

1974 STYLE CABINET PLANS

-REV 1.2-



MODULUS

Instructions:

Thanks to the guys at 18Watt.com .. the best resource for Marshall 18Watt amps ever!

These Drawings are inspired by the drawing created by Graydon Stuckey (GDS Amplification) and information posted by Erik.

For wood you need to use "void free" wood, this is normally high grade birch or mahogany ply or due to the recession MDF can be used... but it leaves the tone sounding cheap.

Solid wood can be used too, but again must be of suitable void free quality.. no knotted pine cabs allowed!

If you choose to ignore this and use industrial/building grade ply you will experience a buzzy sound that would get you kicked out of most heavy metal bands... or at least drive you up the wall. .. Trust me I have been up and down the wall several times.

Dimensions have been (mostly) shown in millimetres and inches, I find cabs built with the millimetres dimensions are clearer and less confusing. But I think that has to do with my metric approach to tonality. Experiment.

There are no screws/dowels/finger joints/dovetail joints shown. If you want a fancy joint you should have enough knowledge to modify the side panel length to suit. Wood dowels can easily be drilled and inserted , screws could be used.. some manufactures have been found to use finishing nails... either way make sure you have good clamps for holding the cab while gluing.

Check the dimensions of your chassis to ensure it will fit within the area allowed, if it does not fit you will need to adjust the mounting block positions.

REMEMBER: Think before you cut, and don't drink before you cut as you may loose a finger or two.

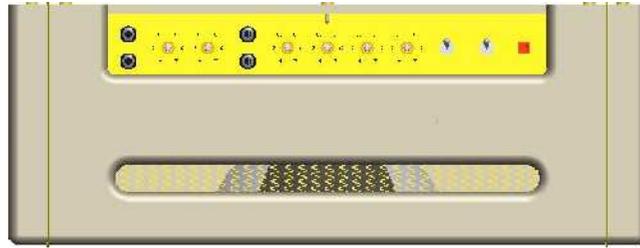
I will not be held responsibly for loss of limbs cause by cheap/faulty equipment or the wrong use of cheap/faulty equipment. ...and don't kill yourself.

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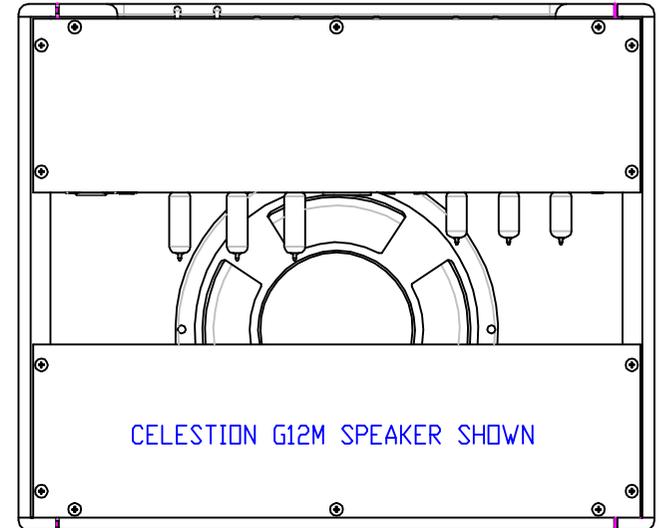
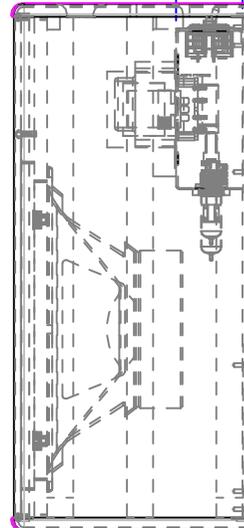
Any Questions or queries or corrections can be mailed to me at modulus-amp@uwclub.net.

Cheers

Mike



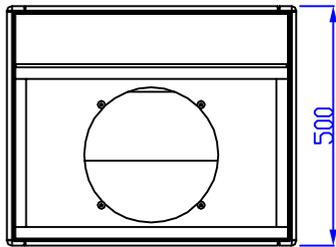
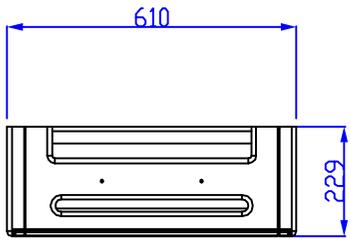
63.5 CHASSIS DEPTH -
ADJUST MOUNTING BLOCK
POSITION IF DIFFERENT



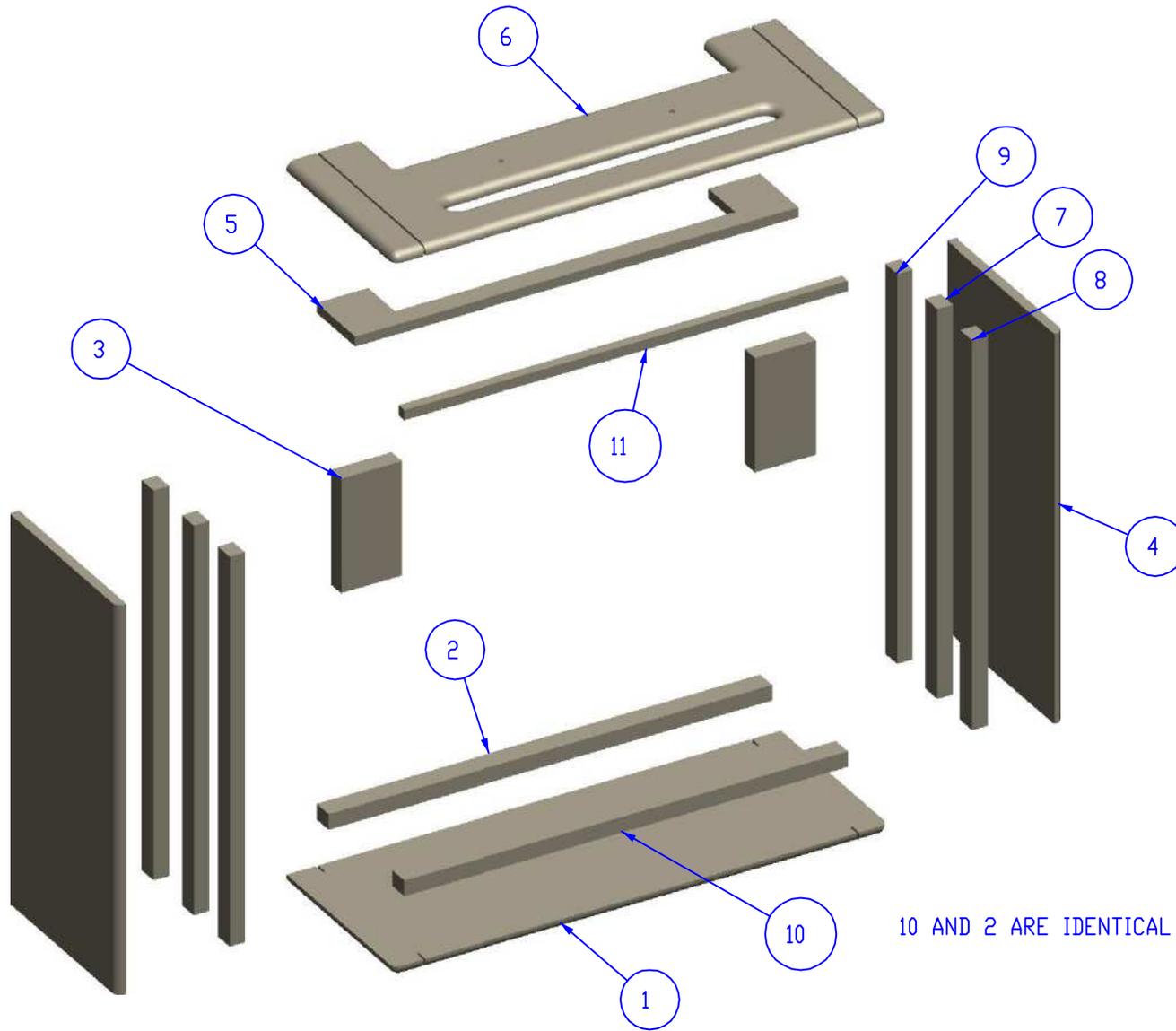
		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE		FINAL ASSEMBLY 1974 STYLE CABINET		DRAWN BY - M.MORTIMER DATE - 20/11/08
MATERIAL	SEE DETAILS	1974	ISSUE:	01X



