



The Acousta 116

Build your Legacy

Difficulty: Intermediate

Official Plans by Lowther Loudspeakers

Version 1222



MONTE CARLO
JAZZ
FESTIVAL

2007
APRIL 24-30
THE BEST OF THE BEST

MONTEREY
JAZZ

JAZZ



Welcome to the Lowther Family

We are proud of our heritage. Every Lowther Loudspeaker cabinet has been designed by ear and built by hand. Some of those cabinets are built by our very own master craftsman, but most Lowther speakers in existence are built by people like yourself.

For decades people from all over the world, with all levels of wood working skills, have used our plans and our full range drivers to build their own part of our history. And every single one of those people have a fundamental appreciation for music and a firm understanding that the quality of its reproduction matters.

We are all on a quest to re-create the original intended message of our favourite composers or artists, with maximum realism, emotion and intensity. Music is important. Listening to it in the highest possible fidelity is equally as important.

We look forward to seeing what you build.

The Acousta 116

The Lowther Acousta 116 is the best known and most popular Lowther enclosure to date. Much loved by home builders around the world for it's overwhelming clarity and accurate reproduction of their music.

Suitable for use in a wide range of rooms (25 sq.m+). The Acousta is easy to position and they are not overly dependant on proximity to corners for bass response.

Due to the complexity of the labyrinth and size of this cabinet we have rated this an intermediate cabinet to build. However, with some time and care taken in construction, your Acousta will not disappoint.

Dimensions

Height: 855mm, width: 468mm, depth: 373mm

Construction Note

We recommend construction in Plywood however M.D.F can also be used. All panels must be firmly glued and airtight.









Driver Recommendation

Lowther Recommendation

Alnico Magnet: PM6A

Ceramic Magnet: PM6C

Neodymium Magnet: DX3

Alternative Drive Units

All the following drive units will fit this cabinet.

Front

DX2, DX3, DX4, EX2, EX3, EX4, PM6C, PM6A, PM7A.

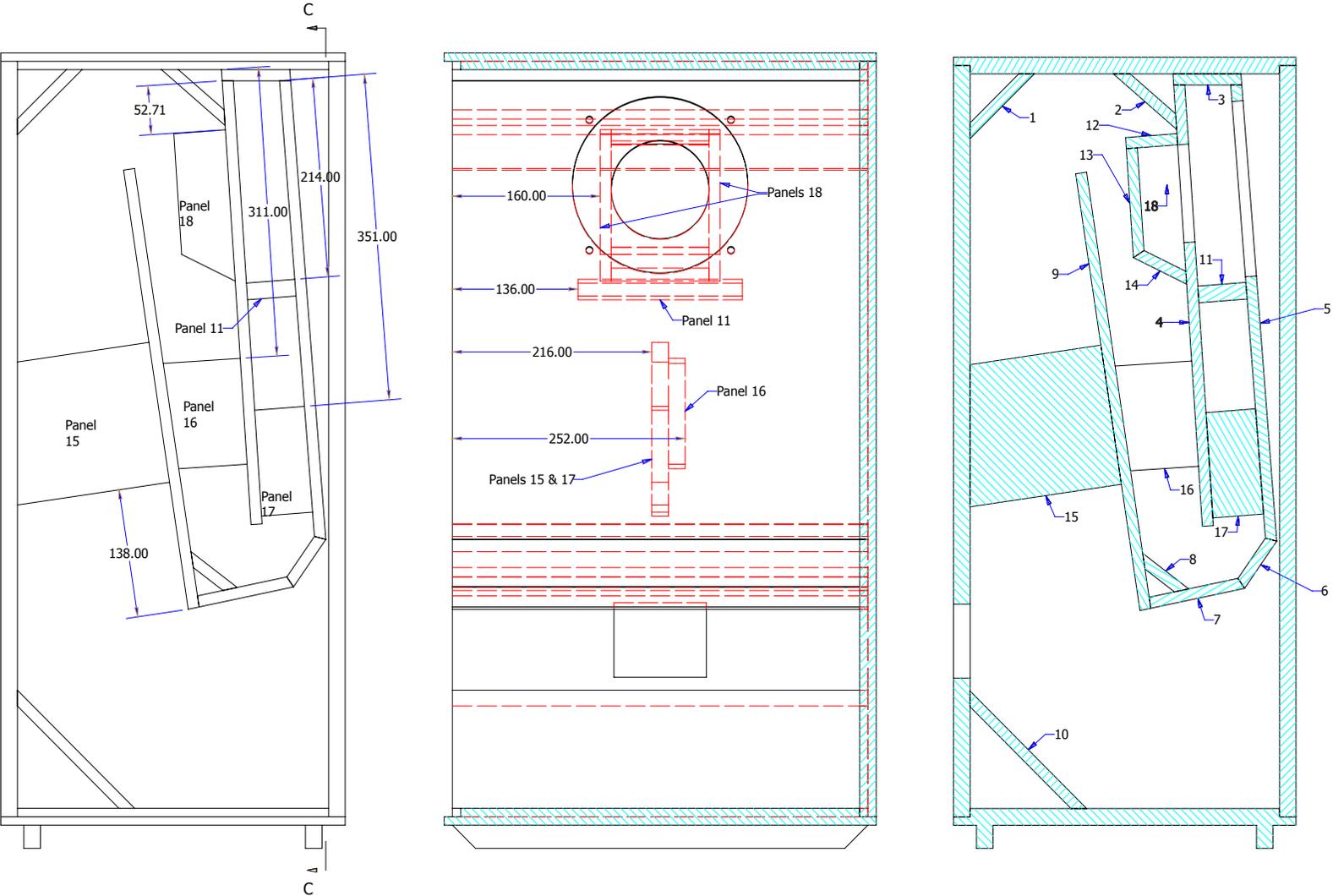
Buying your drive unit

To purchase a Lowther drive unit please visit:

www.lowtherloudspeakers.com

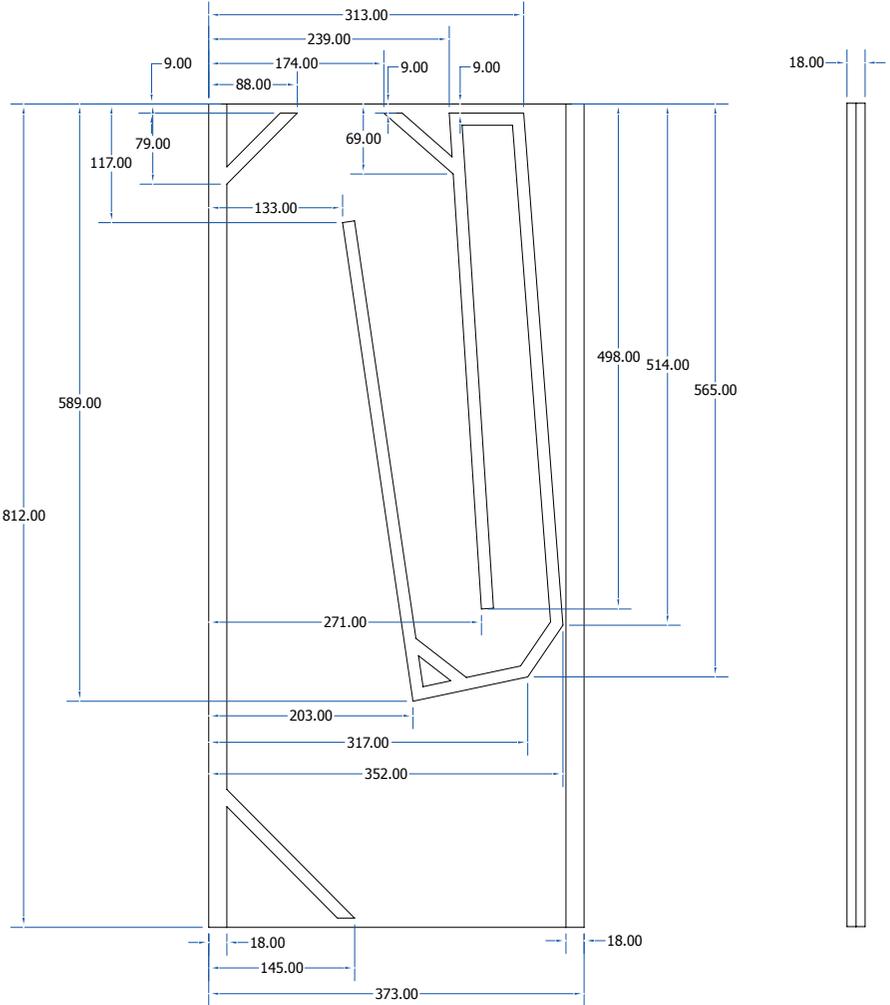
Dividers & Box Reference

Drawing units: Millimetres



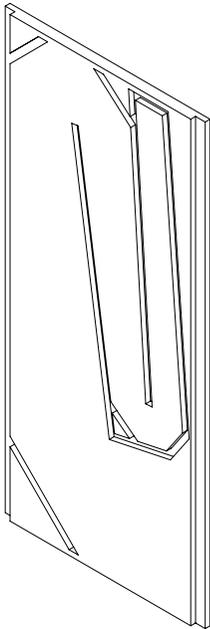
Side Panel

Drawing units: Millimetres



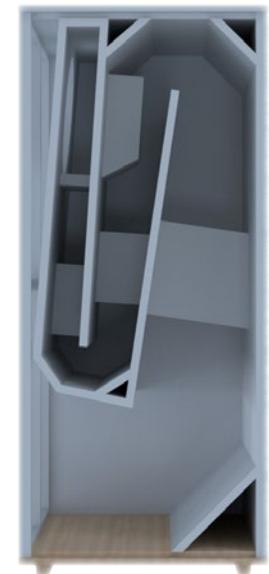
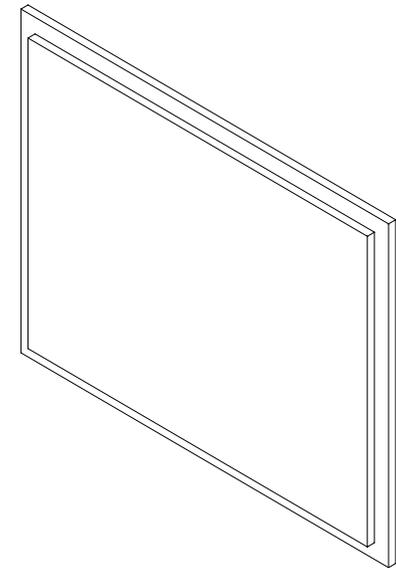
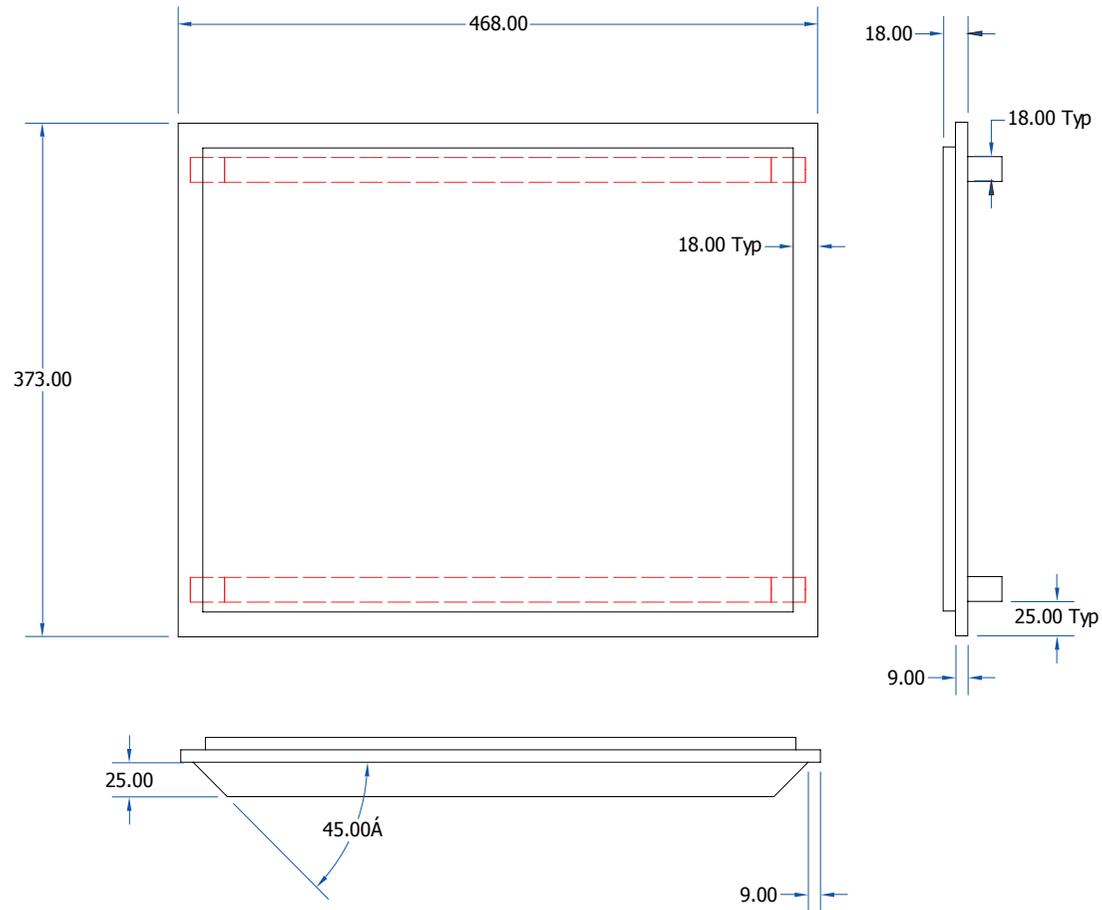
All interior panel rebates are at 12mm wide x 9mm deep.
 Front & Grill panel rebates are at 18mm wide x 9mm deep.

It is permissible to omit the interior panel rebates and use battens instead. If this is done the width of the full width interior panels should be reduced by 18mm.



