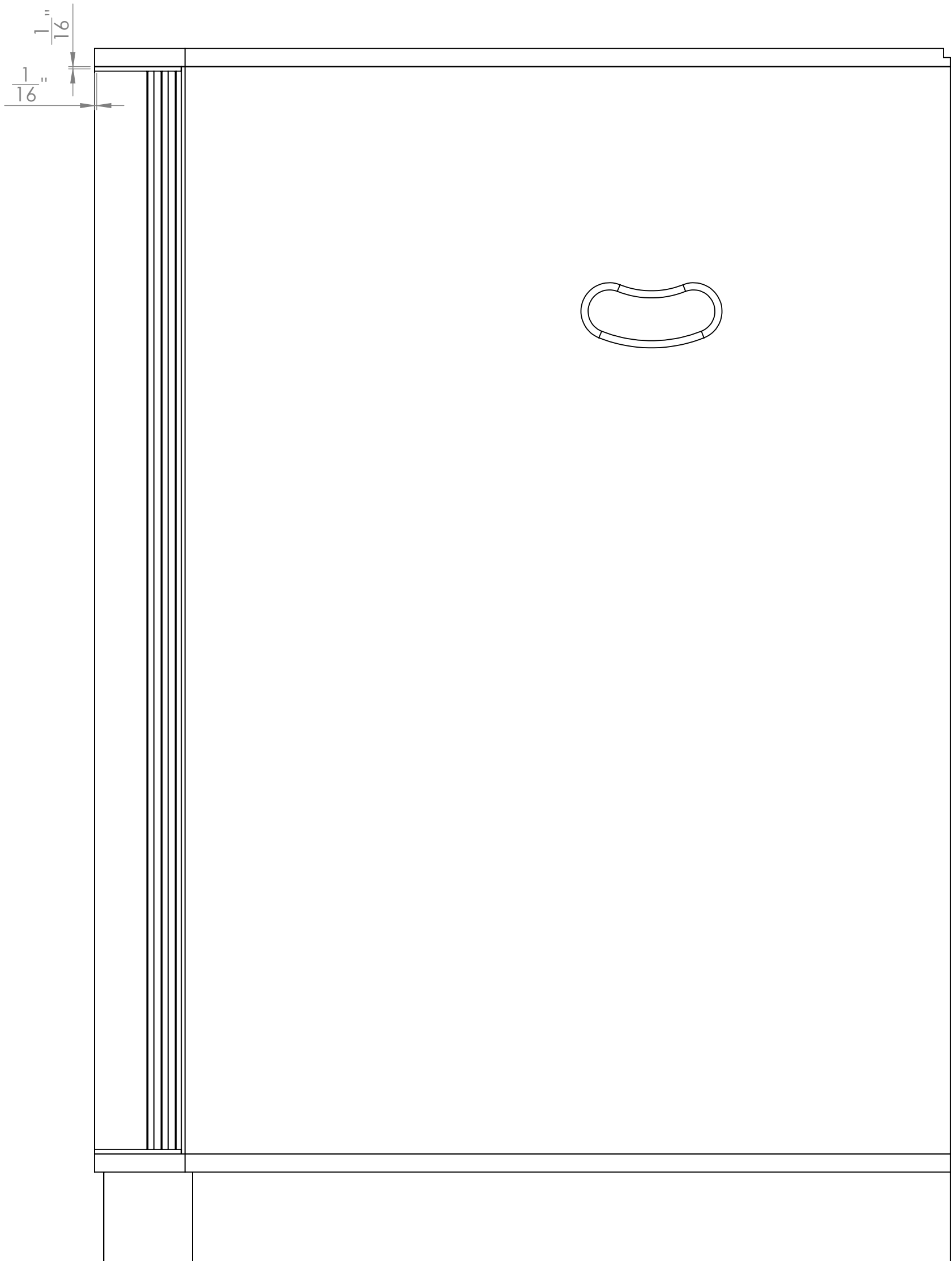
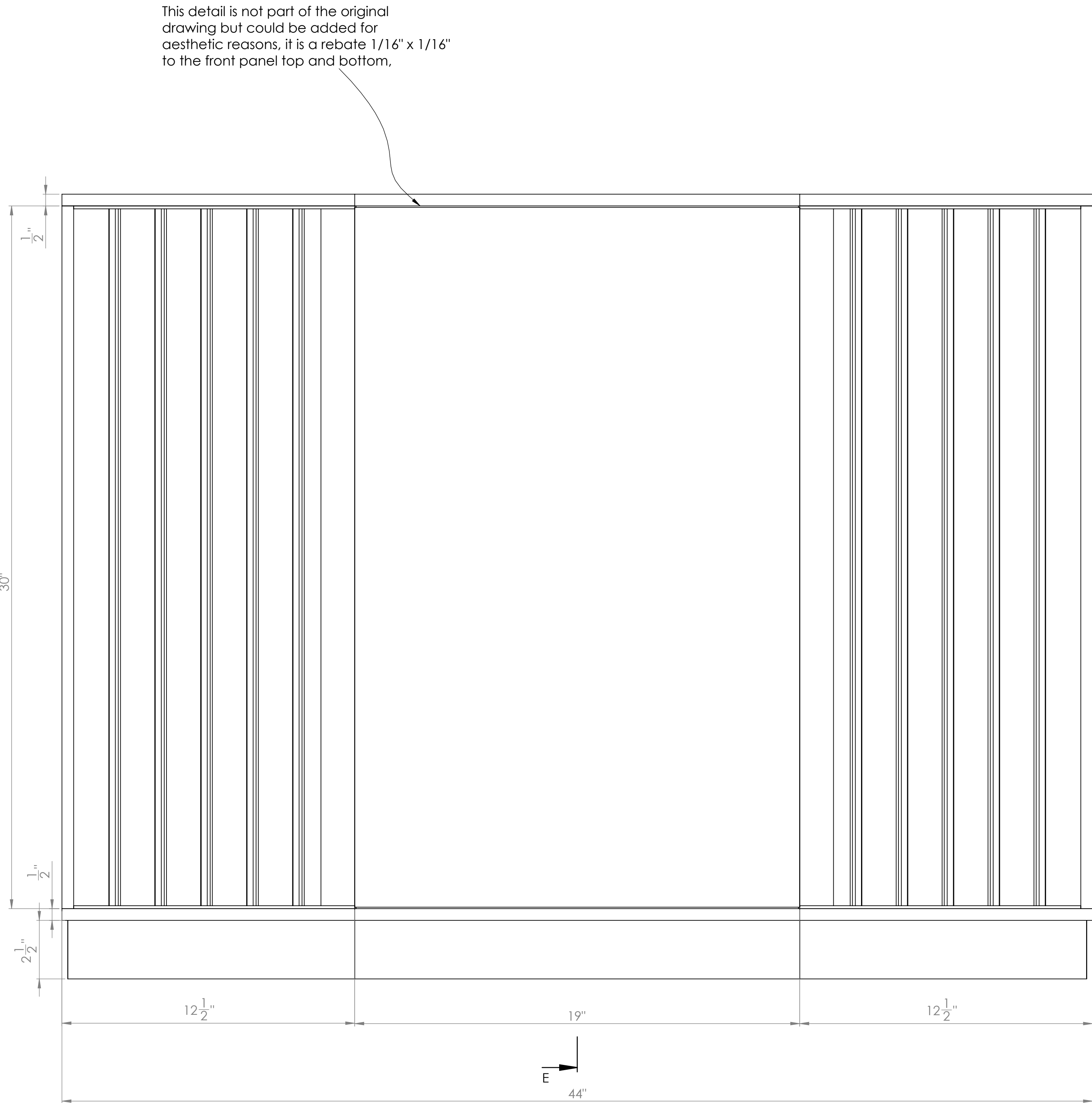
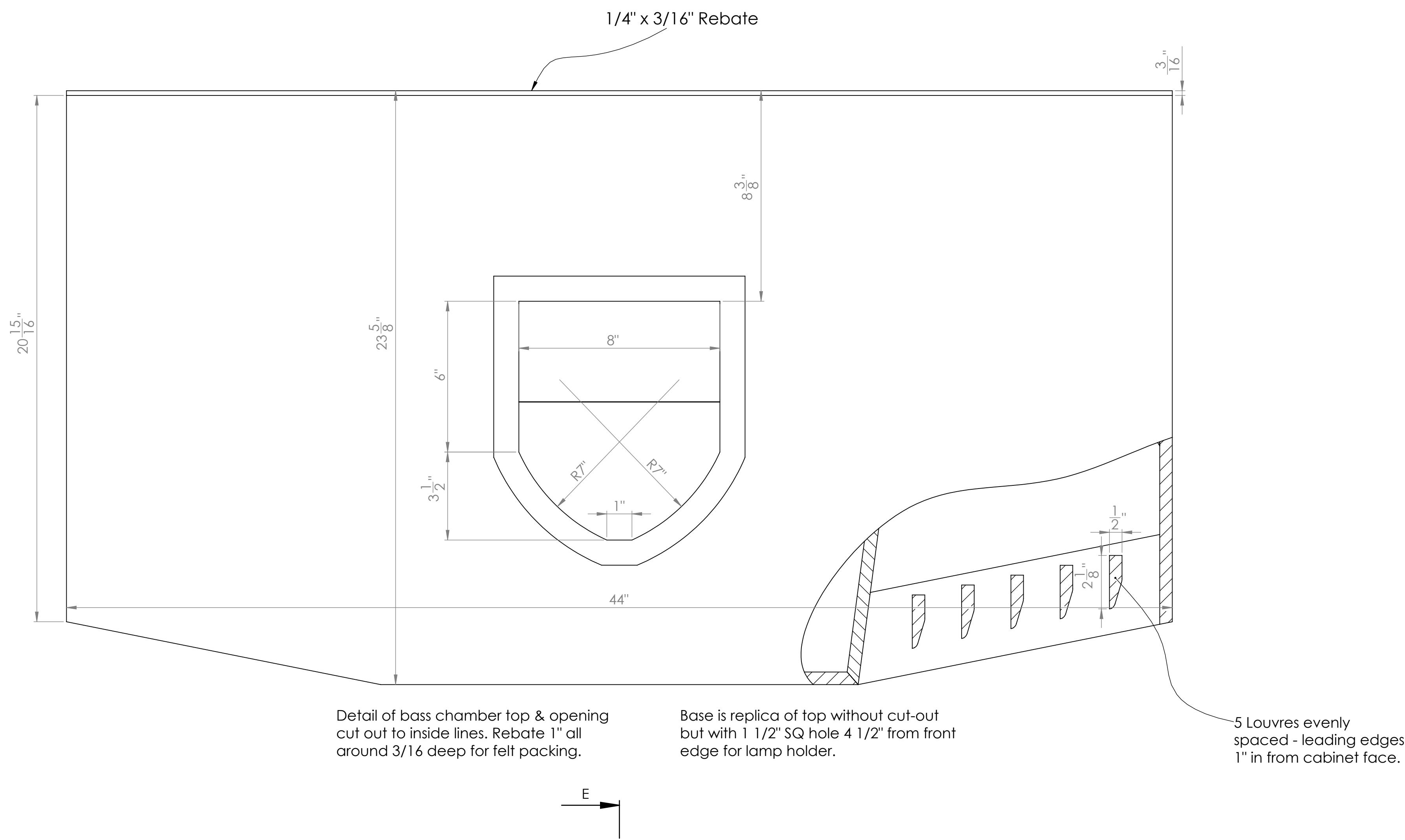


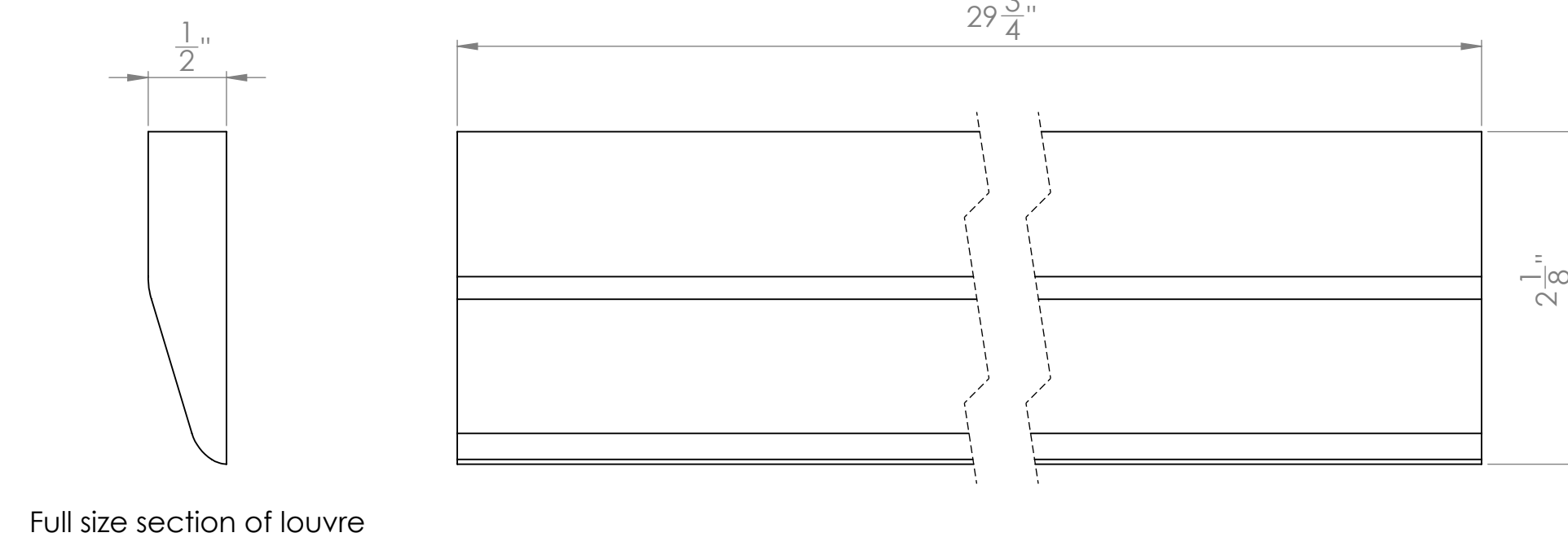
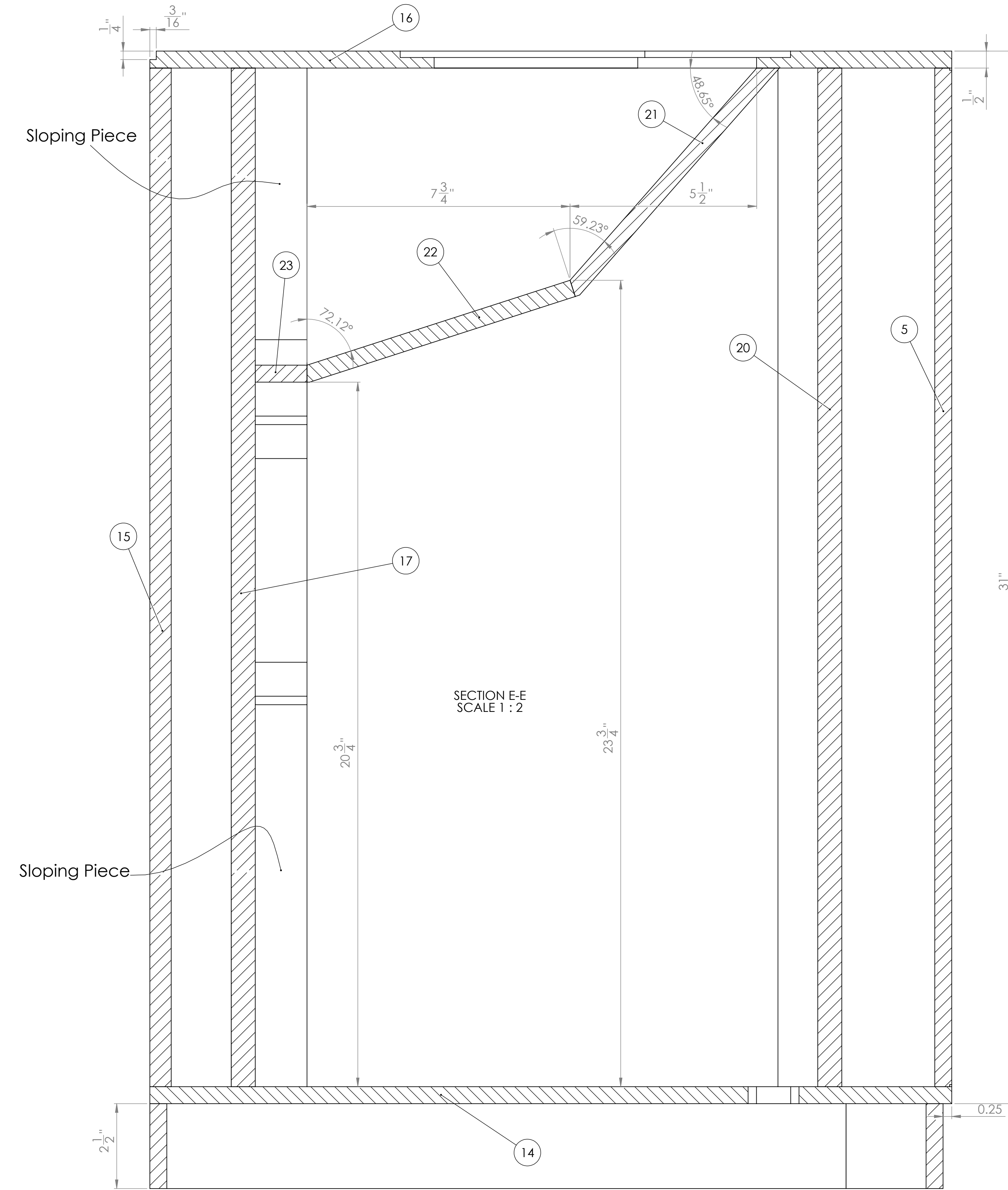
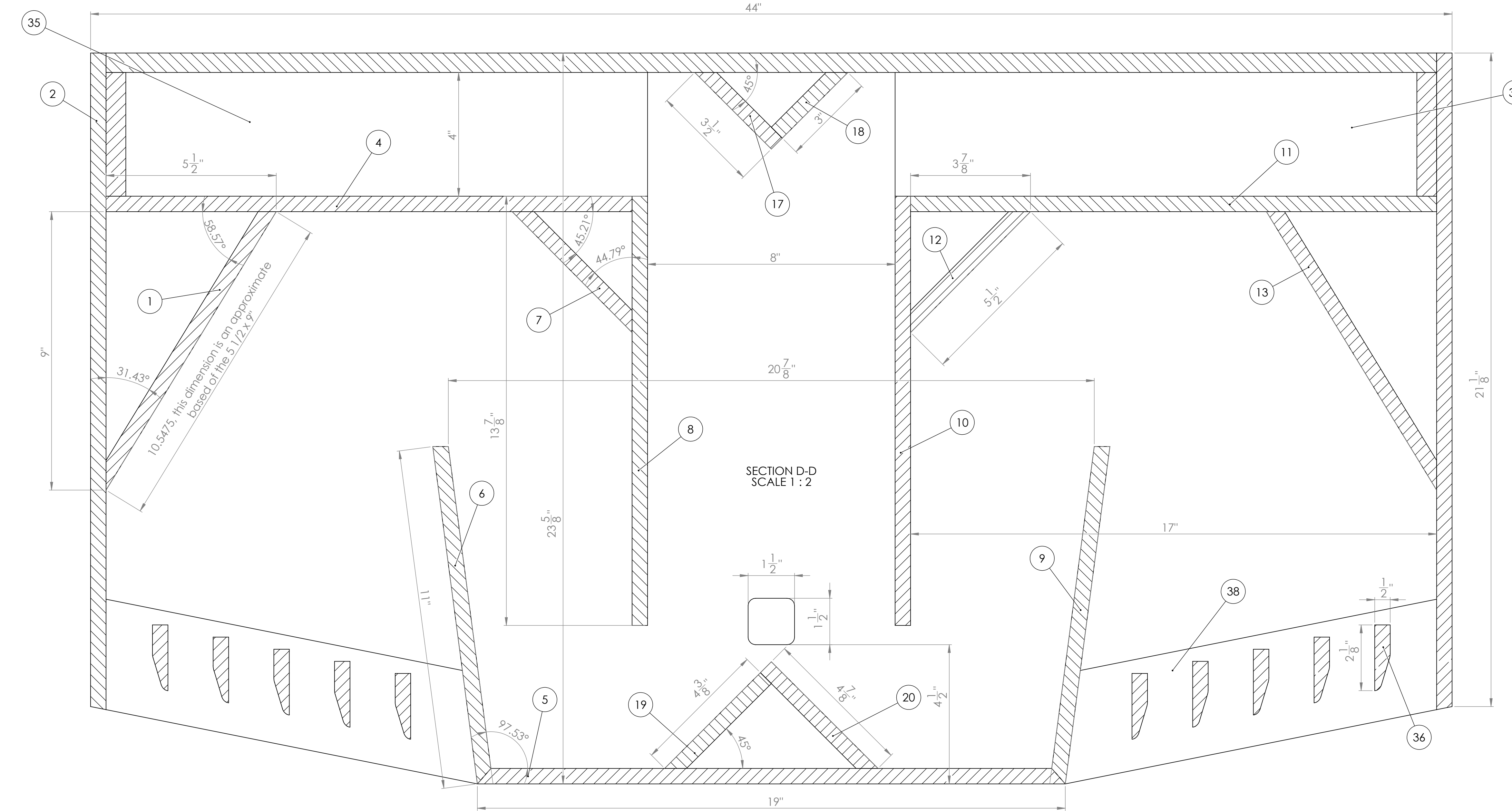
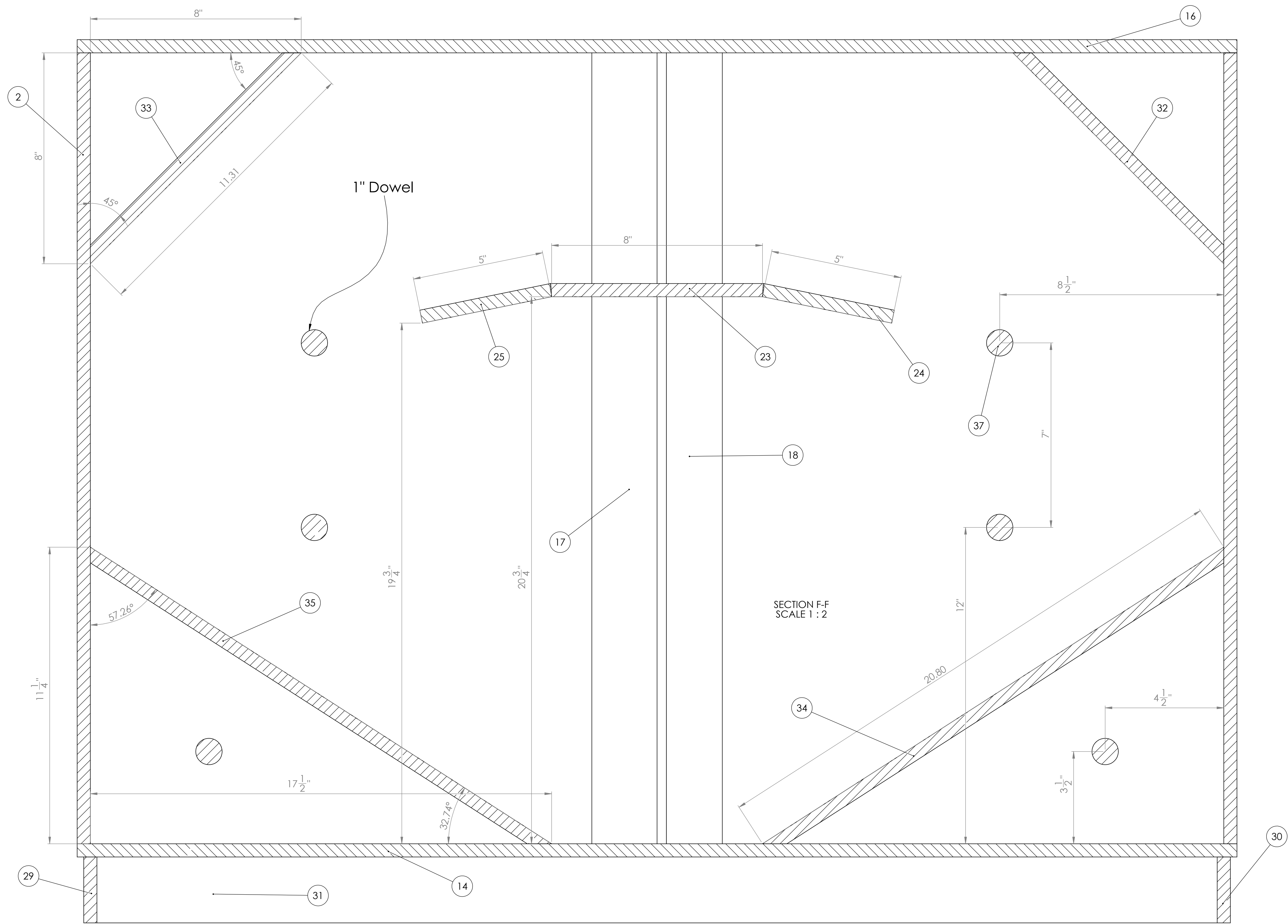
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	LENGTH	WIDTH	THICKNESS
1	Hegeman Original_Left	Left	1	30"	10.548	1/2"
2	Hegeman Original_Left_2	Left_2	1	30"	21 1/8"	1/2"
3	Hegeman Original_Right_1	Right_1	1	30"	21 1/8"	1/2"
4	Hegeman Original_Back	Back	1	17"	30"	1/2"
5	Hegeman Original_Front_1	Front_1	1	19"	30"	1/2"
6	Hegeman Original_Partition	Partition	1	30"	11"	1/2"
