

**A DECK I-BEAM PHOTO ETCH SET  
FOR TRUMPETER 1/200 RMS TITANIC**

# **SHEET C**

## **INSTRUCTION GUIDE**

**PLEASE READ THIS FULL  
INSTRUCTION GUIDE BEFORE  
YOU BEGIN**

UPDATED 2nd March 2022

# INTRODUCTION

I designed this I-beam Photo Etch set to help modellers accurately enhance the Trumpeter Titanic Kits Promenade deck. These overhead beams can very easily be seen along the A-deck Promenade.

By using Photo Etched Brass it is possible to achieve a very accurate scale thickness and depth of each beam. It also includes additional details such as the riveted steel plates and Telegraph Shroud under the Bridge.

## PLEASE READ THIS FULL INSTRUCTION GUIDE BEFORE YOU BEGIN

There are different options to take depending if you are adding lights, and also if you are using the kit superstructure or a PE superstructure.

The PE set is only suitable for experienced modellers who are relatively confident is using Photo Etch parts.

The kit's Superstructure profiles can be used with this set. But some beams may not line up with the vertical supports. There is also some modifications to make to these kit parts when using this set. I recommend using a PE Superstructure set (Sheet A & B) with this use I-beam set for best, most accurate results.

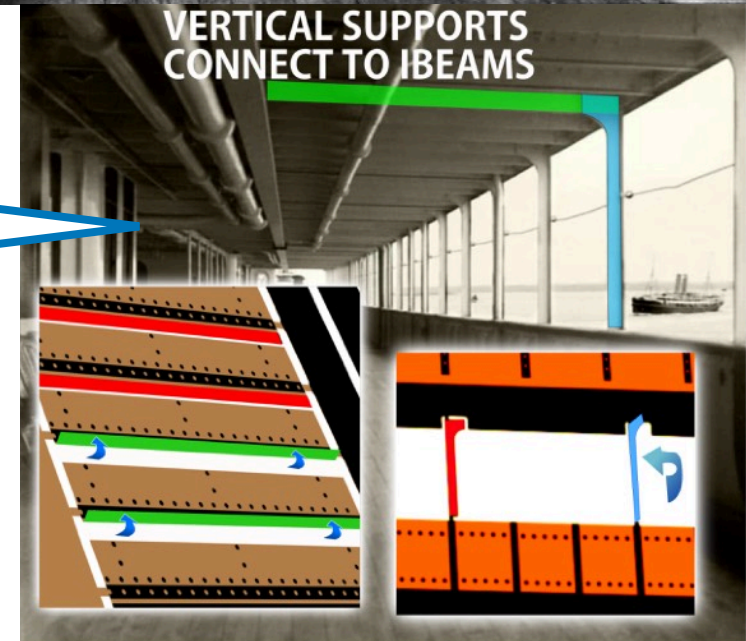
### ESSENTIAL TOOLS REQUIRED:

- An X-Acto knife with plenty of new blades
- Diamond files
- Adhesive (Slow setting CA and/or Epoxy)
- PE Cutting surface

### IF LIGHTING:

- Round nose Pliers
- Battery Operated Rotary Tool
- 5 in 1 Model Scribes Gundam Resin Cutting Tool

OPTIONAL ADDITIONAL TOOLS MAY BE SUGGESTED FURTHER IN THIS GUIDE.



### VERTICAL SUPPORTS CONNECT TO IBEAMS

When also using the Photo Etch Superstructure (SHEETS A & B) The overhead beams accurately connect to the vertical supports.

This "Lighting" symbol is used for the optional stages for a recommended way of lighting this area of your model.  
**(Stages 3-15)**





# PREPARE THE KIT DECK

## PROMENADE DECK CEILING (PART DECK S1)

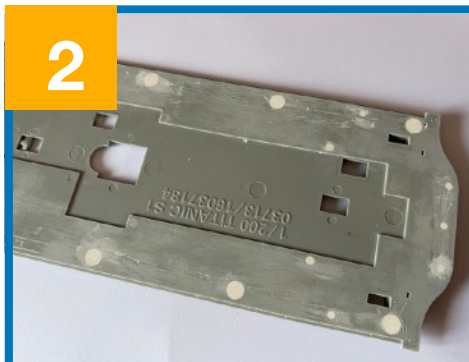
1



Remove the raised LED strip locators with a flat blade.

Then sand with a fine grade sandpaper to ensure the deck is flat and smooth.

2



Add filler to the low areas.

