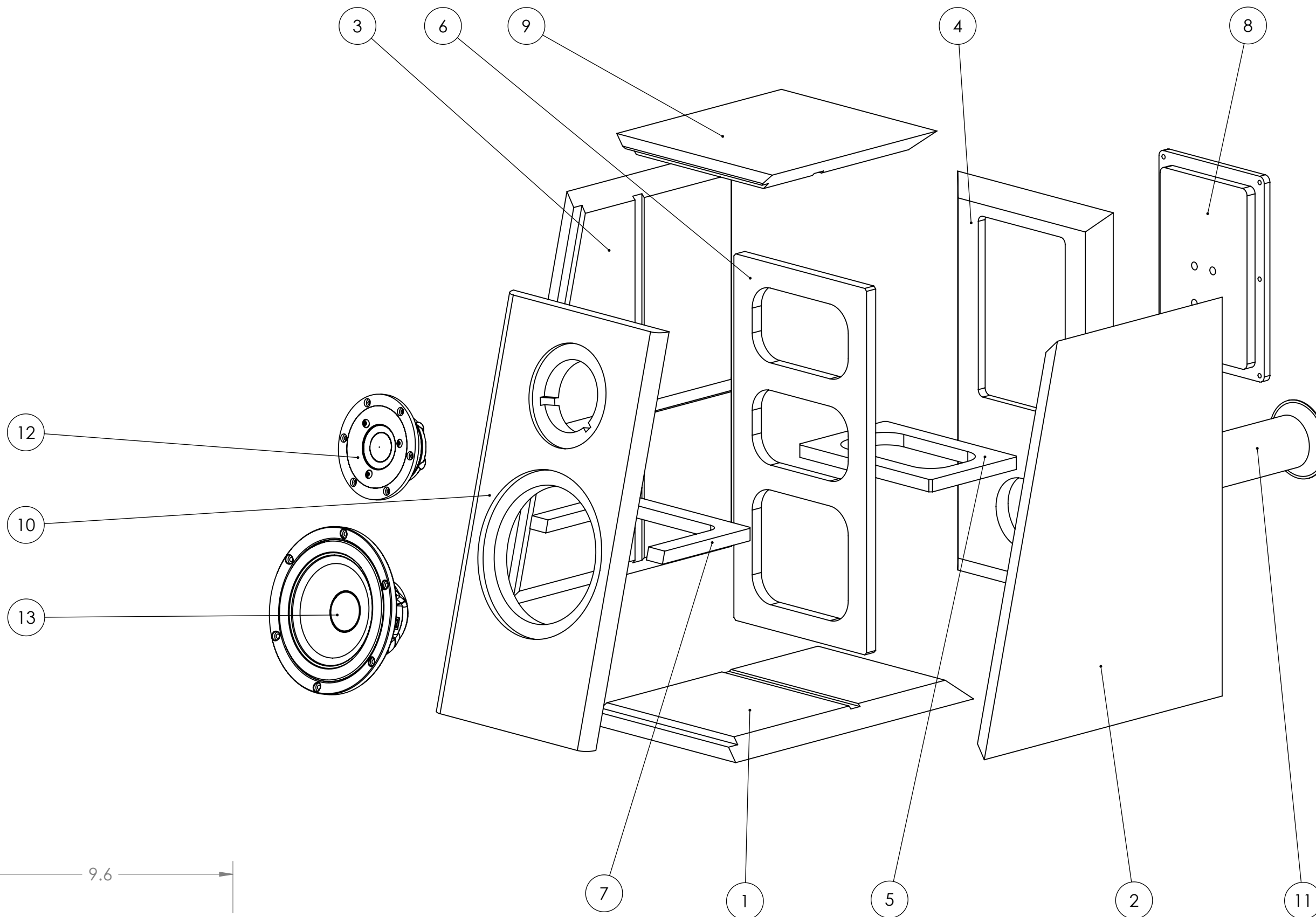
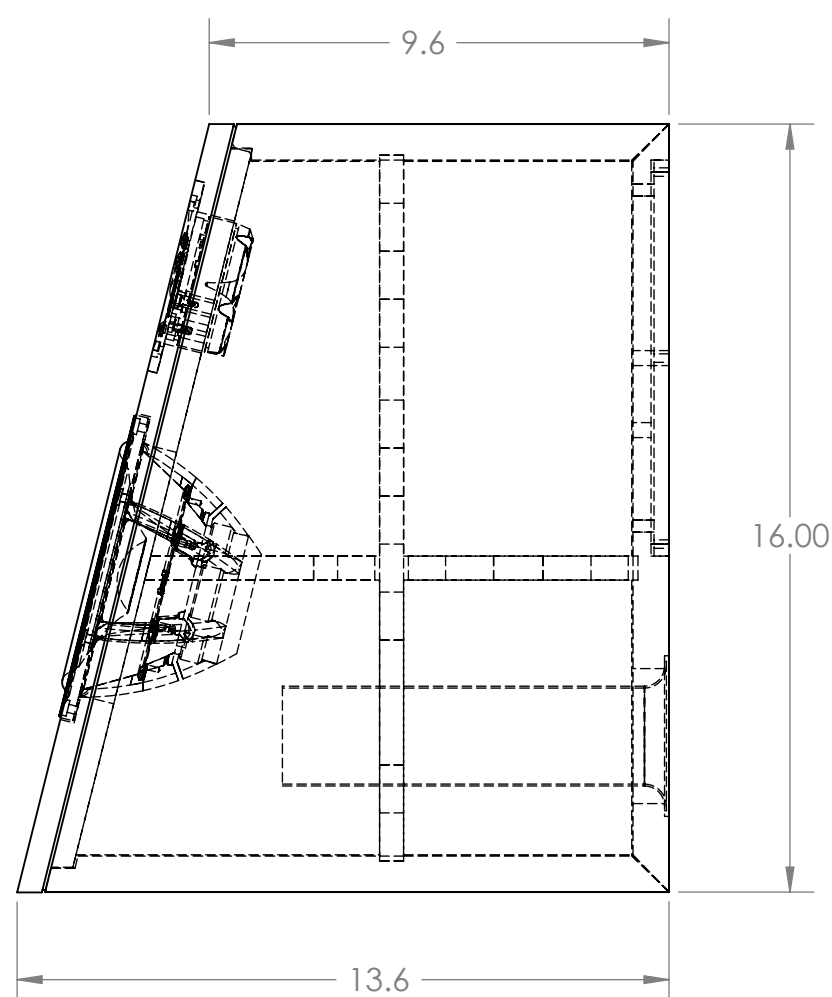
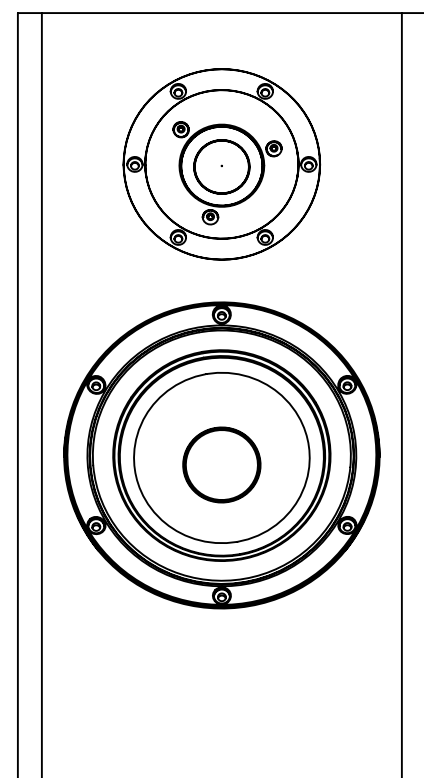
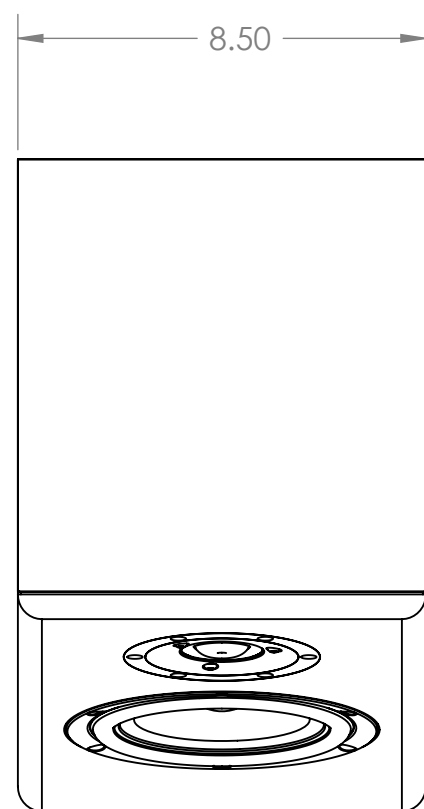


Material:



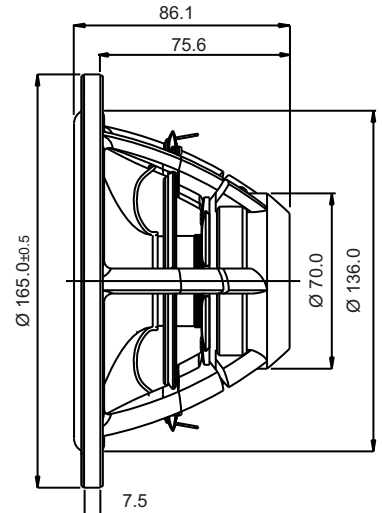
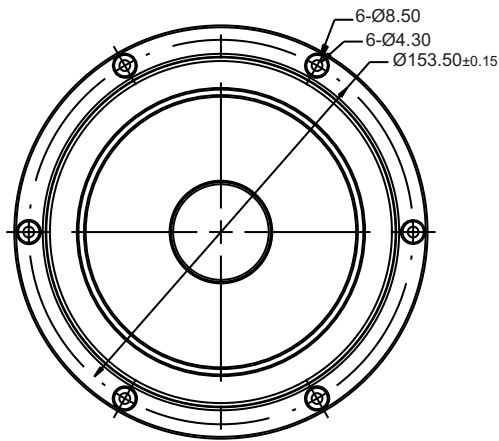
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Bottom		1
2	side R		1
3	side L		1
4	Production Back 2_625		1
5	Horiz brace back		1
6	Vertical Brace		1
7	Horiz brace front 2		1
8	Terminal plate		1
9	Top		1
10	front		1
11	port tube		1
12	Satori-tweeter		1
13	Satory MW165		1



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN	VB
TOLERANCES:		CHECKED	
FRACTIONAL ±		ENG APPR.	VB
ANGULAR: MACH ± BEND ±		MFG APPR.	
TWO PLACE DECIMAL ±		Q.A.	
THREE PLACE DECIMAL ±		COMMENTS:	
NEXT ASSY	USED ON	FINISH	
APPLICATION	DO NOT SCALE DRAWING		

Kairos		
TITLE: Kairos Assembly		
SIZE	DWG. NO.	REV
C	Kairos	1
SCALE: 1:4	WEIGHT:	SHEET 1 OF 1



