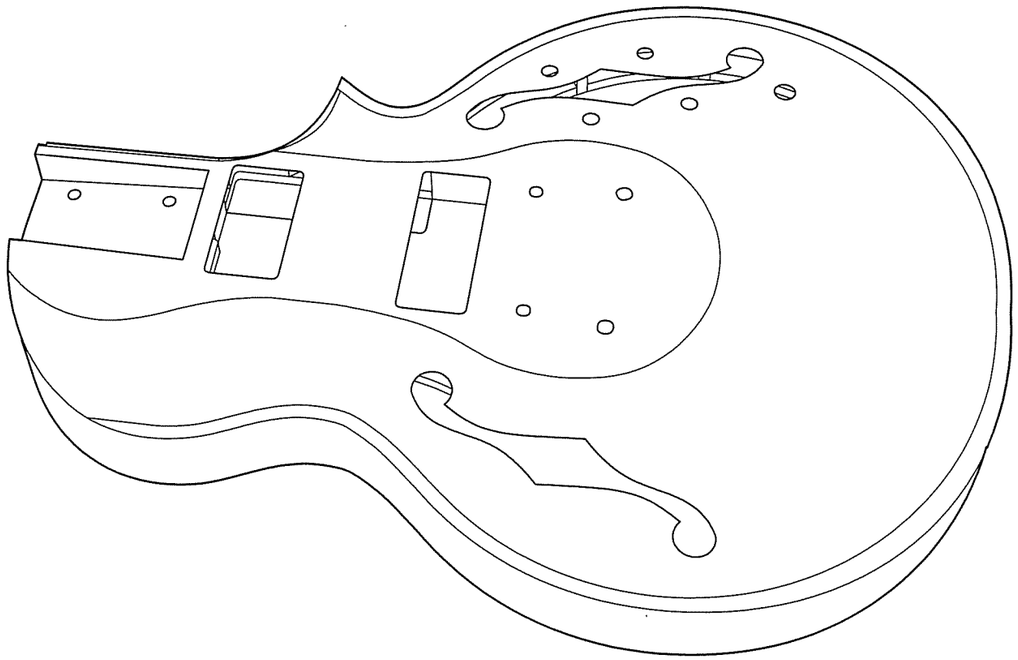
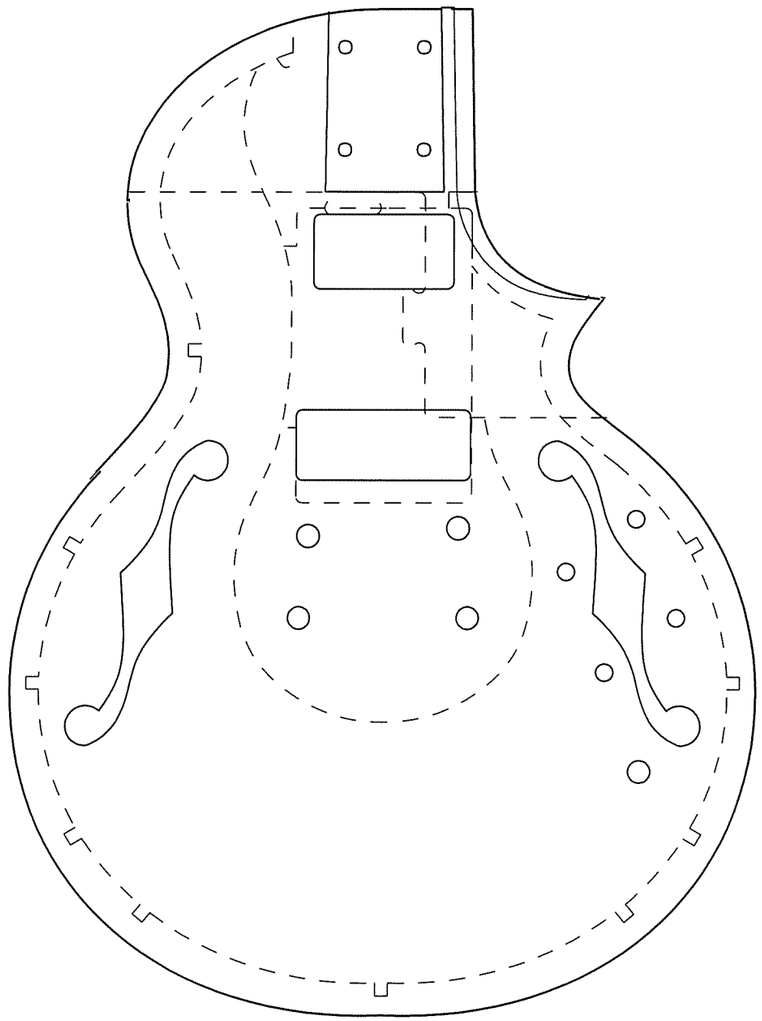
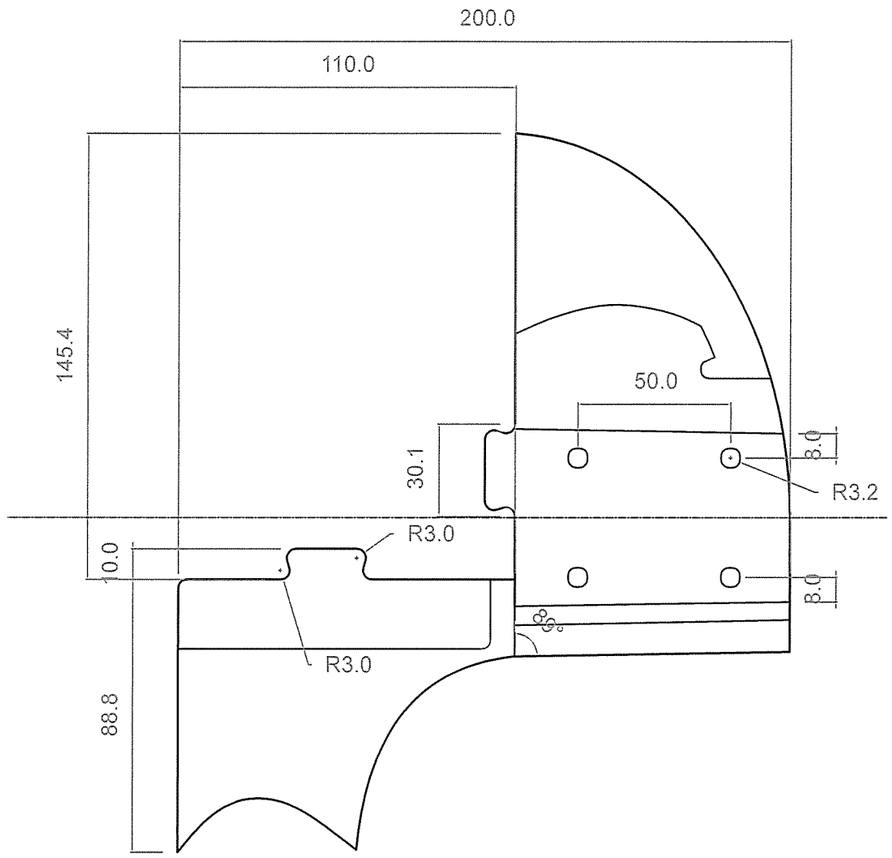
