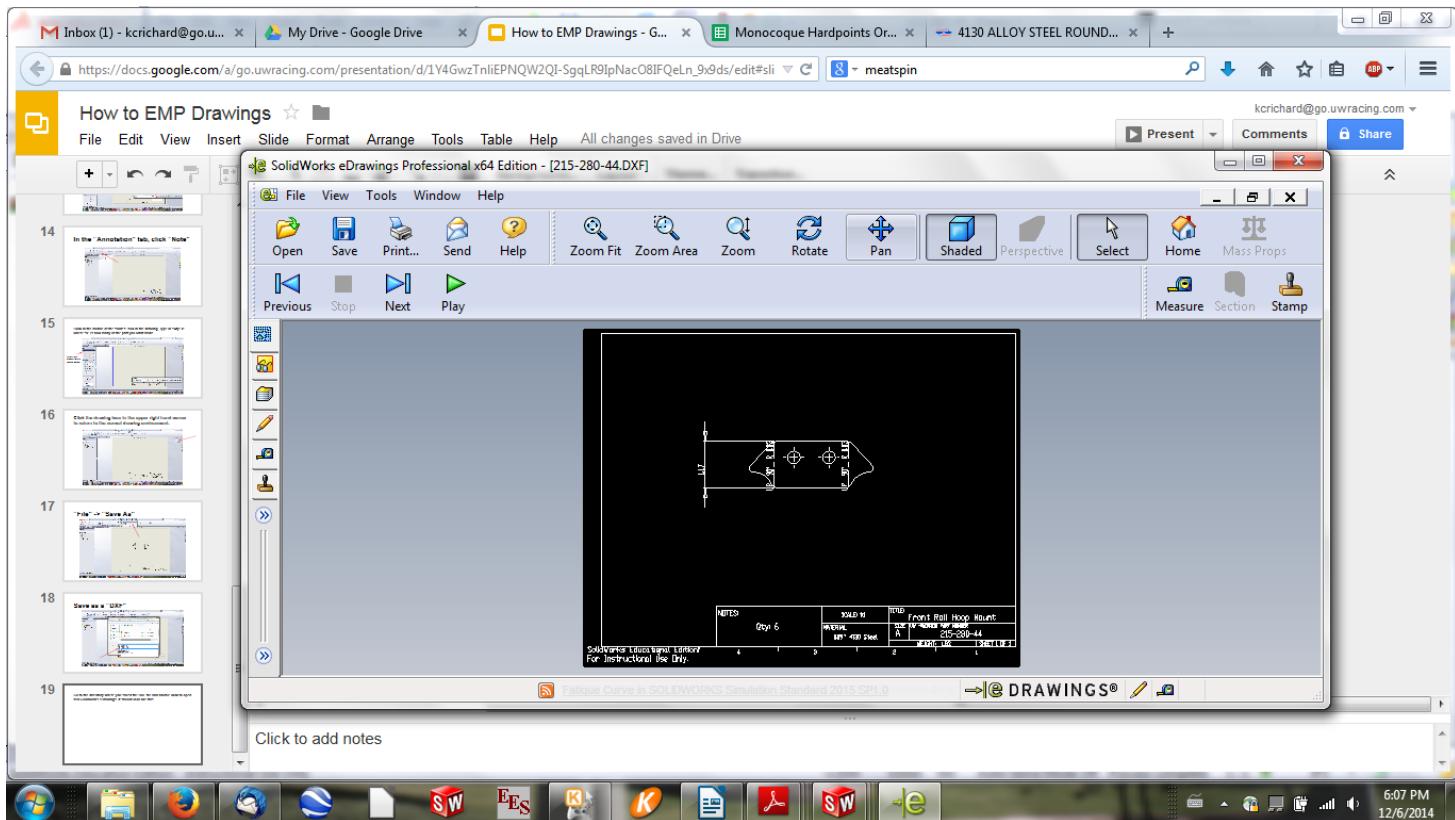
3. Thickness

4. Material

5. Flat or formed

6. Whether or not it's a repeat part.
Give the first year the current design was made, if possible.

7. notes



**Congrats, you've made a drawing for
EMP!**