

# Lavoce



SUGGESTED DESIGN

## BASSLINE 121RN

1 x 21" BASS REFLEX



SAN214.50  
1700 W AES

[WWW.LAVOCESPEAKERS.COM](http://WWW.LAVOCESPEAKERS.COM)



Lavoce Italiana

[support@lavocespeakers.com](mailto:support@lavocespeakers.com)

# CABINET CONSTRUCTION

Lavoce

## OVERVIEW



- NET CABINET VOLUME l (ft<sup>3</sup>): 289,2 (10.2)
- SUGGESTED TYPE OF WOOD: BALTIC BIRCH PLYWOOD (18mm thickness)
- THE FRONT Baffle CONSISTS OF TWO PANELS, GLUED TOGETHER, WHEN COMBINING THE TWO PANELS, THE GLUE SHOULD BE UNIFORMLY DISTRIBUTED ALL OVER THE SURFACE, IN ORDER TO REDUCE CABINET RESONANCES.
- OTHER CONSTRUCTION DETAILS (CONNECTORS, HANDLING, WHEELS, ETC.) ARE THE USER'S CHOICE



rev\_B.a

SUGGESTED DESIGN

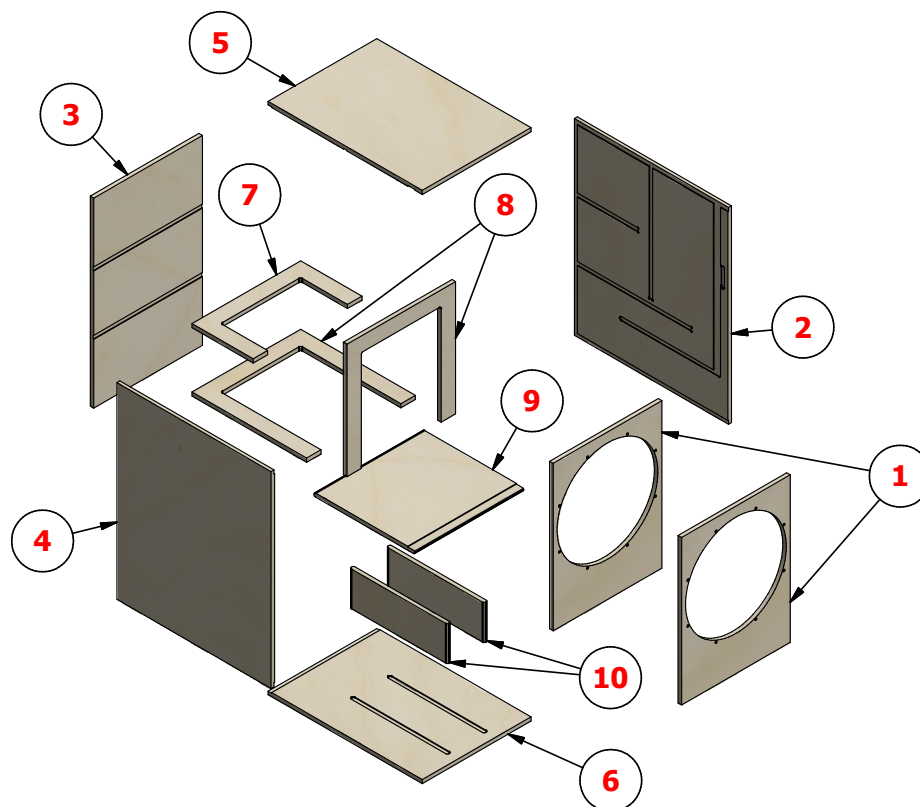
BASSLINE 121RN

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# CABINET CONSTRUCTION

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## EXPLODED VIEW



**NOTE:** the project has been conceived to maximize the performance of the cabinet, therefore the coupling of the panels is made by milling. If a different coupling method is used, the size of the internal panels must be recalculated

ITEM N°	QTY	DESCRIPTION	PAGE
1	2	FRONT BAFFLE	3
2	1	SIDE PANEL - RIGHT	4
3	1	BACK PANEL	5
4	1	SIDE PANEL - LEFT	6
5	1	TOP PANEL	7
6	1	BOTTOM PANEL	8
7	1	SHORT BRACKET	9
8	2	LONG BRACKET	10
9	1	HORIZONTAL DUCT	11
10	2	VERTICAL DUCT	12

