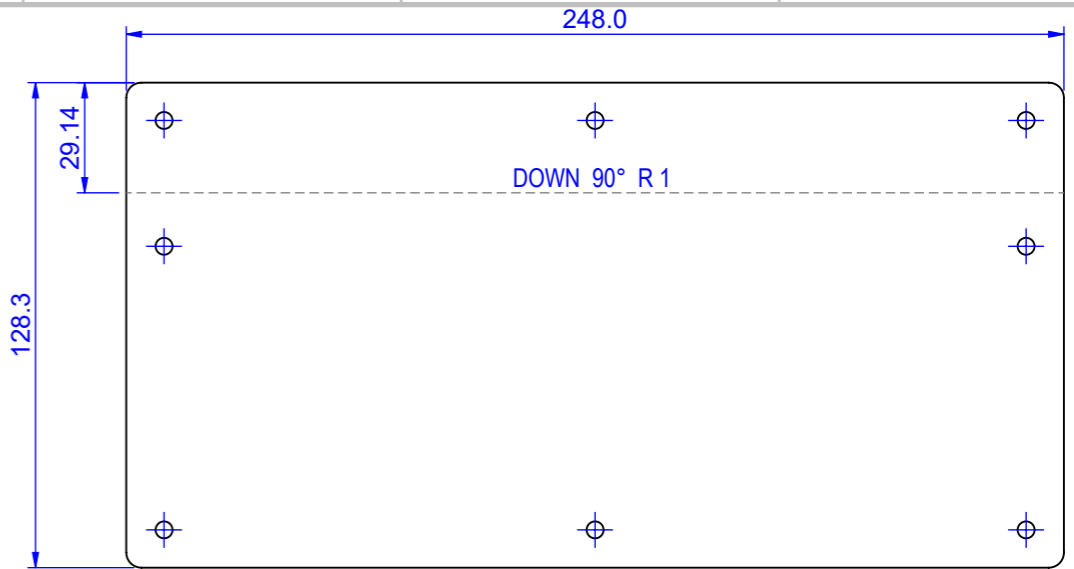
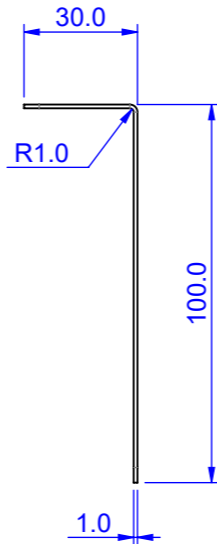
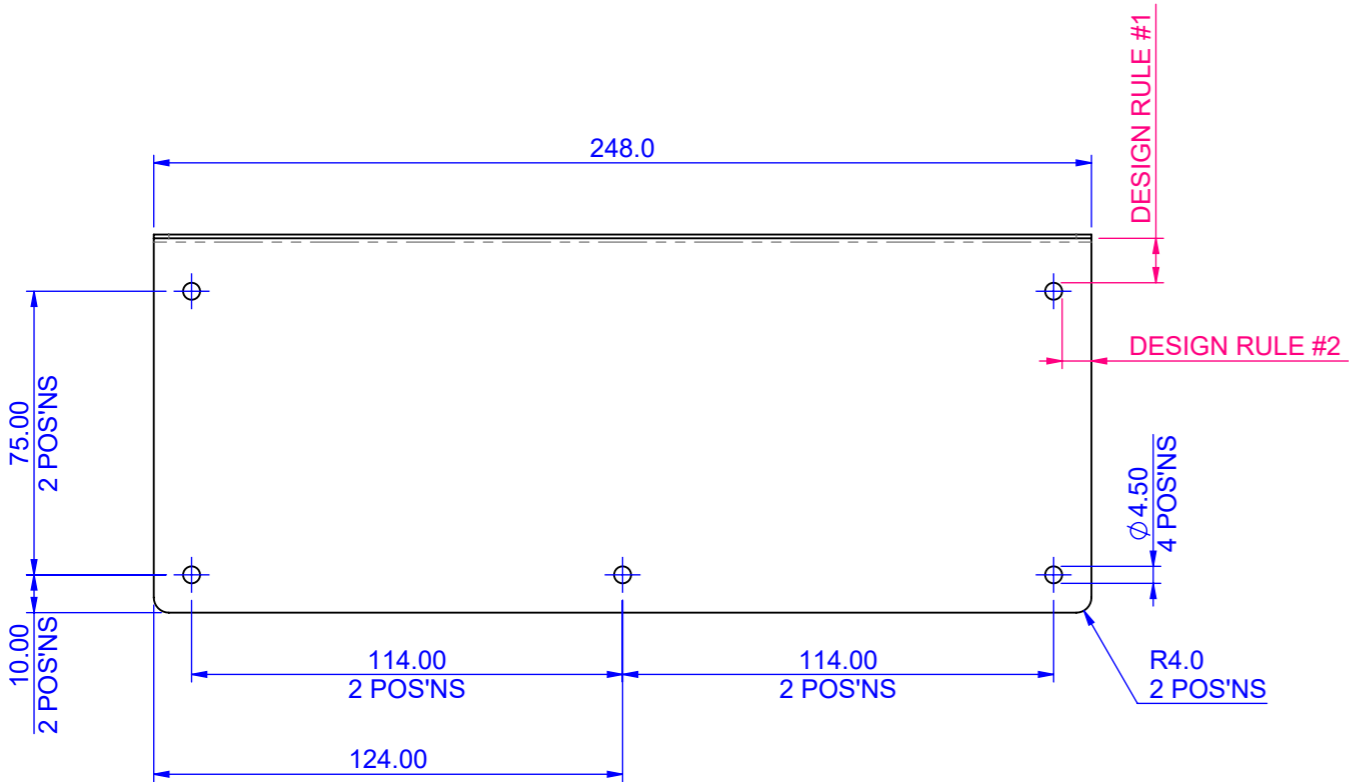
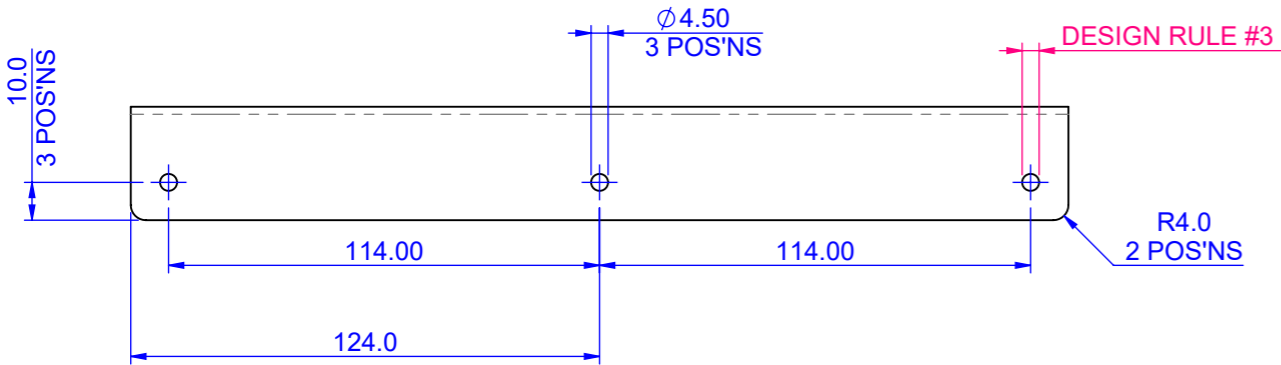