VALENCE BOARD GLUED TO
BAFFLE BOARD BEFORE FINAL
ASSEMBLY



		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE		BOX ASSEMBLY 1974 STYLE COMBO CABINET		DRAWN BY - M.MORTIMER DATE - 20/11/08
MATERIAL	SEE DETAILS	1974-1	ISSUE:	01X

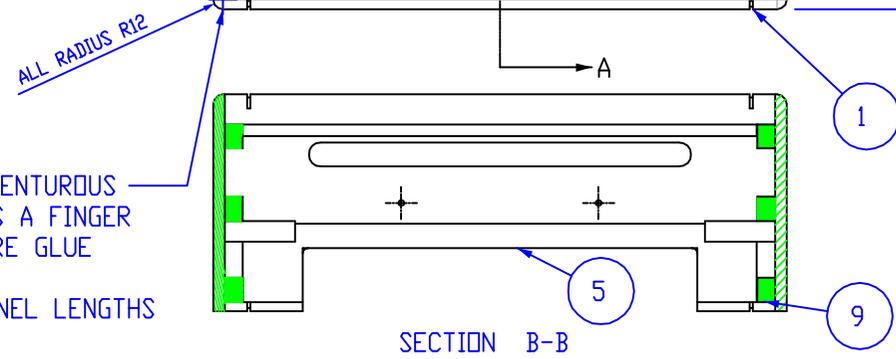
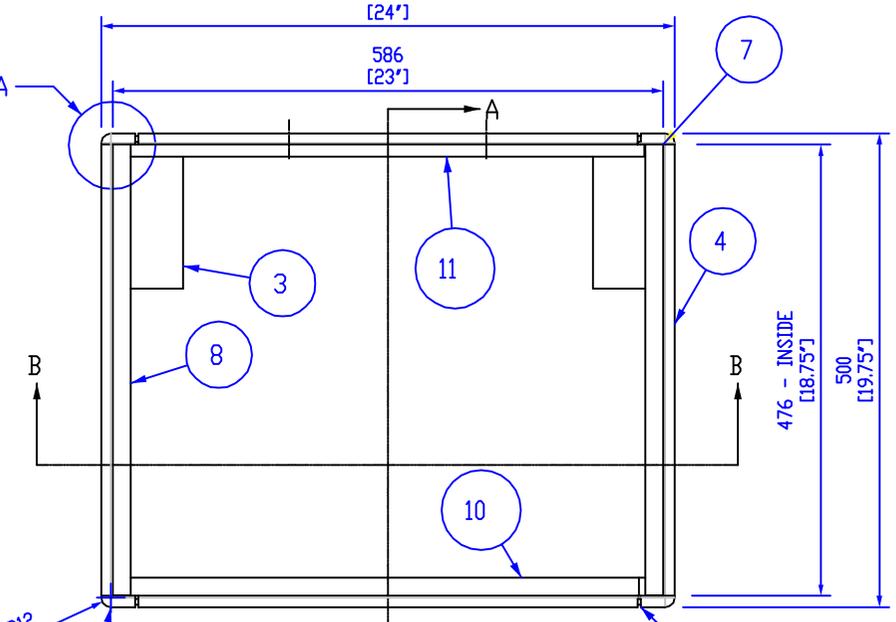
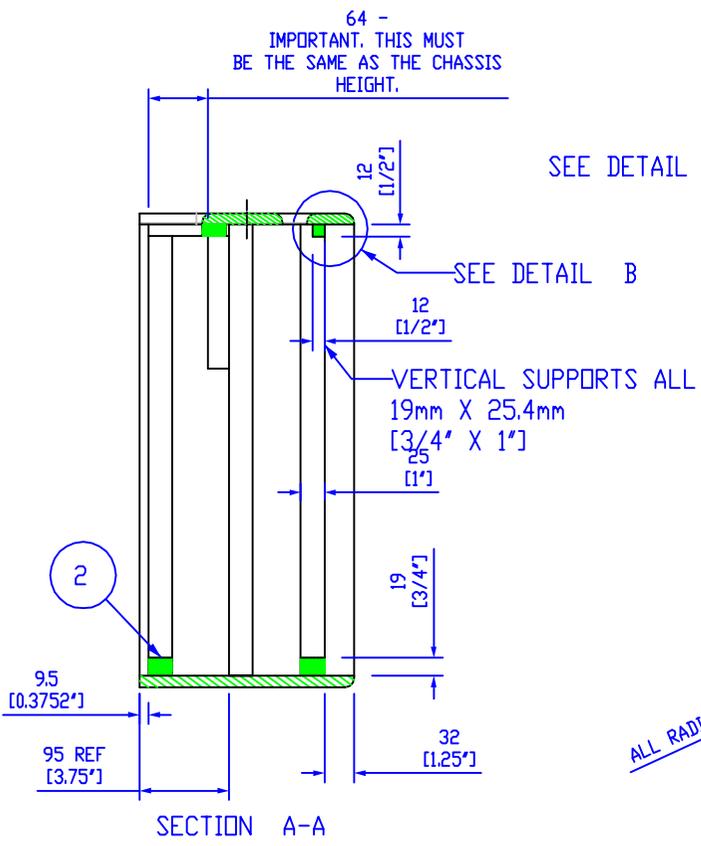
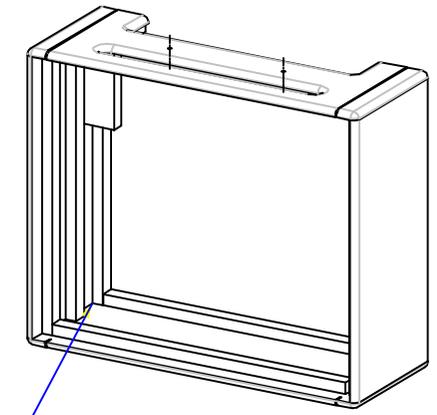
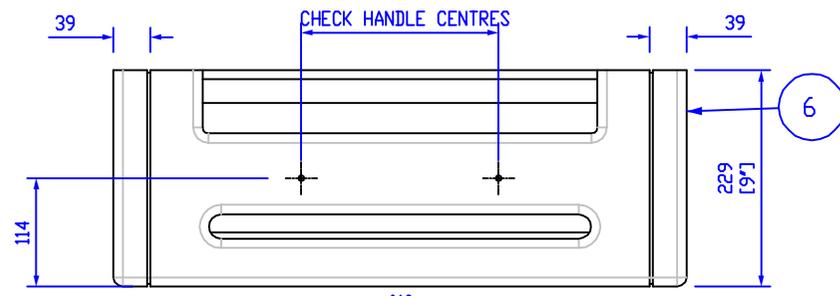
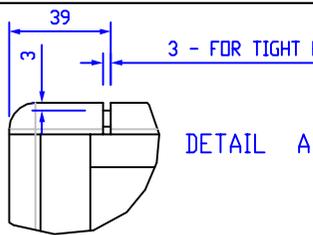
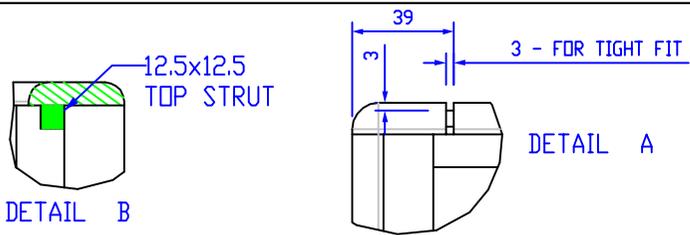