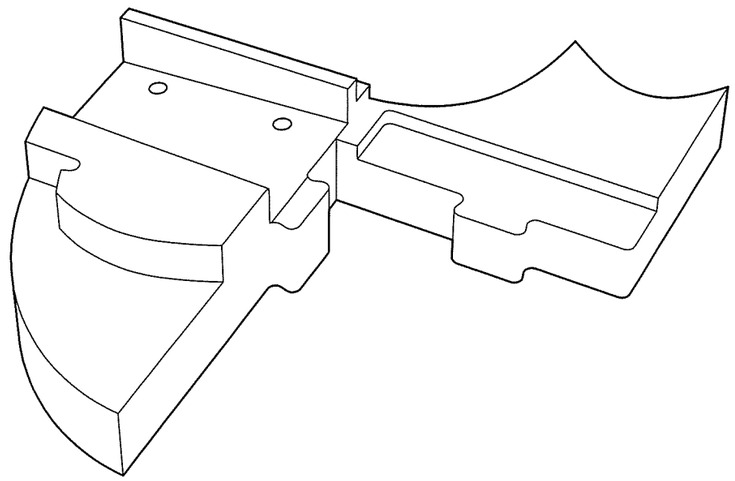
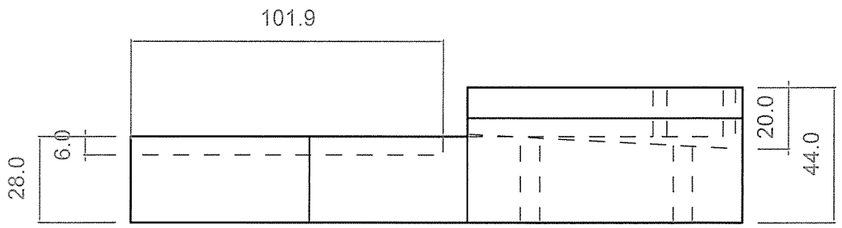