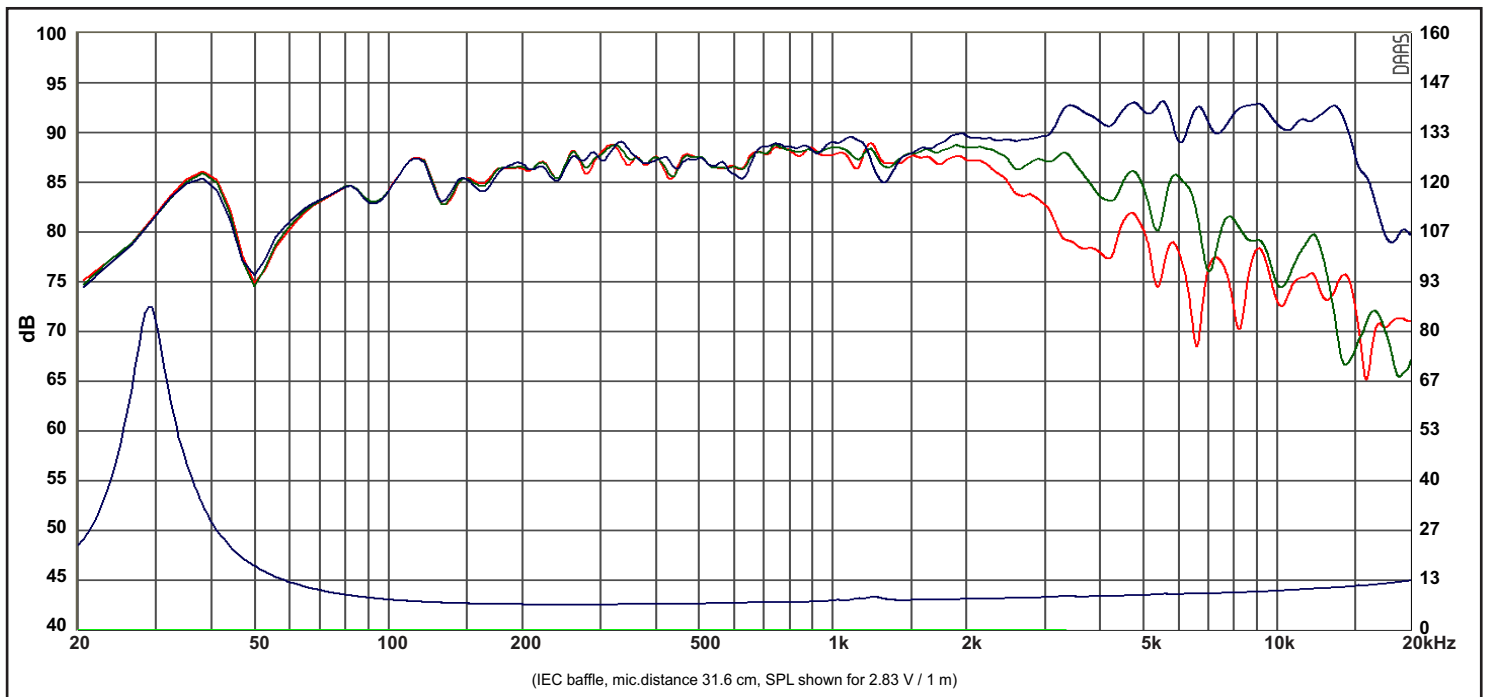
FEATURES

- Vented aerodynamic cast aluminium chassis for optimum strength and low compression
- Proprietary cone material with EGYPTIAN PAPYRUS™ fibres made in-house
- Soft low damping rubber surround for optimum transient response
- Advanced BIMAX spider for improved linearity
- Powerful optimized low distortion neodymium motor system
- Non-conducting fibre glass voice coil former for minimum damping
- Extended copper sleeve on pole piece for low inductance and reduced distortion
- CCAW voice coil for reduced moving mass
- Long life silver lead wires attached 180° apart for improved stability
- Vented pole piece for reduced compression
- High piston to chassis diameter ratio
- Gasket and bolt hole protrusions for reduced coupling to speaker cabinet

Specs :

Nominal Impedance	8 Ω	Free air resonance, Fs	29 Hz
DC resistance, Re	6.2 Ω	Sensitivity (2.83 V / 1 m)	87.5 dB
Voice coil inductance, Le	0.20 mH	Mechanical Q-factor, Qms	4.5
Effective piston area, Sd	119 cm ²	Electrical Q-factor, Qes	0.35
Voice coil diameter	36 mm	Total Q-factor, Qts	0.33
Voice coil height	17 mm	Moving mass incl.air, Mms	12.4 g
Air gap height	5 mm	Force factor, Bl	6.3 Tm
Linear coil travel (p-p)	12 mm	Equivalent volume, Vas	48 liters
Magnetic flux density	1.17 T	Compliance, Cms	2.4 mm/N
Magnet weight (NEO)	0.13 kg	Mechanical loss, Rms	0.5 kg/s
Net weight	1.01 kg	Rated power handling*	60 W

* IEC 268-5, T/S parameters measured on drive units that are broken in.

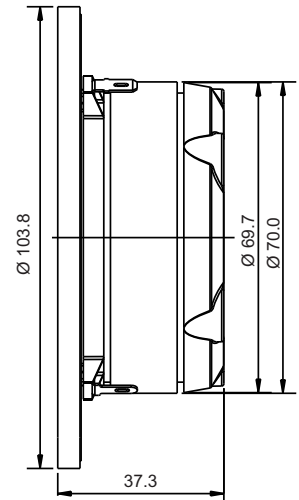
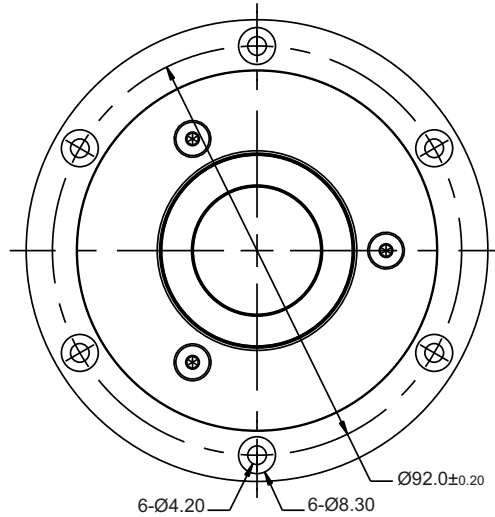


Response Curve :

— (Blue) : on axis

— (Green) : 30° off-axis

— (Red) : 60° off-axis



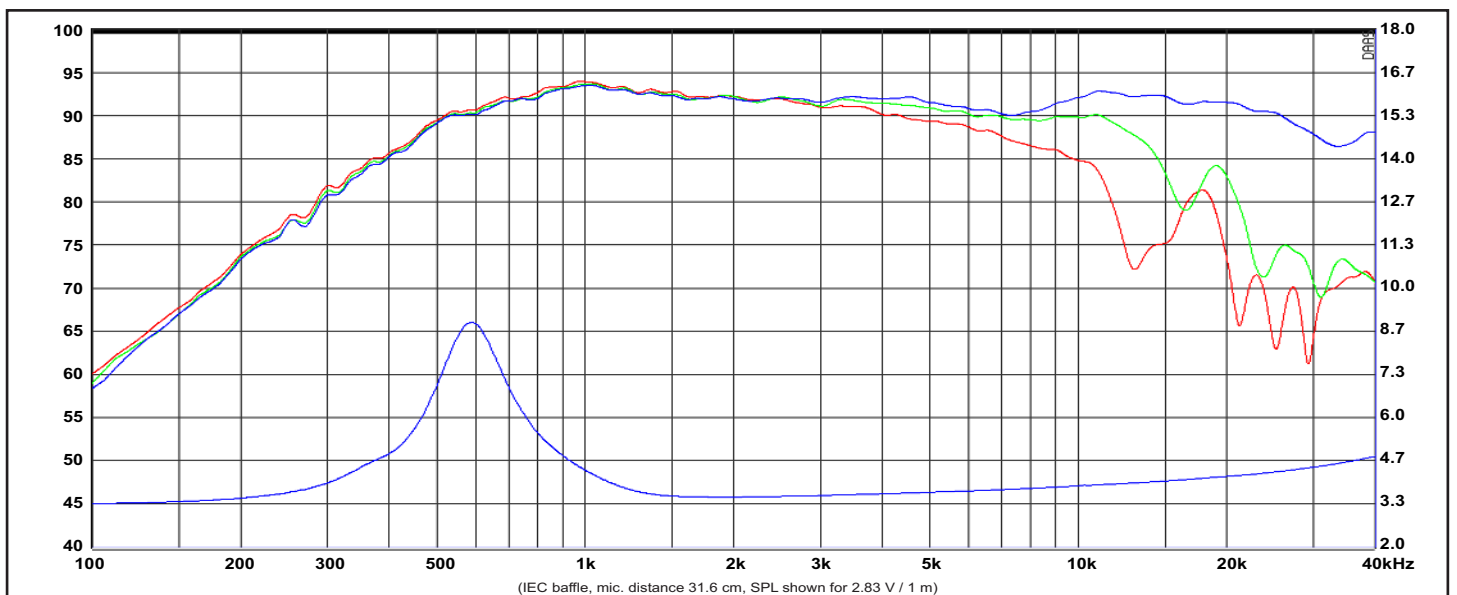
FEATURES

- Non-resonant diaphragm design for minimum high frequency break-up
- Two part aluminium faceplate with integrated mechanical decoupling
- Dual balanced compression chambers for improved dynamics
- Dual copper caps for absolute minimum voice coil inductance and minimum phase shift
- Saturation controlled motor system with T-shaped pole piece for lower distortion
- Non-reflective cast aluminium chamber with optimized damping for improved dynamics
- Flow optimized vented pole piece for optimum coupling to rear chamber
- CCAW voice coil for low moving mass
- Long life silver lead wires
- Low resonance frequency for extended range

Specs :

Nominal Impedance	4 Ω	Free air resonance, Fs	600 Hz
DC resistance, Re	3.0 Ω	Sensitivity (2.83 V / 1 m)	92 dB
Voice coil inductance, Le	0.02 mH	Mechanical Q-factor, Qms	2.0
Effective piston area, Sd	9.6 cm ²	Electrical Q-factor, Qes	1.22
Voice coil diameter	29.0 mm	Total Q-factor, Qts	0.76
Voice coil height	2.0 mm	Force factor, Bl	2.0 Tm
Air gap height	2.5 mm	Rated power handling*	80 W
Linear coil travel (p-p)	0.5 mm	Magnetic flux density	1.0 T
Moving mass incl. air, Mms	0.45 g	Magnet weight	0.22 kg
		Net weight	0.53 kg