7, 8, AND 9 ARE IDENTICAL

10 AND 2 ARE IDENTICAL

ITEM	PART	QTY
1	BOTTOM-PANEL	1
2	HOR - BATON	1
3	CHASSIS BLOCK	2
4	SIDE_PANEL	2
5	SPACER-PANEL	1
6	TOP-PANEL	1
7	VERT - BATON	2
8	VERT - BATON	2
9	VERT - BATON	2
10	HOR-BATON	1
11	HOR-BATON - SMALL	1

		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE BOX EXPLODED VIEW 1974 STYLE COMBO CAB		DRAWN BY - M.MORTIMER DATE - 20/11/08		ISSUE:
MATERIAL	SEE DETAILS	DRAWING No. 1974-2		01X



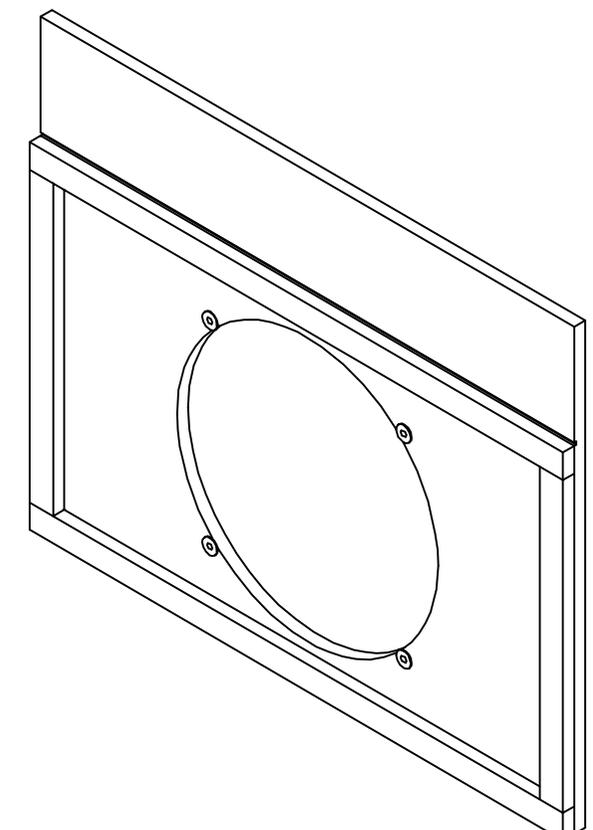
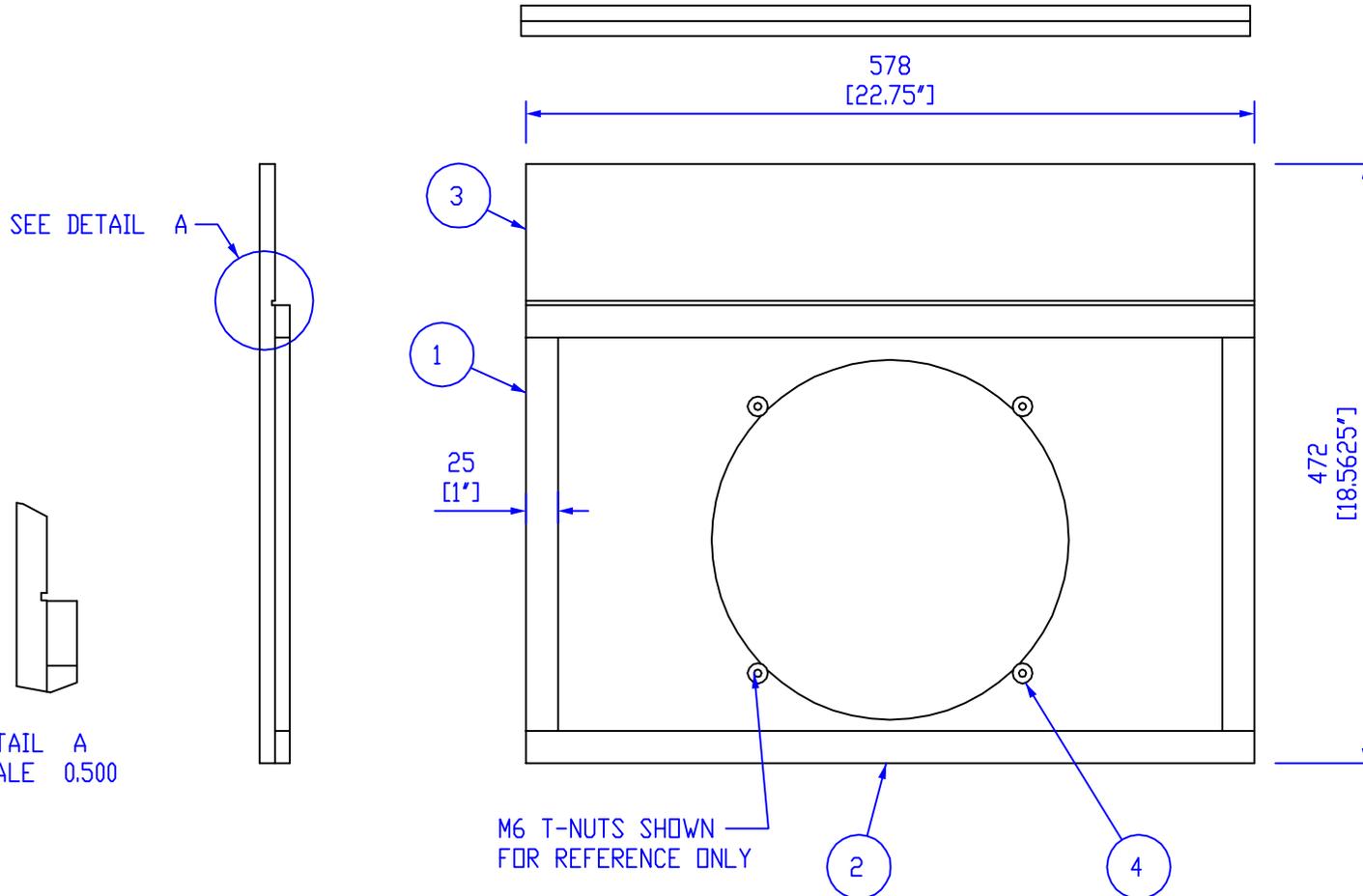
FOR THOSE MORE ADVENTUROUS
YOU COULD MAKE THIS A FINGER
JOINTED BOX FOR MORE GLUE
CONTACT AREA.
ADJUST VERTICAL PANEL LENGTHS
TO SUIT

ITEM	PART	QTY
1	BOTTOM-PANEL	1
2	HOR-BATON	1
3	CHASSIS BLOCK	2
4	SIDE_PANEL	2
5	CH SPACER BOARD	1
6	TOP-PANEL	1
7	VERT- BATON	2
8	VERT-BATON	2
9	VERT-BATON	2
10	HOR-BATON	1
11	TOP HOR-BATON	1

3rd ANGLE PROJ 		THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
		DRAWN BY - M.MORTIMER DATE - 20/11/08	
TITLE BOX ASSEMBLY 1974 STYLE COMBO CABINET		DRAWING No. 1974-3 ISSUE: 01X	
MATERIAL SEE DETAILS			