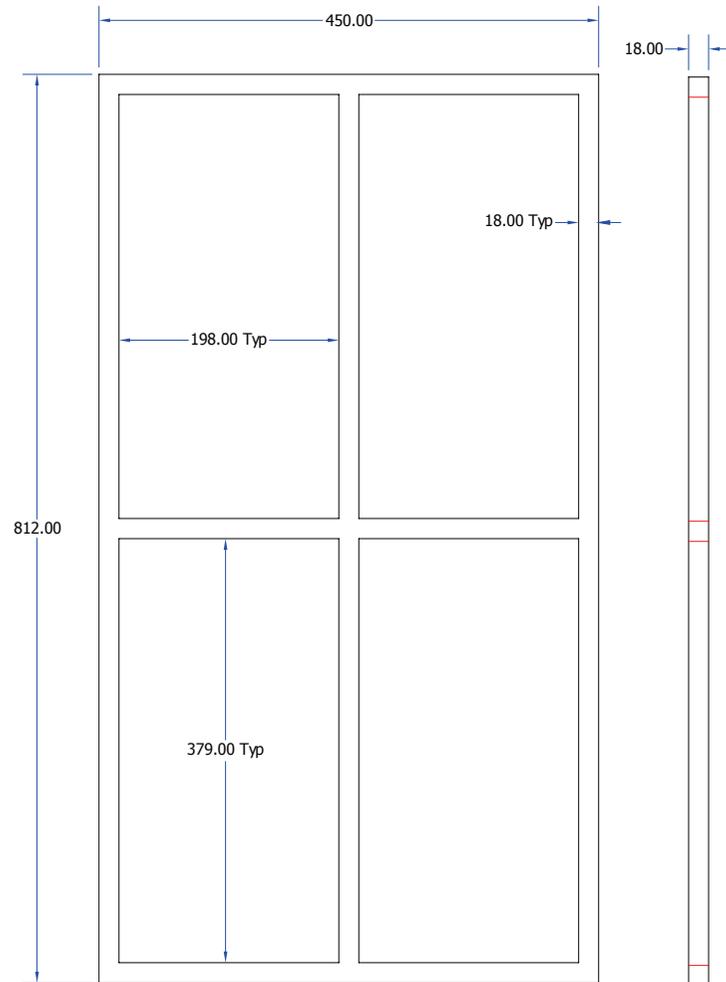
Base Panel

Drawing units: Millimetres

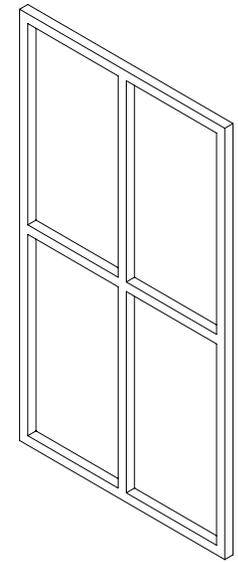


Grill Panel

Drawing units: Millimetres

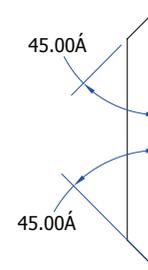
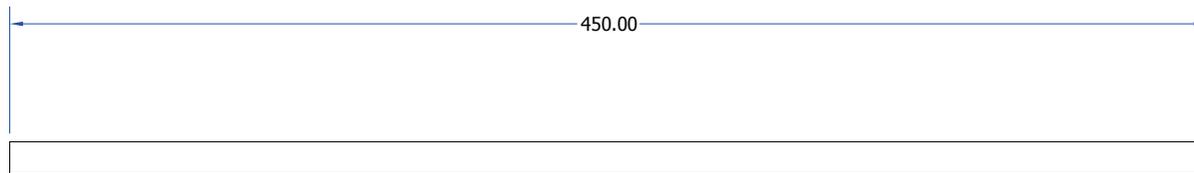
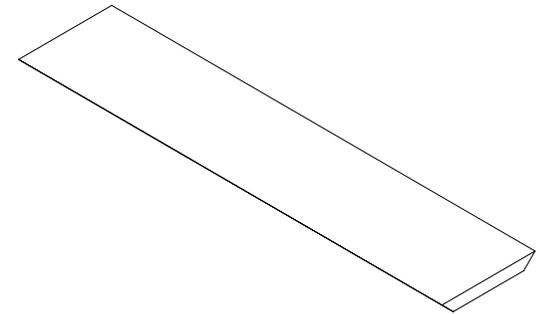


The Grill Panel should be covered with an acoustically transparent cloth and fitted with velcro pads.



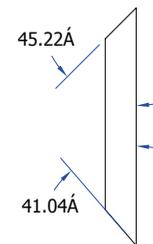
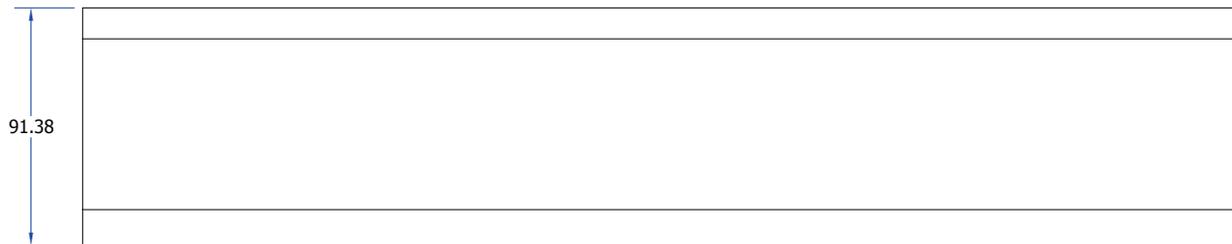
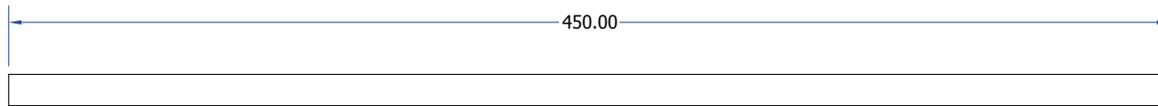
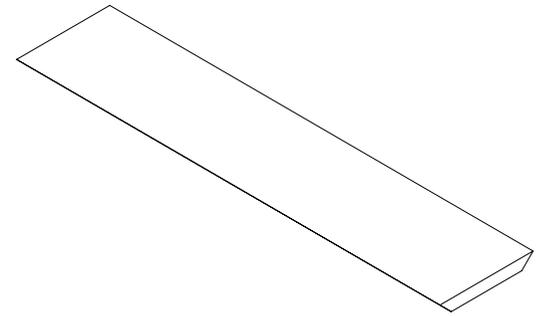
Panel 1

Drawing units: Millimetres



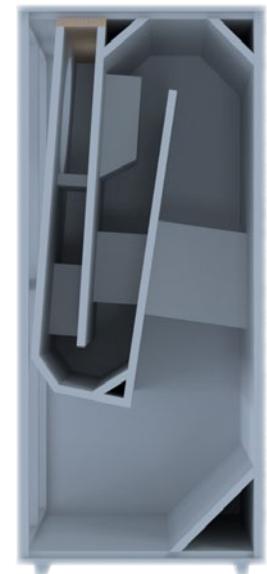
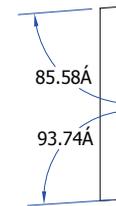
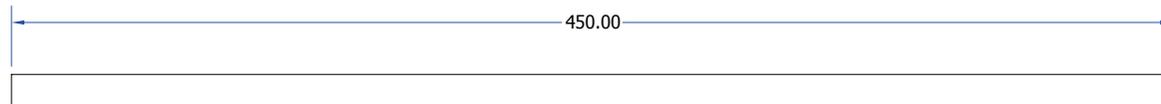
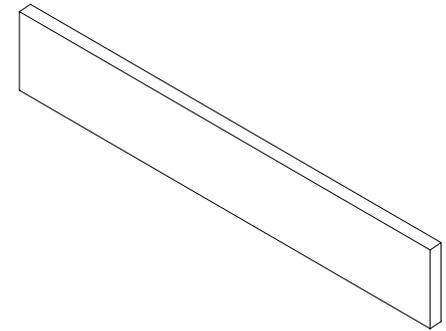
Panel 2