REVISIONS				
REV.	DESCRIPTION	DATE	DRAWN	APPROVED
C1	CONCEPT ISSUE	07-FEB-2025	WHC	TB

SOLIDWORKS PRACTICE

CAD MODEL GUIDELINES

1. START WITH A BASE FLANGE
2. USE HOLE WIZARD WHERE REQUIRED
(TRY USING A 3D SKETCH SO ALL THE HOLES ARE IN A SINGLE FEATURE)
3. IT'S NOT FINISHED UNTIL YOU HAVE A FULLY DEFINED DRAWING



FLAT PATTERN
SCALE: 1:2
K-FACTOR = 0.35

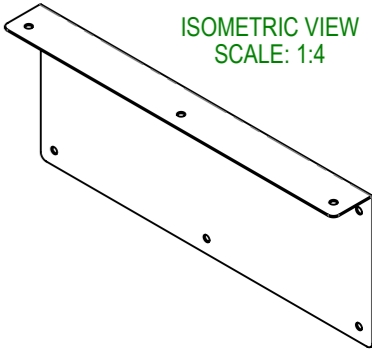
BEND DATA NOT VALIDATED WITH SUPPLIER
DO NOT USE FLAT PATTERN FOR MANUFACTURE

DESIGN RULE #1
THE DISTANCE FROM THE INSIDE FACE OF A BEND SURFACE TO THE EDGE OF A HOLE SHALL ALWAYS BE MORE THAN:
BEND RADIUS + 2.5x THE MATERIAL THICKNESS

DESIGN RULE #2
THE DISTANCE FROM THE EDGE OF THE SHEET TO THE EDGE OF A HOLE SHALL ALWAYS BE MORE THAN:
2.5x THE MATERIAL THICKNESS

DESIGN RULE #3
A HOLE DIAMETER OR SLOT FEATURE WIDTH SHALL ALWAYS BE:
AT LEAST 1x THE SHEET THICKNESS

DESIGN RULE #4
FLAT PATTERNS SHALL ALWAYS BE TREADED AS REFERENCE DATA (NOT FOR MANUFACTURE) UNLESS K-FACTOR AND BEND RADII ARE CONFIRMED BY THE MANUFACTURER



White Horse CAD Ltd Design Rights 2025 Tel: +44 (0) 1373 801 803 www.whitehorsecad.com		Material: Stainless Steel 316L Material Standard: (If Required) N/A Finish: N/A		Project: Practice Files Title: Sheet Metal Practice		Drawing Number P0500-00002		Scale 1:2	Rev C1	Name WHC	Date 07-Feb-2025	Weight 0.25Kg
Issue Status: C = Concept Issue P = Prototype Issue M = Manufacturing Issue		All Dimensions in mm DO NOT SCALE		Unspecified Dimensions X ± 1 mm Angular: $\pm 0.5^\circ$ X.X ± 0.3 mm X.XX ± 0.1 mm		THIRD ANGLE PROJECTION		Paper Size A3	Sheet 1 of 1	Checked TB	Date 07-Feb-2025	Surface Finish: General: (Ra) 1.6 μ m
Approved TB		Date 07-Feb-2025										