



*Shaping
the Future
with Metal*

P.S.M.L.V dba Penn Sheet Metal 421 Schantz Rd.
Allentown, PA 18104 PO Box 3535 Allentown, PA 18106
(610) 395-8214
sales@pennsheetmetal.com
www.pennsheetmetal.com

SUBMITTING FILES TO PENN SHEET METAL

Penn Sheet Metal will accept the following Files:

DWG, DXF, SLDPRT, STEP, STL, EPS, AI, and SVG Files

(If needing to provide a file not noted, please reach out and see if any issues with File Type

PDF's with Dimensions **MUST BE** Send with Each Part

For DWG / DXF Files Types:

Typically Flat Drawings, Please Ensure the DWG or DXF provided ONLY contains the part. If Title Blocks, Additional Info, or Multiple Drawings are Present on the Drawing we will have to either edit each file OR request those edits be made by your CAD department.

All DWG or DXF should be in Imperial when sent to PSMLV. Penn Sheet Metal can scale the drawing from Metric to Imperial but cannot promise slight alterations to be made with the conversion.

For all DWG and DXF's provided, a PDF Print Set must be provided of the part/s fully dimensioned out to check for accuracy of part files to ensure everything matches.

All DWG and DXF's MUST be drawn in color WHITE (INDEX COLOR 7 / Red, Green, Blue 255,255,255) - Part Files drawn in Color will not be accepted.

If ETCHING is required, please mark what you would like to be Etched in color Yellow in your drawing (INDEX COLOR 2 / Red, Green. Blue 255,255,0).

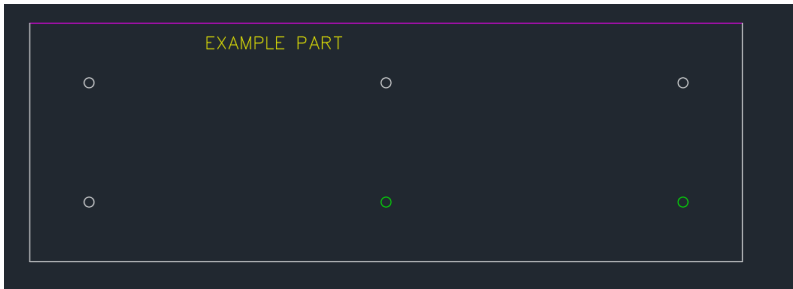
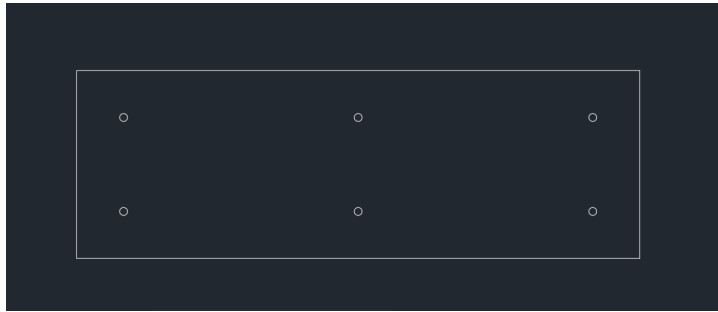
If Exporting from Adobe, Corel, Aspire, Etc. Please note lines come across as splines to AutoCad. Depending on part and quality of drawing exported, additional design time MAY be required.

Drawings must be sent in 1:1 Scale. Scaled DWG or DXF will be rejected or incur additional fees.

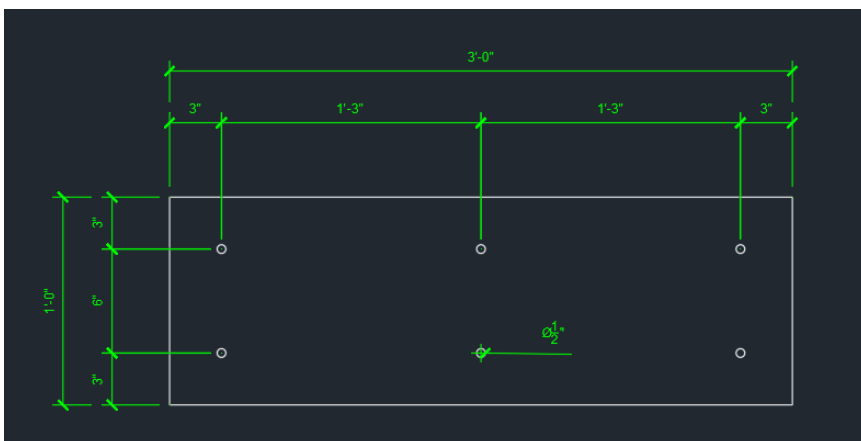
If Exporting from Solidworks or Fusion, please ensure drawings are exported from proper face and not at angle to show material thickness, bend lines, or fasteners/attachment accessories.

Please DO NOT Send Drawings Nested, Penn Sheet Metal will handle Nesting of Parts

ACCEPTABLE



NOT
ACCEPTABLE



For Solidworks

If Sending an Entire Assembly, Please use the Feature Pack and Go to send all files to Penn.

https://help.solidworks.com/2024/english/SolidWorks/sldworks/c_pack_and_go.htm

Sending Individual Parts is Acceptable if sending in proper File Types listed on Page 1.

Please note, if sending parts from Solidworks that contain bends required, ENSURE the part is drawn as a sheet metal part in Solidworks. If drawn as Boss and Extruded Shape or Line Shape the file will be rejected or additional design costs will be incurred.

All Solidwork Files must be accompanied by PDF drawing set of all parts required.

If working regularly with PSMLV on Bent Sheet Metal Parts, please contact us for generalized Bend Radius to Tooling we have to avoid any hiccups.

Prior to sending SW Files please make sure document units are set to IPS and not MMGS, if they are our program will catch it but does throw errors during conversion.

If required for Penn Sheet Metal to acquire Insertion Hardware, Accessories, or Additional Items for Solidwork part files, please make sure all of those are shown on the assembly drawing or a PDF is provided of parts required with quantity.

Some Radius may not be able to be achieved, PSMLV may ask to step bend a part to meet larger radius.

IF sending STEP Files or STL Files of Assemblies or Multiple Attached Parts, we may ask to send as Pack and Go instead. Pulling apart drawings in STEP or STL formats will add additional design time that will be charged to the project.