

Create Sheet Metal Part

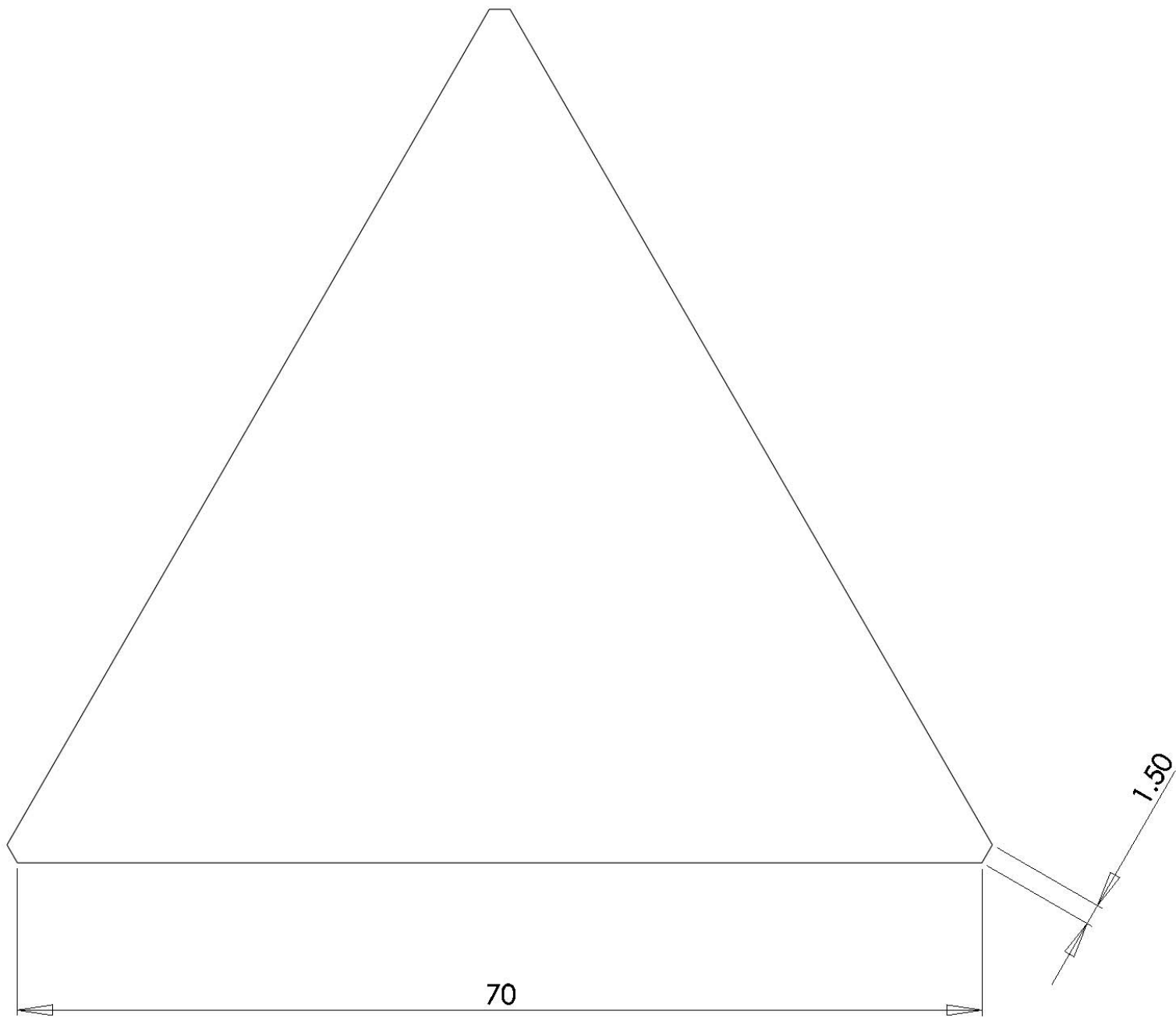
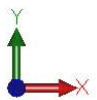
- Create base flange
 - View / Toolbars / Sheet Metal
 - Thickness = .25 mm
 - K=0.5
- Add edge flanges
 - Length > 70mm
 - Set Flange Position
 - Set angle (110°)
- Add lettering to a side
 - No disjoint bodies
 - Bauhaus 93
 - 13 mm
- Cut out lettering
 - Through All
- Add hole
 - 2 mm
 - On reference plane
 - Through All (in both directions)