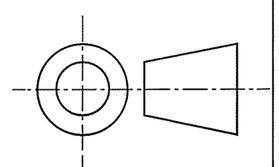


BEN MATTHES
196.454
LUTHERY CONTEMPO CAS
17/10/15

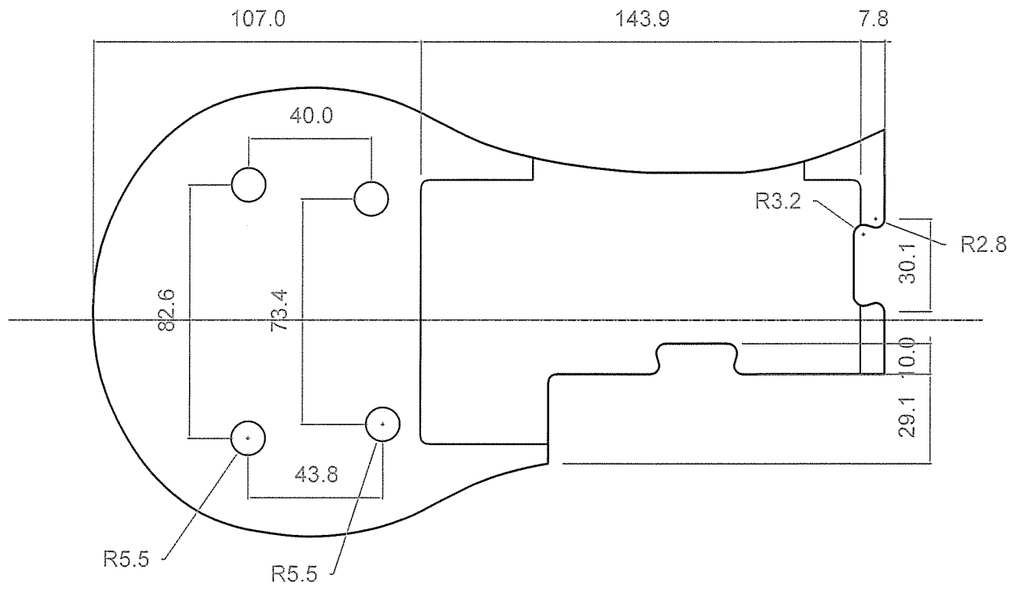


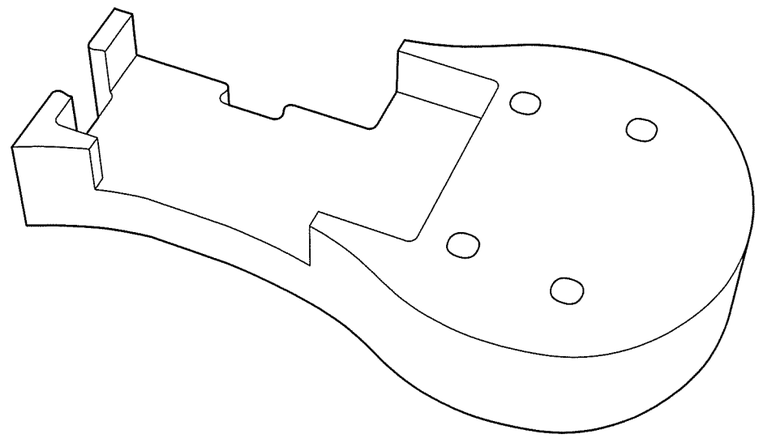


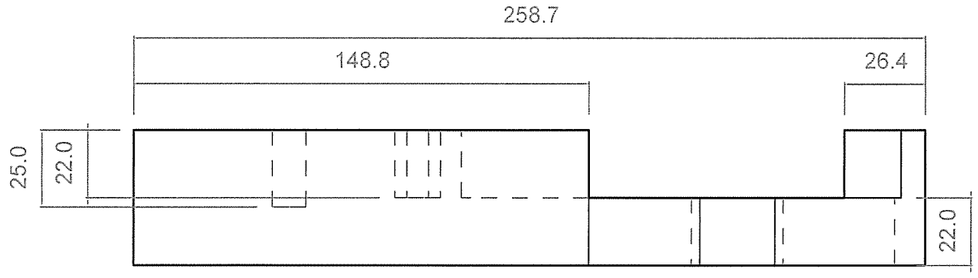


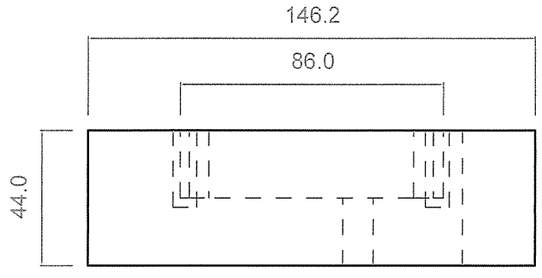


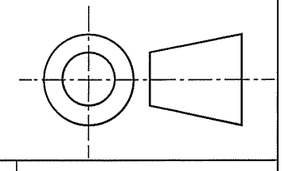
LUTHERY CONTEMPO CAD'S	- Use as reference for attached CAD files	ALL MEASUREMENTS IN MM	BEN MATTHES
	- Neck slot, bolt holes are component specific	DO NOT SCALE DRAWING	JOSH CROSBY MANGELS
WING BLOCK ORTHOGRAPHIC	- Scale 1:2	PART NO: 01	01 of 7
	- Tension bearing piece. Grain should run along center line	17/10/15	