Drawing units: Millimetres



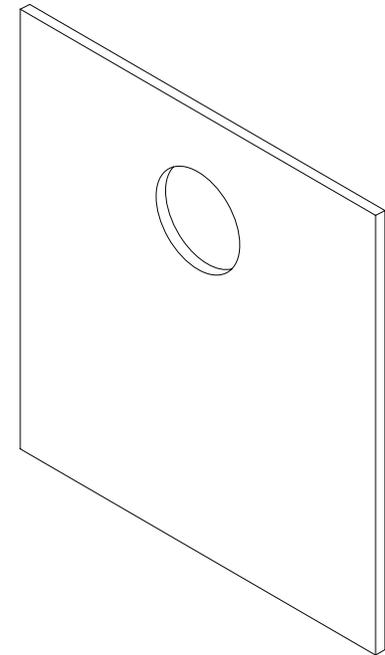
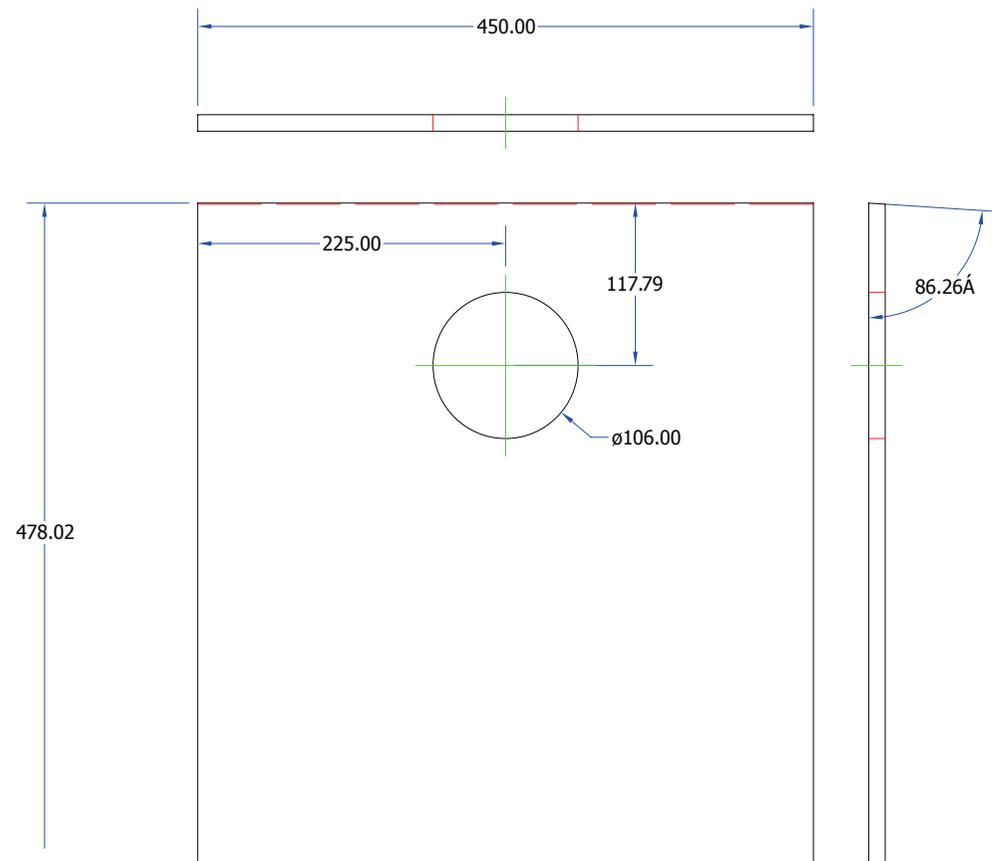
Panel 3

Drawing units: Millimetres



Panel 4

Drawing units: Millimetres

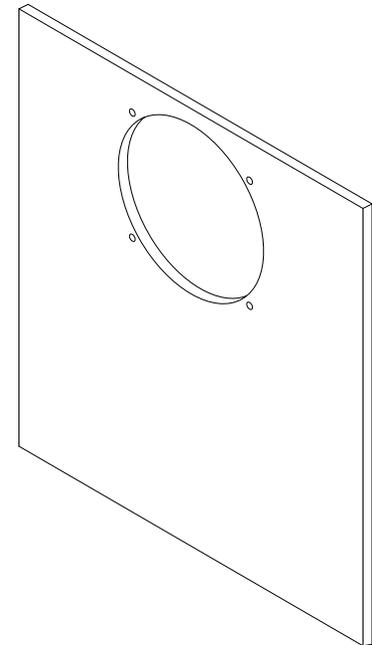
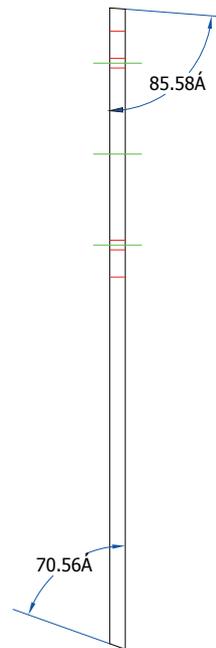
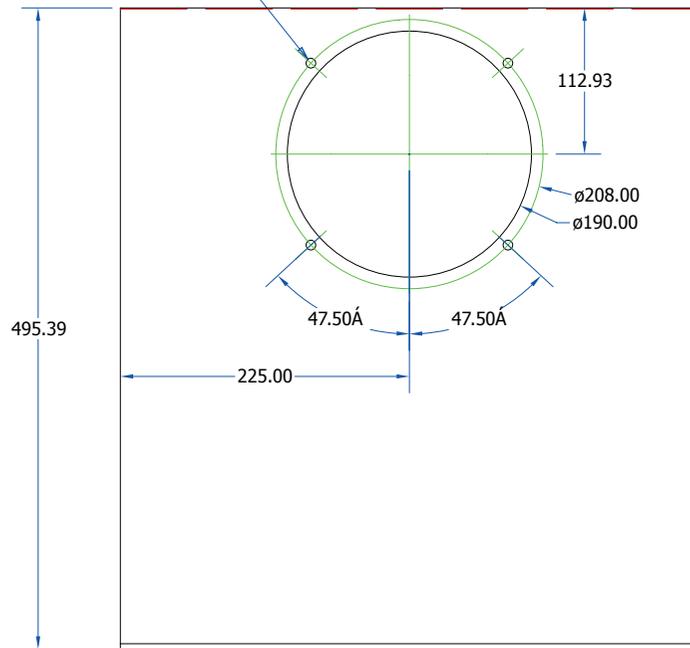


Panel 5

Drawing units: Millimetres

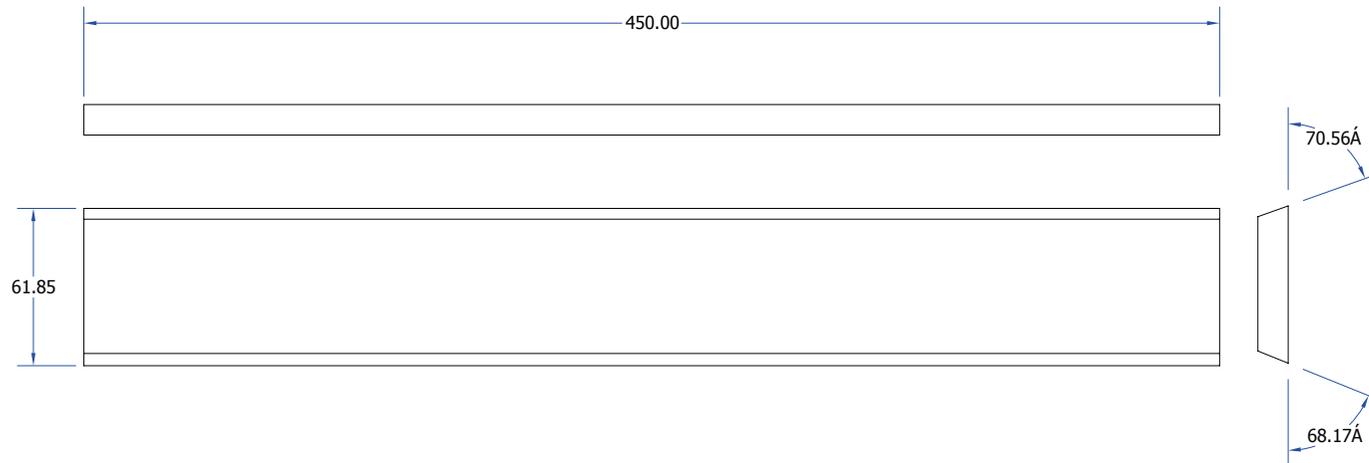
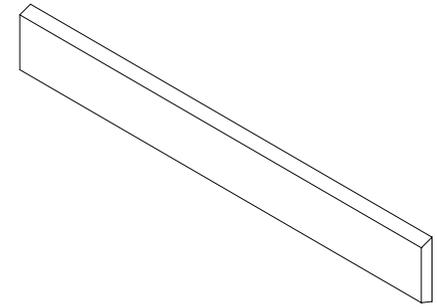