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SUGGESTED DESIGN

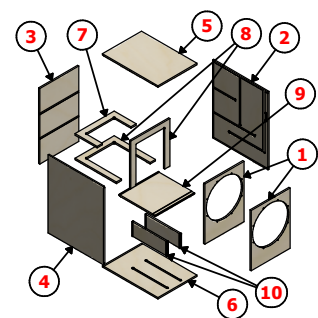
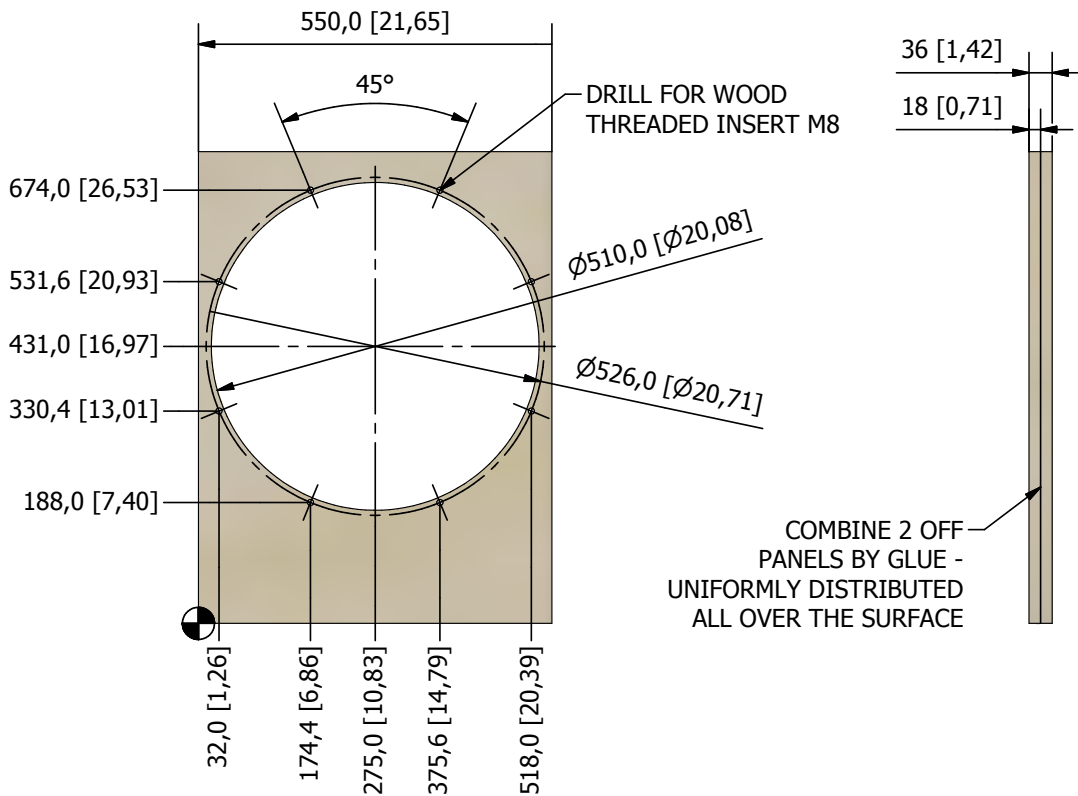
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# CABINET CONSTRUCTION

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## ITEM 1 - FRONT Baffle



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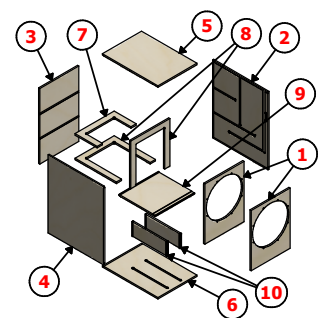
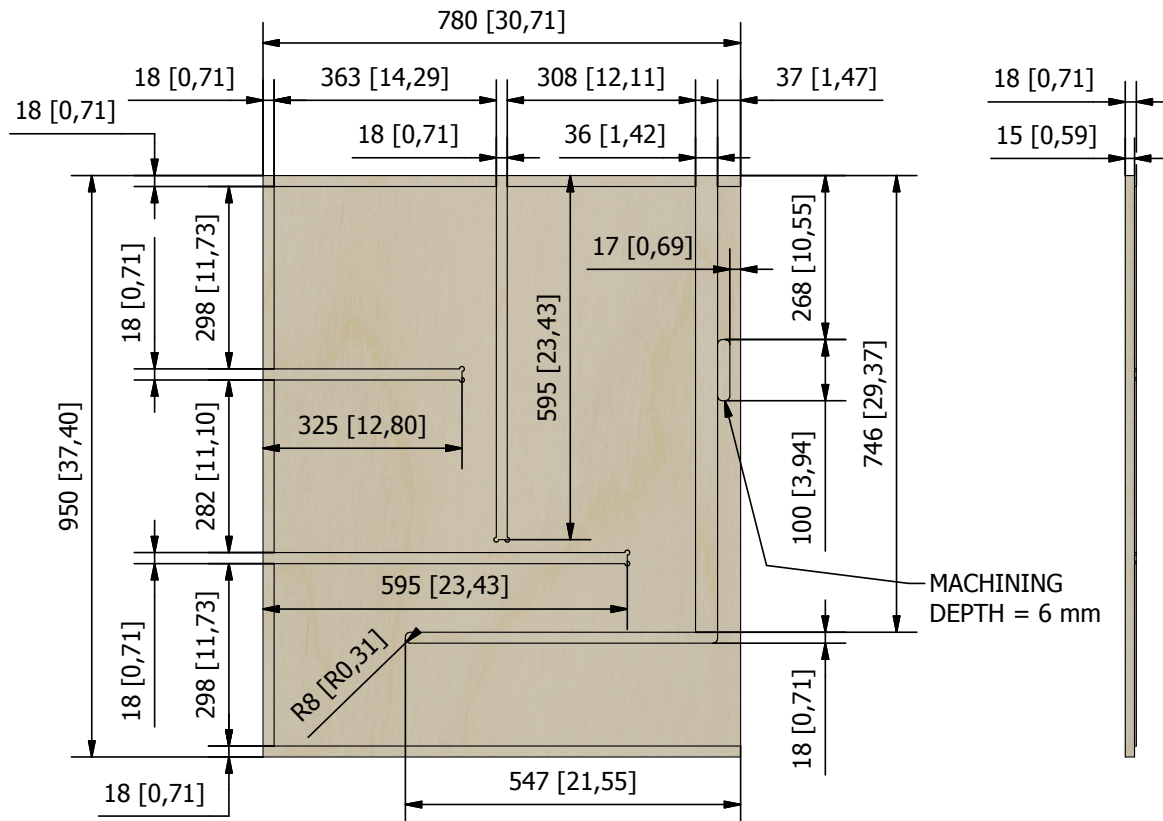
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# CABINET CONSTRUCTION

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## ITEM 2 - SIDE PANEL - RIGHT