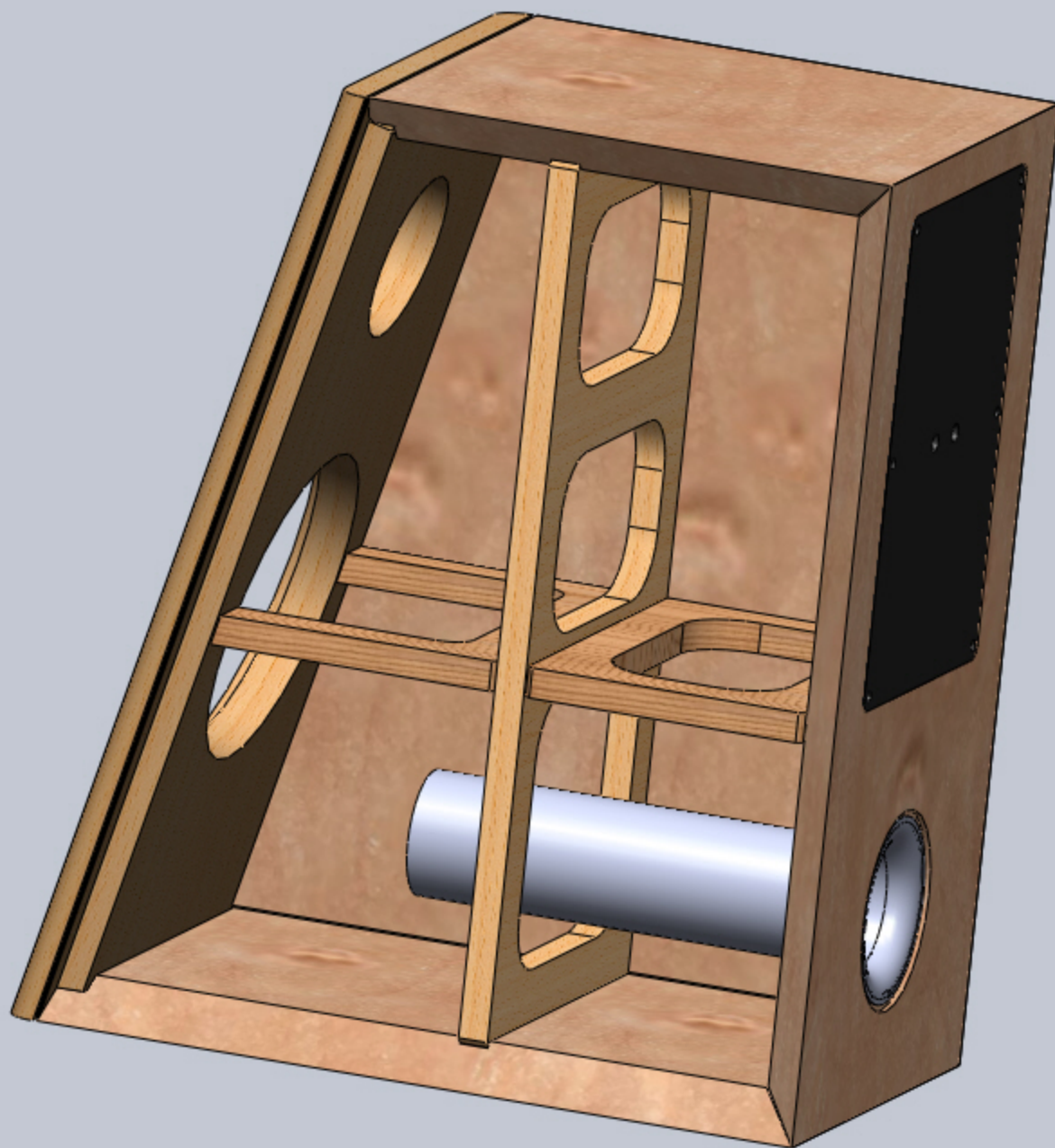
* IEC 268-5, high-pass Butterworth, 2600 Hz, 12 dB/oct.



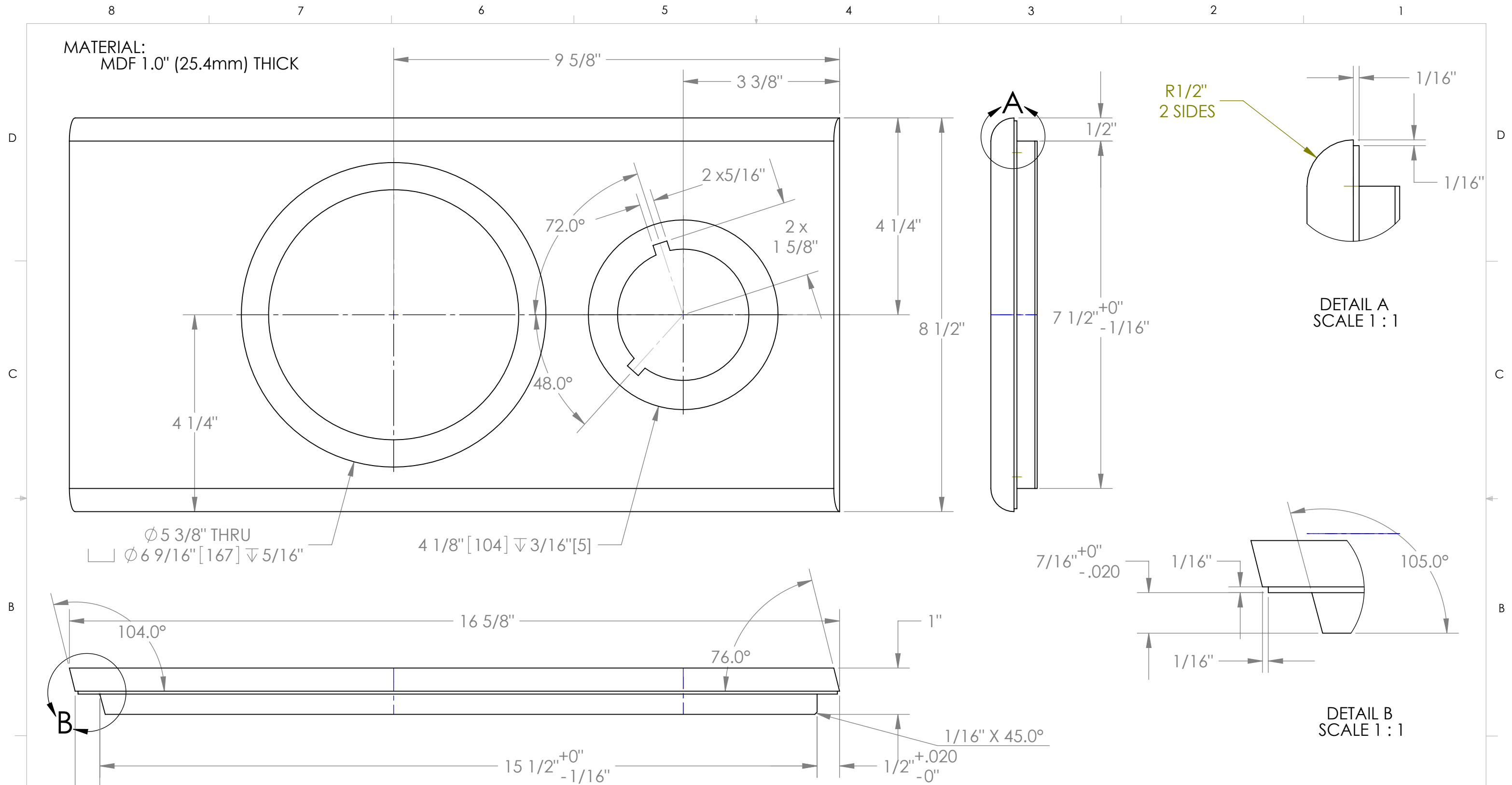
Response Curve :

— (Blue) : on axis — (Green) : 15 off-axis — (Red) : 30 off-axis





MATERIAL:
MDF 1.0" (25.4mm) THICK



R1/2"
2 SIDES

DETAIL A
SCALE 1:1

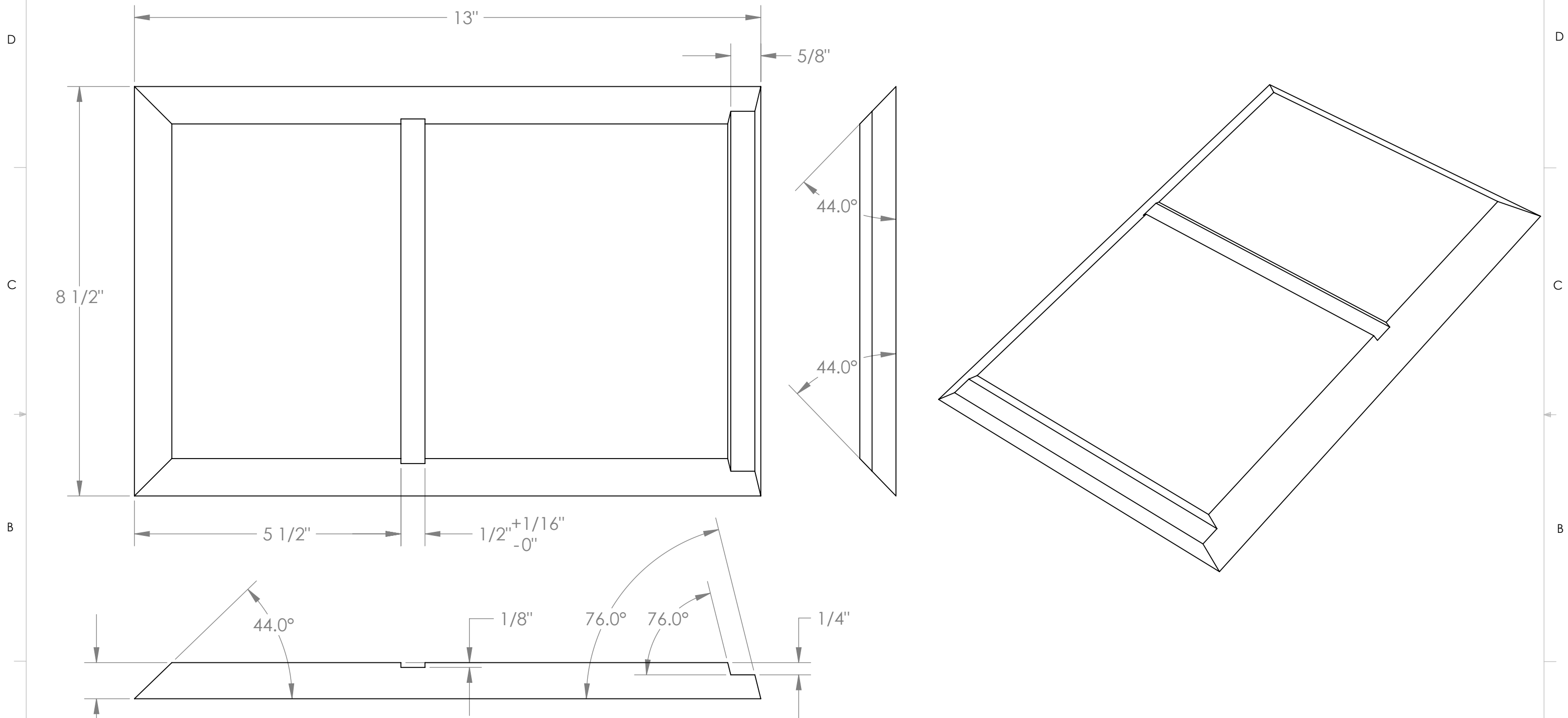
DETAIL B
SCALE 1:1



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		UNLESS OTHERWISE SPECIFIED:				NAME		DATE	
		DIMENSIONS ARE IN INCHES		DRAWN		VB			
		TOLERANCES:		CHECKED					
		FRACTIONAL ±		ENG APPR.					
		ANGULAR: MACH ± BEND ±		MFG APPR.					
		TWO PLACE DECIMAL ±		Q.A.					
		THREE PLACE DECIMAL ±		COMMENTS:					
		INTERPRET GEOMETRIC TOLERANCING PER:							
		MATERIAL							
		FINISH							
NEXT ASSY		USED ON							
APPLICATION		DO NOT SCALE DRAWING							
				KAIROS					
				TITLE:					
				FRONT BAFFLE					
SIZE		DWG. NO.		REV					
B		front							
SCALE: 1:2		WEIGHT:		SHEET 1 OF 1					