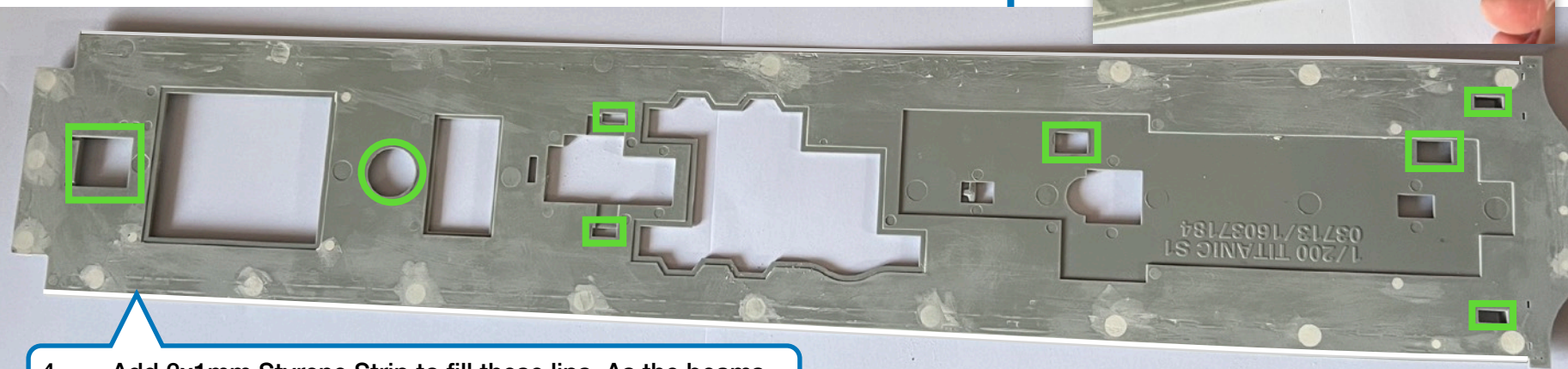
Then sand again with a fine grade sandpaper to ensure the deck is flat and smooth.

3

**THIS IS REQUIRED IF YOU ARE LIGHTING YOUR MODEL**



1. Accurately position the Promenade deck walls (kit parts 5 & 6) on the deck.
2. There are several hole positions that can be used to help you perfectly line up the walls to the deck ceiling. (Highlighted in **GREEN**)
3. Then mark with a pencil all around the walls.



4. Add 2x1mm Styrene Strip to fill these lips. As the beams project over these to the very edge.

## PREPARING THE DECK FOR LIGHTING

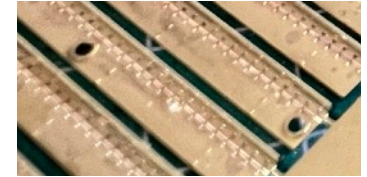


4

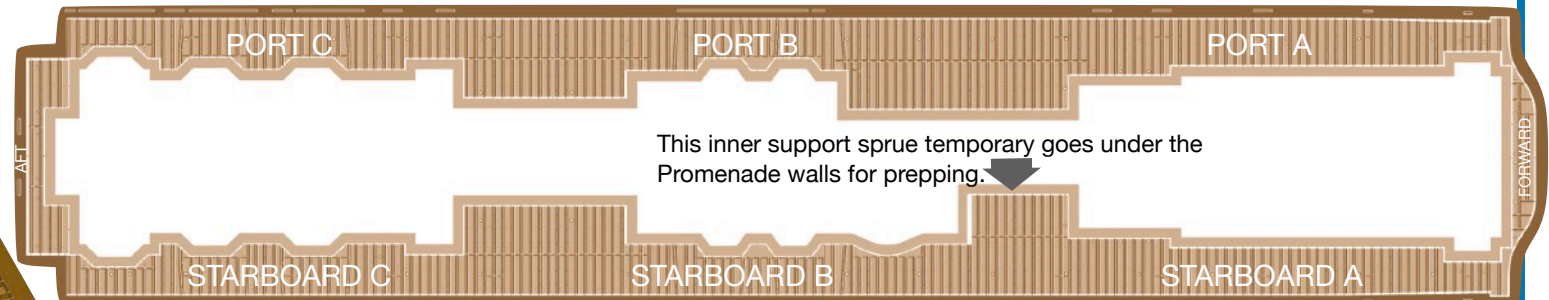
If you want to accurately light your Promenade deck, these following steps will guide you through the method that I recommend.

This I-beam set includes all of the light locations accurately positioned on each PE section. These are 1mm holes in the brass.

This guide uses 1mm Fibre Optics strands. However, if you want your lights to be brighter, you could also use Nano LED's. However, I believe Fibre Optics is much easier to install and also provides a subtle amount of light.



**PLEASE NOTE:** When cutting channels in your deck, you carry the risk of cutting too deep. This can now be seen on the Boat deck side.



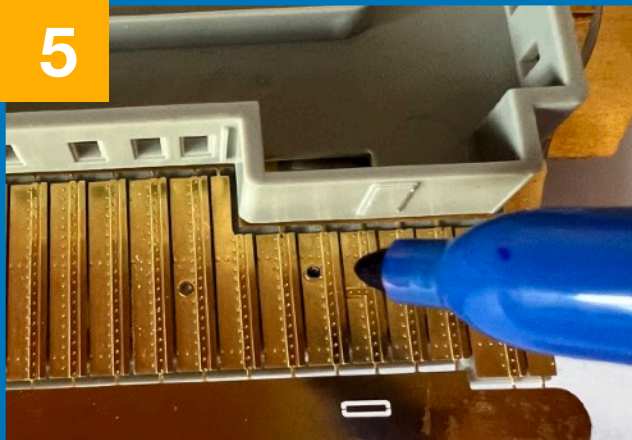
This outer support sprue temporarily overhangs the deck.