VALENCE BOARD SHOULD ONLY BE FITTED ONCE THE GRILL CLOTH HAS BEEN FITTED. DO NOT GLUE IT ON AS PART OF THIS ASSEMBLY

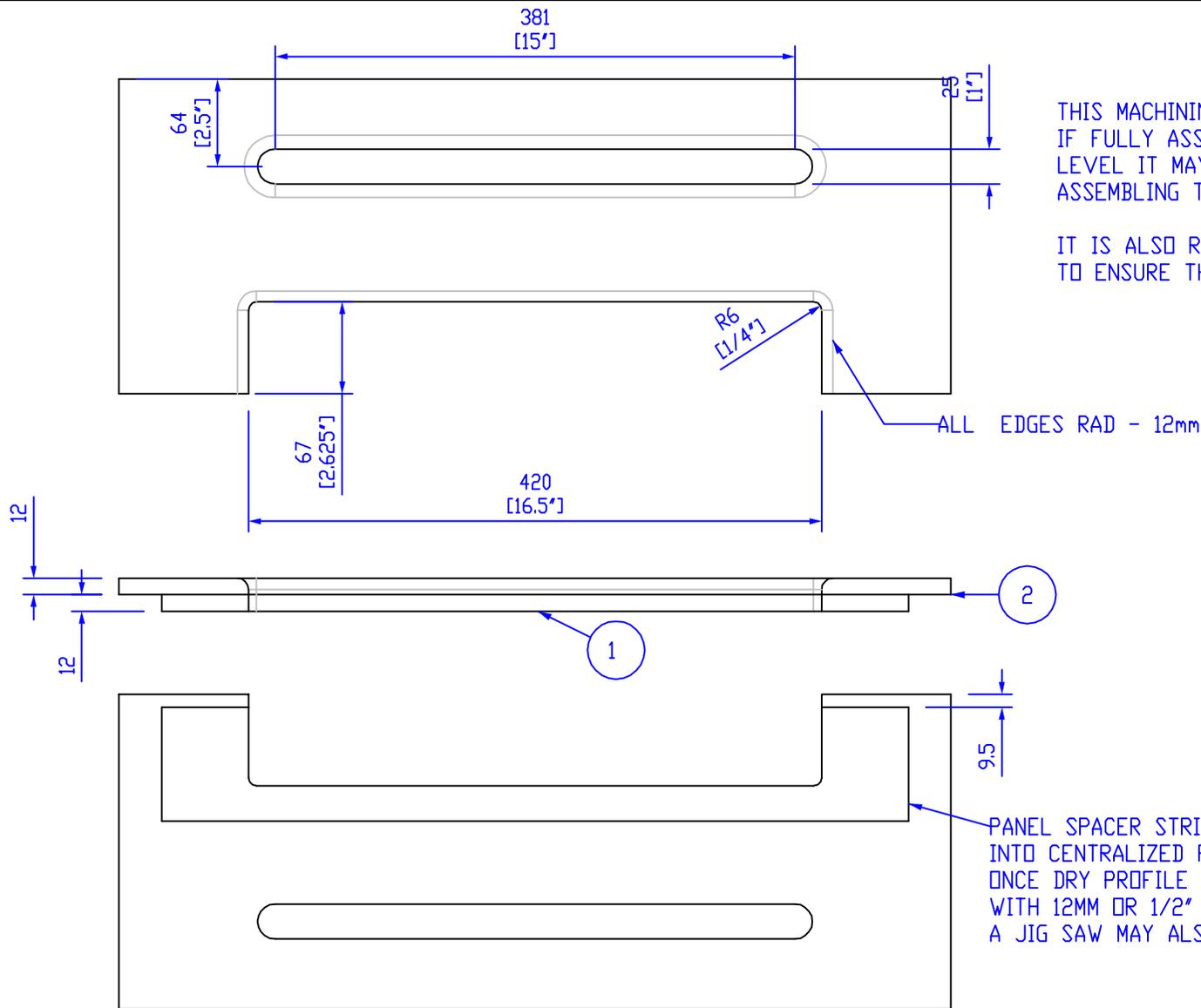
FOUR BAFFLE STRIPS GLUED TO BAFFLE BOARD TO SPACE GRILL CLOTH OFF MAIN BOARD AND ALIGN WITH VALENCE BOARD



DETAIL A
SCALE 0.500

ITEM	PART	QTY
1	BAFFLESTRIP	2
2	BAFFLESTRIP	2
3	BAFFLE BOARD	1
4	M6-TNUT	4

		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE BAFFLE ASSEMBLY 1974 STYLE COMBO CAB		DRAWN BY - M.MORTIMER DATE - 20/11/08		
MATERIAL	SEE DETAILS	DRAWING No. 1974-4	ISSUE: 01X	



THIS MACHINING CAN BE DONE ONCE THE CABINET IS FULLY ASSEMBLED, HOWEVER DEPENDING ON SKILL LEVEL IT MAY BE BETTER TO COMPLETE THE CUT OUTS BEFORE ASSEMBLING THE CABINET IN CASE ANY BLUNDERS OCCUR.

IT IS ALSO RECOMMENDED TO USE SUITABLE GUIDES AND JIGS TO ENSURE THE ROUTER STAYS TRUE TO THE CUTLINE.

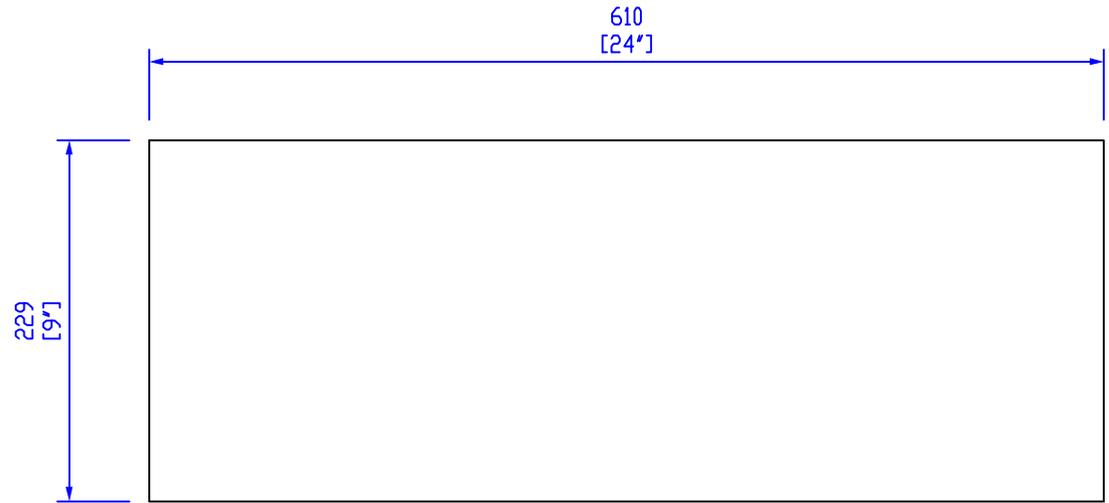
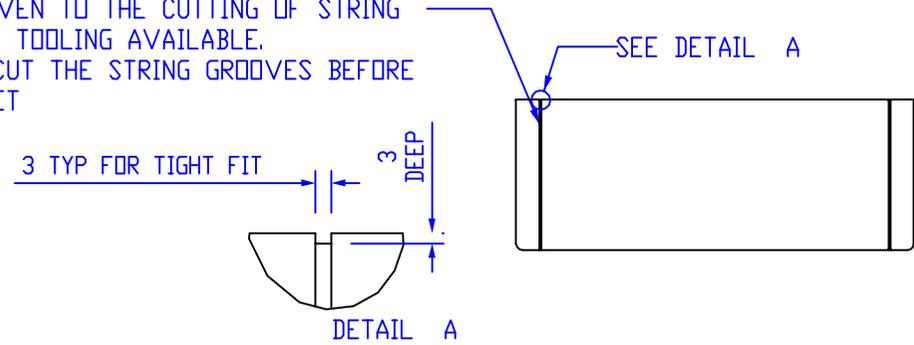
ALL EDGES RAD - 12mm

PANEL SPACER STRIP GLUED AND CLAMPED INTO CENTRALIZED POSITION. ONCE DRY PROFILE SHAPE CAN BE MACHINE OUT USING A ROUTER WITH 12MM OR 1/2" CUTTER. A JIG SAW MAY ALSO BE USED, GIVING SQUARED CORNERS.