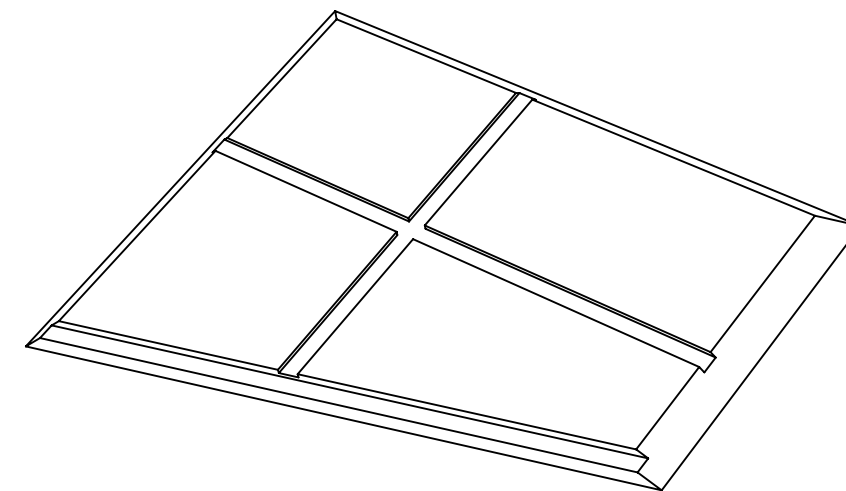
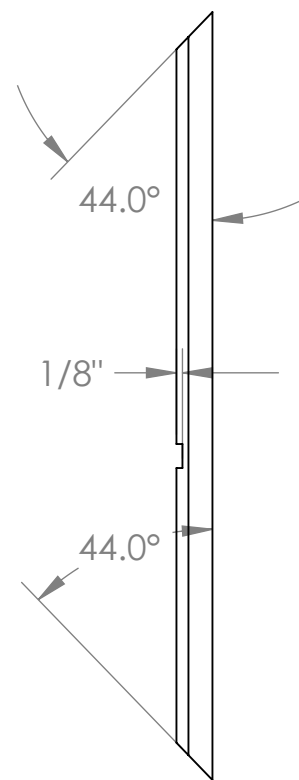
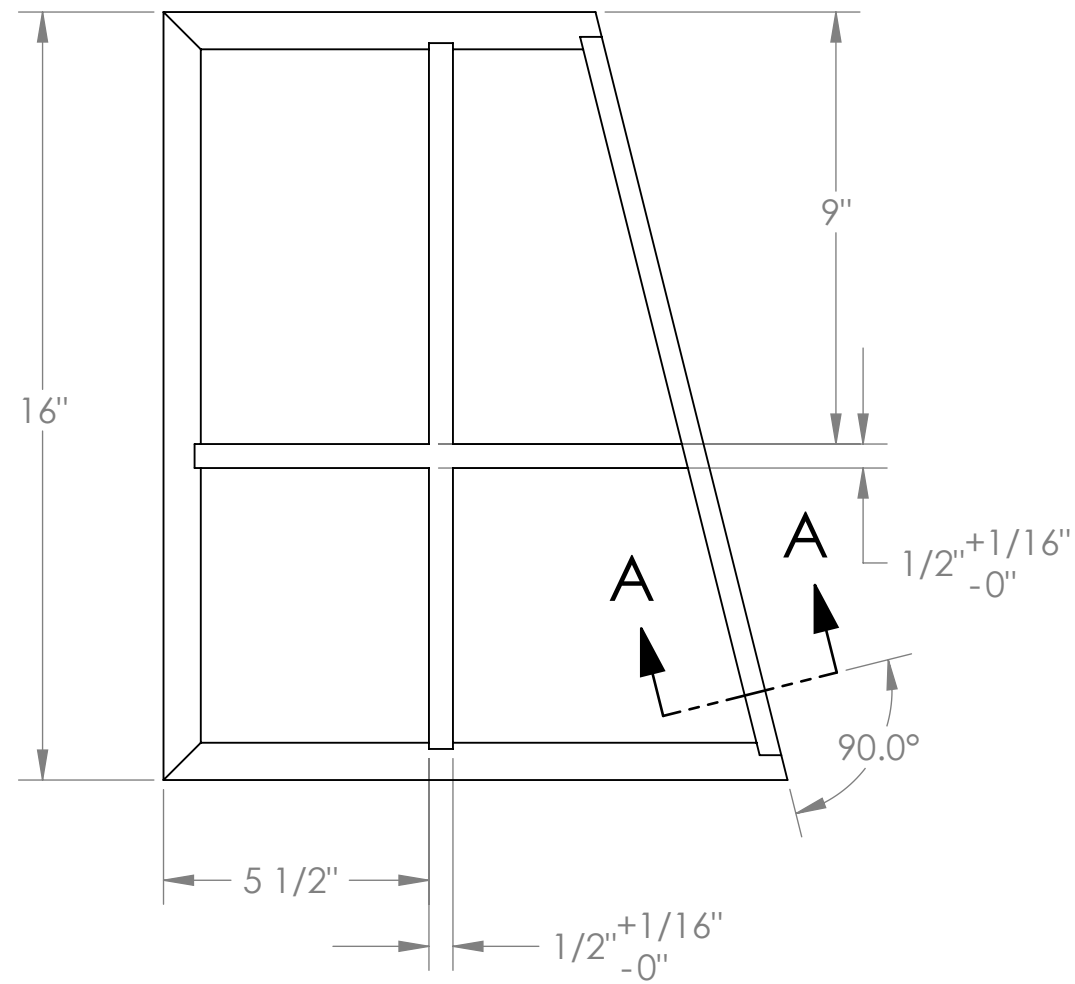
MATERIAL:
MDF 3/4" (19mm) THICK



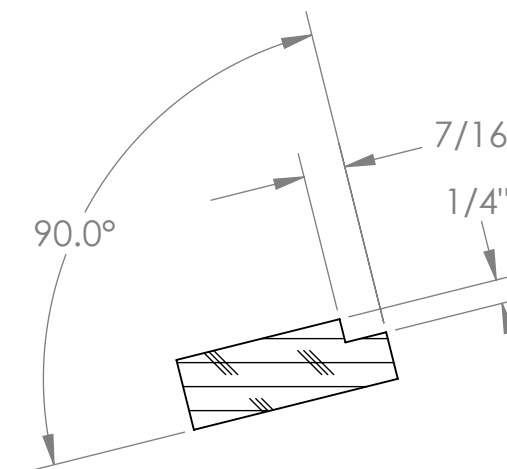
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	KAIROS	
		DIMENSIONS ARE IN INCHES		DRAWN	VB		
		TOLERANCES:		CHECKED			TITLE:
		FRACTIONAL ±		ENG APPR.			BOTTOM PANEL
		ANGULAR: MACH ± BEND ±		MFG APPR.			SIZE
		TWO PLACE DECIMAL ±		Q.A.			B
		THREE PLACE DECIMAL ±		COMMENTS:			DWG. NO.
		INTERPRET GEOMETRIC TOLERANCING PER:					Bottom
		MATERIAL					REV
		FINISH					
NEXT ASSY	USED ON MA-5	DO NOT SCALE DRAWING					SCALE: 1:2
APPLICATION							WEIGHT:
							SHEET 1 OF 1

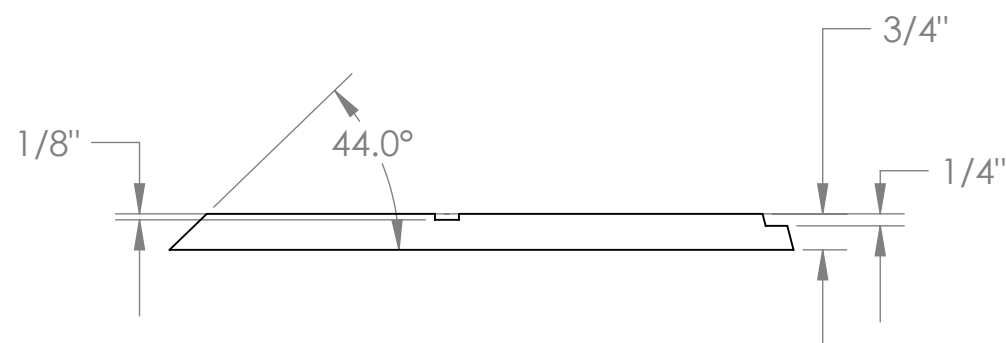
MATERIAL:
MDF 3/4" (19mm) THICK



SCALE 4:1



SECTION A-A
SCALE 1:2



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	KAIROS	
		DIMENSIONS ARE IN INCHES		DRAWN	VB		
		TOLERANCES:		CHECKED		SIZE DWG. NO. REV B side R	
		FRACTIONAL ±		ENG APPR.			
		ANGULAR: MACH ± BEND ±		MFG APPR.			
		TWO PLACE DECIMAL ±		Q.A.			
		THREE PLACE DECIMAL ±		COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:					
		MATERIAL					
		FINISH					
NEXT ASSY	USED ON	DO NOT SCALE DRAWING					