7	Hegeman Original_Partition_1	Partition_1	1	30"	5 1/2"	1/2"
8	Hegeman Original_Partition_2	Partition_2	1	30"	13 7/8"	1/2"
9	Hegeman Original_Partition_3	Partition_3	1	30"	11"	1/2"
10	Hegeman Original_Partition_4	Partition_4	1	30"	13 7/8"	1/2"
11	Hegeman Original_Back_2	Back_2	1	17"	30"	1/2"
12	Hegeman Original_Partition_5	Partition_5	1	30"	5 1/2"	1/2"
13	Hegeman Original_Partition_6	Partition_6	1	30"	10.548	1/2"
14	Hegeman Original_Bottom	Bottom	1	44"	23 5/8"	1/2"
15	Hegeman Original_Back_3	Back_3	1	43"	30"	0.630
16	Hegeman Original_Top	Top	1	44"	23 5/8"	1/2"
17	Hegeman Original_Partition_7	Partition_7	1	30"	3 1/2"	1/2"
18	Hegeman Original_Partition_8	Partition_8	1	30"	3 1/2"	1/2"
19	Hegeman Original_Partition_9	Partition_9	1	30"	4 7/8"	1/2"
20	Hegeman Original_Partition_10	Partition_10	1	30"	4 7/8"	1/2"
21	Hegeman Original_Top_1	Top_1	1	8"	8.325	1/2"
22	Hegeman Original_Top_2	Top_2	1	8"	8.143	1/2"
23	Hegeman Original_Shelf	Shelf	1	8"	4"	1/2"
24	Hegeman Original_Top_4	Top_4	1	5"	4"	1/2"
25	Hegeman Original_Top_5	Top_5	1	5"	4"	1/2"
26	Hegeman Original_Front_4	Front_4	1	19"	2 1/2"	1/2"
27	Hegeman Original_Front_5	Front_5	1	12.493	2 1/2"	1/2"
28	Hegeman Original_Front_6	Front_6	1	12.493	2 1/2"	1/2"
29	Hegeman Original_Left_3	Left_3	1	2 1/2"	21 1/8"	1/2"