1. Now accurately position all of the main I-beam sections shown above.
2. I recommend sticking them down with masking tape to prevent movement.

**TAKE EXTREME CARE WHEN HANDLING THE PE PARTS!**



5



1. Using a Sharpie, mark all of the light locations.
2. Then carefully remove all the PE beam sections

6



#### TOOLS USED

- Battery Operated Rotary Tool
- 5 in 1 Model Scribes Gundam Resin Cutting Tool

7



Mark lines from lighting position towards the central area of the deck.

8



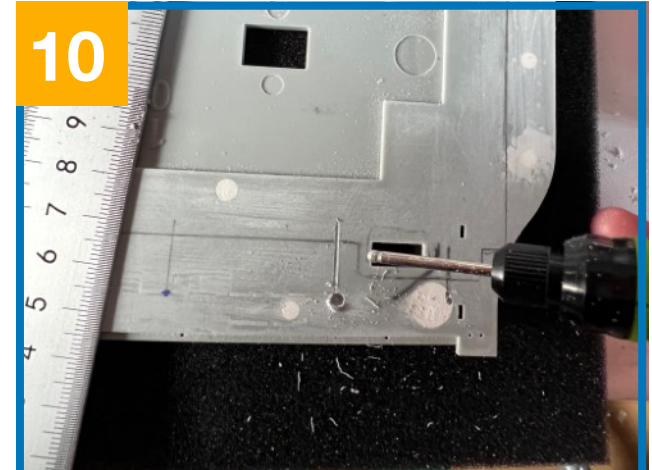
In some areas you will need to cut around holes in the deck.

9



Using the 1mm Scribing tool and a metal ruler, cut channel along your marked lines

10

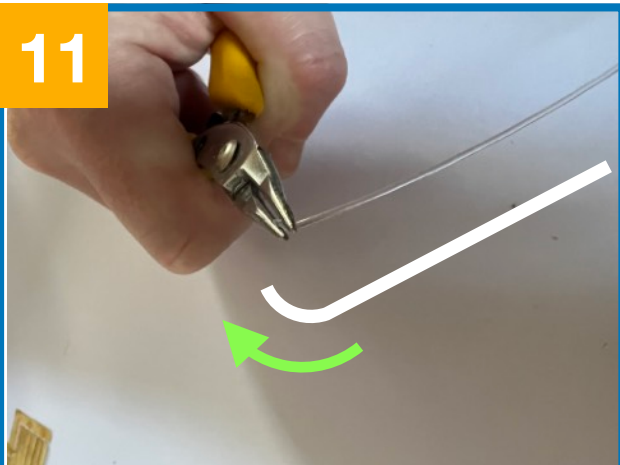


To provide finer adjustment of the light output location, you may want to use the Rotary tool to make a wider hole.



## PREPARING AND ADDING THE FIBRE OPTIC STRANDS

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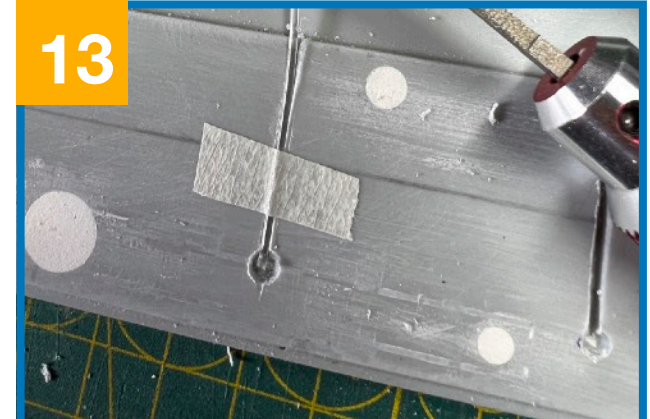
Using Round Nose Model Pliers, create a 90 degree bend at the end of the Fibre strand.

12



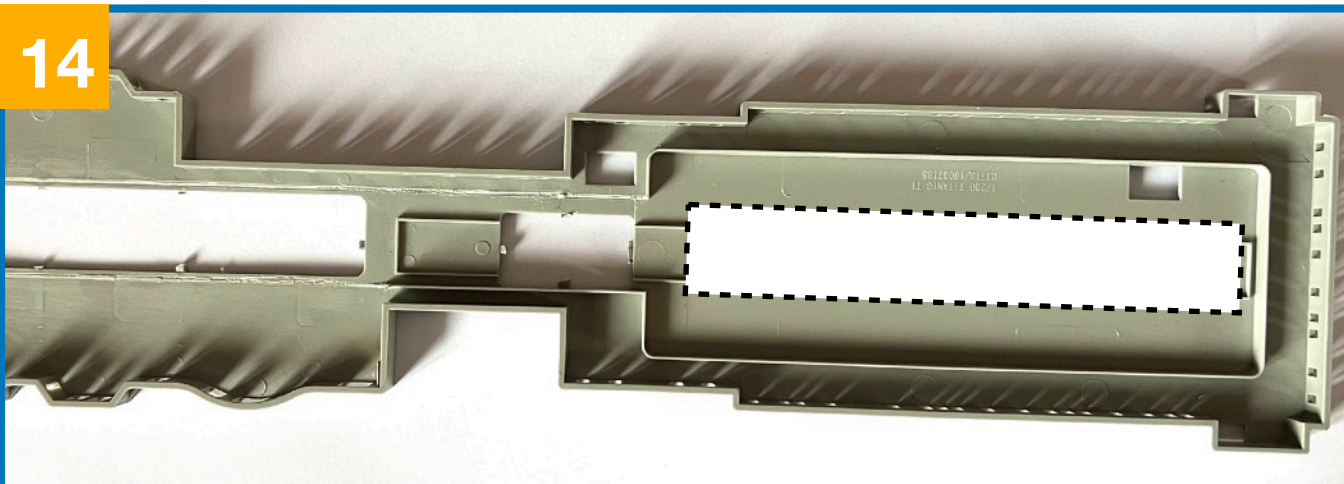
With a sharp blade, trim the end to the correct length.

