

## **WARNING! - Please Read this Information Carefully:**

The project described in these pages utilizes **POTENTIALLY FATAL HIGH VOLTAGES**. If you are in any way unfamiliar with high voltage circuits or are uncomfortable working around high voltages, **PLEASE DO NOT RISK YOUR LIFE BY BUILDING THEM**. Seek help from a competent technician before building any unfamiliar electronics circuit. While efforts are made to ensure accuracy of these circuits, no guarantee is provided, of any kind!

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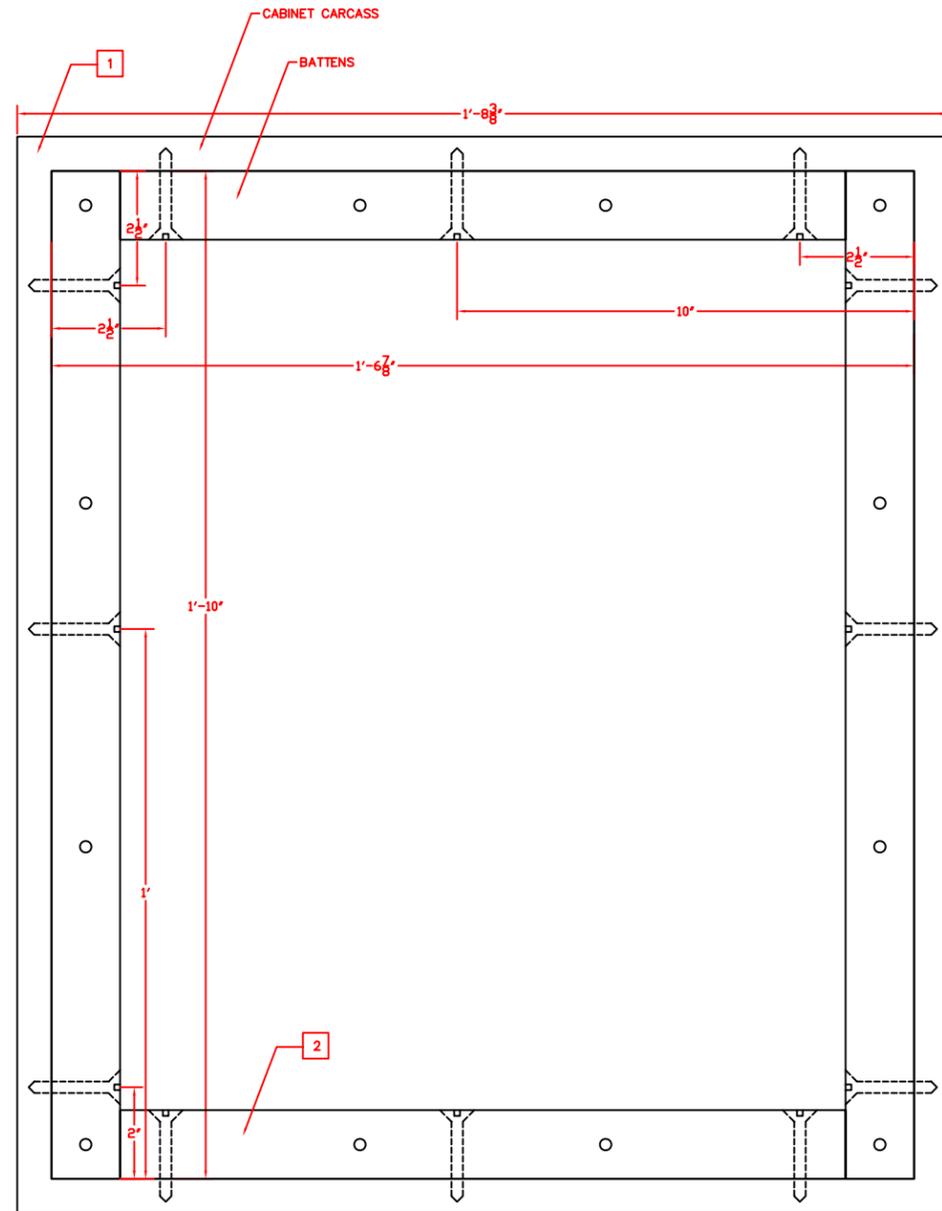
Revision	Description
07.06.15	Issued For Construction
07.06.16	Cabinet And Construction Note Corrections