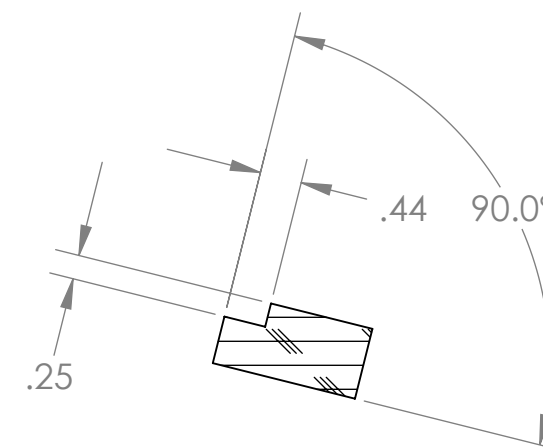
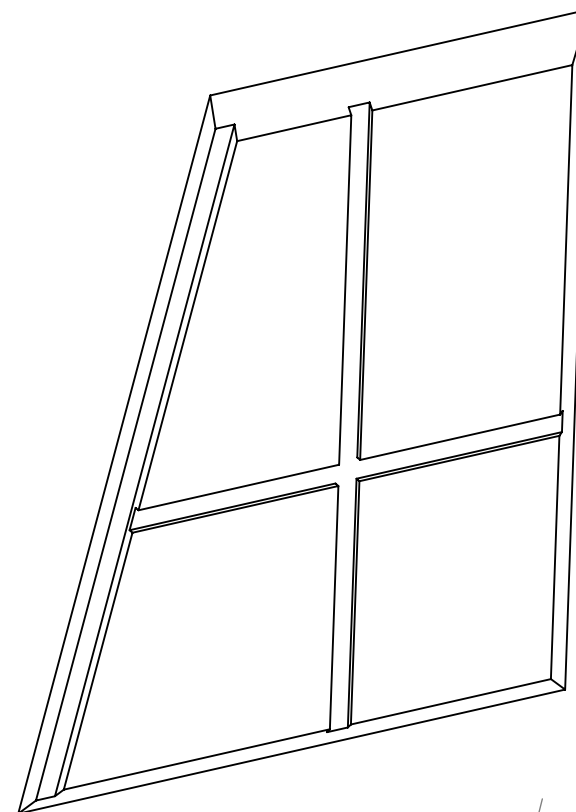
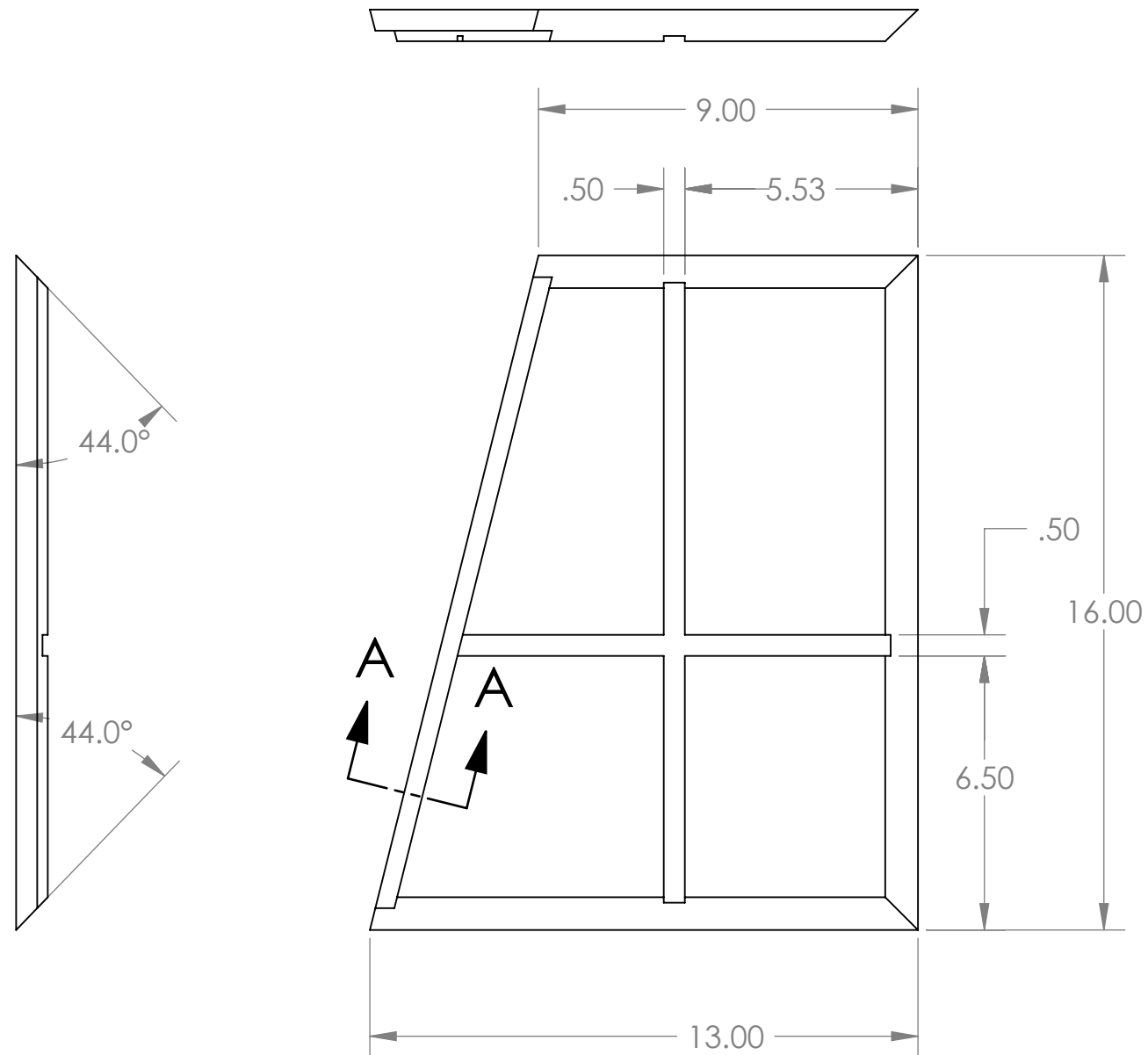
MATERIAL:
MDF 3/4" (19mm) THICK

D

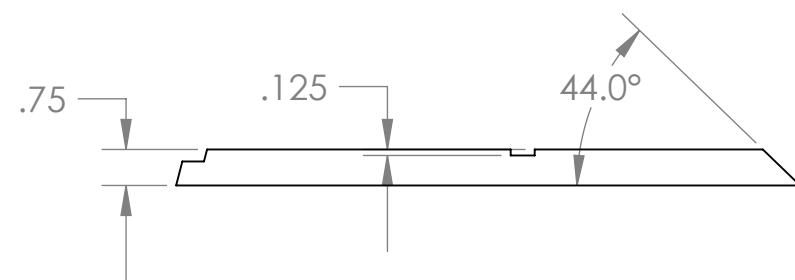
C

B

A



SECTION A-A
SCALE 1 : 2



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Meniscus Audio Group, Inc

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Kairos		
		DIMENSIONS ARE IN INCHES		DRAWN	VB			
		TOLERANCES:		CHECKED		TITLE:		
		FRACTIONAL ±		ENG APPR.		LEFT SIDE PANEL		
		ANGULAR: MACH ± BEND ±		MFG APPR.		SIZE	DWG. NO.	REV
		TWO PLACE DECIMAL ±		Q.A.		B	side L	
		THREE PLACE DECIMAL ±		COMMENTS:		SCALE: 1:4	WEIGHT:	SHEET 1 OF 1
NEXT ASSY	USED ON	INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL						
		FINISH						
APPLICATION		DO NOT SCALE DRAWING						

8

7

6

5

4

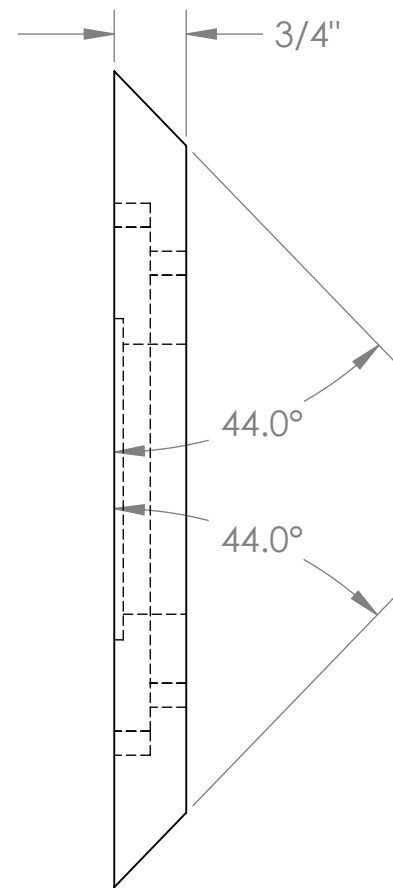
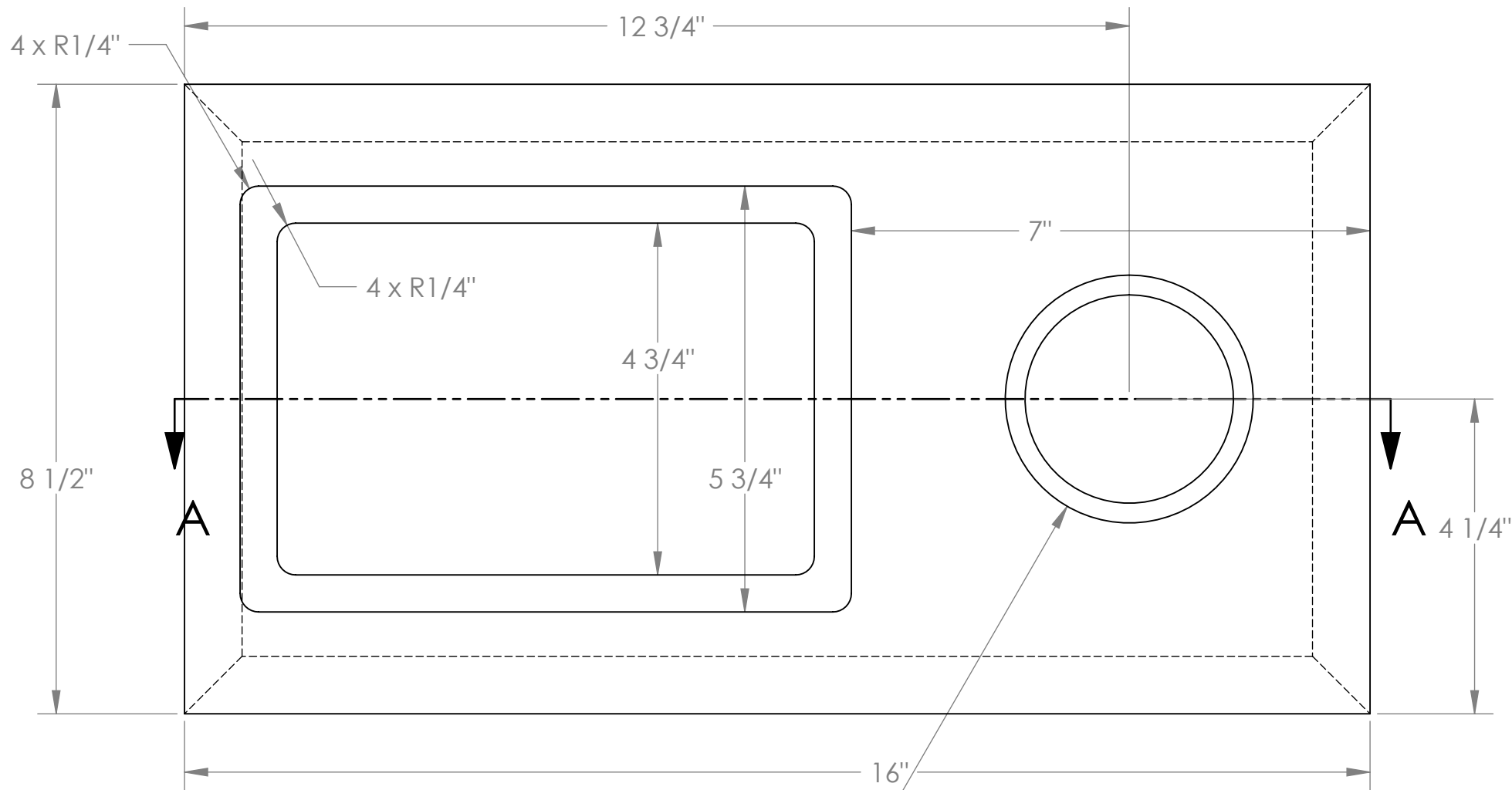
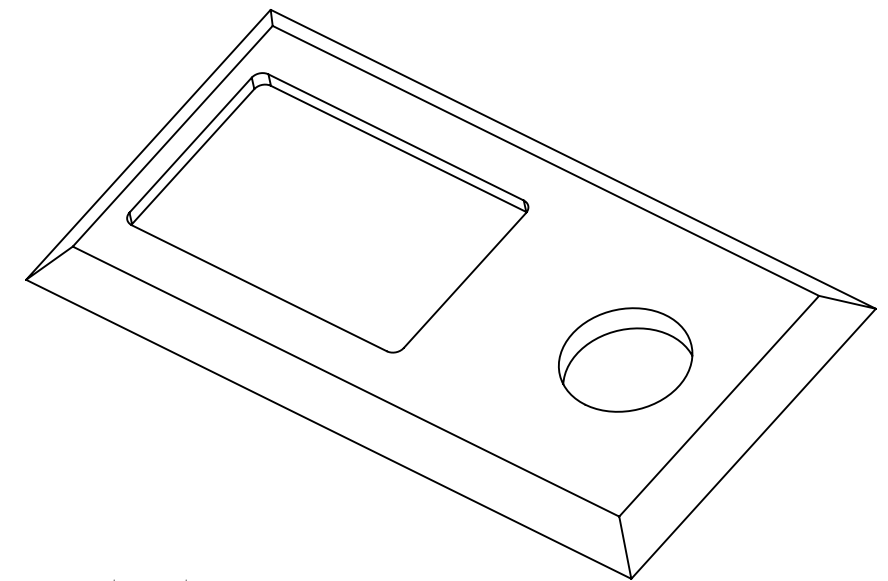
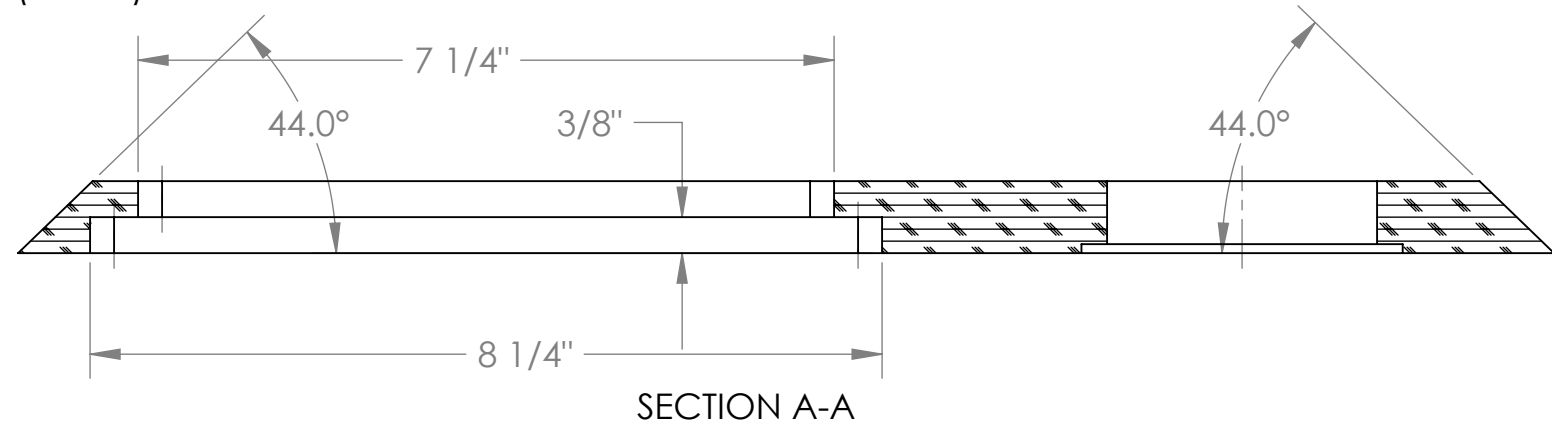
3