ITEM	PART	QTY
1	SPACER BOARD	1
2	TOP-PANEL	1

		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE		DRAWN BY		ISSUE
TOP MACHINING DETAILS		- M.MORTIMER		
1974 STYLE COMBO CAB		DATE		
		- 20/11/08		
MATERIAL		DRAWING No.		
SEE DETAILS		1974-5		01X

THOUGHT SHOULD BE GIVEN TO THE CUTTING OF STRING GROOVES DEPENDING ON TOOLING AVAILABLE. IT MAY BE EASIER TO CUT THE STRING GROOVES BEFORE ASSEMBLING THE CABINET

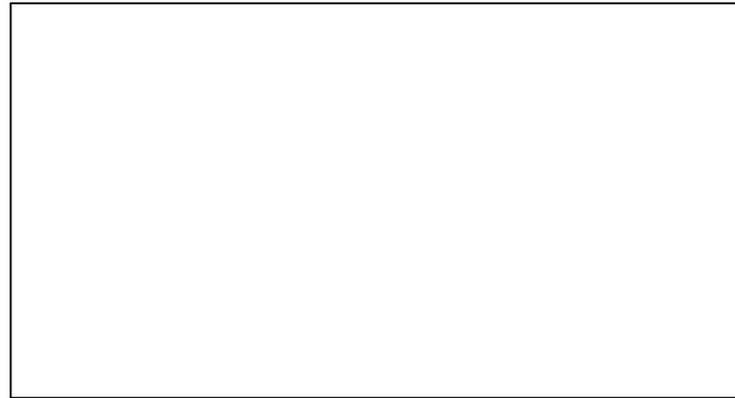


		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE		BOTTOM PANEL 1974 STYLE CABINET		DRAWN BY - M.MORTIMER DATE - 20/11/08
MATERIAL	SEE DETAILS	1974-6	ISSUE:	01X

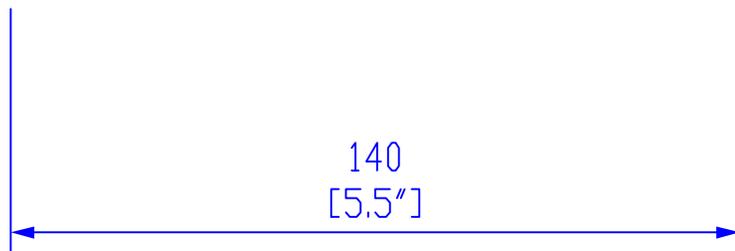


22
[0.875"]

MATERIAL THICKNESS CAN BE REDUCED TO 19mm [3/4"]
HOWEVER THE POSITION OF THE VERTICAL STRUTS ON
THE COMBO ASSEMBLY MUST BE ADJUSTED TO SUIT THE
NEW BLOCK THICKNESS AND CHASSIS THICKNESS



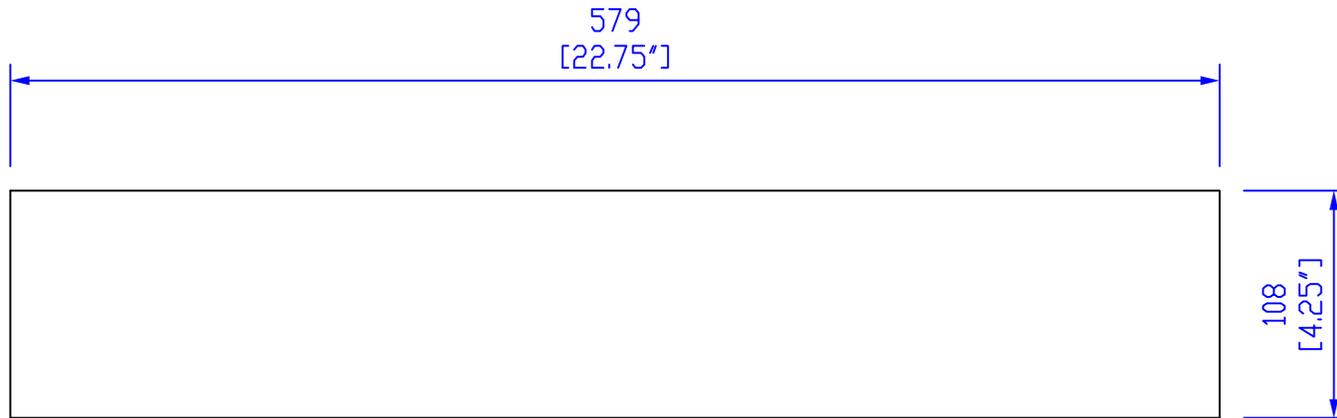
75
[3"]



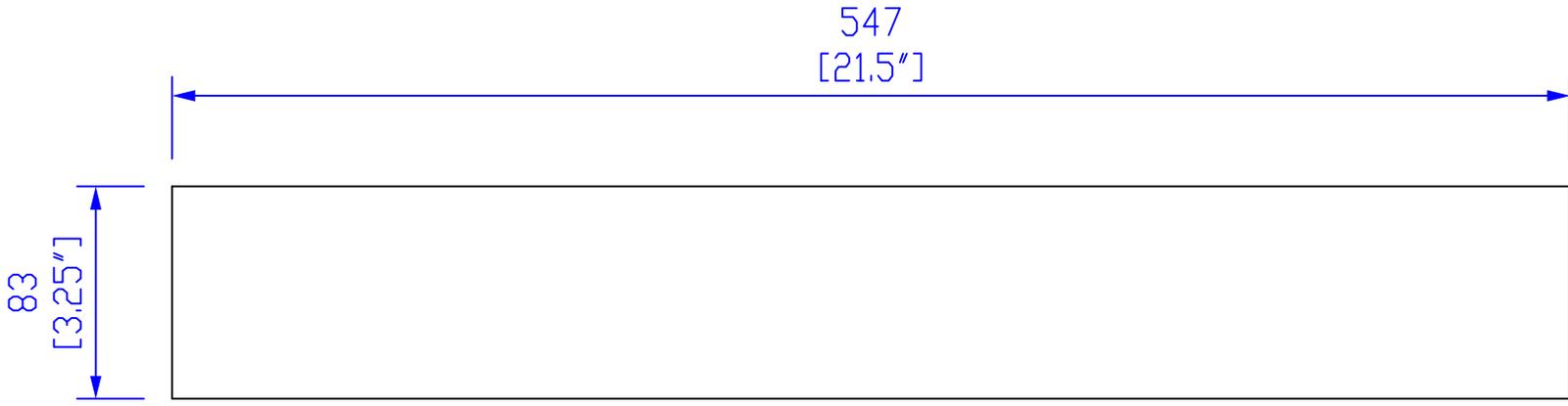
140
[5.5"]

2 REQUIRED

		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE		CHASSIS MOUNTING BLOCK 1974 STYLE COMBO CABINET		DRAWN BY - M.MORTIMER DATE - 20/11/08
MATERIAL	SEE DETAILS	1974-7	ISSUE:	01X