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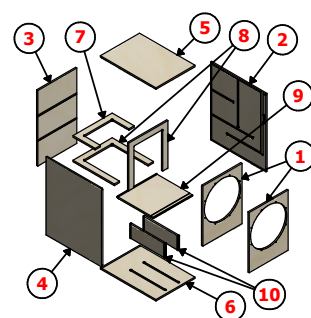
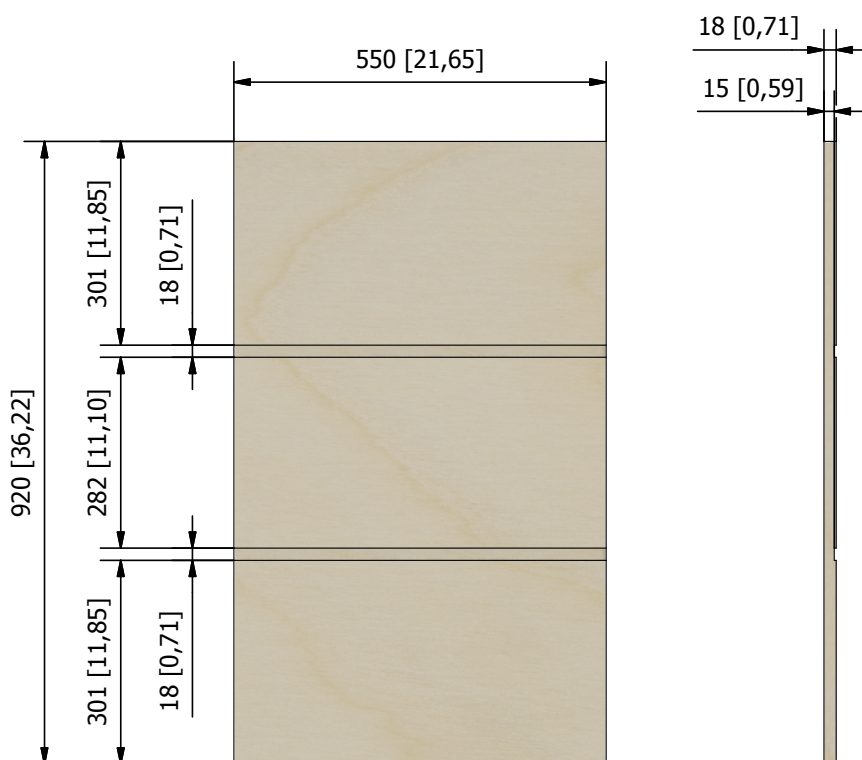
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# CABINET CONSTRUCTION

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## ITEM 3 - BACK PANEL



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SUGGESTED DESIGN

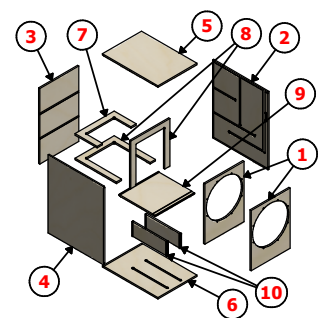
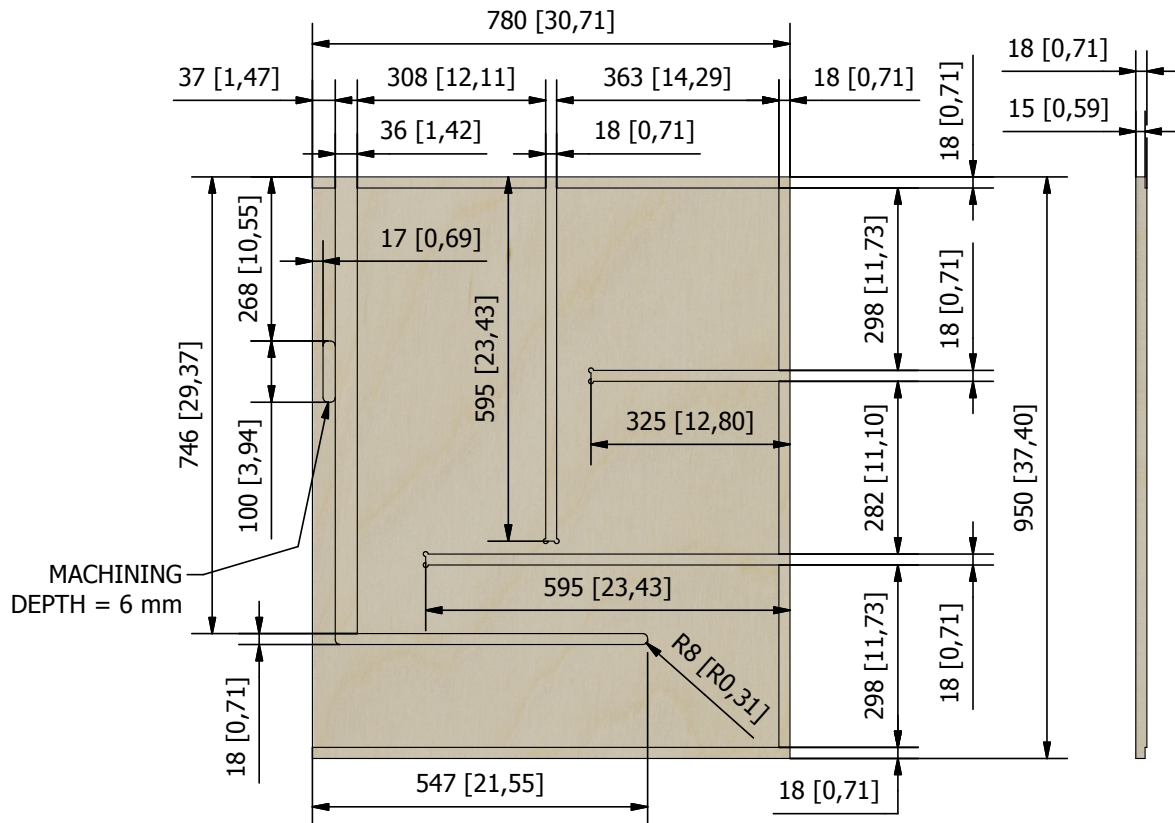
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# CABINET CONSTRUCTION