**CABINET CONSTRUCTION NOTES:**

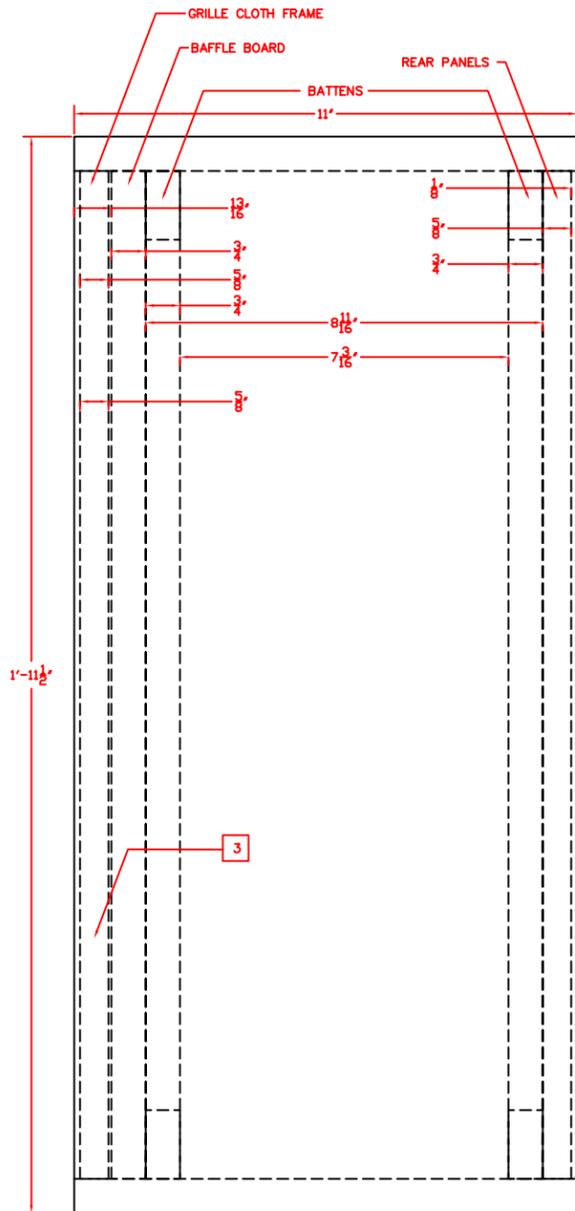
- 1 THE SPECIFIC TYPE OF CORNER JOINTS USED IN THE CABINET CARCASS IS LEFT TO THE BUILDER. AN IMPORTANT POINT TO BEAR IN MIND IS THAT THE INTERIOR VOLUME OF THE CABINET IS CRITICAL. THEREFORE THE BUILDER IS ADVISED TO USE A CORNER JOINT THAT DOES NOT REQUIRE ANY SORT OF BRACING THAT DOES NOT REDUCE THE INTERIOR CABINET VOLUME. EXAMPLES OF THIS WOULD BE FINGER JOINTS, DOVE-TAIL JOINTS, OR BISQUITS. IN ALL CASES THE WOOD OF THE CABINET SHOULD BE GLUED ON ALL MATING SURFACES.
- 2 BATTENS ARE ATTACHED TO THE SIDES OF THE CABINET CARCASS WITH WOOD SCREWS AND GLUE. CARE SHOULD BE TAKEN TO ENSURE THAT THE SCREW LOCATIONS DO NOT INTERFERE WITH ANY OF THE BAFFLE BOARD, GRILLE FRAME, OR REAR PANEL MOUNTING POINTS SHOWN. EXTREME CARE SHOULD BE TAKEN TO ENSURE THAT THE SCREW DOES NOT BREAK THE OUTSIDE SURFACE, NOR COME ANY CLOSER THAN 1/8" TO THE OUTER SURFACE OF THE CABINET CARCASS ESPECIALLY IF THE OUTER SURFACE IS TO BE FINISHED WOOD. ADDITIONALLY, THE BUILDER IS ADVISED TO INSTALL THE FASTENERS THAT WILL BE USED TO SECURE THE BAFFLE BOARD AND REAR PANELS TO THE BATTENS (T-NUTS FOR EXAMPLE) IN THE BATTENS BEFORE SECURING THE BATTENS TO THE CABINET SO THAT THE BATTEN DOES NOT SPLIT AFTER MOUNTING.
- 3 MOUNTING OF THE GRILLE CLOTH FRAME, WHETHER PERMANENT VIA SCREWS, OR REMOVABLE VIA FASTENERS SUCH AS THOSE USED TO MOUNT AUDIO SPEAKER GRILLES, IS LEFT TO THE BUILDER. CARE SHOULD BE TAKEN BY THE BUILDER, REGARDLESS OF THE PREFERRED MOUNTING METHOD TO ENSURE THAT THE MOUNT POINTS FOR THE GRILLE CLOTH FRAME DO NOT INTERFERE WITH ANY OF THE MOUNT POINTS FOR THE SPEAKER BAFFLE, REAR PANELS, OR WITH THE SCREWS USED TO SECURE THE BATTENS TO THE CABINET CARCASS.