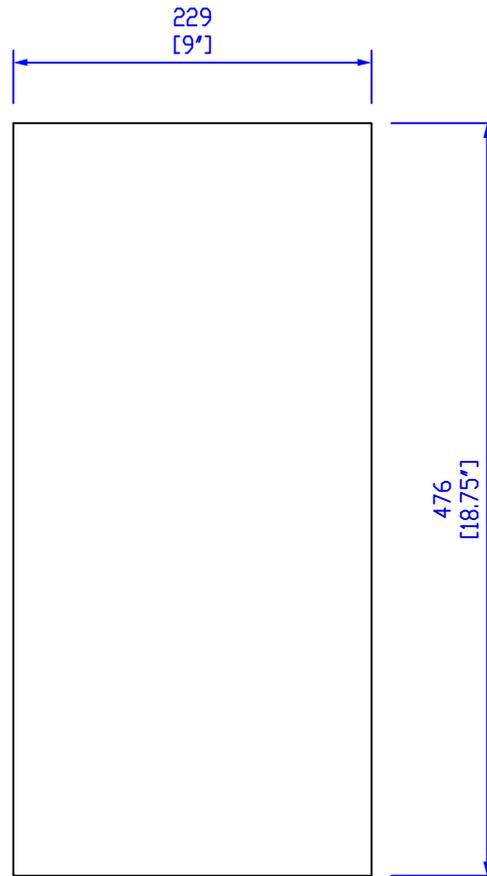


		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE		VALENCE PANEL 1974 STYLE COMBO CABINET		DRAWN BY - M.MORTIMER DATE - 20/11/08
MATERIAL	SEE DETAILS	DRAWING No.	1974-8	ISSUE: 01X



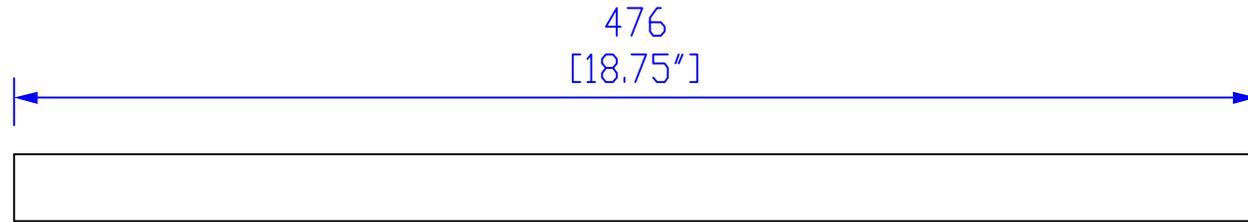
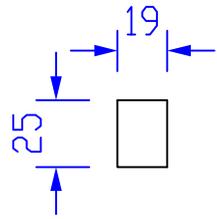
1 - REQUIRED
THIS PART IS MACHINED TO SHAPE AFTER GLUEING TO TOP PANEL

		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE		PANEL SPACER STRIP, 1974 STYLE COMBO CAB		DRAWN BY - M.MORTIMER DATE - 20/11/08
MATERIAL	SEE DETAILS	1974-9	ISSUE:	01X

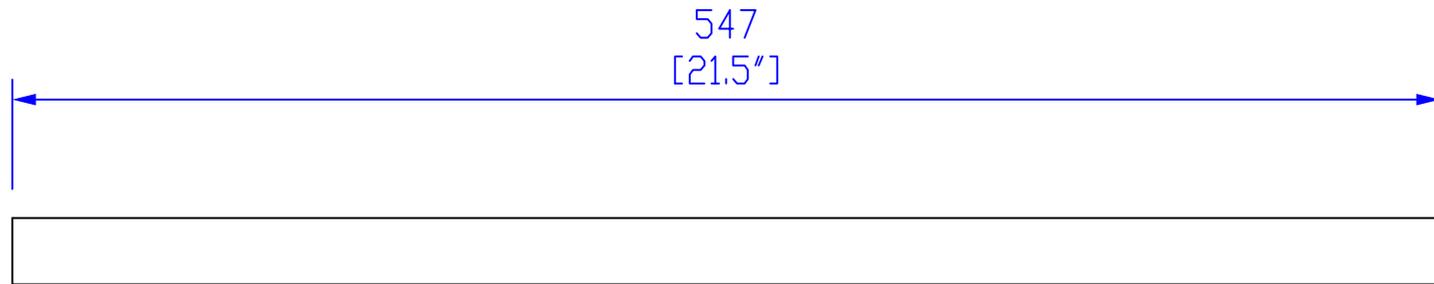
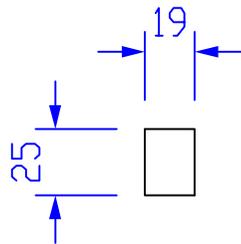


2 - REQUIRED

		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE		SIDE PANEL 1974 STYLE CABINET		DRAWN BY - M.MORTIMER DATE - 20/11/08
MATERIAL	SEE DETAILS	1974-10	ISSUE:	01X

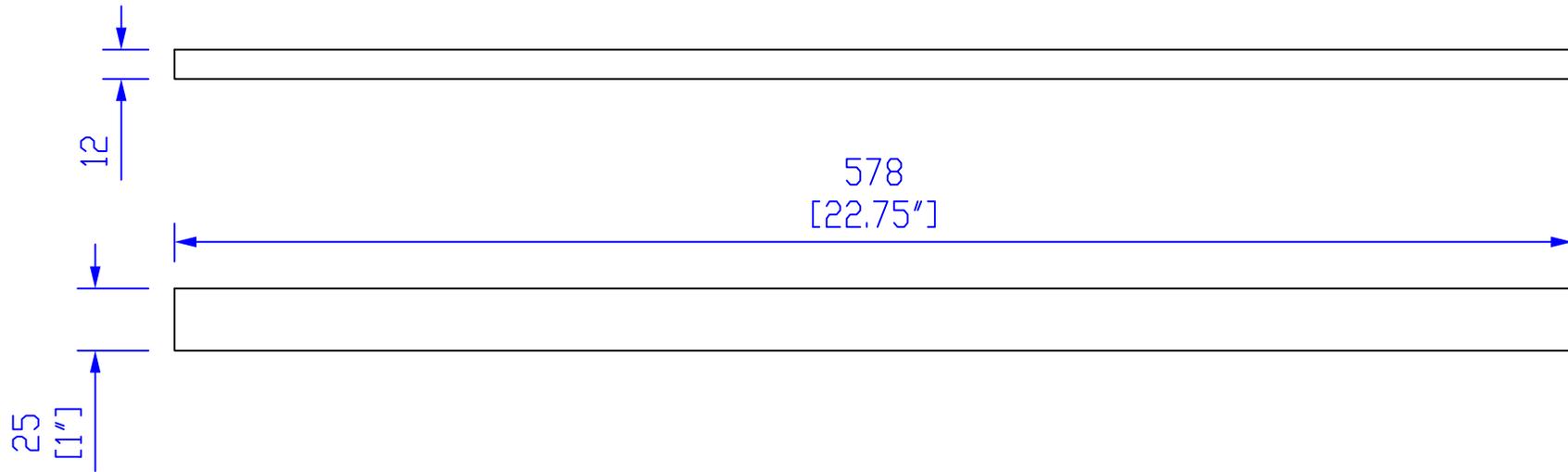


VERTICAL BATONS - 6 THIS LENGTH REQUIRED



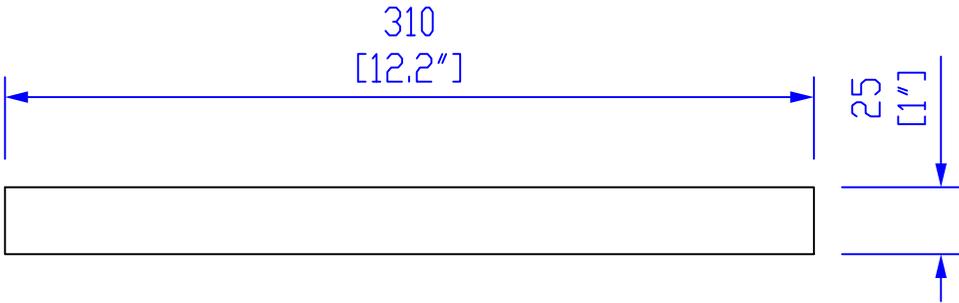
HORIZONTAL BATONS - 2 REQUIRED

		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE BATONS 1974 STYLE COMBO CAB		DRAWN BY - M.MORTIMER DATE - 20/11/08		
MATERIAL SEE DETAILS		DRAWING No. 1974-11	ISSUE 01X	