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## ITEM 4 - SIDE PANEL - LEFT



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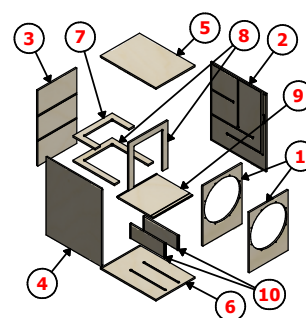
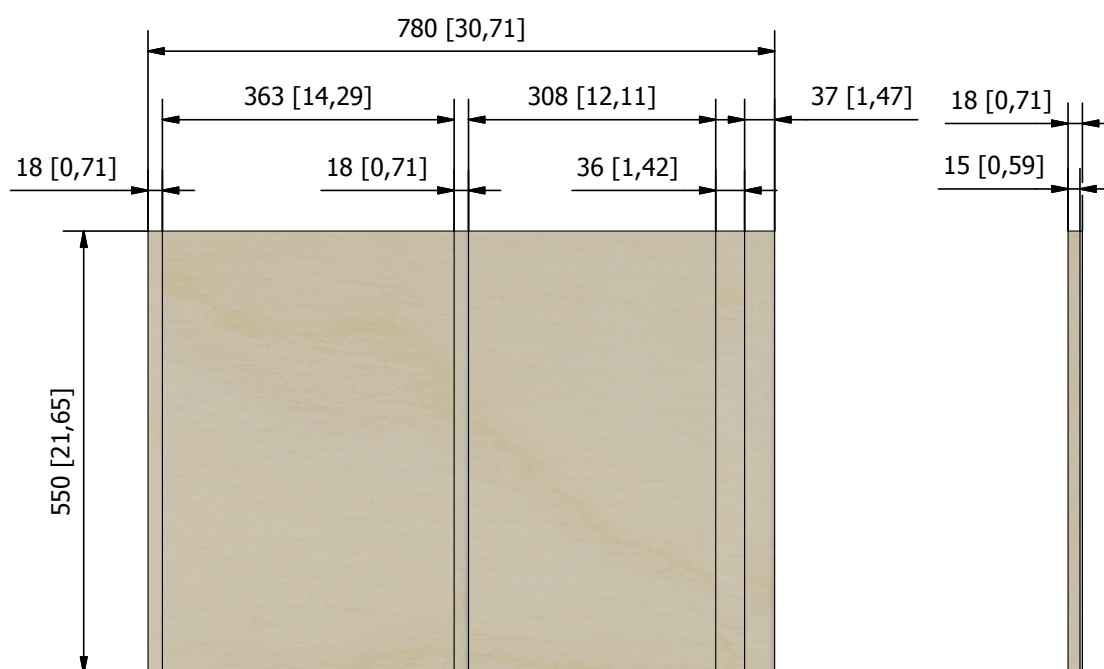
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# CABINET CONSTRUCTION

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## ITEM 5 - TOP PANEL



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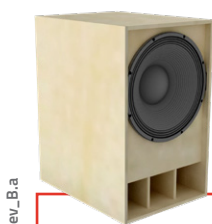
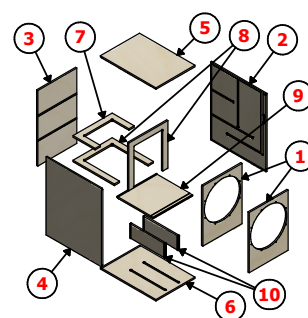
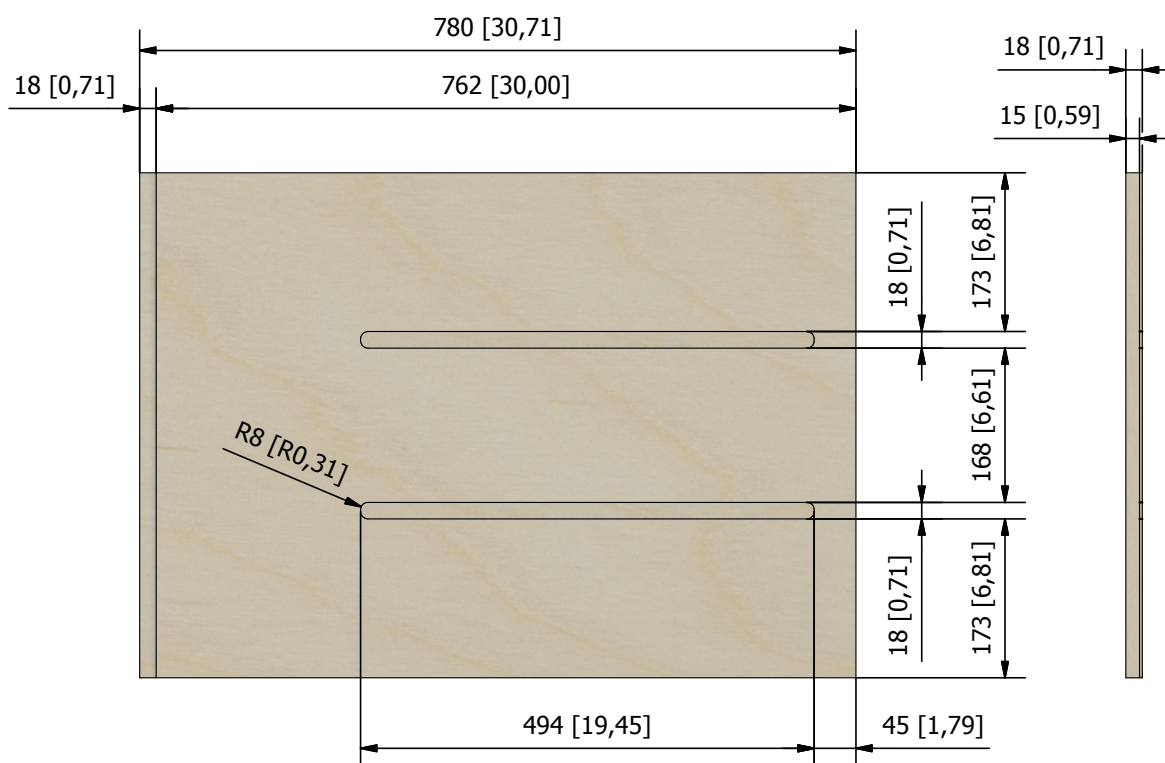
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# CABINET CONSTRUCTION