2

1

A

MATERIAL:
MDF 3/4" (19mm) THICK



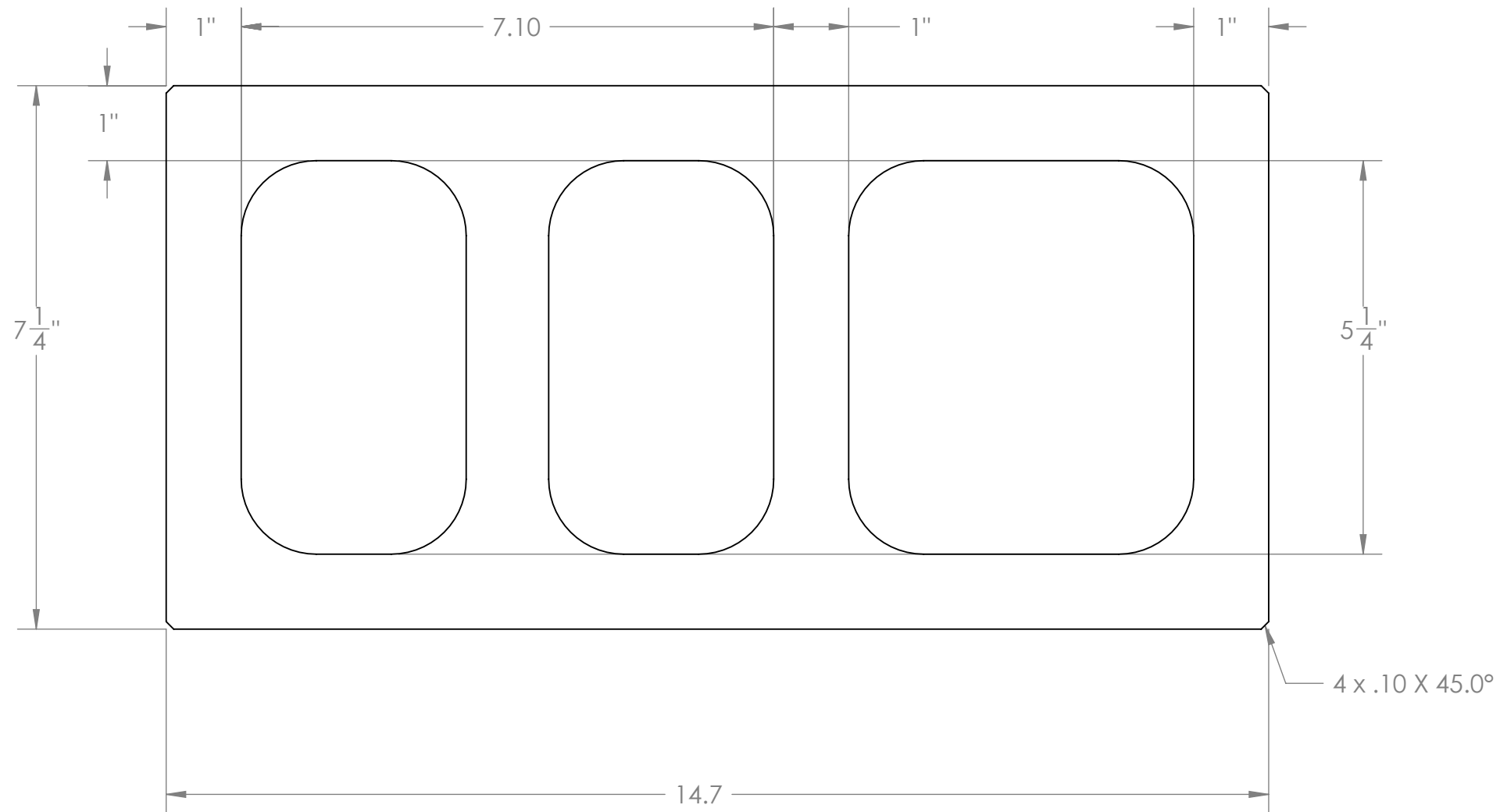
$\phi 2 \frac{13}{16}$ " [71.5] THRU
 $\square \phi 3 \frac{11}{32}$ " [85] $\nabla 3/32$ "



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		UNLESS OTHERWISE SPECIFIED:		NAME		DATE	
		DIMENSIONS ARE IN INCHES		DRAWN		VB 12/27/12	
		TOLERANCES:		CHECKED			
		FRACTIONAL ±		ENG APPR.			
		ANGULAR: MACH ± BEND ±		MFG APPR.			
		TWO PLACE DECIMAL ±		Q.A.			
		THREE PLACE DECIMAL ±		COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:					
		MATERIAL					
		FINISH					
NEXT ASSY	USED ON						
APPLICATION		DO NOT SCALE DRAWING					
KAIROS							
TITLE: BACK PANEL							
SIZE	DWG. NO.				REV		
B	Production Back 2_625						
SCALE: 1:2		WEIGHT:				SHEET 1 OF 1	

MATERIAL:
Baltic Birch Plywood 1/2" thick

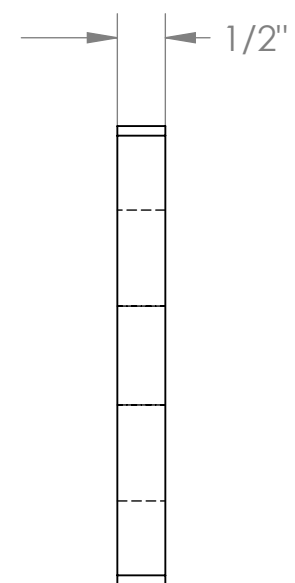
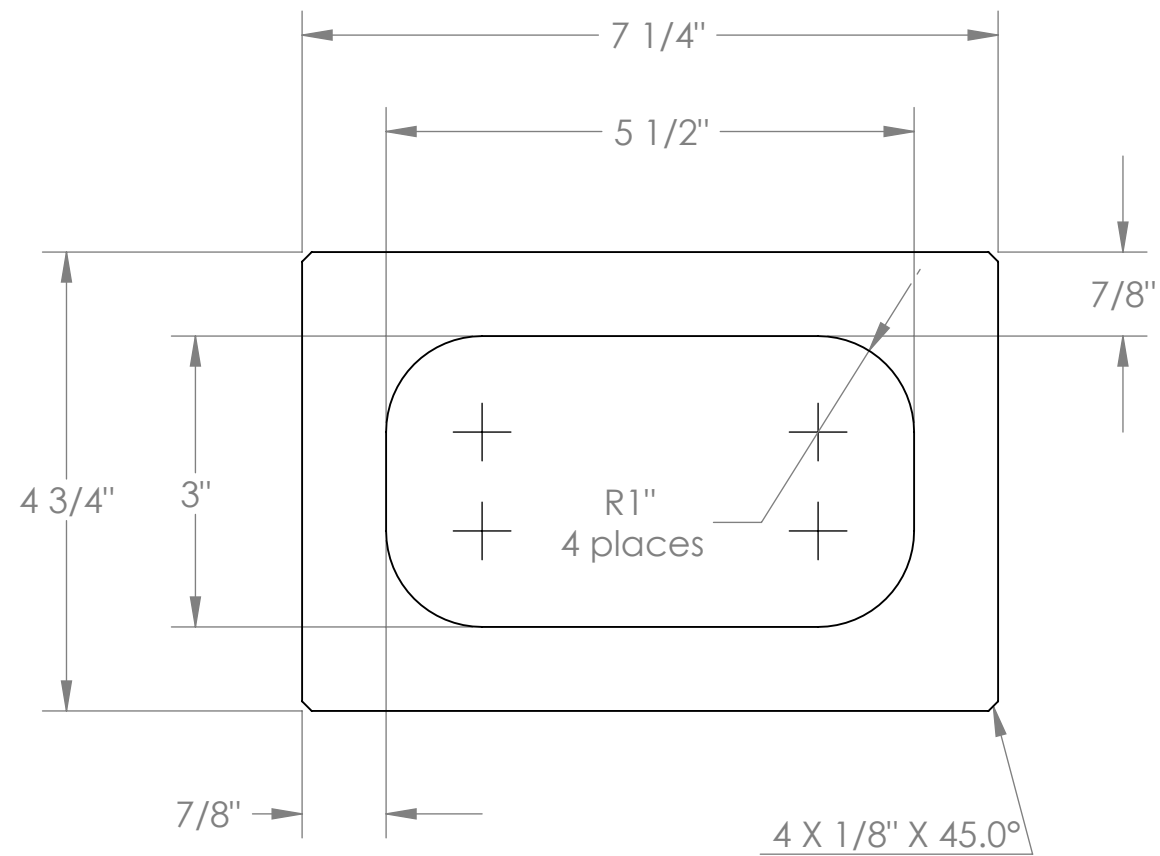