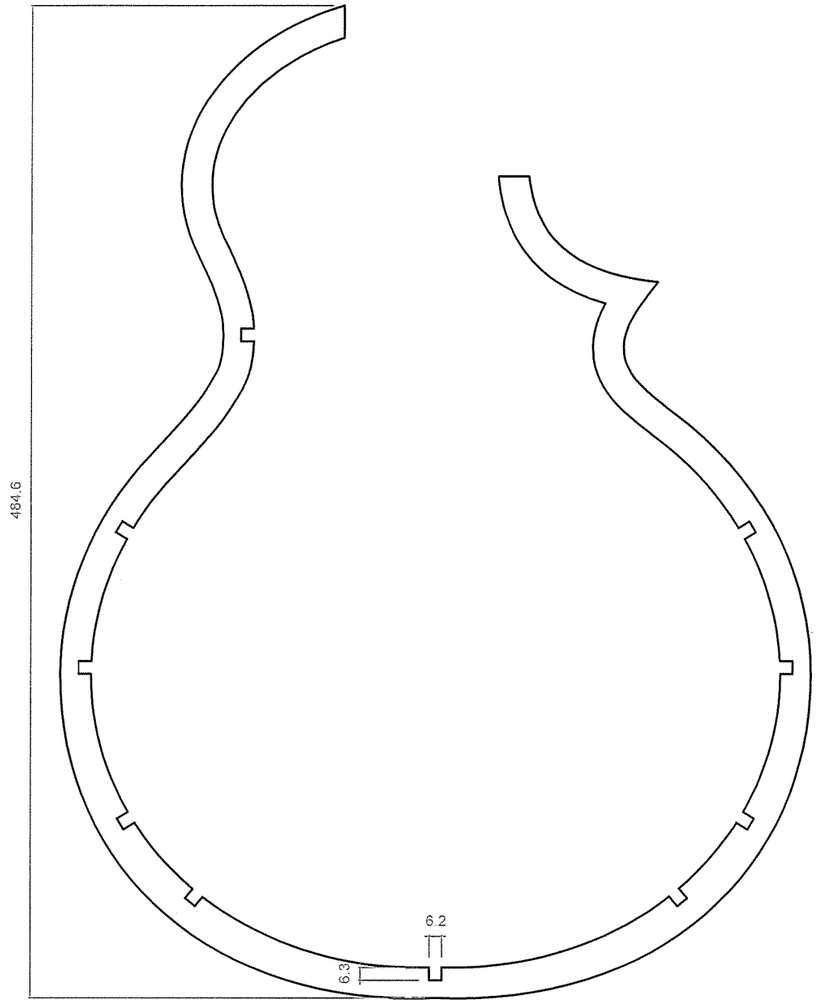


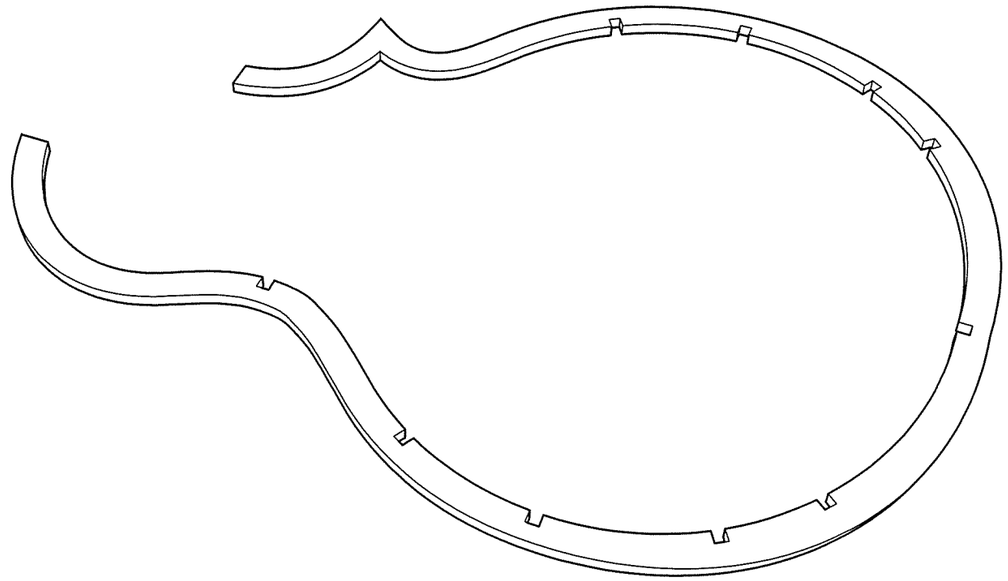


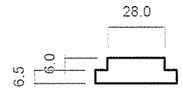


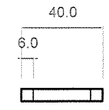


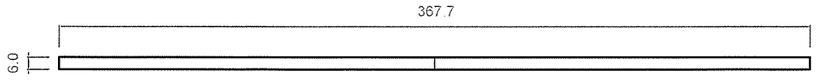
LUTHERY CONTEMPO CAD'S	-Use as reference for CAD files	ALL MEASUREMENTS IN MM	BEN MATTHES
	-Bridge and tailpeice holes are component specific	DO NOT SCALE DRAWING	JOSH CROSBY MANCELS
CENTER BLOCK ORTHOGRAPHIC	-Scale 1:2	PART NO: 02	02 of 7
		17/10/15	