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## ITEM 6 - BOTTOM PANEL



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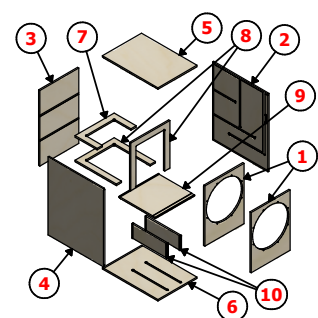
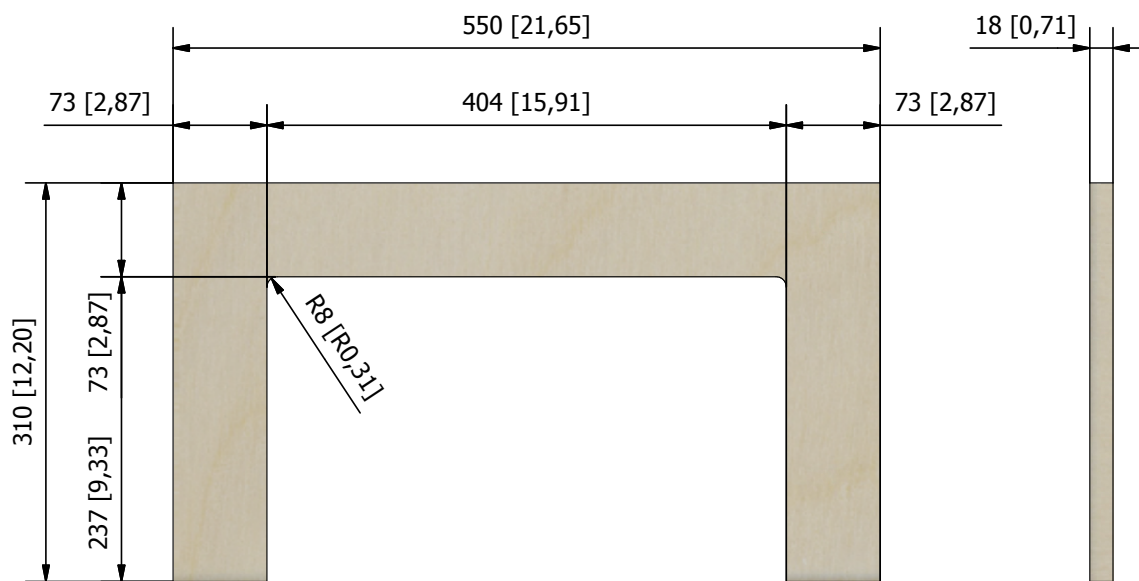
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# CABINET CONSTRUCTION

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## ITEM 7 - SHORT BRACKET



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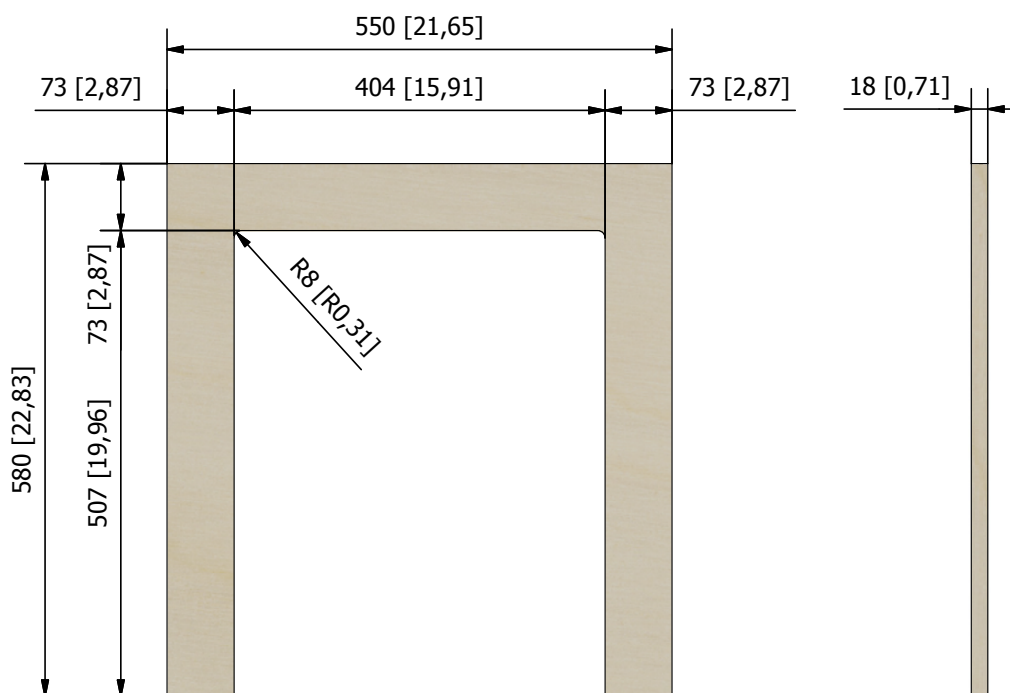
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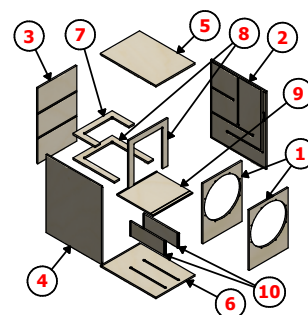
# CABINET CONSTRUCTION