2 REQUIRED

		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE		BAFFLE STRIP - LONG 1974 STYLE COMBO CAB		DRAWN BY - M.MORTIMER DATE - 20/11/08
MATERIAL	SEE DETAILS	1974-12	ISSUE: 01X	

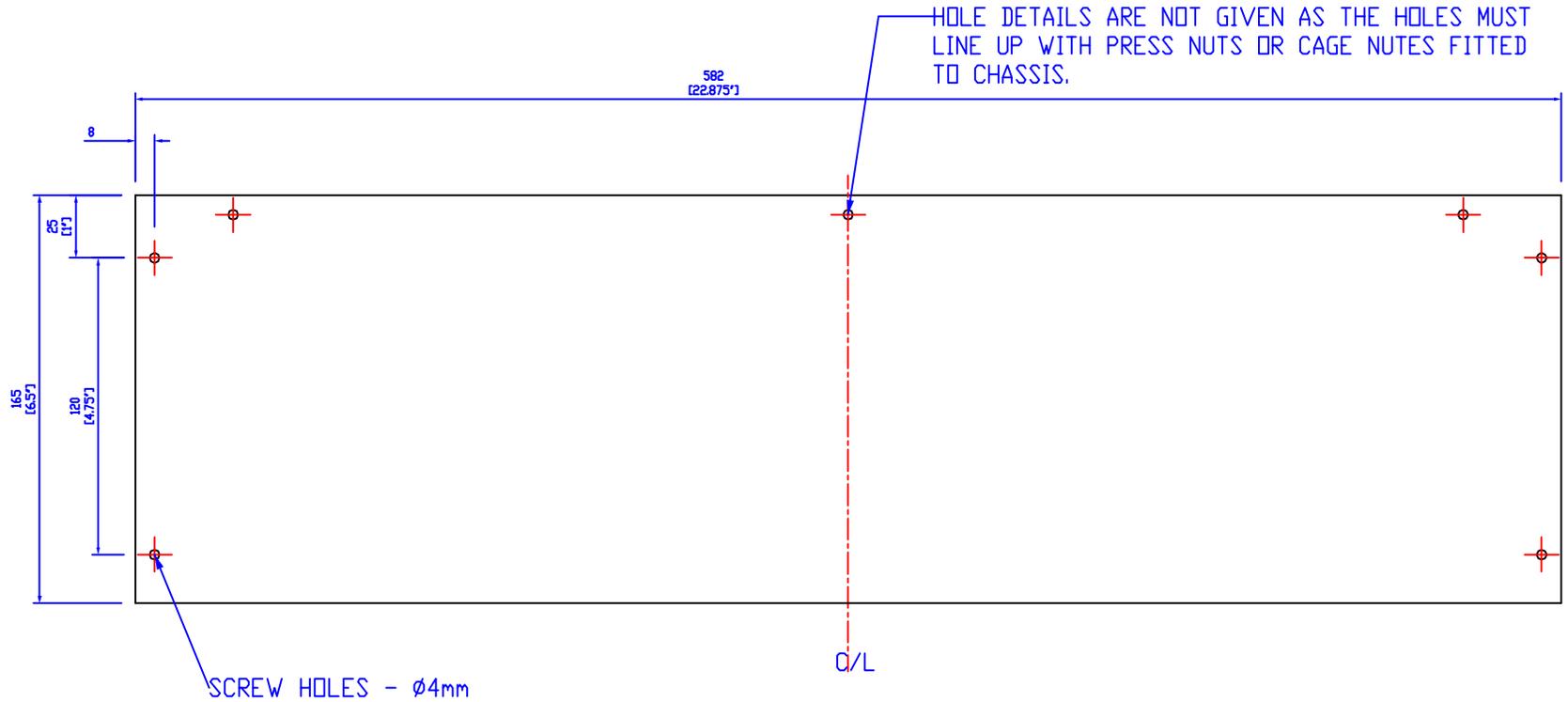


		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE		BAFFLE STRIP - SHORT 1974 STYLE COMBO CAB		DRAWN BY - M.MORTIMER DATE - 20/11/08
MATERIAL	SEE DETAILS	DRAWING No. 1974-13		ISSUE: 01X

IMPORTANT:
CHECK YOUR OVERALL CHASSIS
DIMENSION TO ENSURE 152MM IS
SUFFICIENT TO FULLY CLOSE OFF
CHASSIS REAR.

IF NOT - THE 165mm SIZE MUST BE
INCREASED TO AT LEAST YOUR
CHASSIS WIDTH + 13mm [1/2"]

THIS ONLY APPLIES TO THE TOP
PANEL



2 - REQUIRED

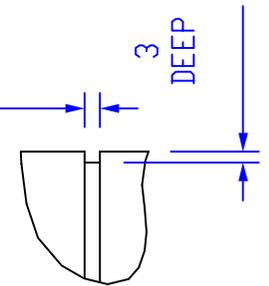
		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE TOP AND BOTTOM REAR COVERS 1974 STYLE CABINET		DRAWN BY - M.MORTIMER DATE - 20/11/08		ISSUE:
MATERIAL	SEE DETAILS	DRAWING No. 1974-14		01X

THOUGHT SHOULD BE GIVEN TO THE CUTTING OF STRING GROOVES DEPENDING ON TOOLING AVAILABLE. IT MAY BE EASIER TO CUT THE STRING GROOVES BEFORE ASSEMBLING THE CABINET