13



1. Test fit the strands in the channels.
2. Then glue into place with CA glue or UV resin glue.

14



Cut an opening in part 5 so you can direct your Fibre Optic Strands towards your LED locations.

15

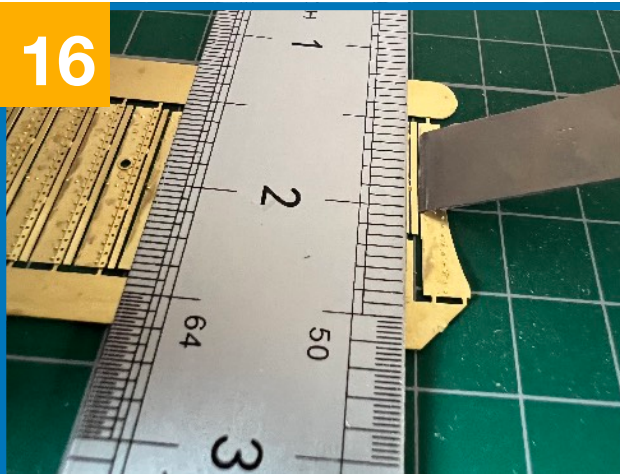


Reposition test fit the PE I-beam sections and test your lights.



## PREPARING THE I-BEAM SECTIONS

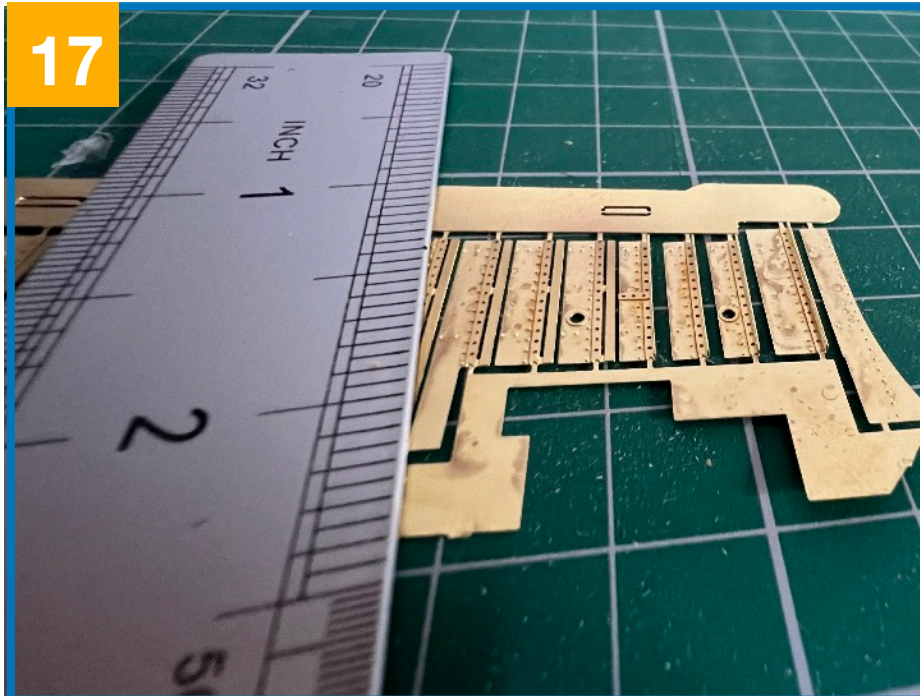
16



Use a metal ruler and a flat scalpel blade, lift each beam 90 degrees.