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## ITEM 8 - LONG BRACKET



QTY: 2 OFF



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SUGGESTED DESIGN

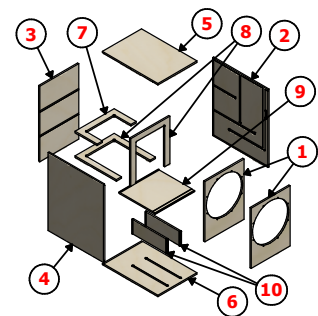
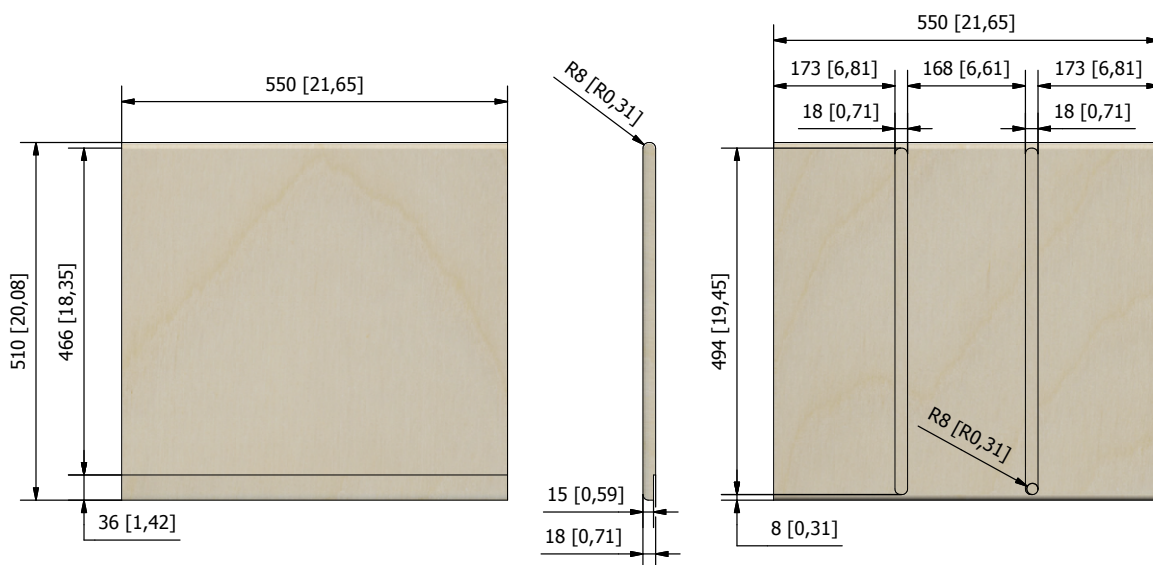
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# CABINET CONSTRUCTION

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## ITEM 9 - HORIZONTAL DUCT



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SUGGESTED DESIGN

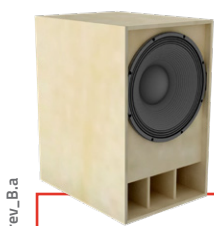
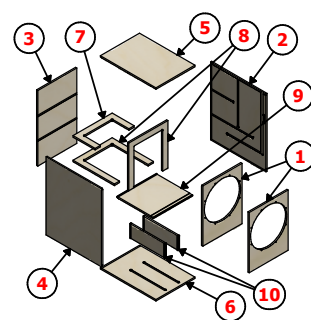
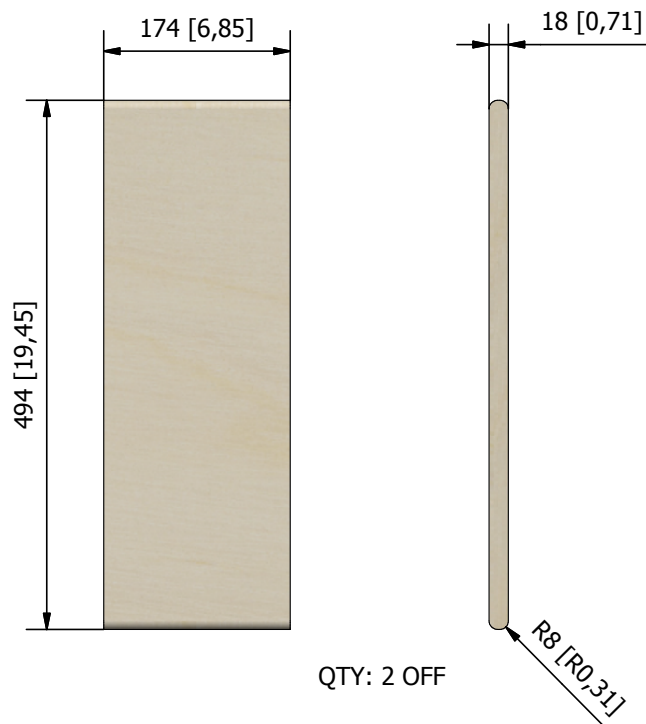
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# CABINET CONSTRUCTION