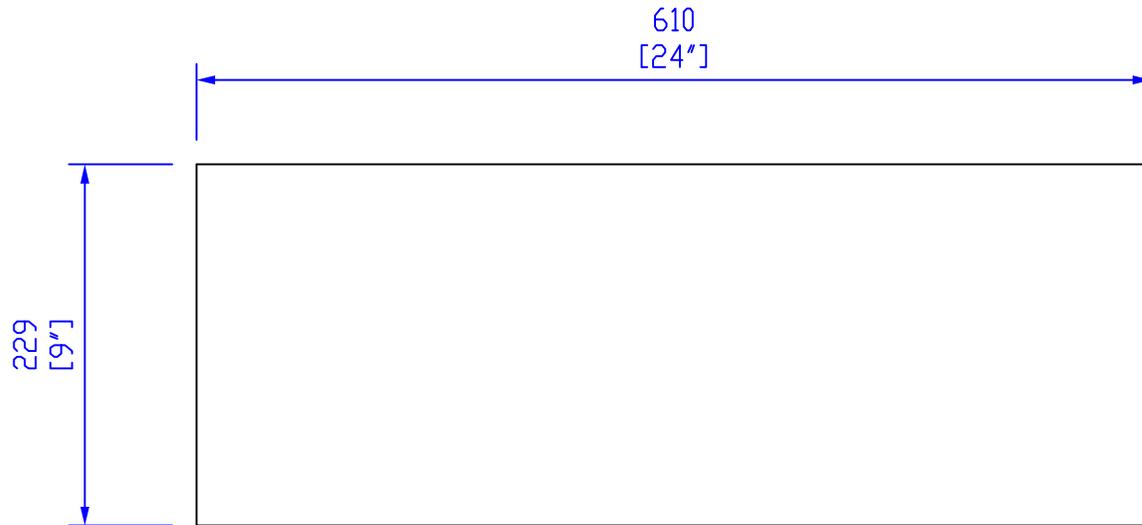
SEE DETAIL A



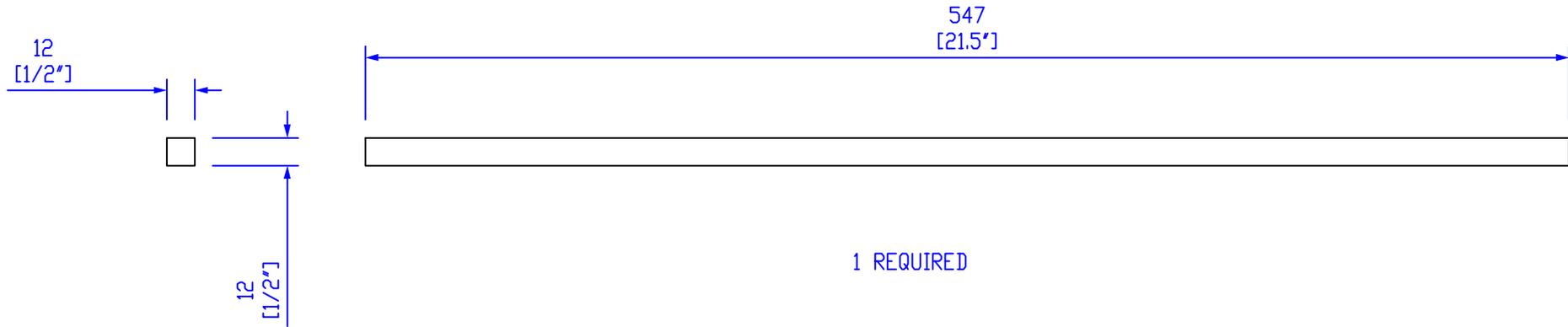
3 TYP FOR A TIGHT FIT
CHECK DIAMETER OF STRING
BEING USED AND THICKNESS
OF COVERING



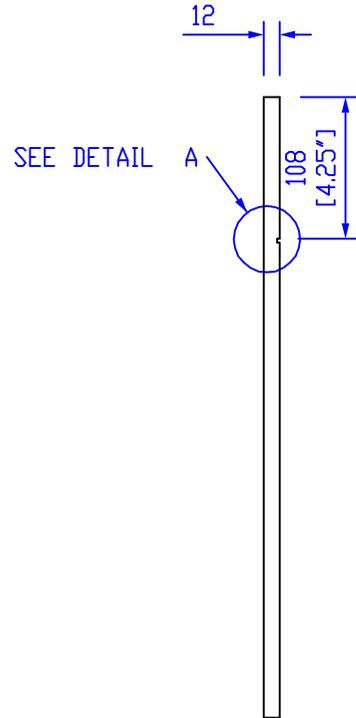
DETAIL A



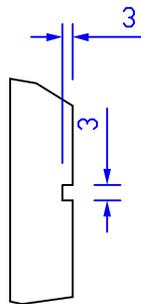
		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE TOP PANEL 1974 STYLE CABINET		DRAWN BY - M.MORTIMER DATE - 20/11/08		
MATERIAL	SEE DETAILS	DRAWING No. 1974-15	ISSUE 01X	



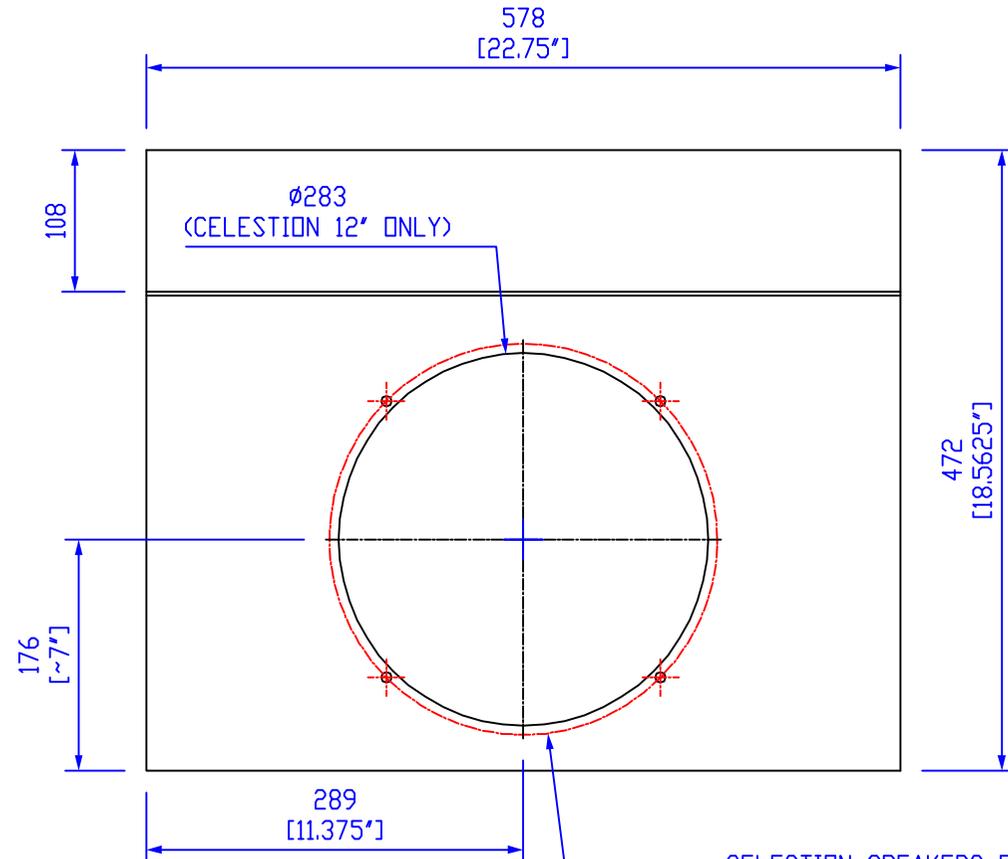
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TITLE TOP BATON 1974 STYLE COMBO CAB		DRAWN BY - M.MORTIMER DATE - 20/11/08		
MATERIAL SEE DETAILS	DRAWING No. 1974-16		ISSUE: 01X	



DETAIL A



SLOT CUT INTO BAFFLE TO ALLOW FOR WINGED PIPING. THIS MAY NOT BE NECESSARY, BUT CAN HELP WHEN ALIGNING THE BAFFLE STRIPS.



CELESTION SPEAKERS ONLY:
 Ø297 4 MOUNTING HOLES EQUAL SPACED
 ON PCD 297mm.

DEPENDING ON METHOD OF MOUNTING THE
 SPEAKER THE HOLE DIAMETER SHOULD BE
 DRILLED TO SUIT T-NUTS OR MOUNTING SCREWS

		3rd ANGLE PROJ 	THIS DRAWING IS THE PROPERTY OF MODULUS AMPLIFICATION AND MUST NOT BE REPRODUCED OR LOANED WITHOUT WRITTEN PERMISSION	
TITLE		BAFFLE BOARD		DRAWN BY - M.MORTIMER
		1974 STYLE COMBO CABINET		DATE - 20/11/08
MATERIAL	SEE DETAILS	DRAWING No.	1974-7	ISSUE: 01X