**TIP:** Use a Stanley blade for the wider beams.

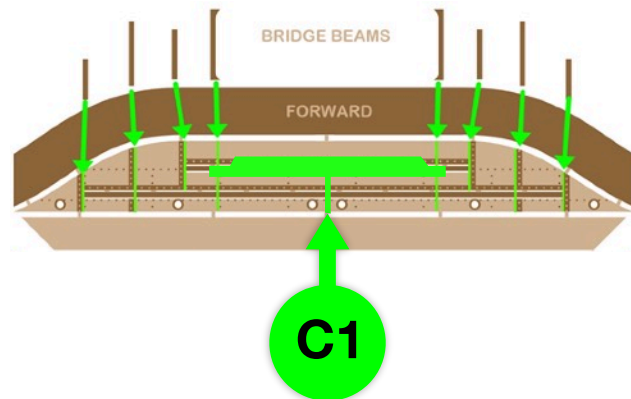
17



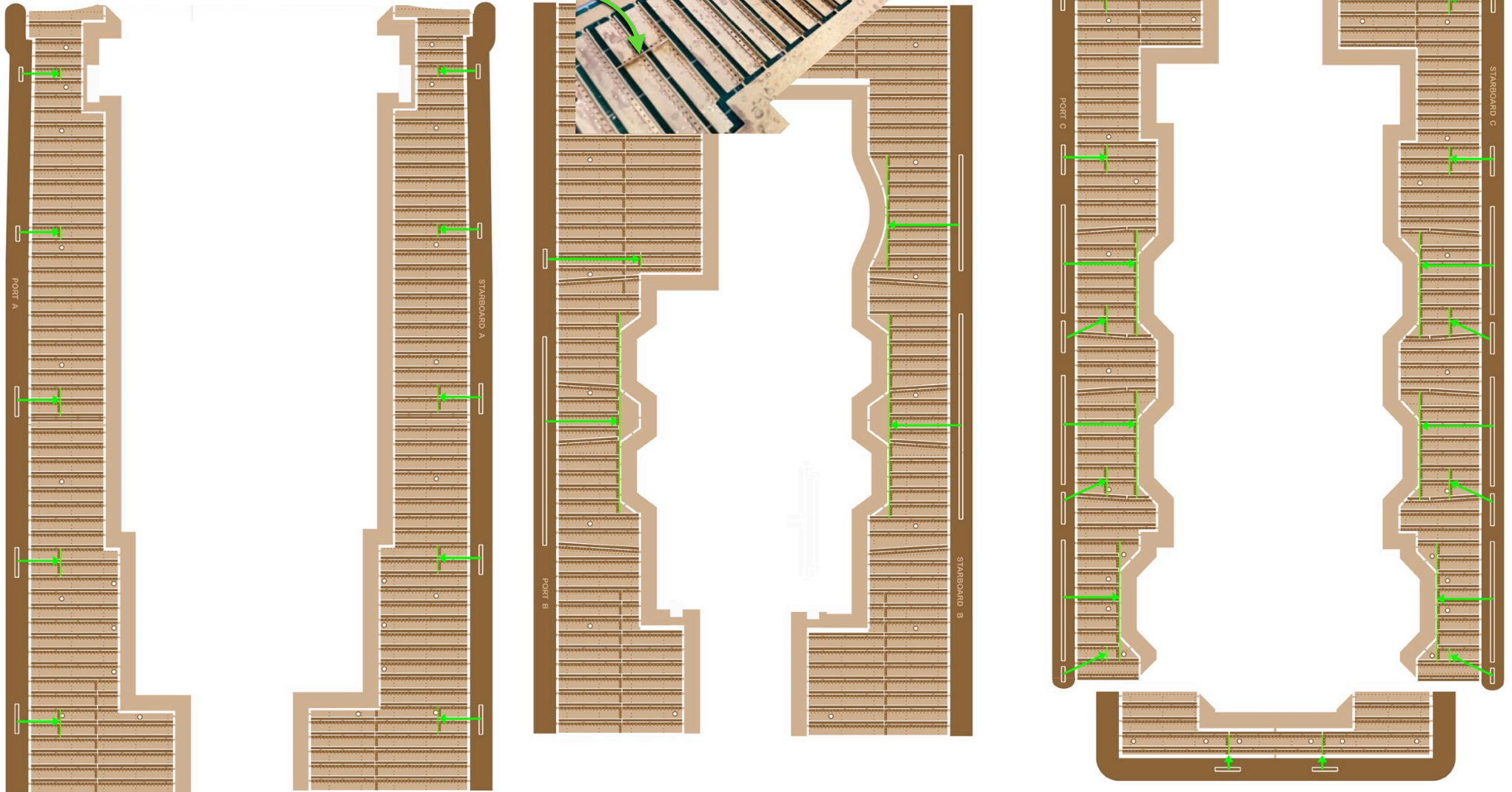
1. Work from Bow towards the Stern.
2. Be extremely careful as the beams are very delicate.

18

1. Add the Bridge beams to the Bridge section.
2. Fold C1 (Telegraph Shroud) and glue into place.
3. Ensure to use the slots in C1 that push onto the inner beams.