Convert into DXF

- Flatten sheet metal part
 - Un-suppress Flat-Pattern
- Hide bends
 - Expand Flat-Pattern
 - Suppress “Bend-Lines” feature
- Save as DXF
 - Right-click / Export Flat Pattern to DXF/DWG

Prepare DXF for Cutting

- Start OMAX Layout
 - Installed on lab PCs
- Import from other CAD
 - Saved DXF file
 - File menu
- Verify Dimensions
 - Measure tool
 - Use Select and Size tools to adjust scale
 - Shrink inches to mm if necessary
- Config Icon
 - Physical units
 - Snap to grid
- Clean
 - Select all check boxes
 - If part gets messed up, undo and close gaps manually
- Save & submit to machine shop
 - Email help@ece.ubc.ca
 - Specify material
 - Specify gauge



ertw (Default)

Edge-Flange4

Flange Parameters

Edge<1>

Edit Flange Profile

Use default radius

0.50mm

1.00mm

Angle

110.00deg

Perpendicular to Face

Parallel to Face

Flange Length

Blind

70.00mm

Flange Position

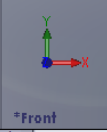
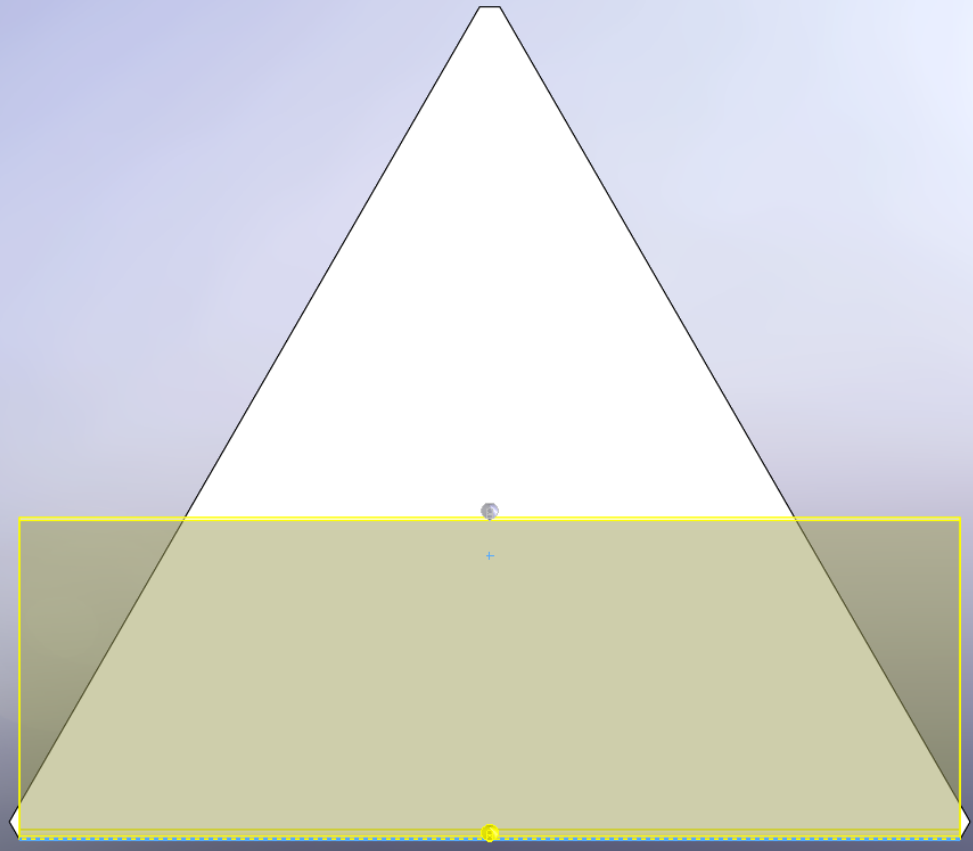
Trim side bends

Offset

Custom Bend Allowance

Custom Relief Type

Tear



*Front

Please click a location in empty space or a vertex to set the flange height

ertw (Default)

Sketch Text

Curves

Text

ERTW

100%

100%

Use document font

Font...

Choose Font

Font: Bauhaus 93

Font Style: Regular

Height: Units 13.00mm

Space: 1.00mm

Points: 41

8 9 10 11

Effects

Strikeout Underline

Sample

AaBbYyZ:

