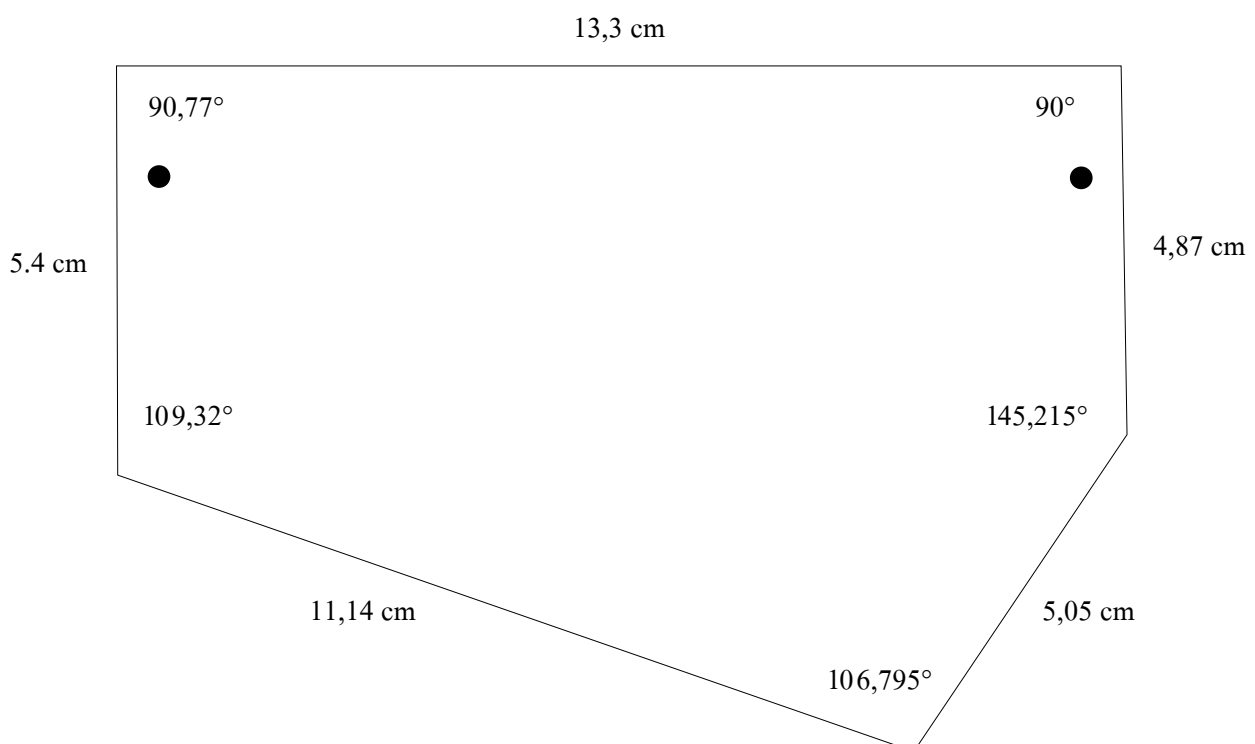# INTRODUCTION

A while ago, I saw this great video, that Mylar Melodies had made for Future Music Magazine. In the video, he shows how to build a 3U case out of cardboard and some packing tape - to have something to put your modules into before buying a manufactured case. After seeing the video, I started thinking about how to build a case that was made of cardboard, but resilient and awesome enough for permanent use.

I had just ordered 3 Moog Mother-32s that had been announced a few weeks earlier, but I knew half a year might easily pass before they would start shipping. So I decided that I would spend the time designing a eurorack environment with cases that were complementary to the design of the Moog.
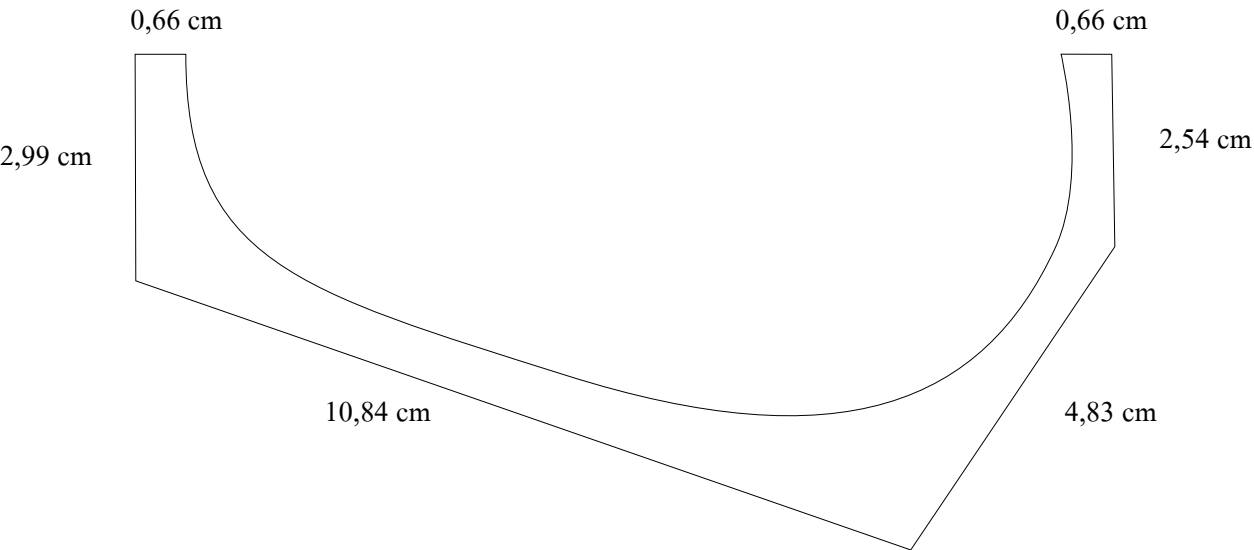
This video is the result presented alongside the Moog Mothers 32's. Both cases and the boxes, that the stand on, are made out of cardboard.

Some of the steps in the video can be skipped, like spraying it black. You can just paint the whole case with acrylic paint, using a brush for the inside where the sponge roller won't fit. It all depends how dope you want the case to look.
The most important thing is to be precise, especially in the beginning when measuring and cutting. As my teacher used to say: Measure twice - and cut once!
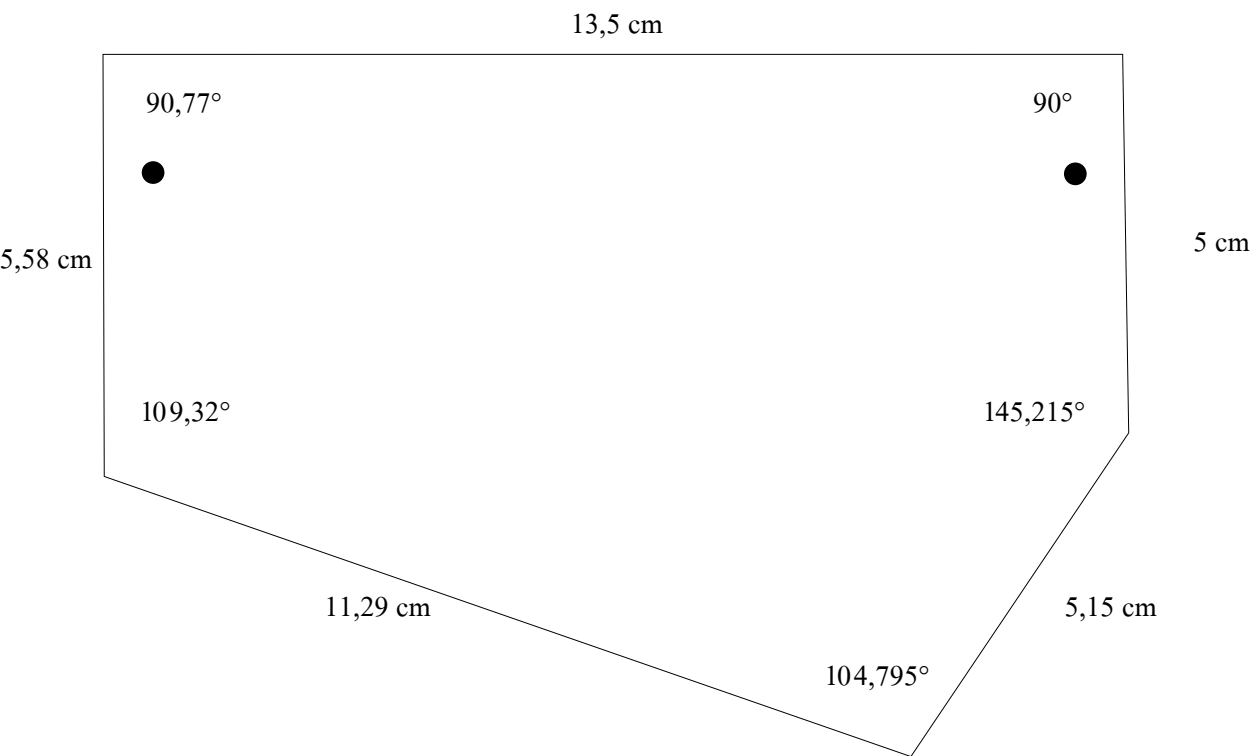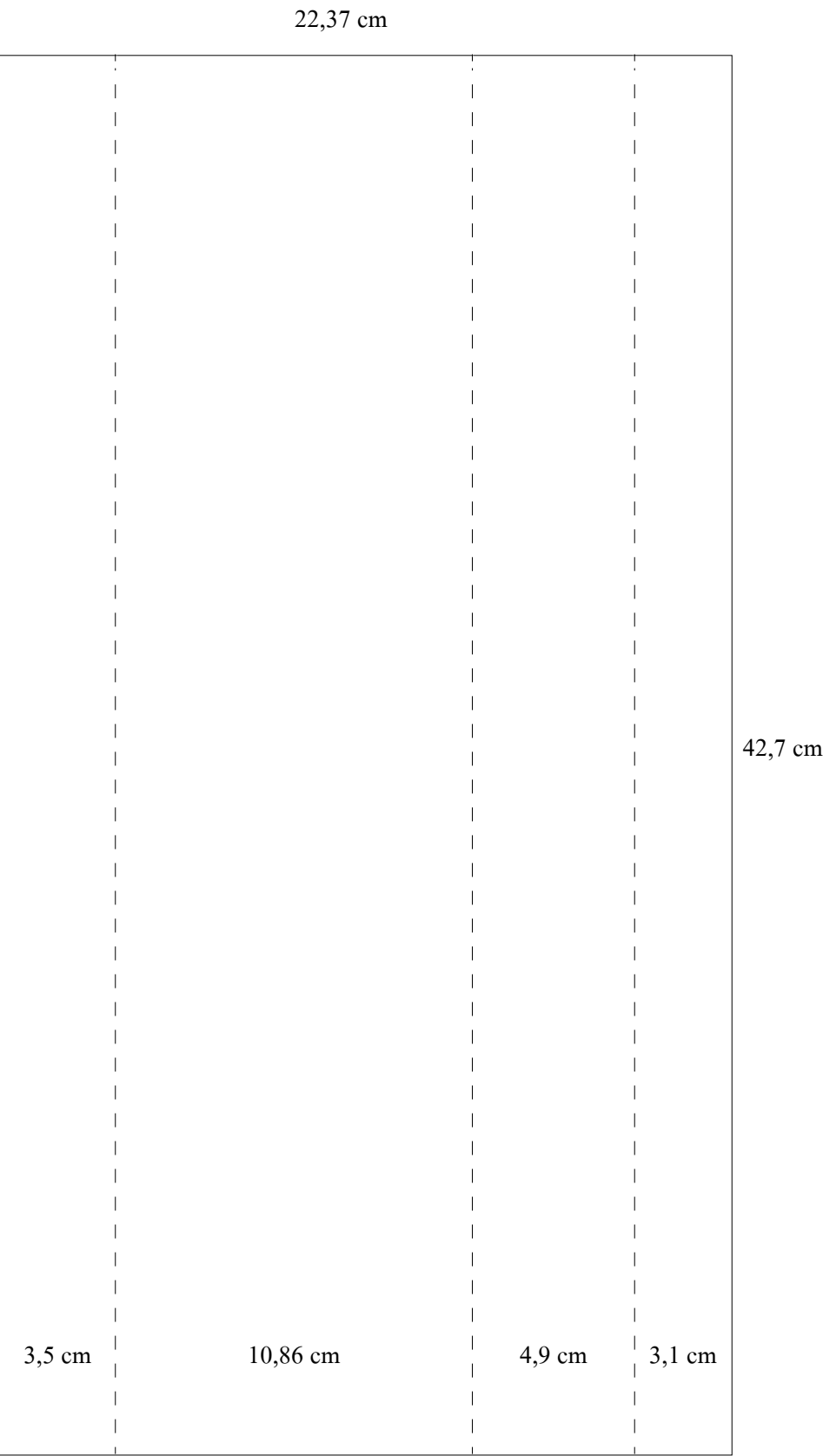
CARDBOARD SIDE PANELS (1:1)