1. Add the parallel beams.
2. These beams are found on the outer support sprue inline with their intended location.





## PREPARE THE KIT SUPERSTRUCTURE PROFILES

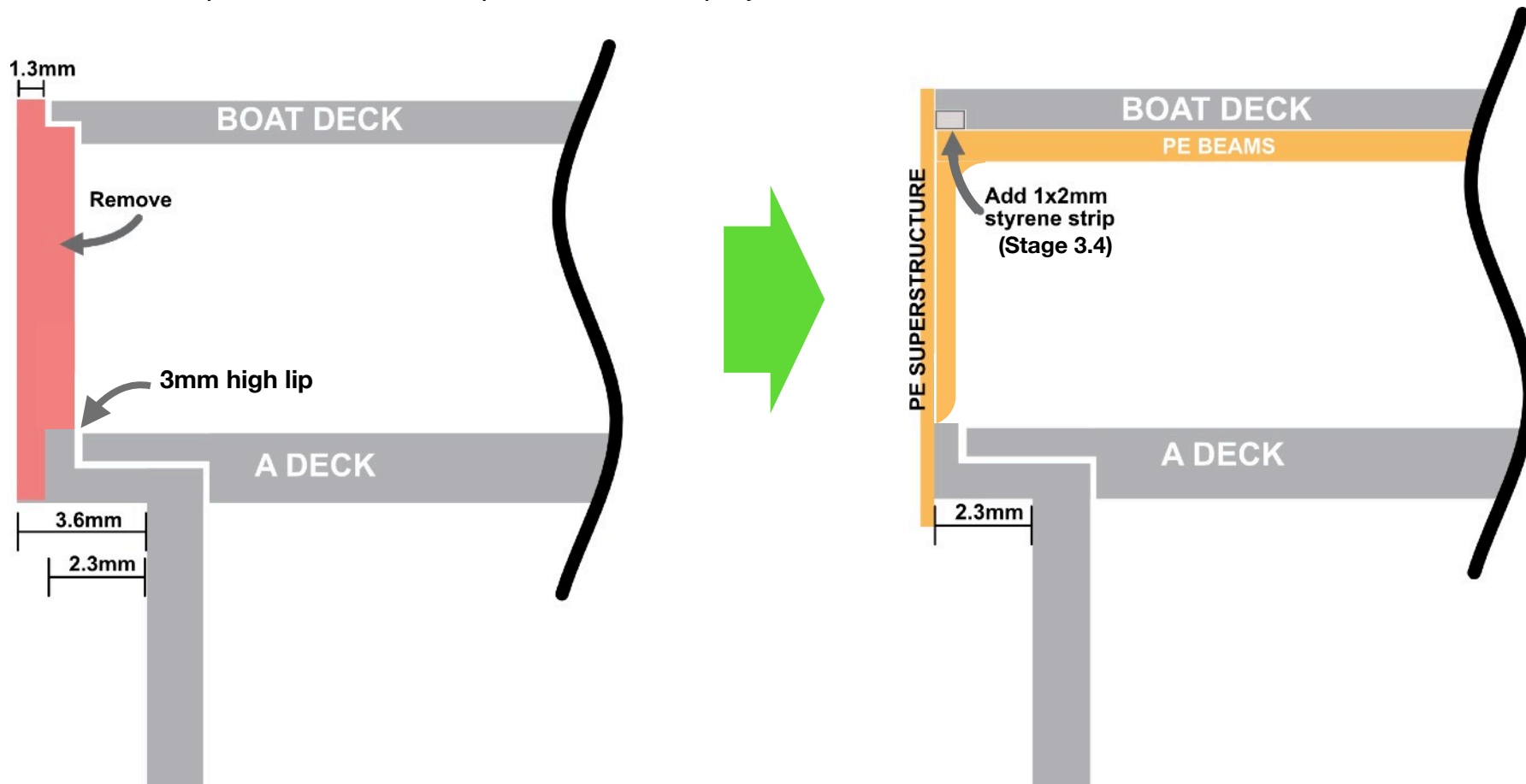
Follow this guide if you plan to use the kit's Superstructure Profiles.

Alternatively you can skip this step if you have purchased the 3D printed supports available on Shapeways.

### OPTION 1: IF USING A PHOTO ETCH SUPERSTRUCTURE (RECOMMENDED)

Much of the plastic must be removed so that the PE Superstructure fits secure and plumb to the Boat deck and A deck.

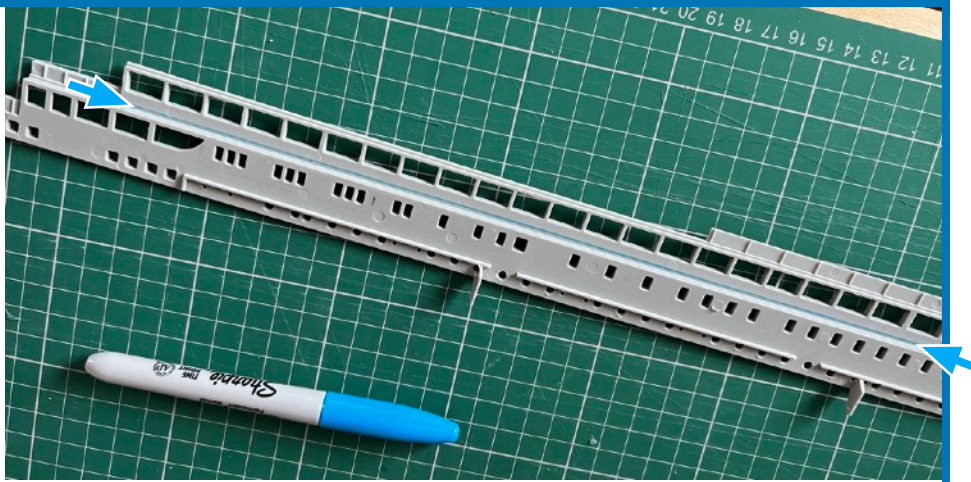
1. I recommend a Mini Table Saw to cut along the superstructure leaving a 3mm lip.
2. Then plane and sand the lip back so that it projects out 2.3mm.