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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	KAIROS		
		DIMENSIONS ARE IN INCHES		DRAWN	VB			12/28/12
		TOLERANCES:		CHECKED		TITLE:		
		FRACTIONAL ±		ENG APPR.	VB	Vertical Brace		
		ANGULAR: MACH ± BEND ±		MFG APPR.				
		TWO PLACE DECIMAL ±		Q.A.		SIZE	DWG. NO.	REV
		THREE PLACE DECIMAL ±		COMMENTS:		B	Vertical Brace	1
NEXT ASSY	USED ON	FINISH				SCALE: 1:2	WEIGHT:	SHEET 1 OF 1
APPLICATION		DO NOT SCALE DRAWING						

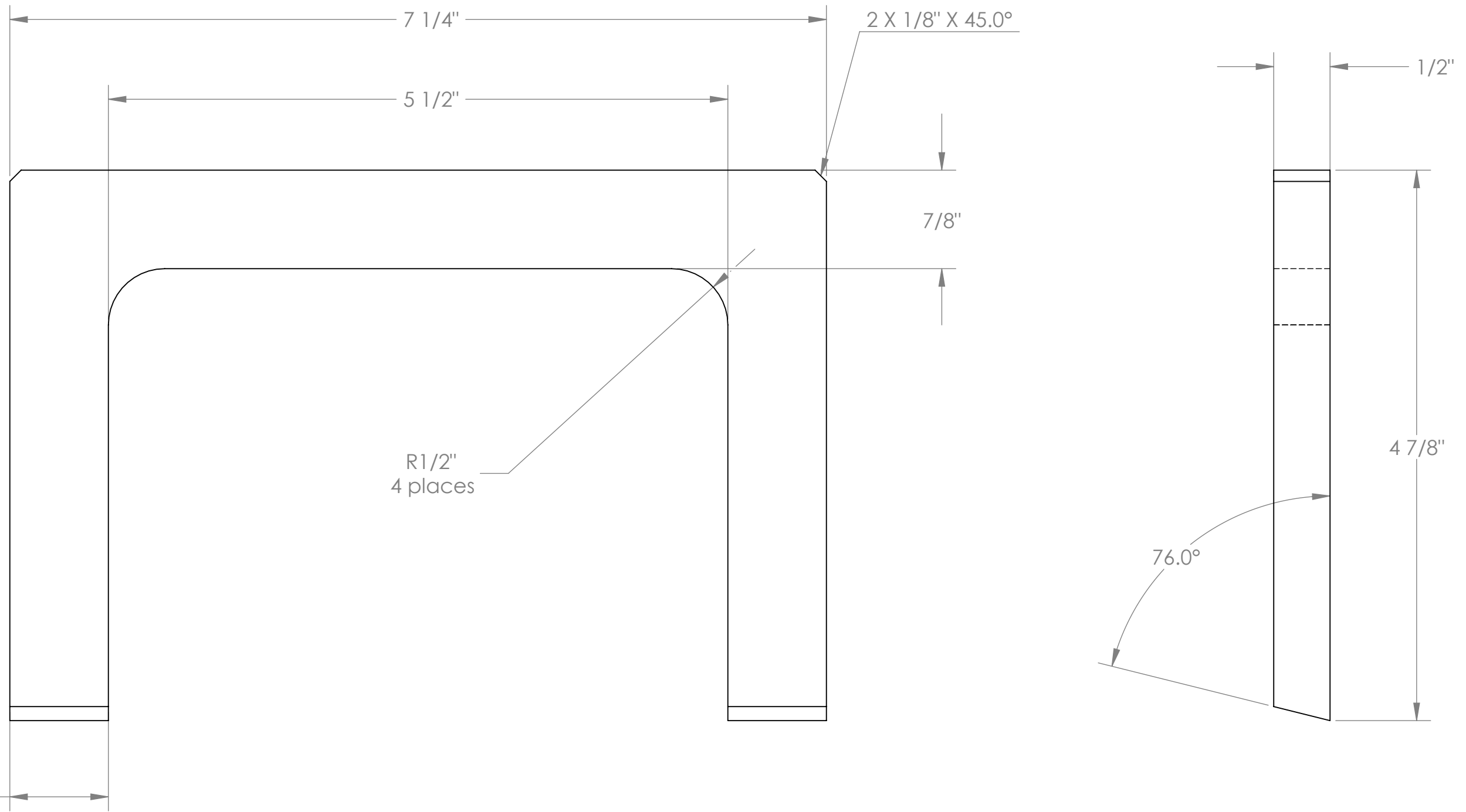
MATERIAL:
Baltic Birch Plywood 1/2" [12mm] thick



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	KAIROS			
		DIMENSIONS ARE IN INCHES		DRAWN	VB			12/28/12	
		TOLERANCES:		CHECKED			TITLE: HORIZONTAL BRACE, BACK		
		FRACTIONAL ±		ENG APPR.		12/28/12			
		ANGULAR: MACH ± BEND ±		MFG APPR.					
		TWO PLACE DECIMAL ±		Q.A.			SIZE	DWG. NO.	REV
		THREE PLACE DECIMAL ±		COMMENTS:			B	Horiz brace back	
		INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:2		WEIGHT:	SHEET 1 OF 1
		MATERIAL							
		FINISH							
NEXT ASSY	USED ON	DO NOT SCALE DRAWING							

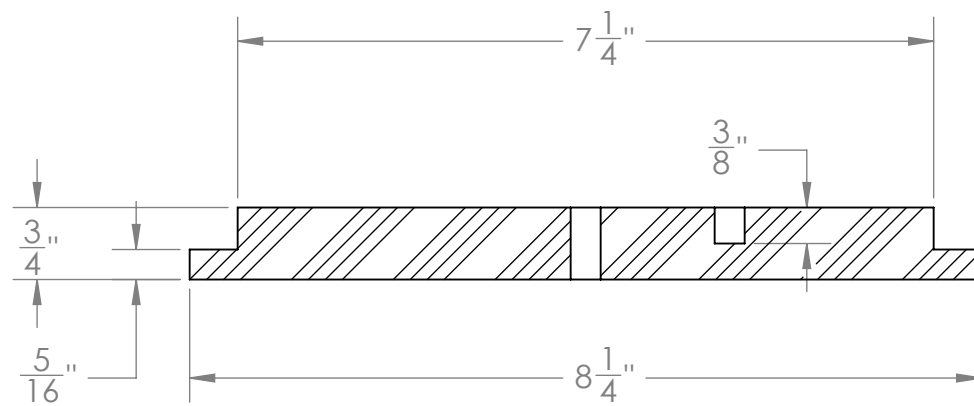
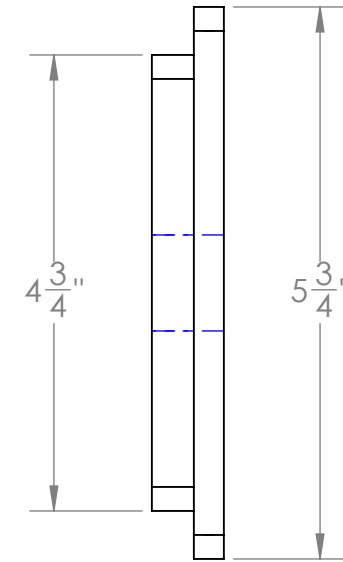
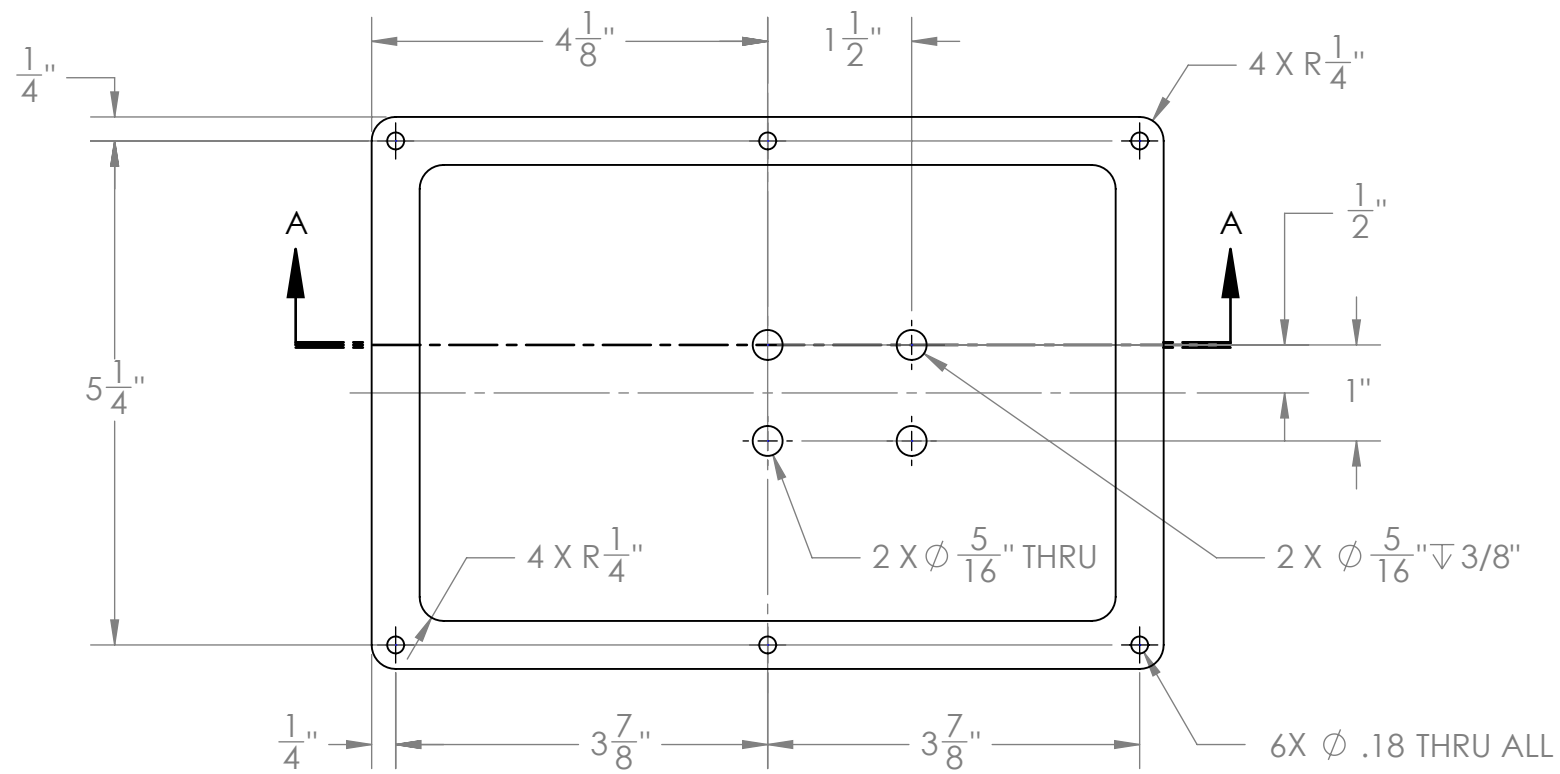
MATERIAL:
Baltic Birch Plywood 1/2" [12mm] thick