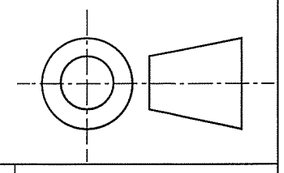




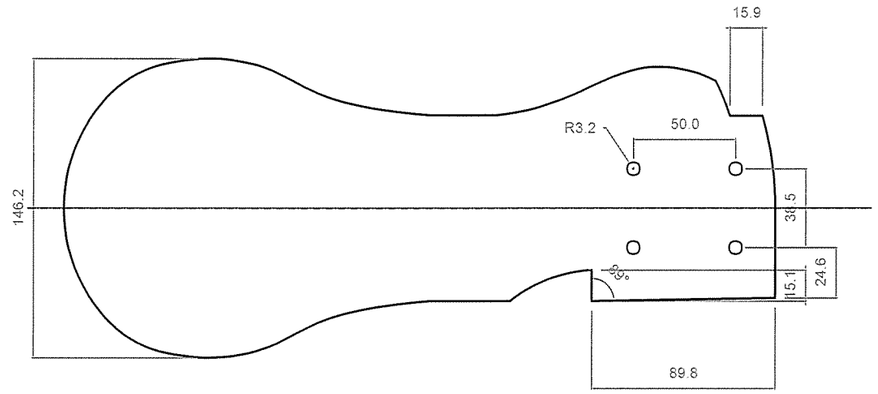


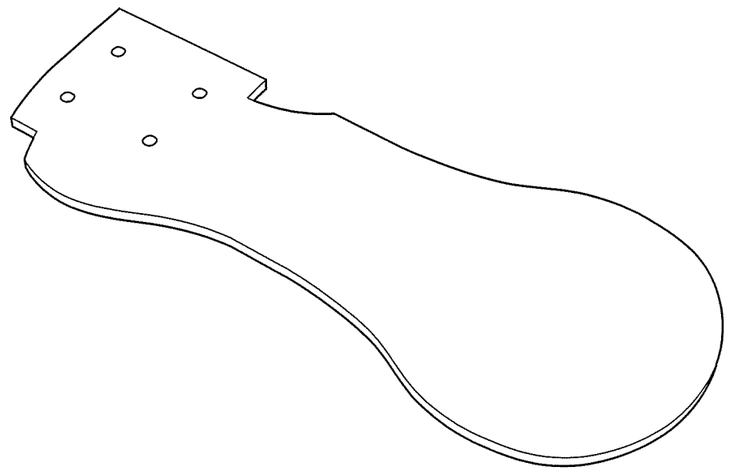


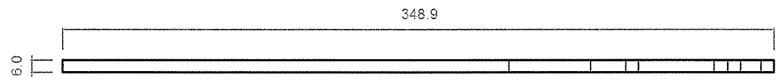


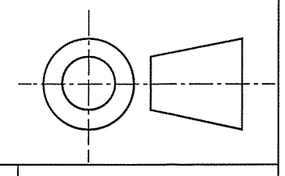


LUTHERY CONTEMPO CAS	- Use as reference for attached CAD files	ALL MEASUREMENTS IN MM	BEN MATTHES
	- Scale 1:3	DO NOT SCALE DRAWING	JOSH CROSBY MANCELS
RAILS ORTHOGRAPHIC	- Tension Bearing peices	PARTS NO: 03/04	03 of 7
FRAME POLES ORTHOGRAPHIC		17/10/15	