## 20 - HOW TO CUT THE KIT PARTS TO SIZE

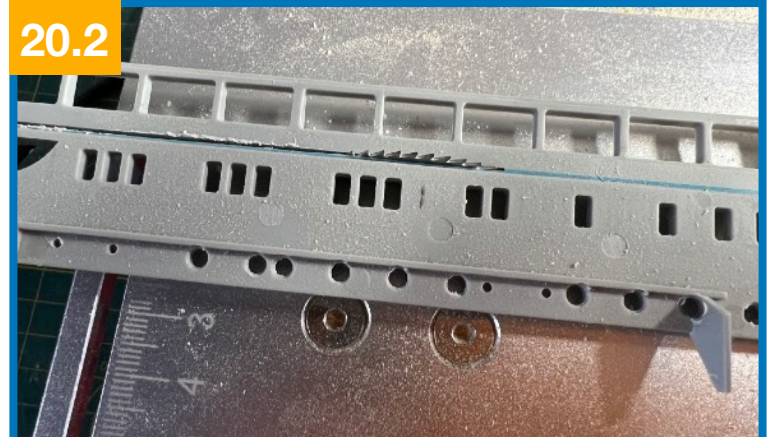
20.1

3mm  
CUT



Use a fine point marker to draw a cut line.

20.2



Use a Mini Table Saw and easily cut a straight line along the whole length of the Superstructure.

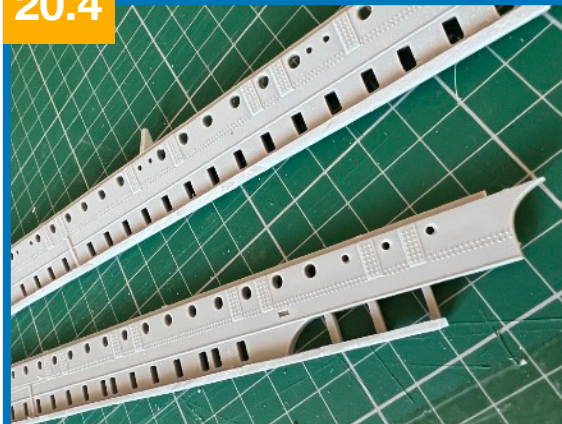
20.3

CUT



Now the step needs 1.3mm reducing. Use the guide on the Saw and set it to just over 1mm. Then carefully cut along the full length.

20.4



Clean all the parts up by sanding them smooth.



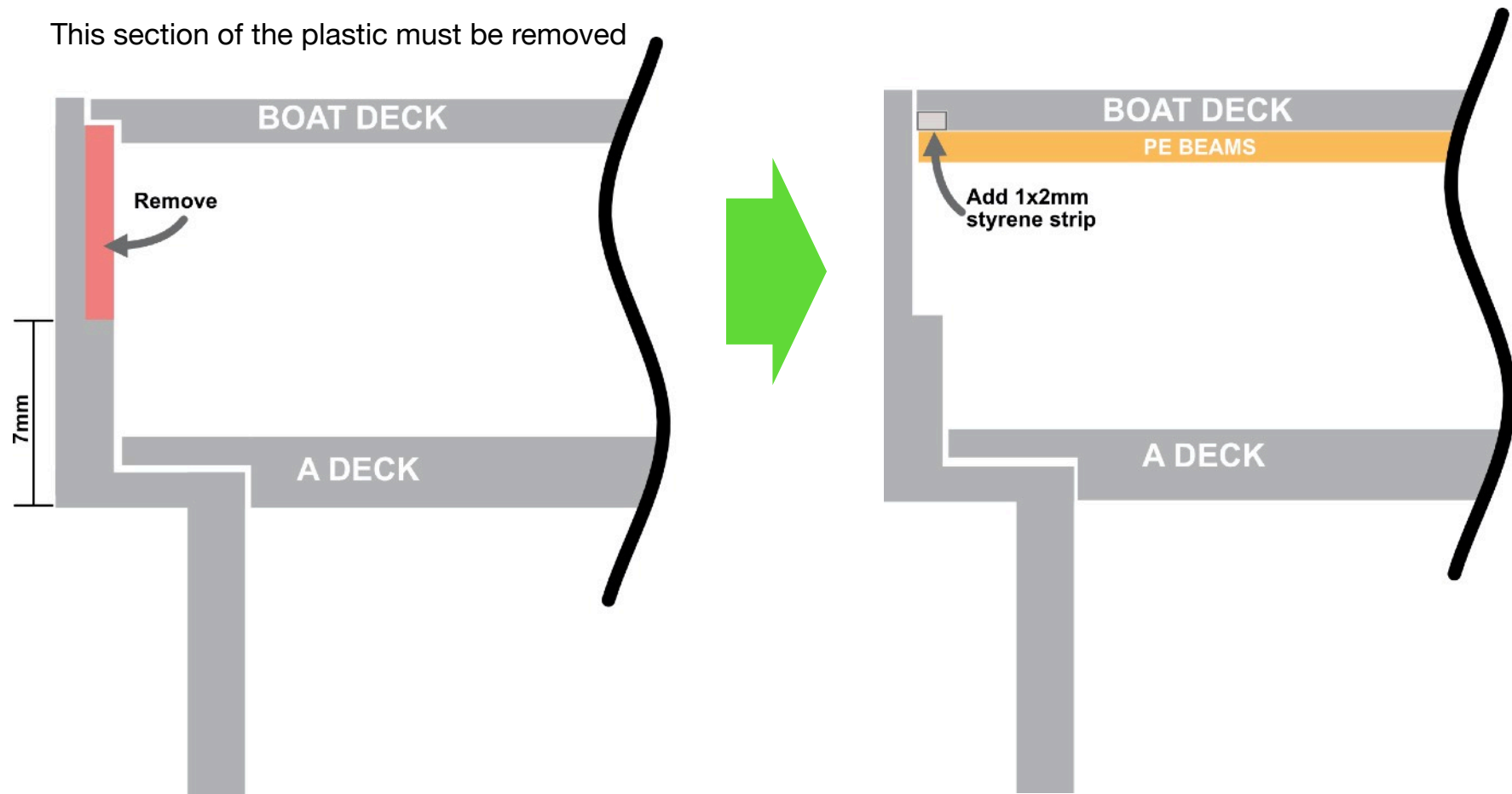
This example picture shows what the finished result should look like when using the other PE parts from sheets A and D.