n 7.50 THRU Typ
To accept brass inserts threaded at M6



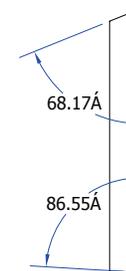
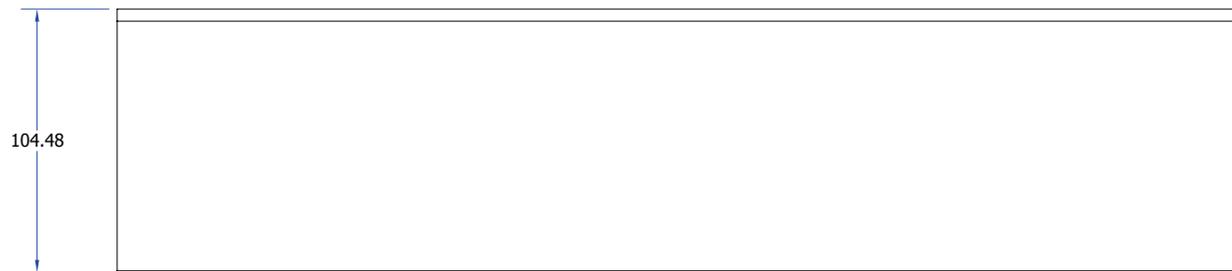
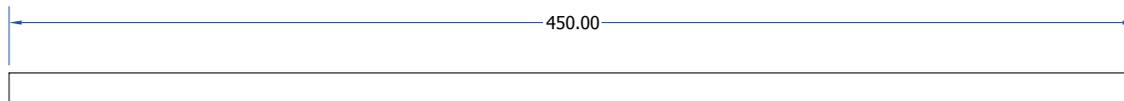
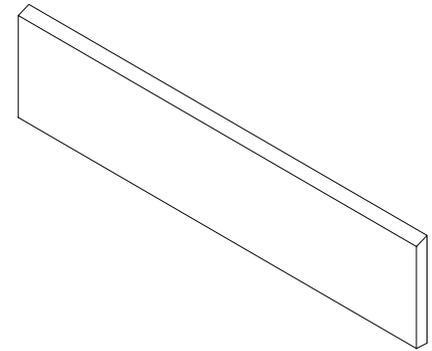
Panel 6

Drawing units: Millimetres



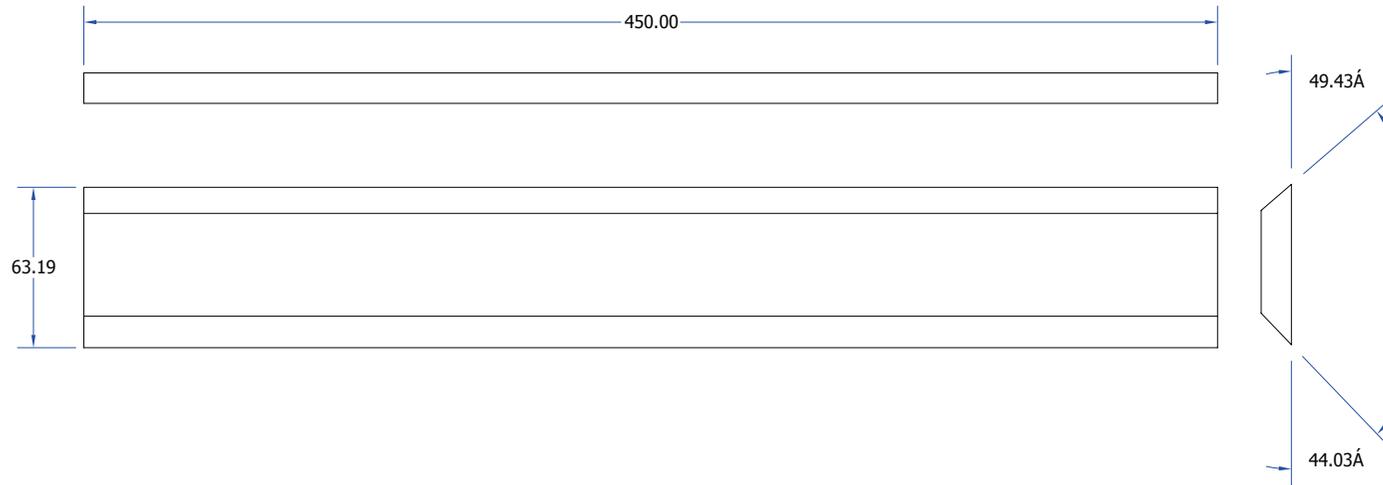
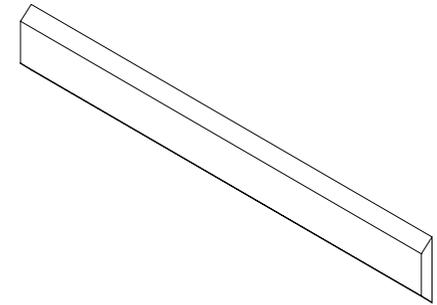
Panel 7

Drawing units: Millimetres



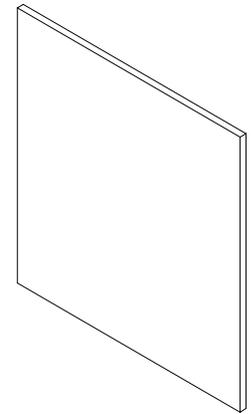
Panel 8

Drawing units: Millimetres



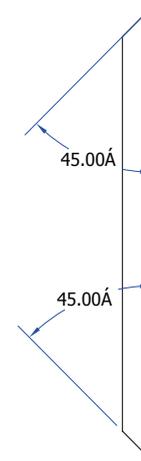
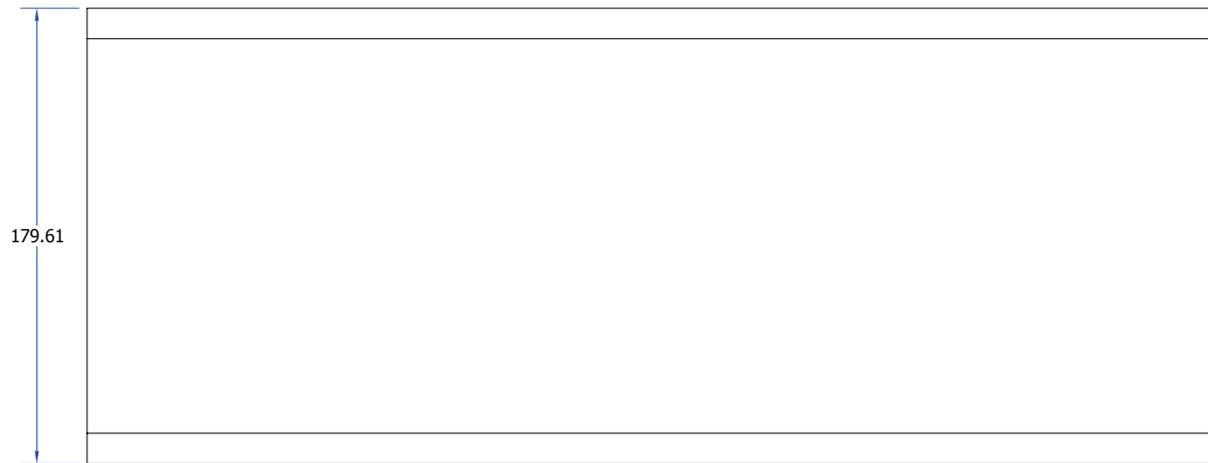
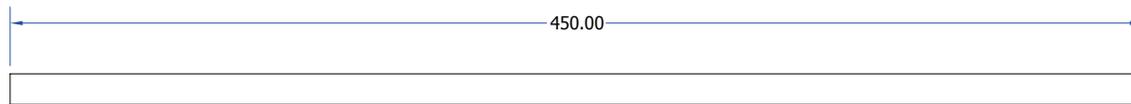
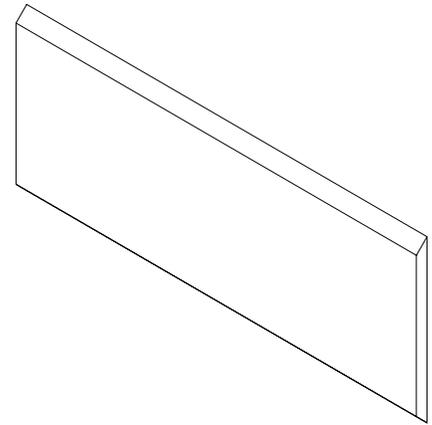
Panel 9