30	Hegeman Original_Right_2	Right_2	1	2 1/2"	21 1/8"	1/2"
31	Hegeman Original_Back_4	Back_4	1	42 1/2"	2 1/2"	1/2"
32	Hegeman Original_Top_6	Top_6	1	11.314	4"	1/2"
33	Hegeman Original_Top_7	Top_7	1	11.314	4"	1/2"
34	Hegeman Original_Bottom_1	Bottom_1	1	20.804	4"	1/2"
35	Hegeman Original_Bottom_2	Bottom_2	1	20.804	4"	1/2"
36	Louvre A		10	30"	2.130	1/2"
37	Dowel		6			
38	Louvre Mounting		4			
39	Hegeman Original_Left_1	Left_1	1	11"	12"	1/2"
40	Hegeman Original_Right	Right	1	11"	12"	1/2"
41	Hegeman Original_Front	Front	1	3 1/8"	11"	1/2"
42	Hegeman Original_Front_2	Front_2	1	3 1/8"	11"	1/2"
43	Hegeman Original_Top_3	Top_3	1	42 1/2"	20 1/4"	1/2"
44	Hegeman Original_Top_8	Top_8	1	43 1/2"	20 1/4"	1/2"
45	W Horn (Not Accurate)		1			

Note - 1/2" marine plywood should be used for the whole construction except the back which should be 5/8" thick.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				FRESH		DIESEL AND BETA SHIP DOES		DO NOT SCALE DRAWING		REVISION	
NAME		SIGNATURE		DATE				TITLE			
DRAWN											
CHECKED											
APPROVED											
MFG											
D.A.											
				MATERIAL				DWG NO.		A0	
								Hegeman Original			
				WEIGHT				SCALE 1:2		SHEET 1 OF 3	



FACIL OBSERVED SPECIES DIMENSIONS ARE IN MILLIMETERS SUBJECT FISH TOLERANCES: UNLESS SPECIFIED				FISH				DRAWING AND BRAIN SHARP SIDES				DO NOT SCALE DRAWING				REVISION							
NAME				SIGNATURE				DATE				FILE:											
DRAWN																							
CHECKED																							
APPROVED																							
MFG																							
D.A.								MATERIAL:				OWD NO.				Hegemon Original				A0			
								WEIGHT:				SCALE 1:2				SHEET 2 OF 3							

Final Assembly of the Lowther-Hegeman

Reproducer

Having made certain that all panels are firmly fixed and relatively tight, we advise that the whole assembly, as far as practicable, be tapped or beaten with a drum stick to make sure that all panels sound firm. If a panel sounds cracked, then some appropriate action must be taken.

The wiring for the lamp is self-evident and is wired to the three pin socket at the rear of the unit; a s.b.c holder and lamp is used.

Fitting of the P.M 4 unit into the plaster cast reflector is a simple operation. Place the cast on a bench with the flare uppermost; the P.M. 4 unit diaphragm down and feet forward, carefully place in the throat, mark two fixing holes and drill. The unit is then drawn into position, by two 5/16” countersunk bolts. Care should be taken to see that the face of the diaphragm frame is firmly and square to throat aperture. If slight packing at the base is required to ensure firmness, add as necessary.