**GENERAL CONSTRUCTION NOTES:**

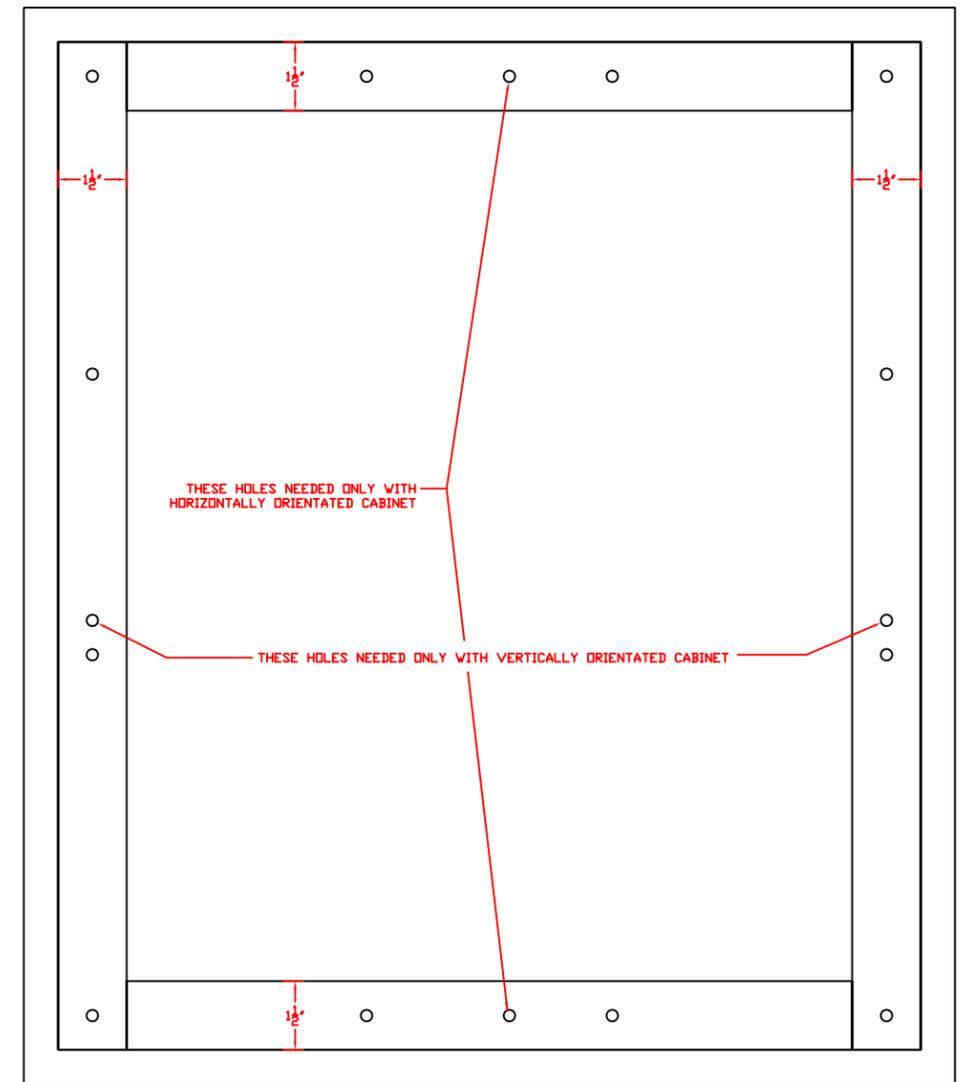
- 1 THIS PLAN HAS NO PROVISIONS FOR EXTERIOR HARDWARE. THE PLACEMENT, AND TYPE OF CABINET HARDWARE SUCH AS CABINET FEET AND HANDLES IS LEFT TO THE BUILDER.
- 2 EXTERIOR DETAILS SUCH AS CONER ROUNDOVERS, COVERINGS, OR FINISH TYPES ARE LEFT TO THE BUILDER.
- 3 CABINET CARCASS CONSTRUCTION MATERIALS ARE LEFT UP TO THE BUILDER. SOME TYPE OF COMMON HARDWOOD, SUCH AS OAK, IS RECOMMENDED FOR THE BATTENS AS THEY ARE SUBJECTED TO STRAIN AND/OR MAY BE CONSIDERABLY WEAKENED BY THE HOLES THAT ARE TO BE DRILLED. THE USE OF VOID-FREE, CABINET GRADE PLYWOOD IS RECOMMENDED FOR THE SPEAKER BAFFLE AS WELL AS THE REAR CABINET PANELS AND THE GRILLE FRAME.
- 4 BE SURE TO SIZE THE HOLES IN THE BATTENS PROPERLY FOR THE TYPE OF FASTENER, SUCH AS A T-NUT, THAT WILL BE USED TO SECURE THE BAFFLE AND REAR PANELS. FAILURE TO CORRECTLY SIZE THE FASTENER HOLE IS LIKELY TO CAUSE THE BATTEN TO SPLIT. THE FASTENER, SUCH AS A T-NUT, SHOULD BE MOUNTED TO THE BATTEN PRIOR TO GLUEING AND SCREWING THE BATTEN TO THE CABINET CARCASS.
- 5 THE GRILLE CLOTH FRAME AND BAFFLE BOARD ARE NOT SHOWN ON THE SPEAKER CABINET FRONT VIEW, AND THE REAR PANELS ARE NOT SHOWN ON THE SPEAKER CABINET REAR VIEW FOR CLARITY. THESE COMPONENTS ARE SHOWN ON THE SPEAKER CABINET SIDE VIEW.