Drawing units: Millimetres



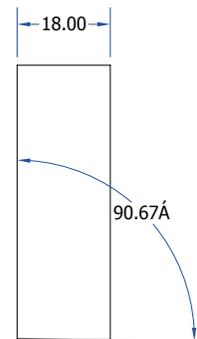
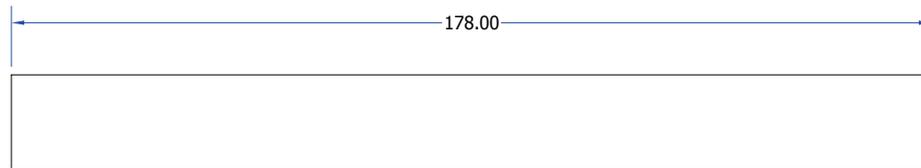
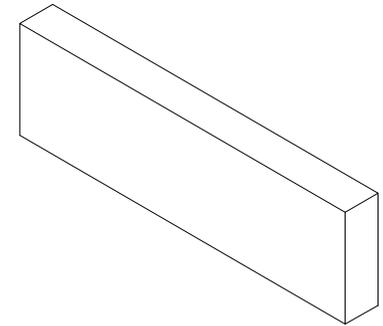
Panel 10

Drawing units: Millimetres



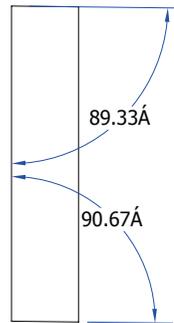
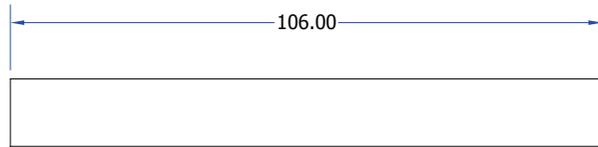
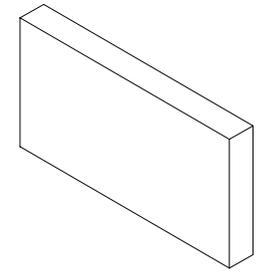
Panel 11

Drawing units: Millimetres



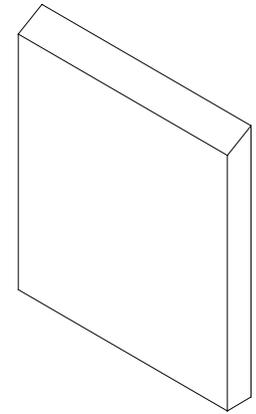
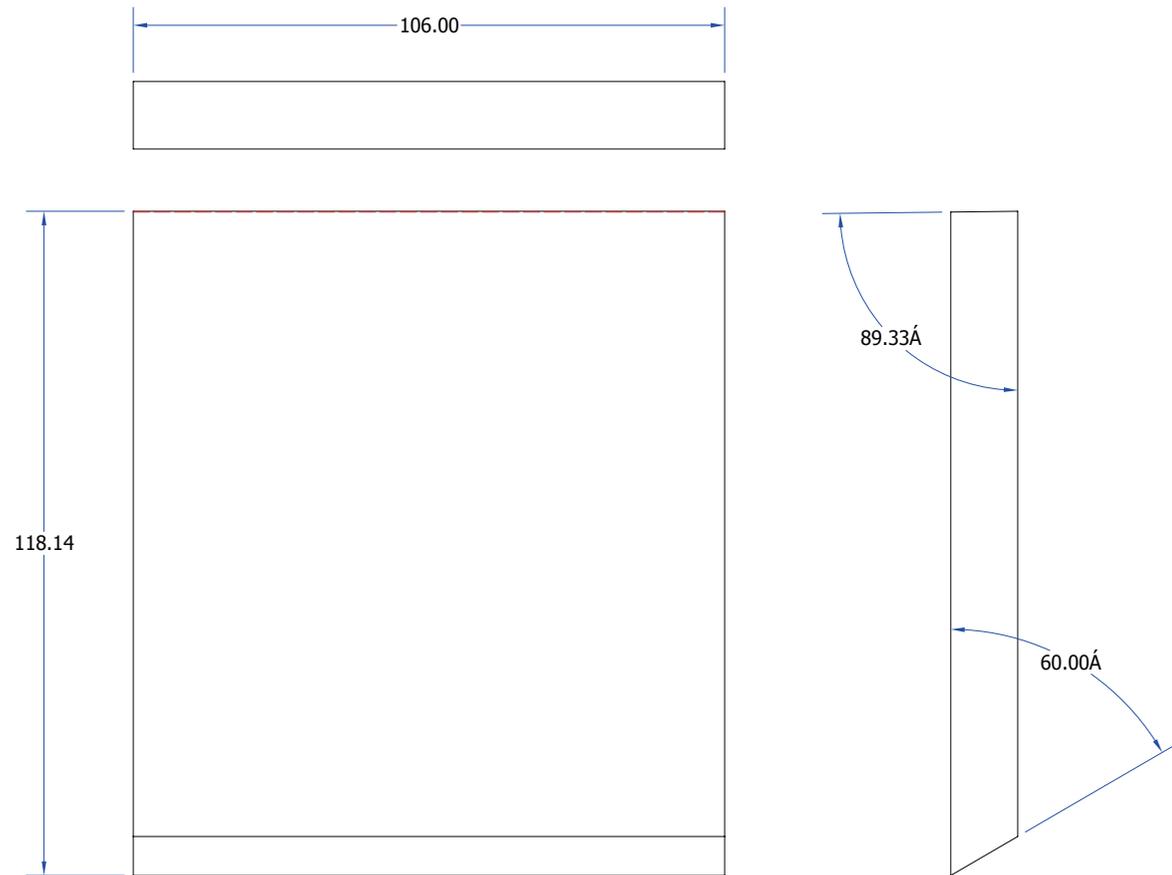
Panel 12

Drawing units: Millimetres



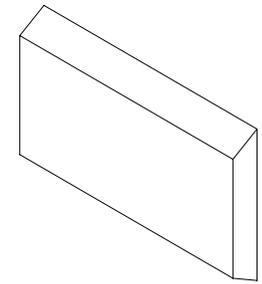
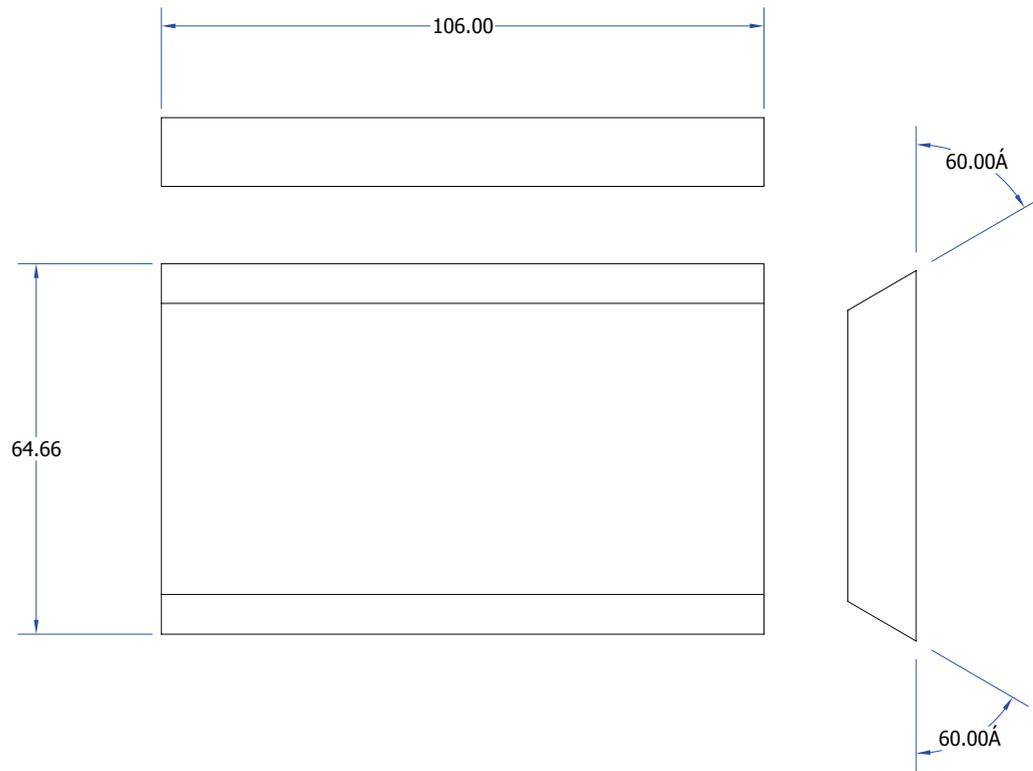
Panel 13