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## ITEM 10 - VERTICAL DUCT



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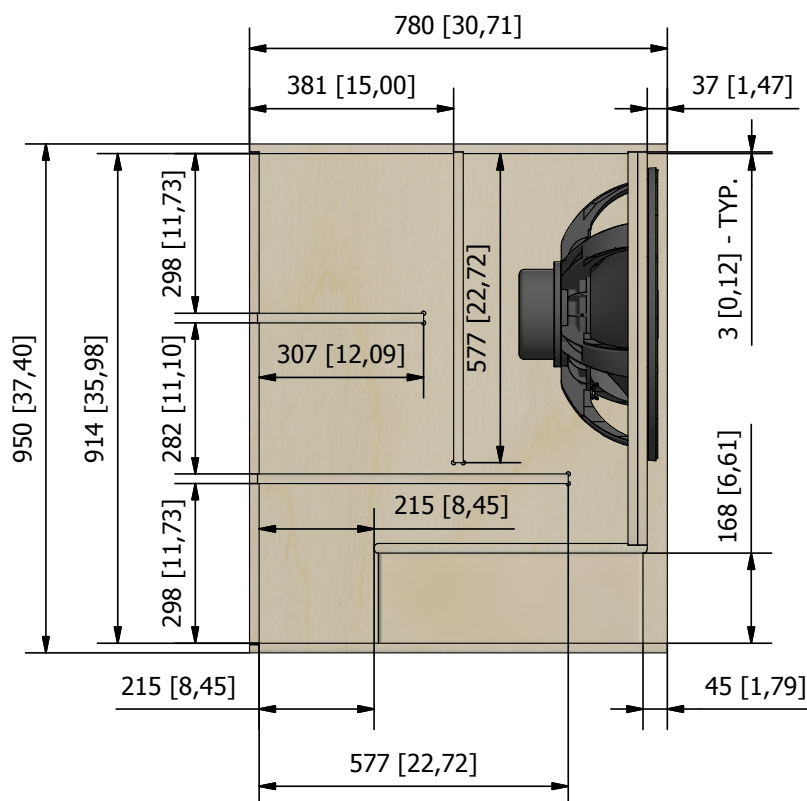
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# CABINET CONSTRUCTION

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## SIDE SECTION VIEW



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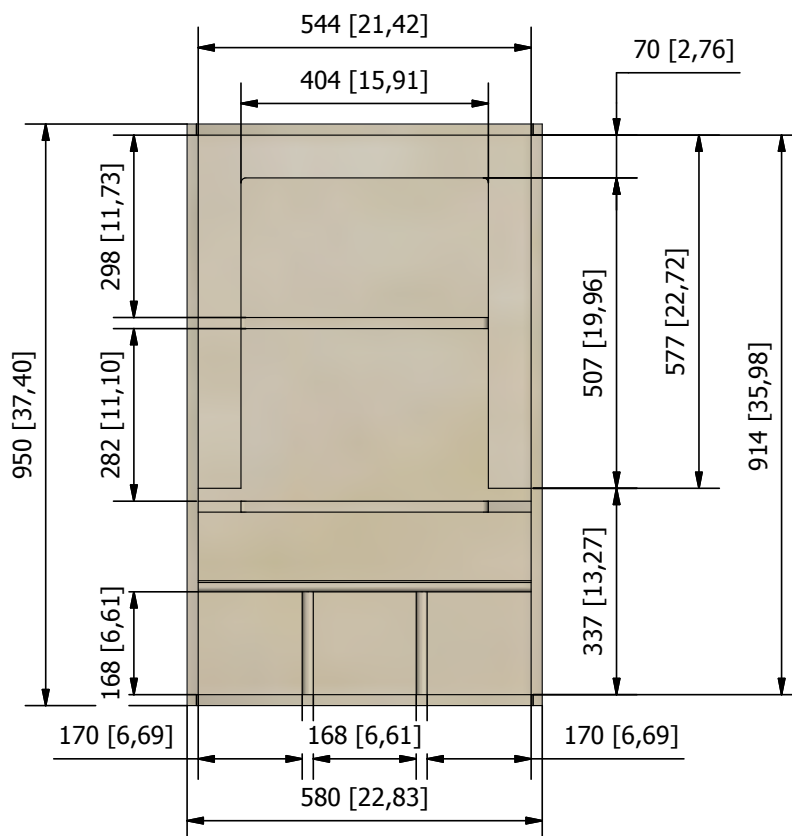
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# CABINET CONSTRUCTION

