

BENDING DRAWINGS

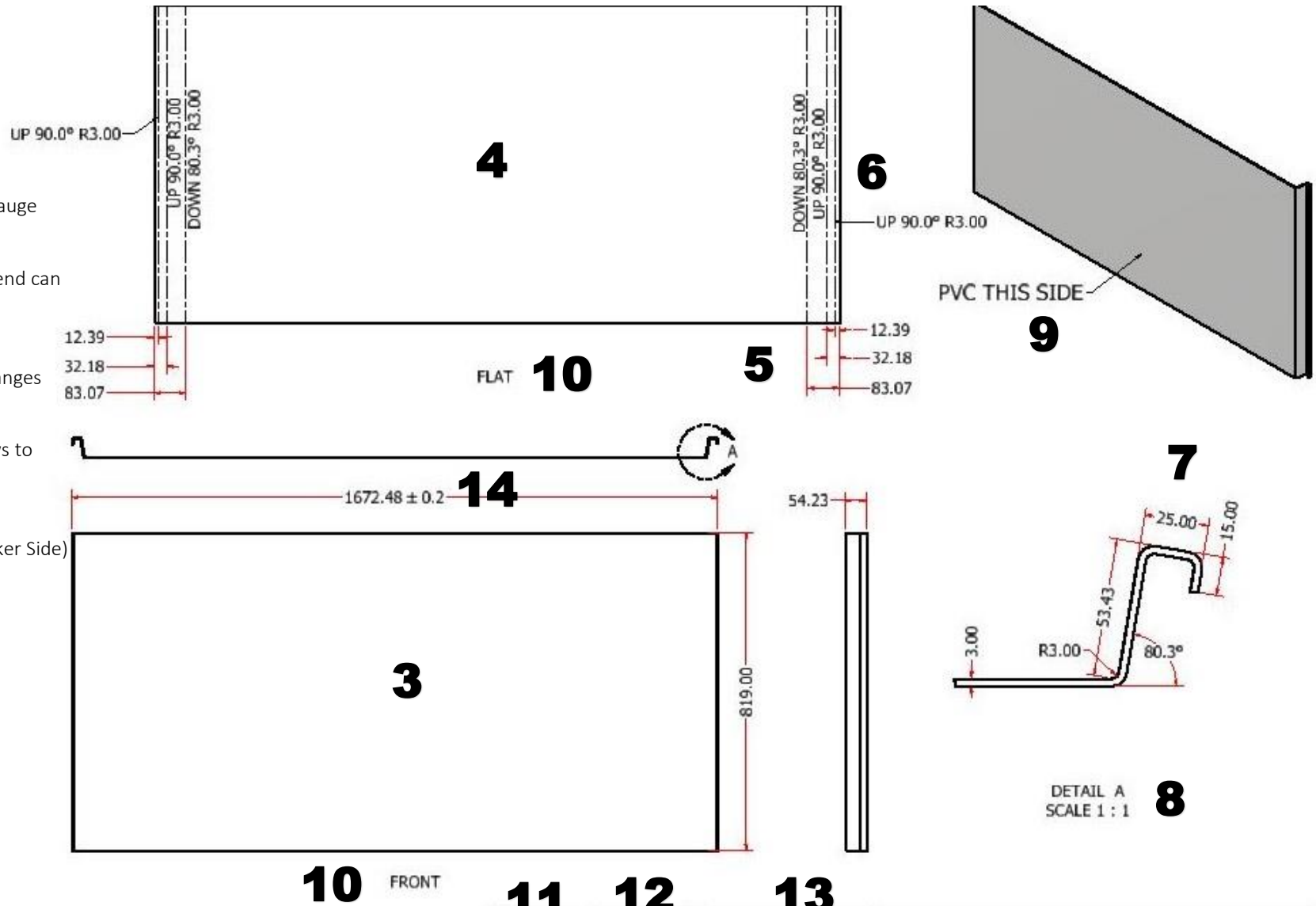


Minimum Requirements Checklist

1. Part name and revision
2. Customer/company name
3. Front, top and side views
4. Flat pattern
5. Distance to all folds from the back gauge meeting edge
6. Bending angle and radius on each bend can be clearly seen (not overlapping or obscured)
7. Overall measurements of created flanges and critical measurements*
8. Any required section and detail views to achieve 5-7
9. Image of the part including side dependence (e.g., PVC, Finish, Checker Side)

Additionally, also include

10. Flat and front labels
11. Your name
12. Date drawn
13. Sheet thickness and material
14. Dimension tolerances if available



*Critical measurements are particular to the customers specifications for the part. Usually, these dimensions are needed to ensure a fit or tolerance is met. For fold drawings only the folded critical dimensions are required. For approval drawings more dimensions are required to fully define the part.



DATE Ty 21/05/2021	MATERIAL 3 mm, Aluminum 5005	CUSTOMER Customer Name
NAME	SIGNATURE	TITLE Roof
DATE		

Hi,

To facilitate fast quote turnaround at your SLA, Express Metal Products requires drawings and files to match the below criteria:

Express Metal Products use AutoCAD & Inventor 2023 for all our drawing work. Our default K factor for bending is .44 within this software, and it works well for us.

It would be ideal if you could supply clean flat pattern DXF files at 1:1 scale factor. The layering/colour scheme is as per below:

- Cutting is in colour White / Black
- Etching is in colour Yellow
- Fold lines in colour Cyan
- No processing is in colour Red

A PDF with similar layout & details to the one attached is required, for each part.

Our regular customers also supply STP files in case we need to make any changes. We will always check before changing a part. Assembly drawings would also help – but not essential.

Normal inside radius folds at 90° allow the material thickness i.e 2mm plate – allow 2mm inside radius.

Our larger radius forming tooling are as follows:

R-7mm	R-10mm	R-12mm	R-12.5mm
R-15mm	R-20mm	R-25mm	

We are happy to work with customers default drawings but they may take extra time to modify files to suit our ERP systems.

Feel free to contact me if you require any further information.

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