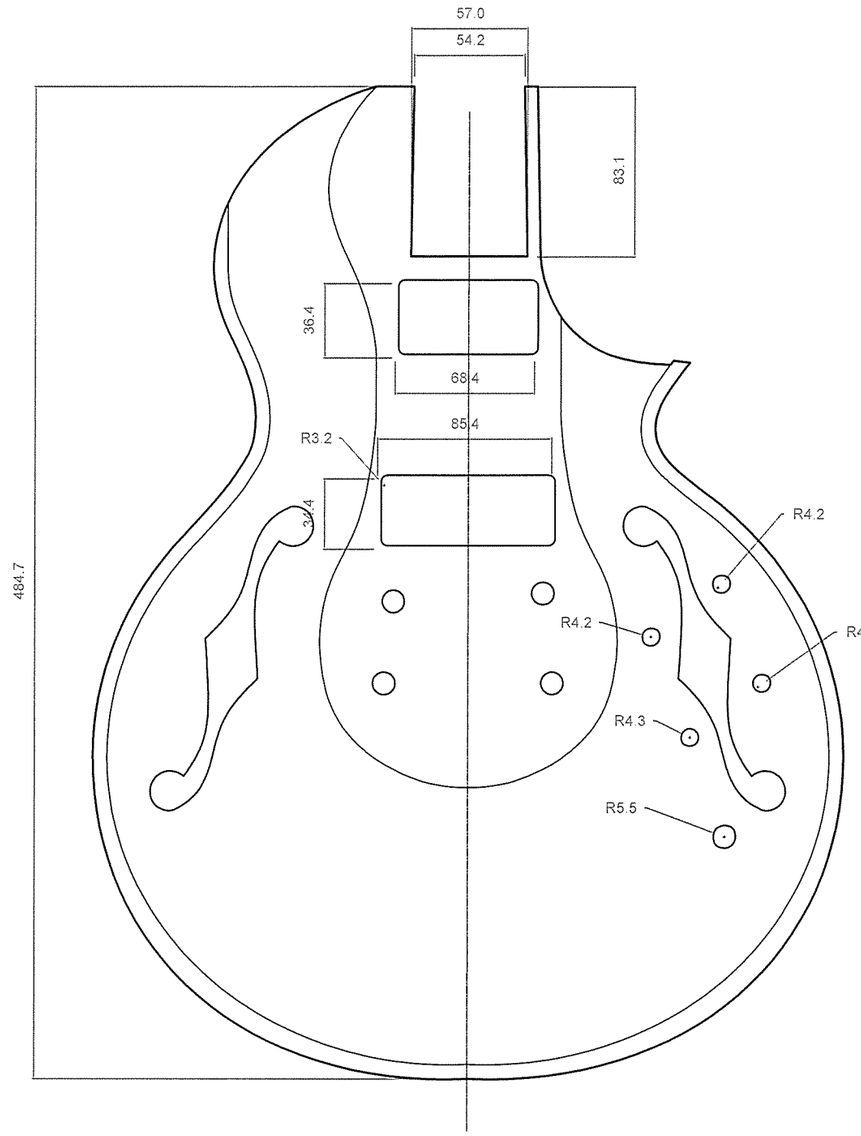


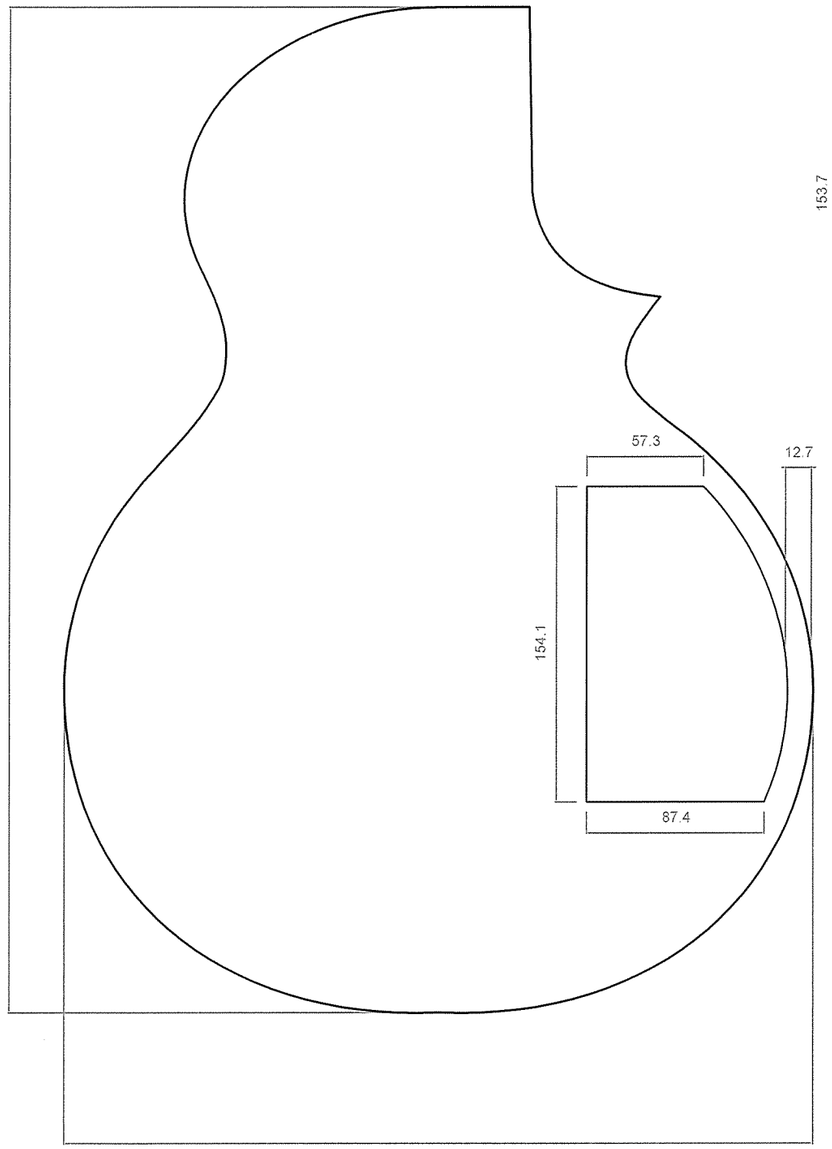


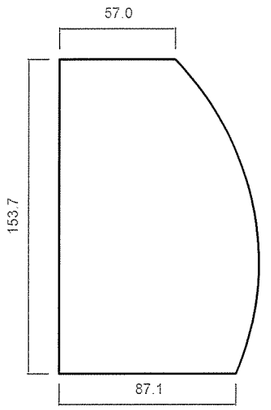


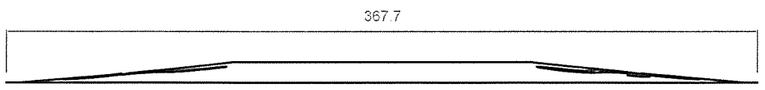


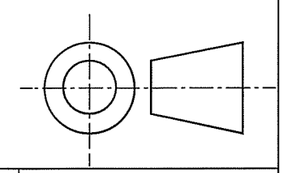
	LUTHERY CONTEMPO CAS	- Use as reference for attached CAD files	ALL MEASUREMENTS IN MM	BEN MATTHES
		- Neck bolt holes are component specific	DO NOT SCALE DRAWING	JOSH CROSBY MANGELS
	BASE BLOCK ORTHOGRAPHIC	- Scale 1:3	PART NO: 05	04 of 7
			17/10/15	