Drawing units: Millimetres



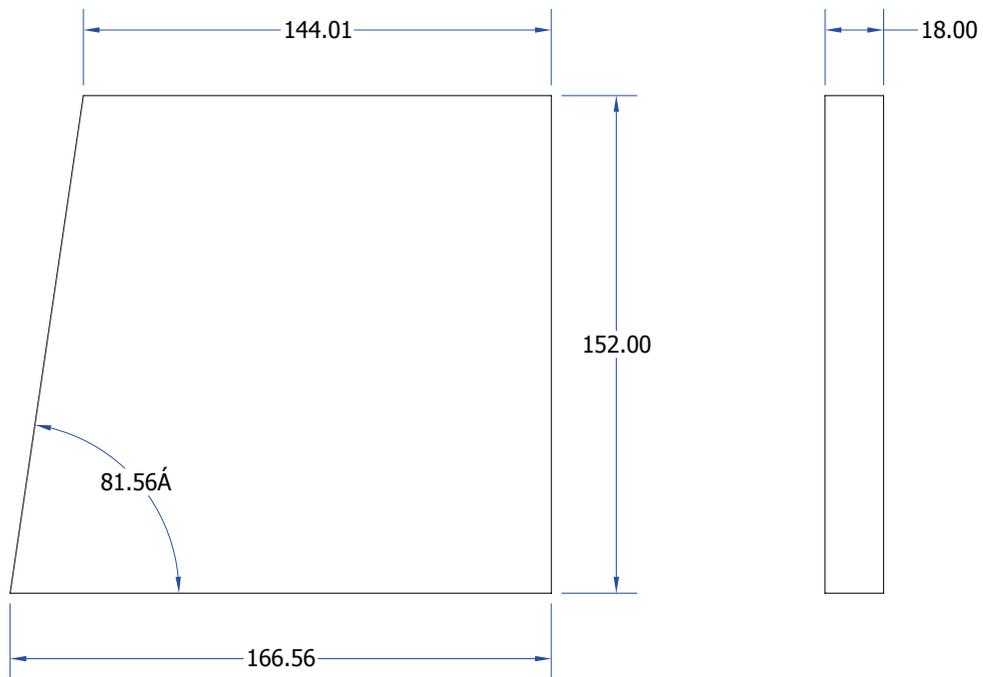
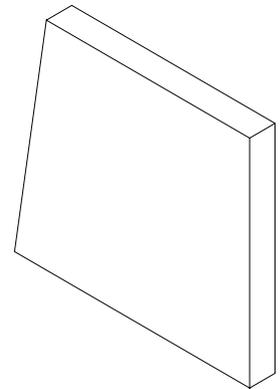
Panel 14

Drawing units: Millimetres



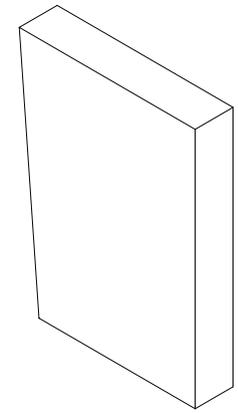
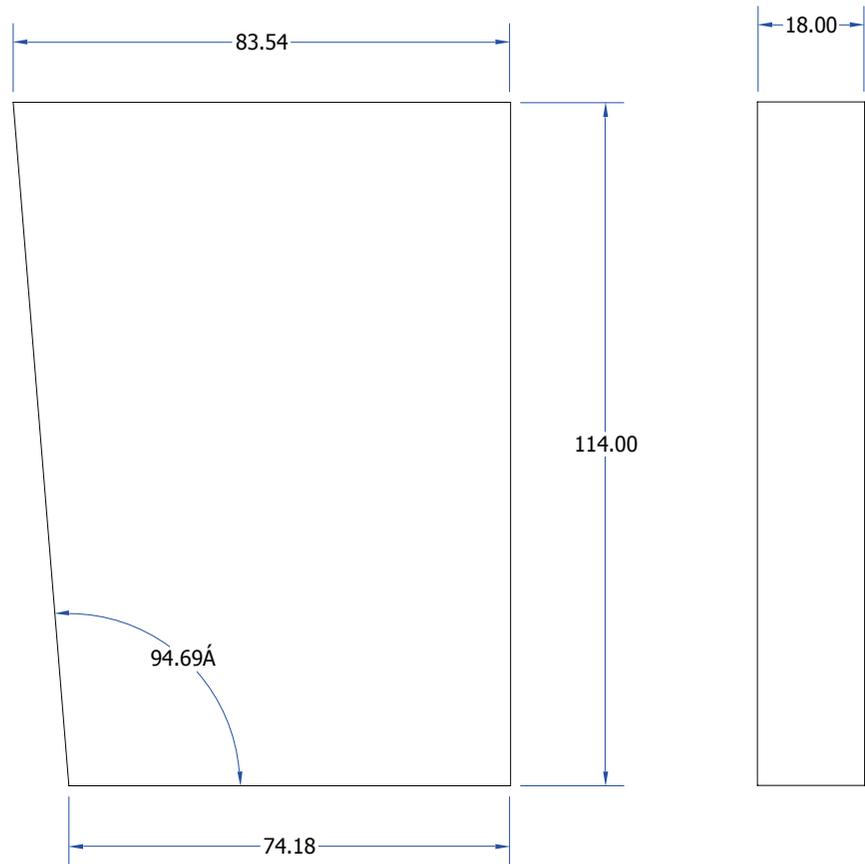
Panel 15

Drawing units: Millimetres



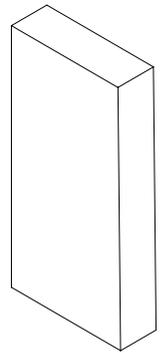
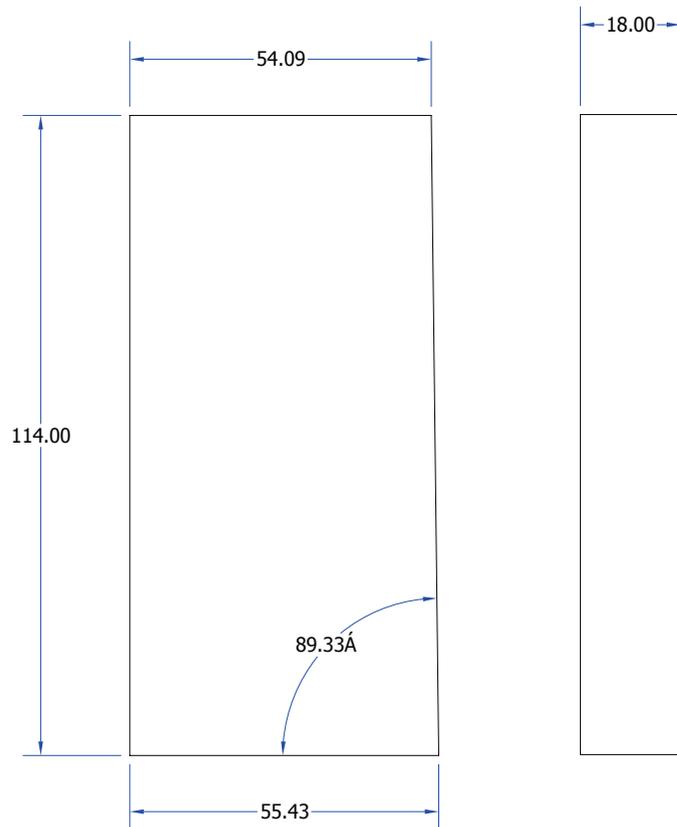
Panel 16