## FRONT SECTION VIEW



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**SUGGESTED DESIGN**

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# PERFORMANCE

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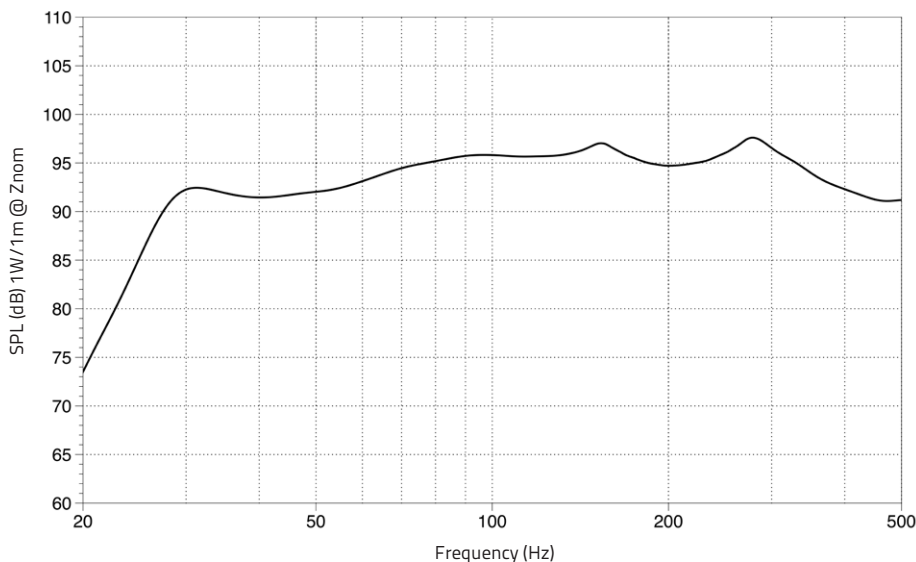
## SUBWOOFER

BASSLINE 121RN CABINET EQUIPPED WITH:



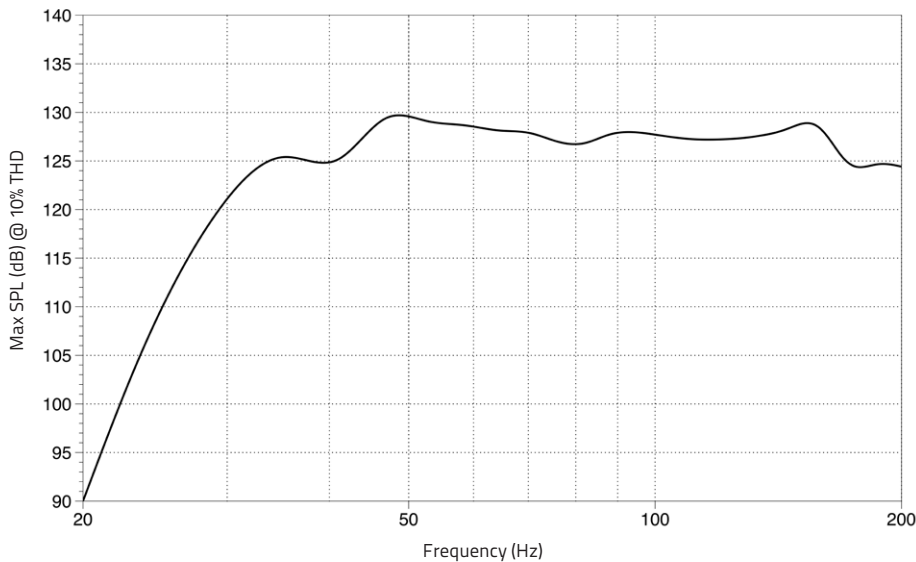
**SAN214.50**  
NEODYMIUM MAGNET  
1700 W AES

### FREQUENCY RESPONSE



Measurement hardware: Four Audio ROBO3 with WinMF software;  
Smoothing: 1/6 oct.

### MAX SPL



Measurement hardware: Four Audio ROBO3 with WinMF software;  
Crown IT12000 amplifier.



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All measurements in class 1 semi-anechoic chamber using ground plane technique, with microphone placed on-axis at 4m distance; measurements are then normalized to 1m in free-field condition.



# PERFORMANCE

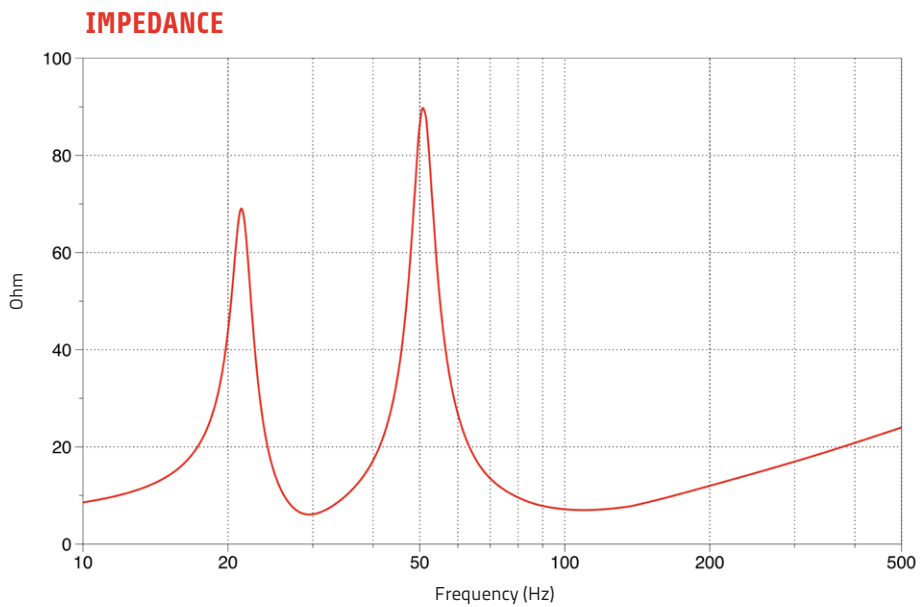
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## SUBWOOFER

BASSLINE 121RN CABINET EQUIPPED WITH:



**SAN214.50**  
NEODYMIUM MAGNET  
1700 W AES



Measurement hardware: Four Audio ROBO3 with WinMF software.  
Smoothing: 1/6 oct.



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INNOVATORS  
BY TRADITION



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