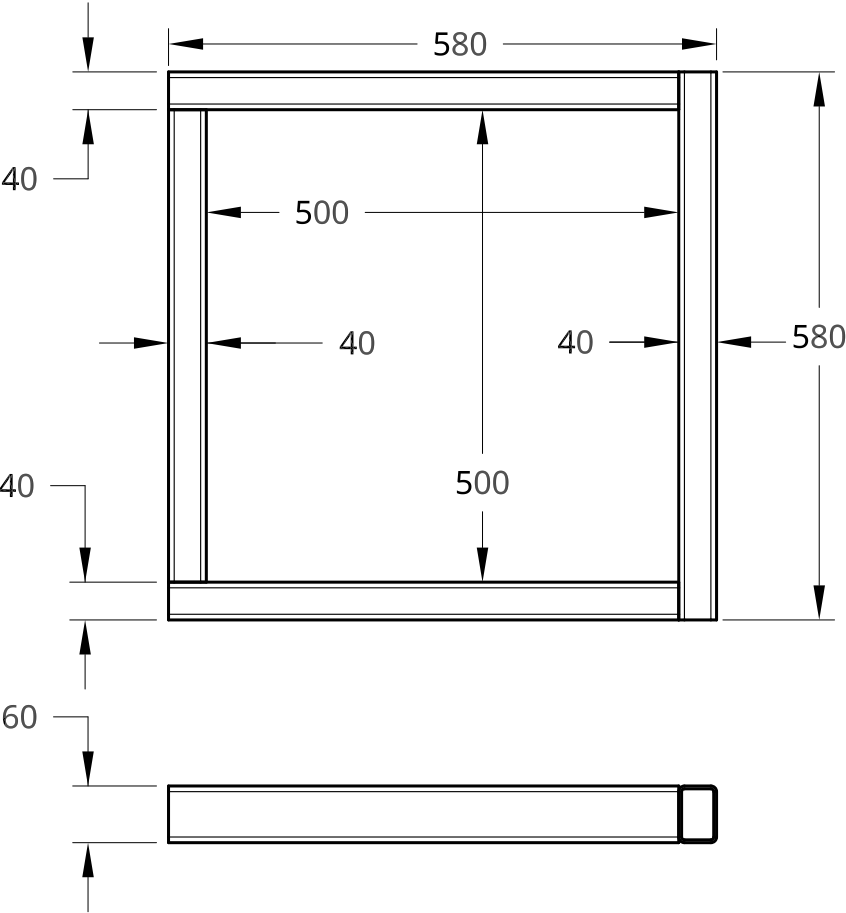
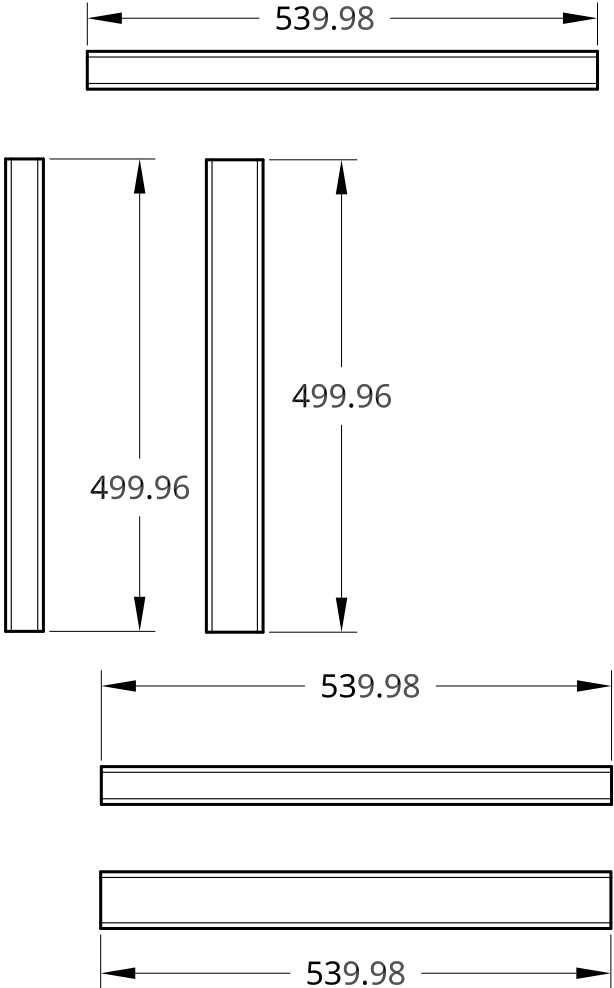


B



A

B

A



Each butt joint seems to trim an extra .02mm from the trimmed beam

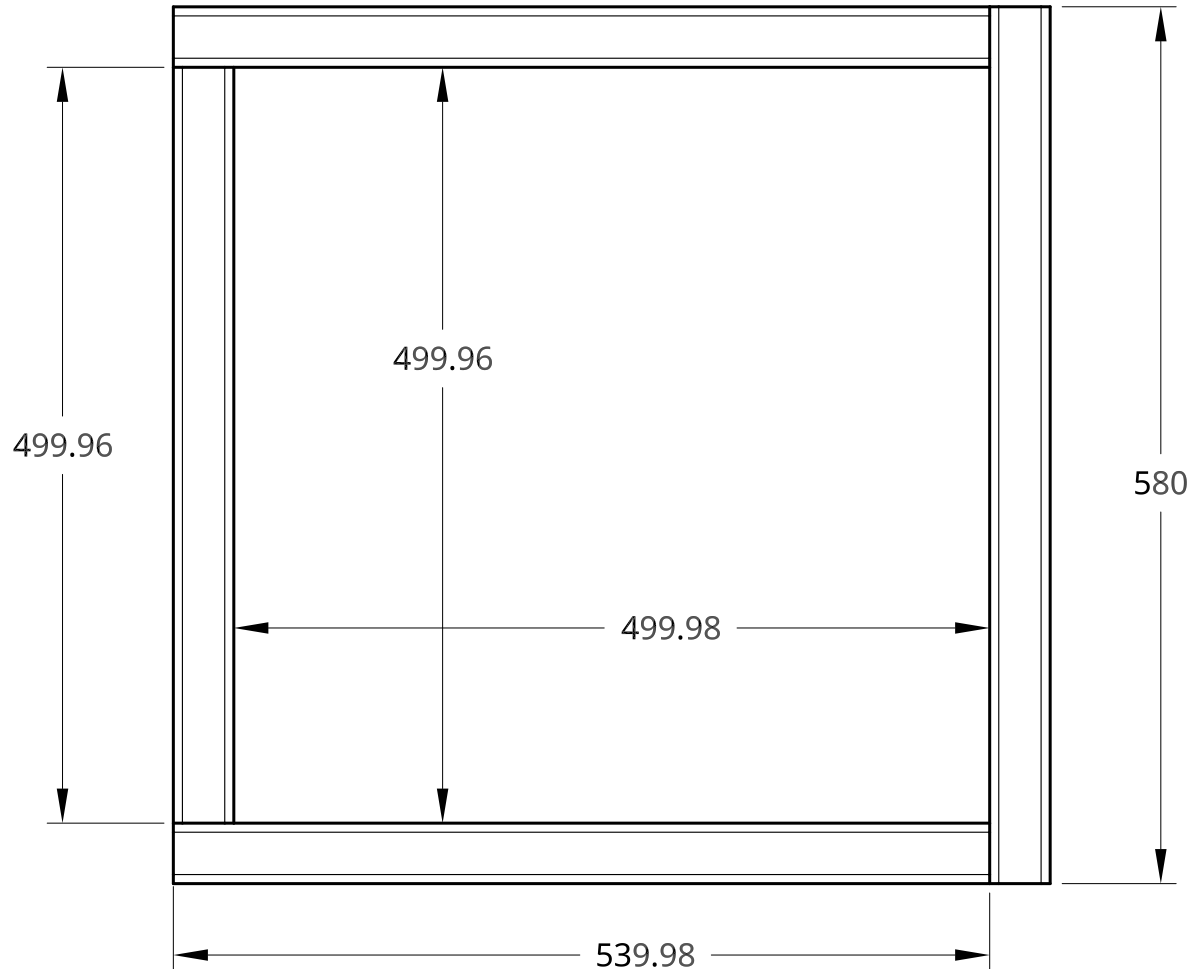
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS  ANGULAR = ± °  SURFACE FINISH   DO NOT SCALE DRAWING  BREAK ALL SHARP EDGES AND REMOVE BURRS  THIRD ANGLE PROJECTION 		NAME	DATE	TITLE Simple Frame with butt joints Grouped mate		
	DRAWN	ROGER FLETT	08/21/2018			
	CHECKED					
	APPROVED	--	--			
				SIZE A		
	MATERIAL	FINISH		SCALE	1:8	REV. -
				WEIGHT		SHEET 1 of 2

2

1

2

1



This is the same frame with butt joints but with each beam mated individually.

Actual beam lengths vary from the designed intent depending on whether they were trimmed or not! This .02mm discrepancy may not seem to be a great problem, but when mating brackets with offset mates to beams that have been grouped, the brackets end up in the wrong place and break the spacial relationships of mated parts. It becomes a nightmare having to add or subtract extra offsets to these mates to make it work. In a complex structure that really isn't practical

2

1