BULKHEAD (1:1)

0,66 cm

0,66 cm

2,99 cm

2,54 cm

10,84 cm

4,83 cm

WOODEN SIDE PANELS (1:1)

13,5 cm

90,77°

90°

5,58 cm

5 cm

109,32°

145,215°

11,29 cm

5,15 cm

104,795°

CARDBOARD RECTANGLE (1:2)

Since the 1:1 size of the rectangle exceeds A4 and A3 format, I have scalled it down to 50% of its size. Instead measure the rectangle as in the video.

22,37 cm

42,7 cm

3,5 cm   10,86 cm   4,9 cm   3,1 cm

MATERIALS USED:

CHAPTER ONE: MEASURE, CUT & FOLD
- 2mm solid white board.
  Other types of quality cardboard can also be used, as long as it is solid,
  I wouldn't recommend foamcore or corrugated board
- Rulers, I suggest 90 degrees angled and 100 cm straight
- Hobby knife
- Bone folder (a household cutlery knife with a dull blade
  might also do the trick)

CHAPTER TWO: GLUING AND TAPING
- White wood glue
  brand I used: Dana Woodglue D2 Indoor 490
- Masking tape
  brand I used: Tesa 4309
- Tip Top Audio Z-rails 84 hp (silver, mounting rails set)
- Machine screw M4x12

CHAPTER THREE: FILLING THE GAPS
- Saw dust mixed with wood glue
  Tip: Start with the wooden panels from chapter six and collect the sawdust.
- Sandpaper, I used 220 Grit

CHAPTER FOUR: SPRAYING THE CASE BLACK
- Black spray paint,
  brand I used: Marabu Do-It Colorspray 073 black
- Plastic sheet to avoid getting paint on the table surface.

CHAPTER FIVE: APPLYING TEXTURE
- Black acrylic paint.,
  brand I used: Maimeri Acrylico 537 carbon black
- Sponge roller for painting
  brand I used unfortunately unknown

CHAPTER SIX: WOODEN PANELS
- Wood, approx .1cm thick planks. I used sides of an old apple crate.
- Saw,
  brand I used: BAHCO Profcut Handsaw Tool Box Saw, Fine 15"
- Drill,
  brand I used: Stanley 4mm wood drill
- Paint: CLOU powder wood stain, a mixture (50/50) of 163 and 156
- Coconut Oil for final treatment of the wood