Drawing units: Millimetres



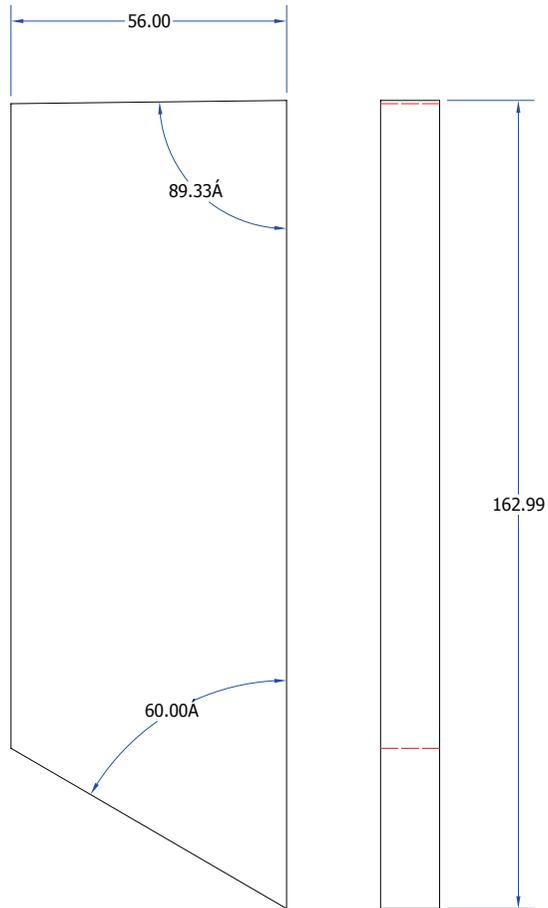
Panel 17

Drawing units: Millimetres

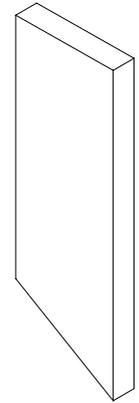


Panel 18

Drawing units: Millimetres

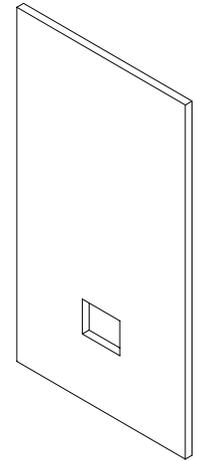
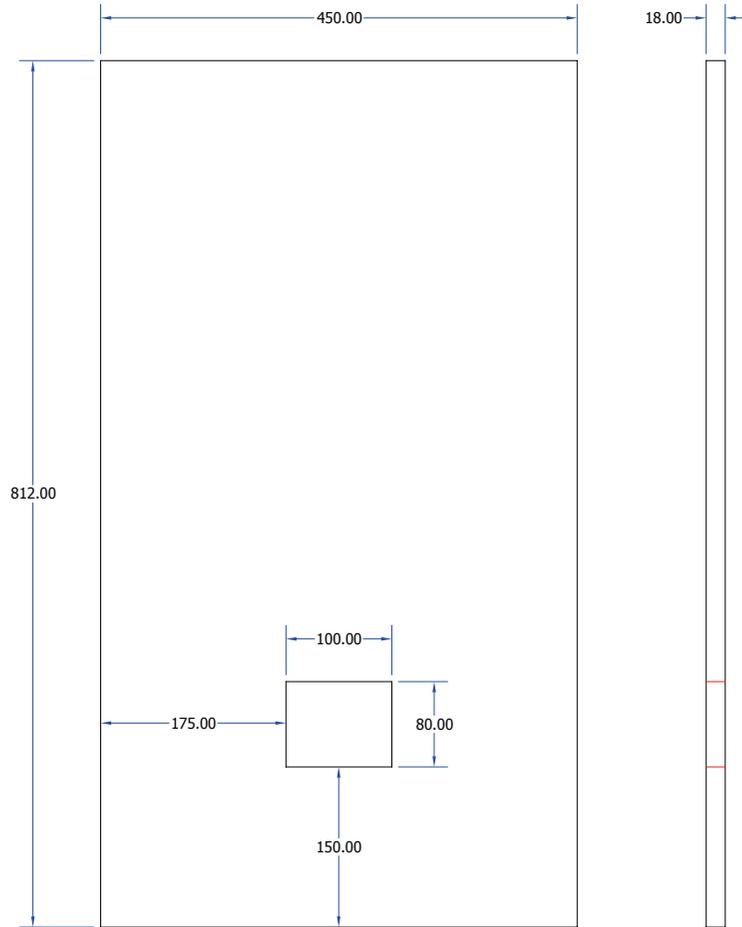


Two of these panels are required.



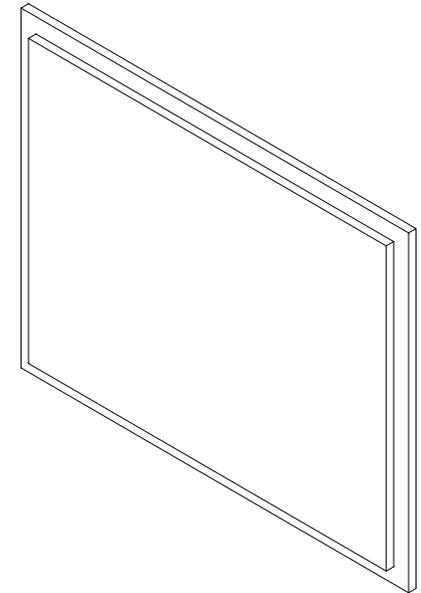
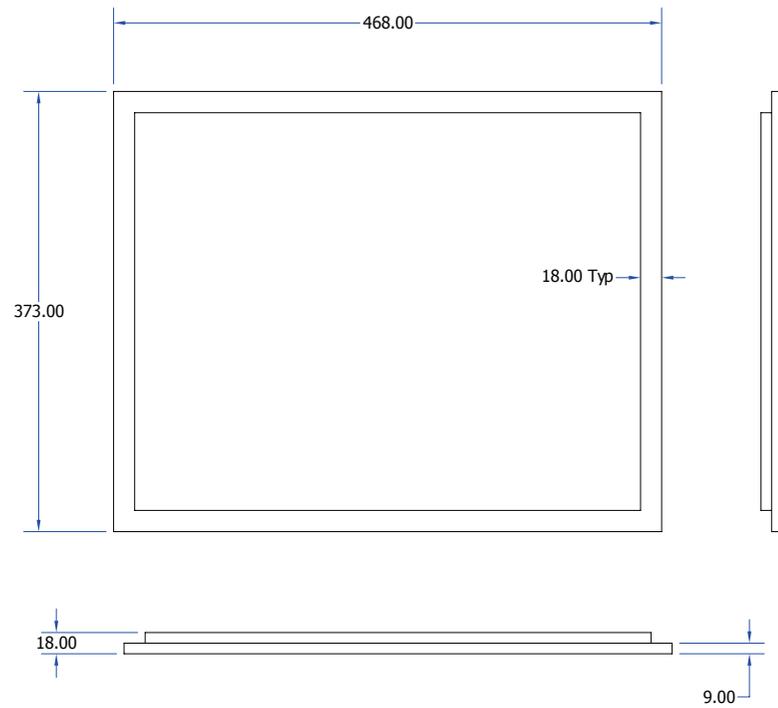
Rear Panel

Drawing units: Millimetres



Top Panel

Drawing units: Millimetres





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