**Speaker Cabinet Front**



**Speaker Cabinet Side**

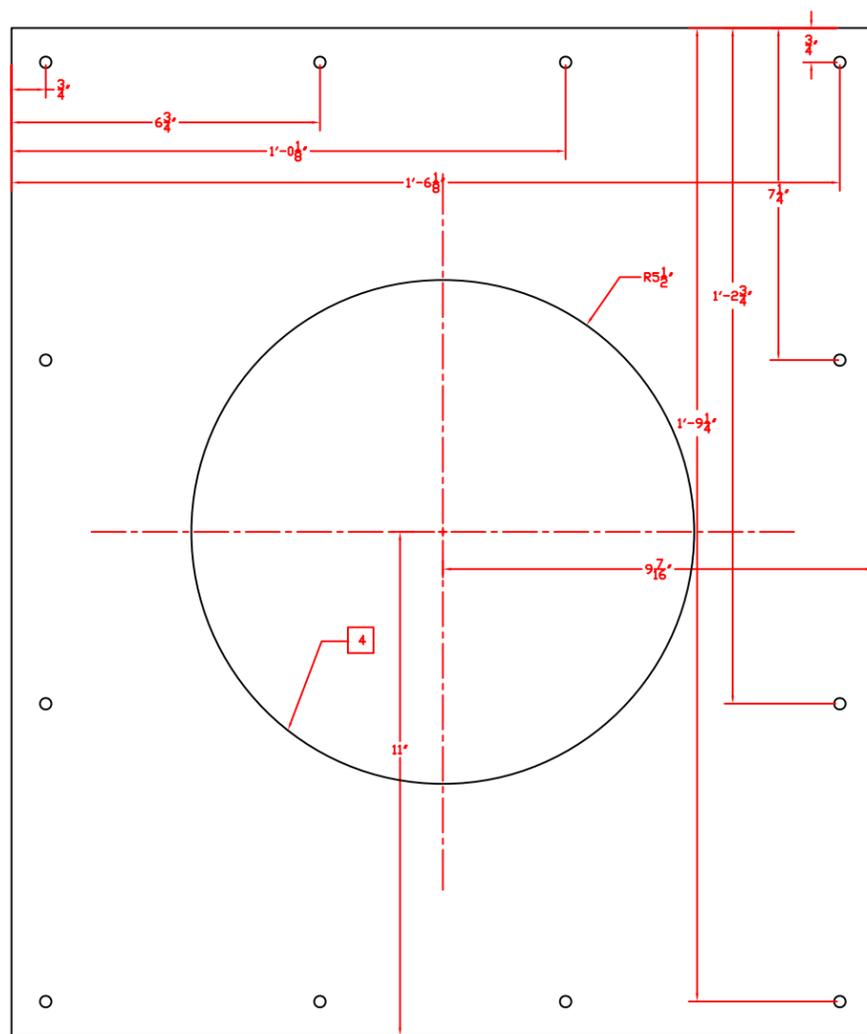


**Speaker Cabinet Back**