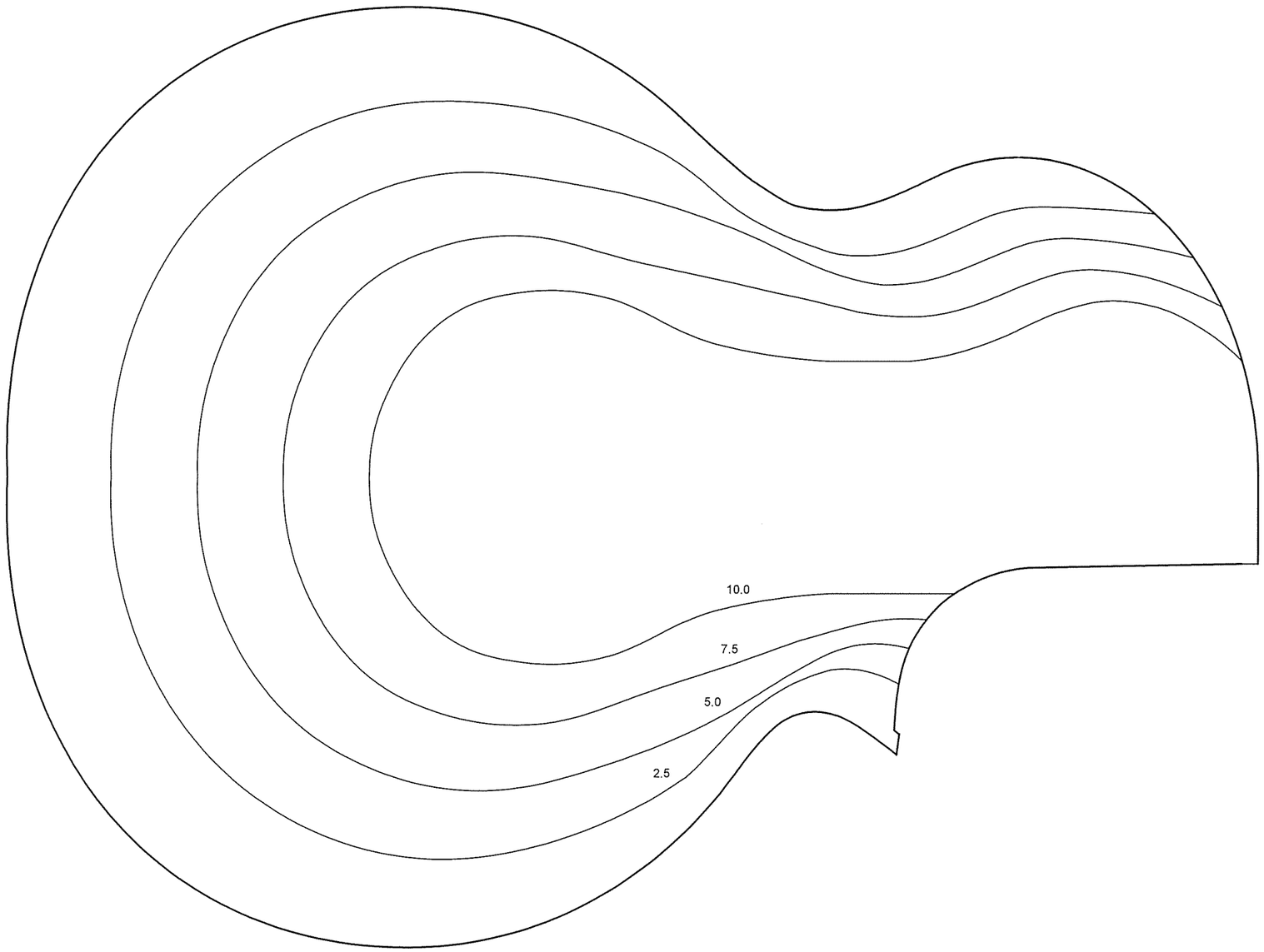




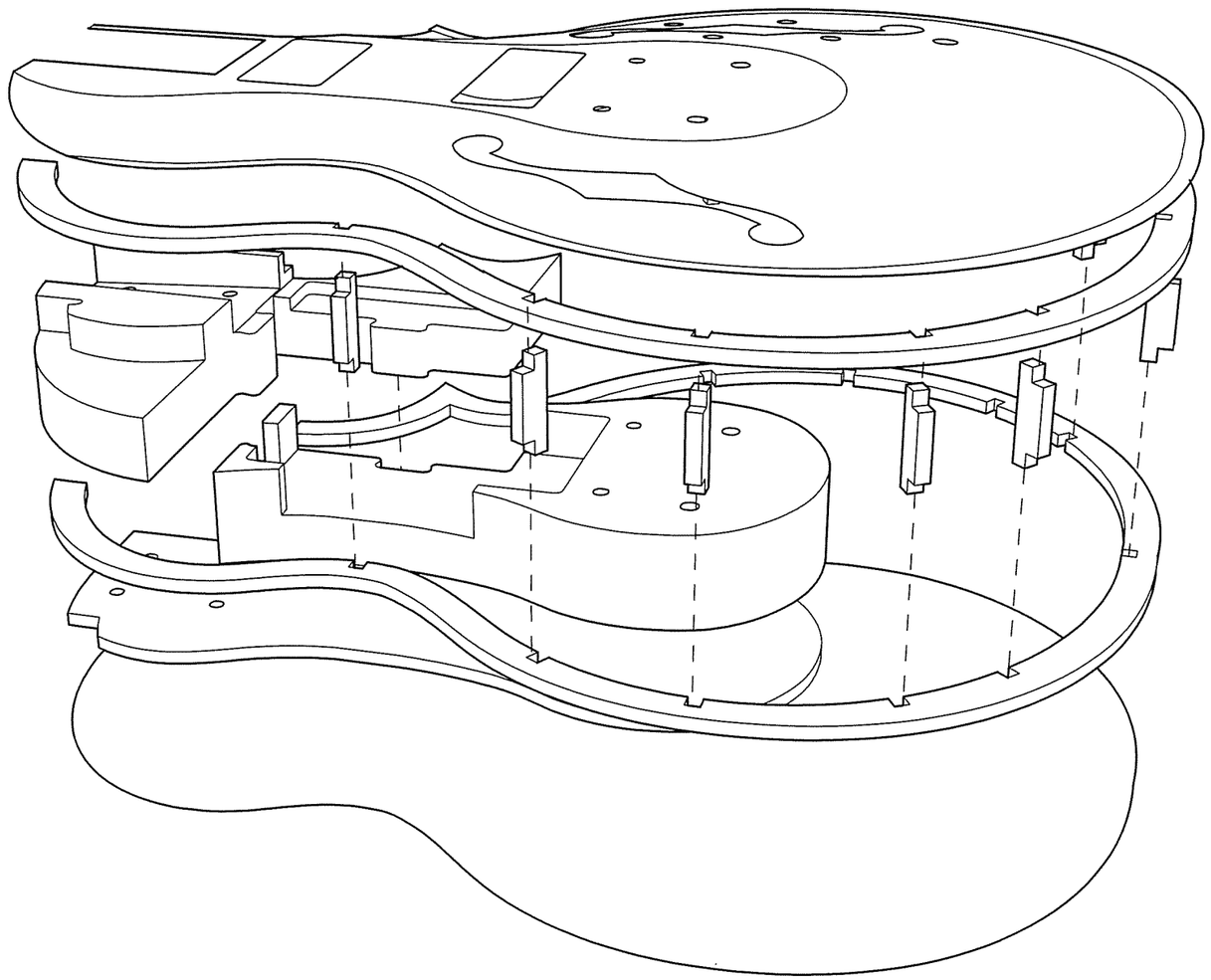




	LUTHERY CONTEMPO CAS	-Use as reference for attached CAD files	ALL MEASUREMENT IN MM	BEN MATTHES
	TOP PLAN	-Bridge and Stopeice holes are component specific.	DO NOT SCALE DRAWING.	JOSH CROSBY MANGES
	BACK PLAN	-Scale 1:3	PARTS NO: 06,07,08	05 of 7
	COVER PLAN		17/10/15	



	LUTHERY CONTEMPO CAD'S	-Use as reference for attached CAD files	ALL MEASUREMENTS IN MM	BEN MATTHES
		-Scale 1:2	DO NOT SCALE DRAWING	JOSH CROSBY MINGELS
	TOP CONTOUR MAP			06 of 7
			17/10/15	



	LUTHERY CONTEMPO CAS	-Use as reference for attached CAD files		BEN MATHES
				JOSH CROSBY MANGELS
	GENERAL ASSEMBLY EXPLODED			07 of 7
			17/10/15	

PART NO	TITLE	MATERIAL	MANUFACTURE METHOD	TIME	QUANTITY
01	WING BLOCK	-Tone bearing hard wood -Mahoghany, Maple, Ash, Kauri could all be used	-CNC routed -Vector cuts should be used where possible to save machine costs	2-3 hours prep time 40mins cutting time	x 01
02	CENTER BLOCK	-Tone bearing hard wood - use samewood as wing block	-CNC routed -All vector cuts should be used	2-3 hours prep time 40 mins cutting time	x01
03	RAILS	- Laser cuttable wood -Plywood, MDF could be used	-Laser cut	30 mins cutting time	x 02
04	FRAME POLES	-Laser cutable wood -same material as rails	-Laser cut	10 mins cutting time	x 10
05	BASE BLOCK	-Tone bearing hardwood -same wood as wing blocks, center block	- CNC routed - All vector cuts should be used	2-3 hours prep time 10mins cutting time	x 01
06	TOP	-Tone bearing laminate composite -strong, light material will sound best - Slightly flexible will fit to rails easier	-Laser cut -Use press to bend contour into top	10 mins cutting time 5-6 hours press time	x 01
07	BACK	-Tone bearing laminate composite -strong, light will sound best -tension bearing	-Laser cut - Laminate flat	10 min cutting time 5-6 hours press time	x 01
08	COVER	-Same as Back.	-Laser cut	5 mins cutting time	x 01