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	KAIROS			
		DIMENSIONS ARE IN INCHES		DRAWN	VB			12/28/12	
		TOLERANCES:		CHECKED			TITLE: HORIZONTAL BRACE, FRONT		
		FRACTIONAL ±		ENG APPR.					
		ANGULAR: MACH ± BEND ±		MFG APPR.					
		TWO PLACE DECIMAL ±		Q.A.			SIZE DWG. NO. REV B Horiz brace front		
		THREE PLACE DECIMAL ±		COMMENTS:					
		INTERPRET GEOMETRIC TOLERANCING PER:					SCALE: 1:1	WEIGHT:	SHEET 1 OF 1
		MATERIAL							
		FINISH							
NEXT ASSY	USED ON	DO NOT SCALE DRAWING							

MATERIAL:
MDF 3/4" (19mm) THICK



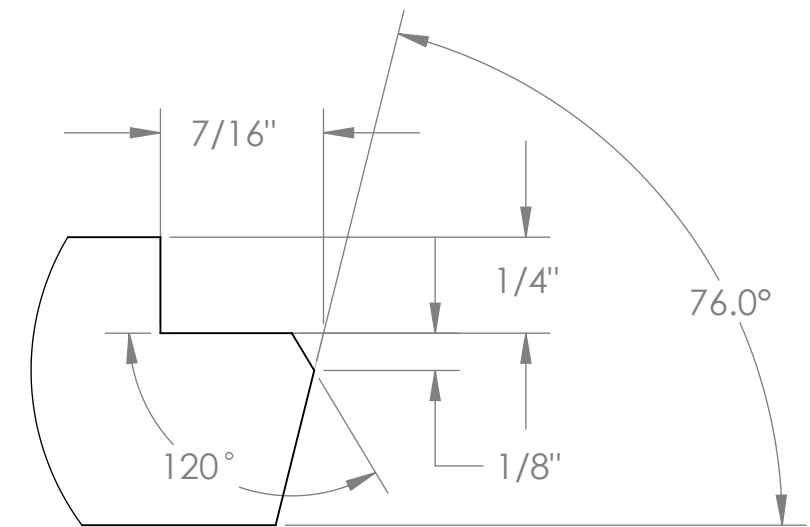
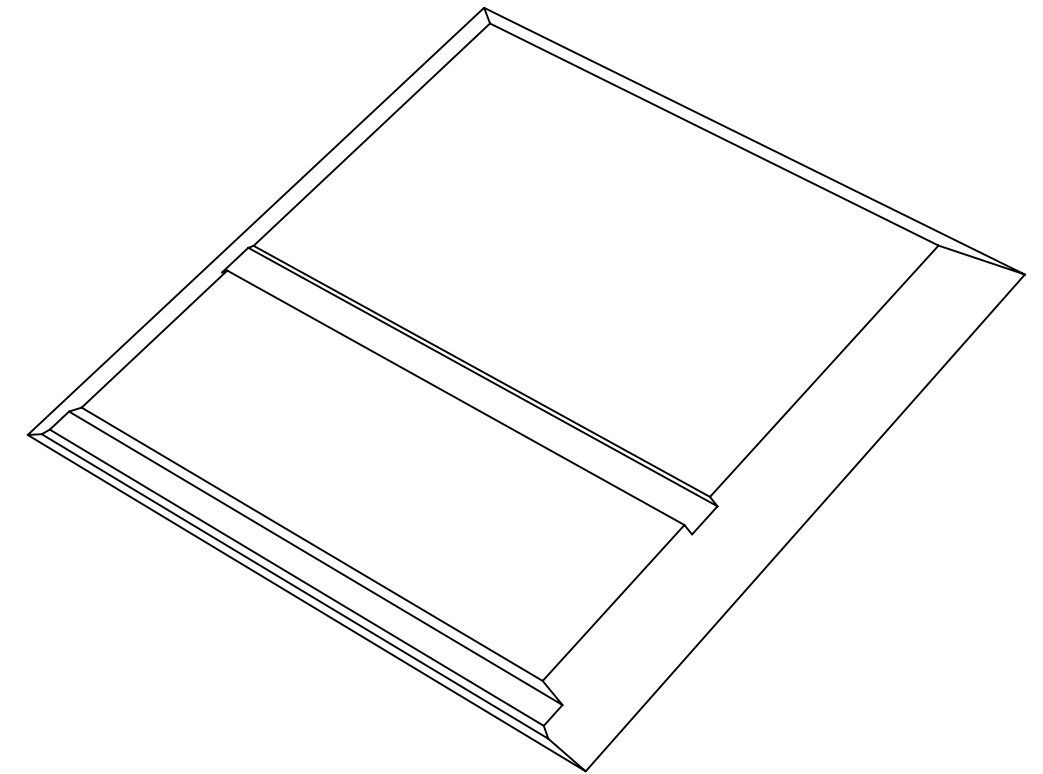
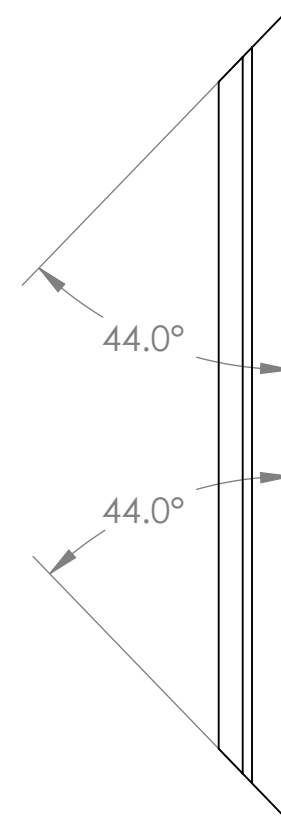
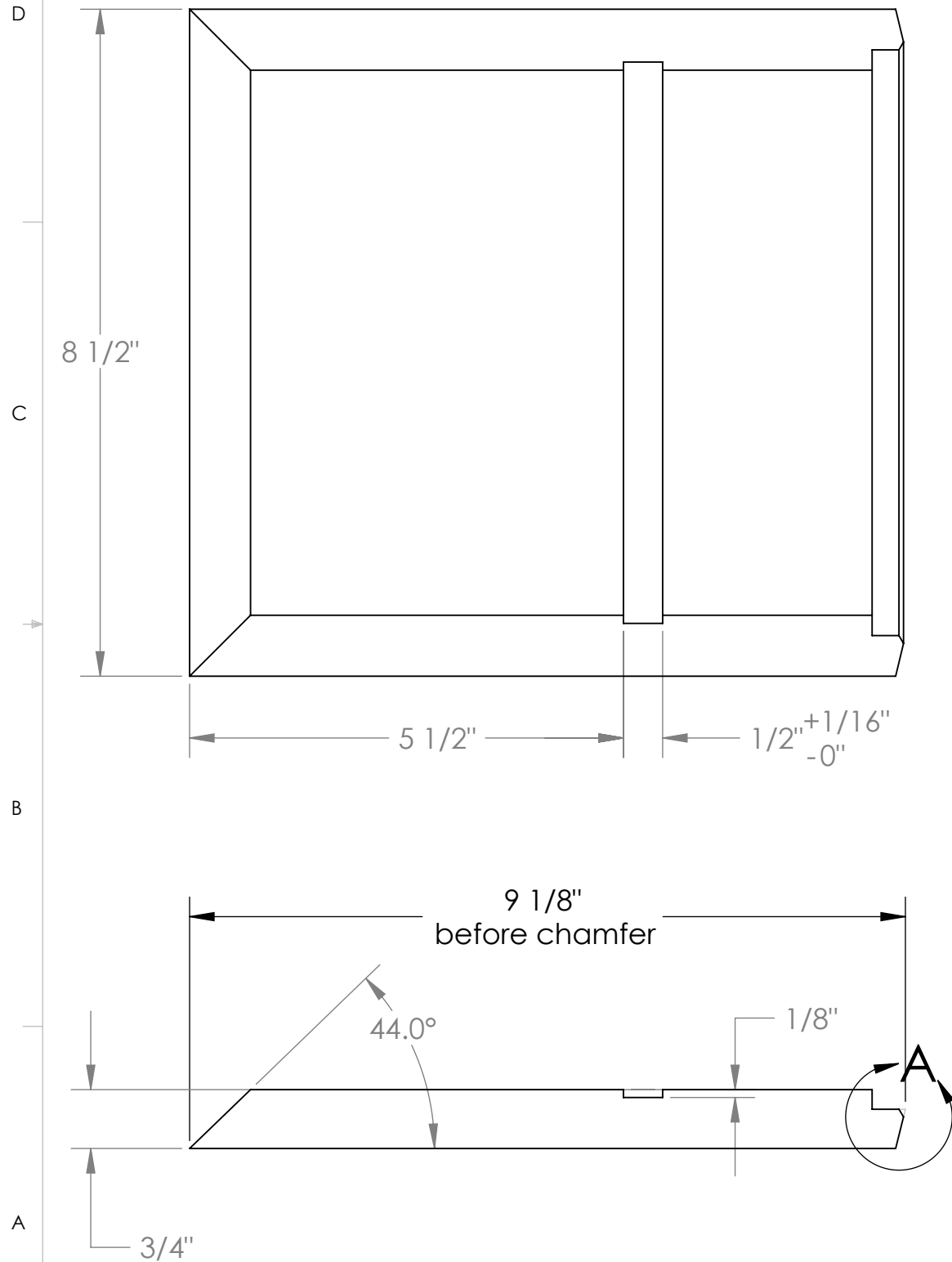
SECTION A-A



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	MANDOLIN PROD				
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±		DRAWN	VB			2/20/2012		
				CHECKED			TITLE:			
				ENG APPR.	VB		TERMINAL PLATE			
				MFG APPR.			SIZE	DWG. NO.	REV	
				Q.A.			B	Terminal plate	1	
				COMMENTS:				SCALE: 1:2	WEIGHT:	SHEET 1 OF 1
NEXT ASSY	USED ON	FINISH		DO NOT SCALE DRAWING						
APPLICATION										

MATERIAL:
MDF 3/4" (19mm) THICK



DETAIL A
SCALE 2 : 1



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	KAIROS	
		DIMENSIONS ARE IN INCHES		DRAWN	VB		
		TOLERANCES:		CHECKED			TITLE:
		FRACTIONAL ±		ENG APPR.			TOP PANEL
		ANGULAR: MACH ± BEND ±		MFG APPR.			
		TWO PLACE DECIMAL ±		Q.A.			SIZE
		THREE PLACE DECIMAL ±		COMMENTS:			B
		INTERPRET GEOMETRIC TOLERANCING PER:					DWG. NO.
		MATERIAL					Top
		FINISH					REV
NEXT ASSY	USED ON MA-5	DO NOT SCALE DRAWING					SCALE: 1:2
APPLICATION							WEIGHT:
							SHEET 1 OF 1