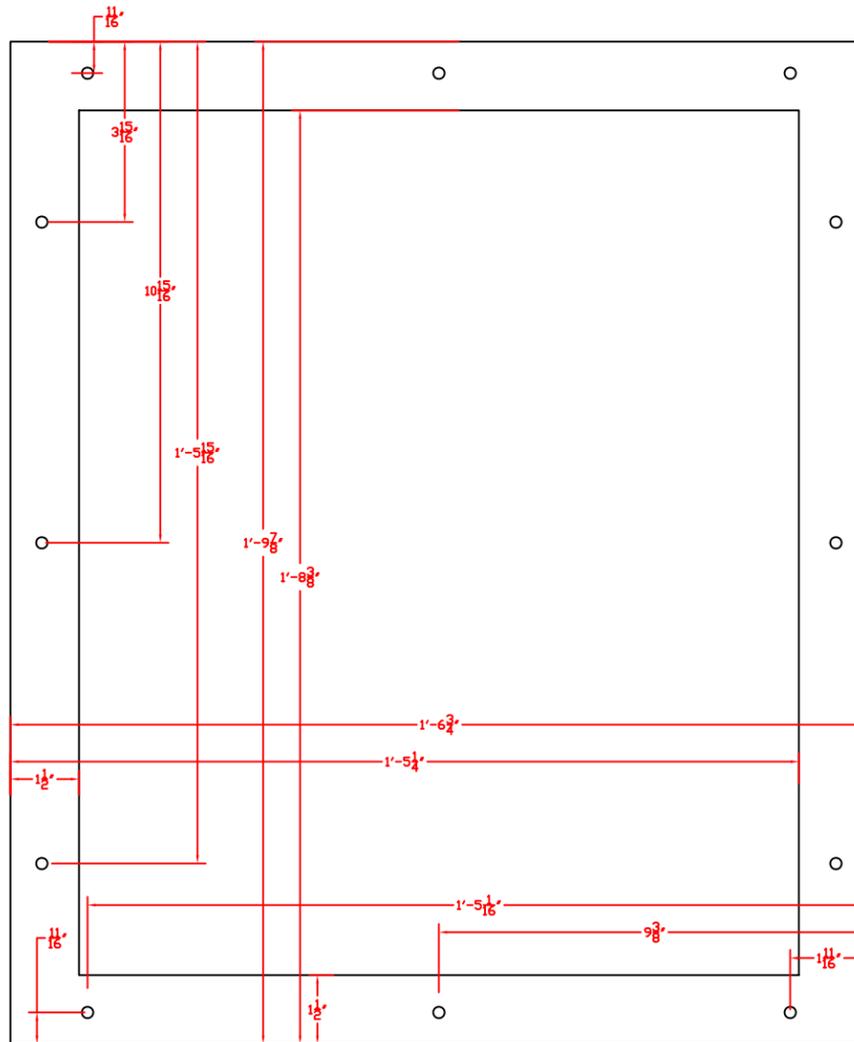
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**CABINET CONSTRUCTION NOTES:**