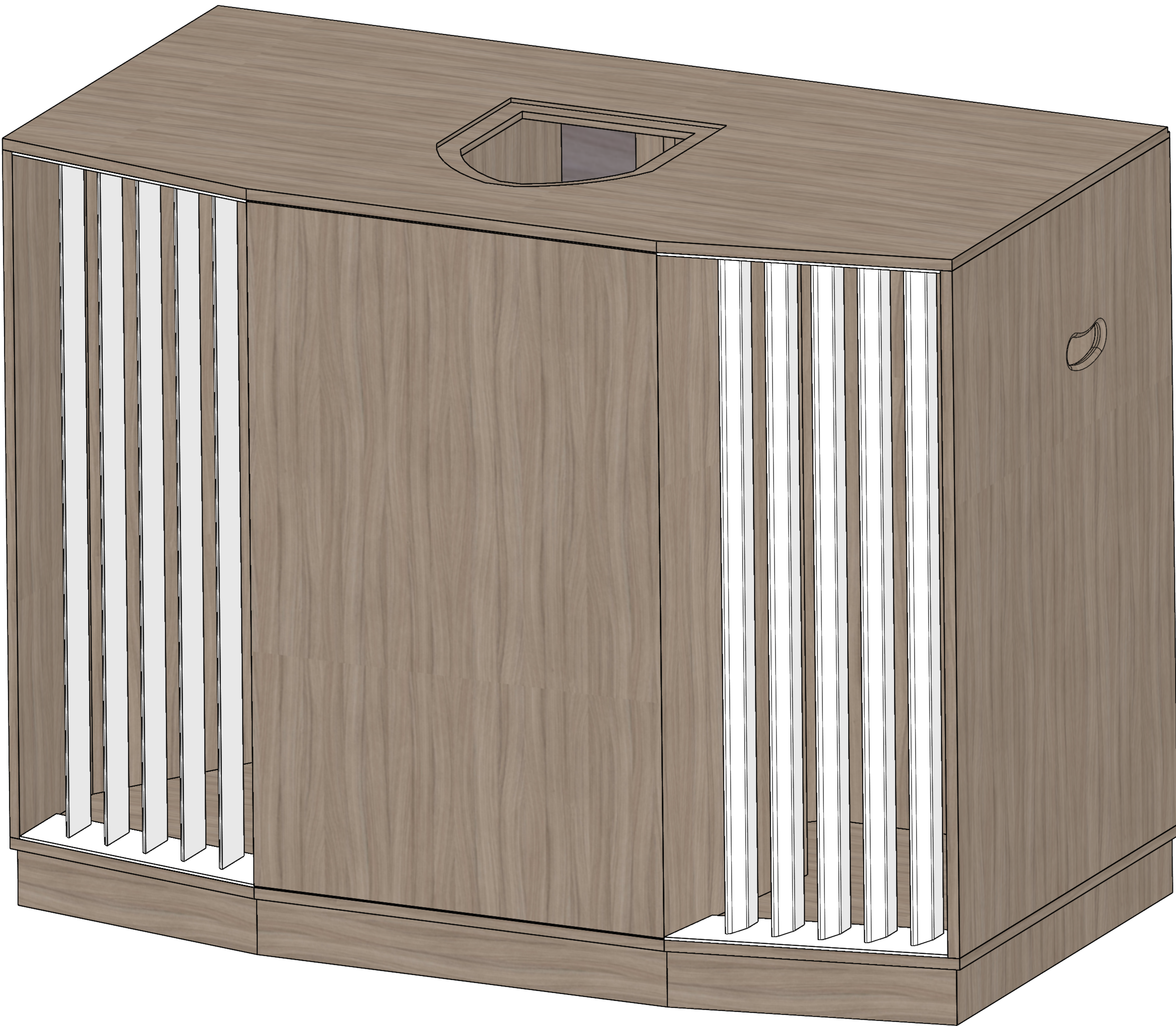
The speech lead is brought through the casting by drilling a hole from the position of the speech coil terminals through the casting to the bottom face. The unit should be buzzed approximately 3 or 4 v. A.C. 50 cycles to ensure that it is free and that no undue resonance through dirt or other obstruction is being caused.

The aperture on the top of the base horn should now have some thick felt similar to a good quality carpet underfelt fitted to the surround so that when the plaster cast is slid into position it will form a seal between the plaster cast and the top of the base horn. The front edge of the plaster casting should also have a thinner piece of felt conforming to the front contour flare fixed to the horn top but not so thick that will lift the main casting from the aperture felt. The wooden runners through the plaster cast can now be screwed down and up in the cabinet to secure. We advise packing pieces between the runners and the cabinet to save bowing of woodwork unnecessarily.

The speech lead now protruding through the back underside of the casting passes through a small hole to be connected to the rear of the two pin plug in the upper portion of the back of the cabinet. At this stage 50 cycles supply is again connected to ensure that the combined unit is free of any buzz or rattle whatsoever.

The back opening is covered in by a piece of hardboard or plywood.

FINISH. Cabinet work and the mouth interiors may be finished in any way desired, distempered, painted, veneered etc. The inside flare of the plaster cast should not be finished in high gloss paint or varnish of any kind. Water colour or washable paint or distemper should be used.



ALL DIMENSIONS GIVEN IN INCHES DIMENSIONS ARE IN MILLIMETERS TOLERANCES: FRACTIONS DECIMALS				INCHES MILLIMETERS		DESIGNER AND DATE CHECKED DATE		DO NOT SCALE DRAWING		REVISION	
DRAWN: CHECKED: APPROVED: MFG: D.A.				NAME: SIGNATURE: DATE:		FILE:		DWG NO.		A0	
4				3		2		1			
WEIGHT:				SCALE: 1:1		SHEET 3 OF 3					