4 THE CUTOUT SHOWN IN THE SPEAKER BAFFEL HAS BEEN SIZED FOR A GENERIC SPEAKER. THE BUILDER IS ADVISED THAT THE SIZE OF THE CUTOUT, AS IT IS SHOWN, IS CORRECT FOR THE SPEAKER TO BE USED IN THE FINISHED CABINET, AND ADJUSTMENTS MADE IF IT IS NOT. NO HOLES HAVE BEEN SHOWN FOR THE SPEAKER MOUNTING FASTNERS AS THE HOLE LOCATIONS FOR THESE FASTNERS VARY FROM SPEAKER MFG. TO SPEAKER MFG. THE CORRECT LOCATIONS FOR THESE HOLES ARE LEFT UP TO THE BUILDER.

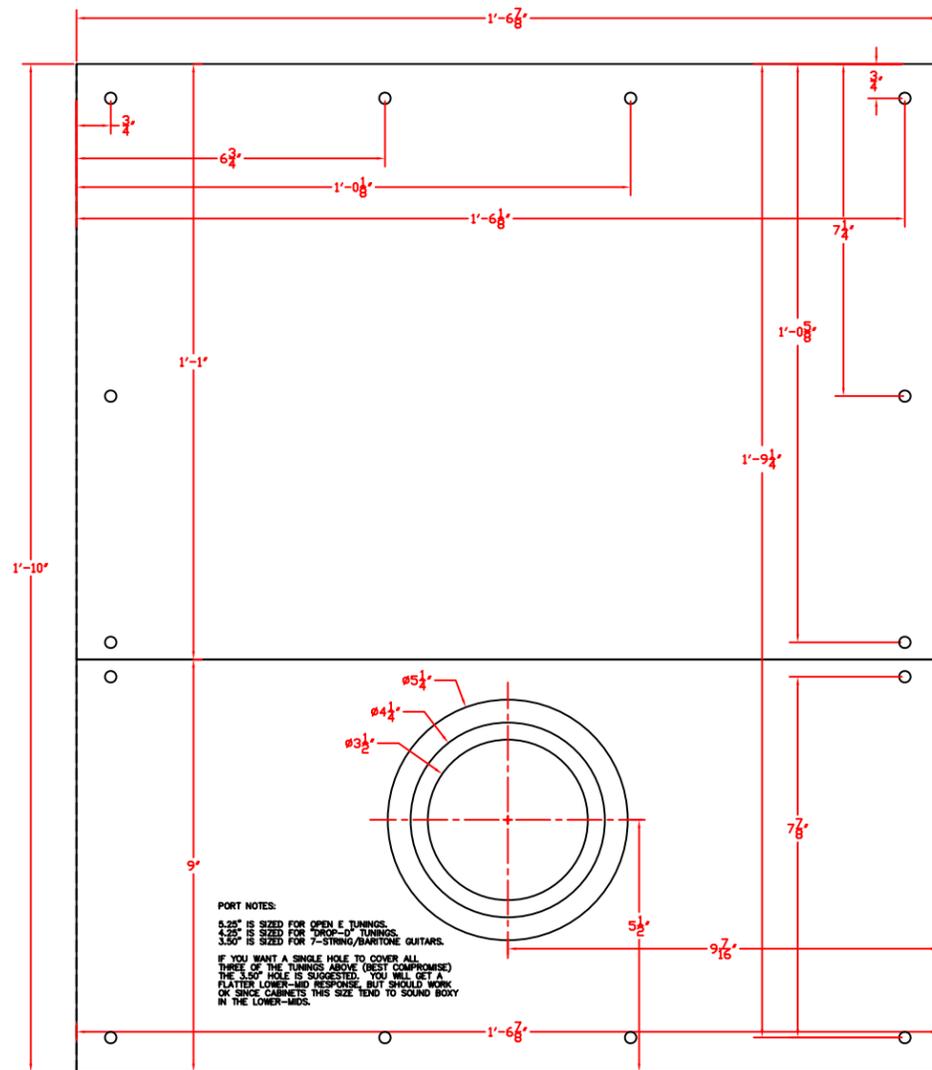


**Speaker Cabinet Front Baffle**

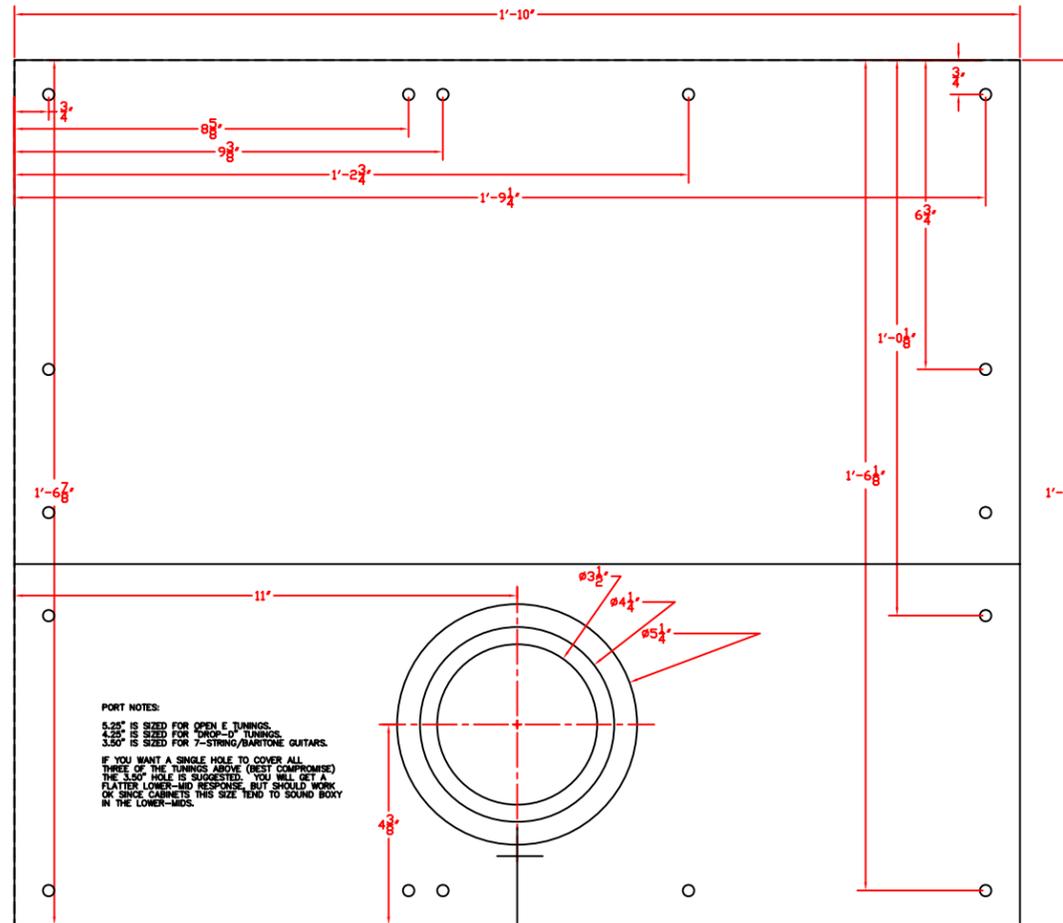


**Grille Cloth Frame**

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Vertically Oriented Speaker Cabinet Rear Panels



Horizontally Oriented Speaker Cabinet Rear Panels

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