## PREPARE THE KIT SUPERSTRUCTURE PROFILES

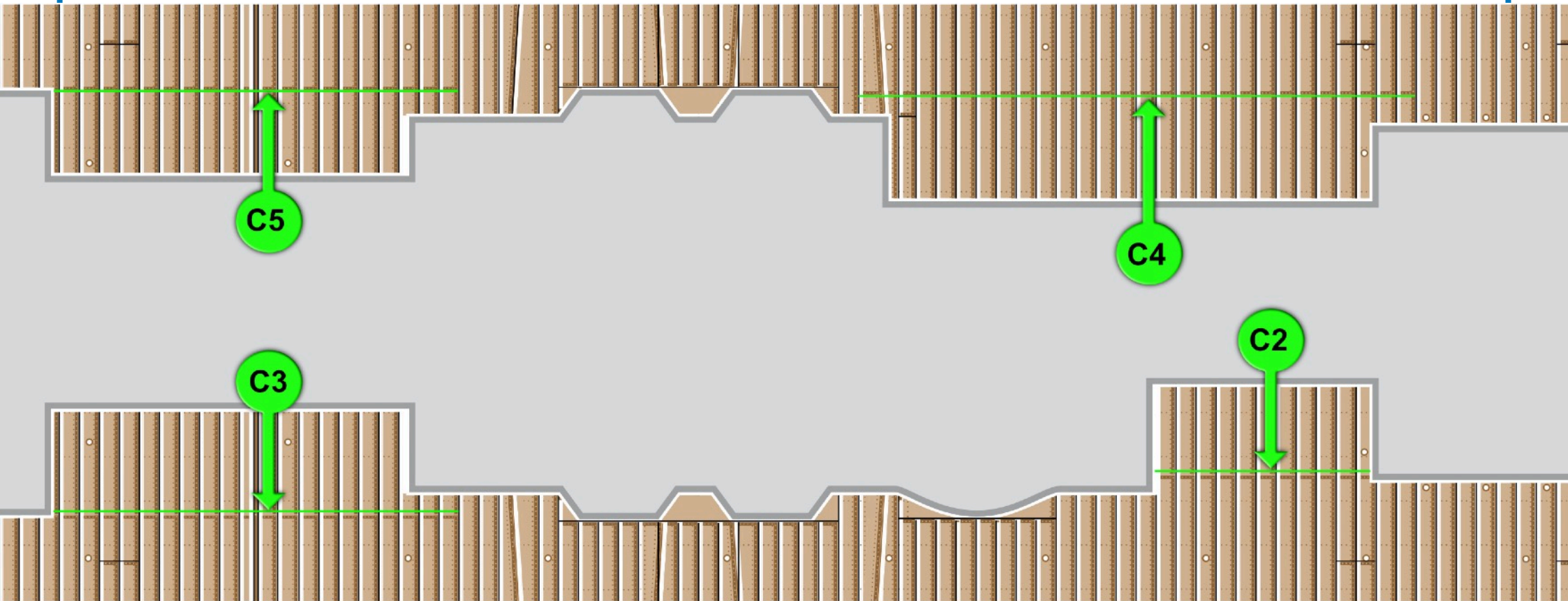
This I-beam sets works best if using the PE Superstructure. This is because the beams accurately line up with the vertical supports on the PE superstructure. Also the beams project to the very edge of the deck. So you will still need to remove material from the kit parts when using this I-beam set.

### OPTION 2: IF USING THE KIT SUPERSTRUCTURE



## GLUE THE BEAM SECTIONS TO THE DECK

1. Glue each Beam section to the deck.
2. Once the glue has set. Cut away both inner and outer support sprue's.  
(These are used to accurately space and position the beams. But must be removed after beam sections are secure to the deck)
3. Now you can add beams C2,C3,C4 & C5 into the positions below.

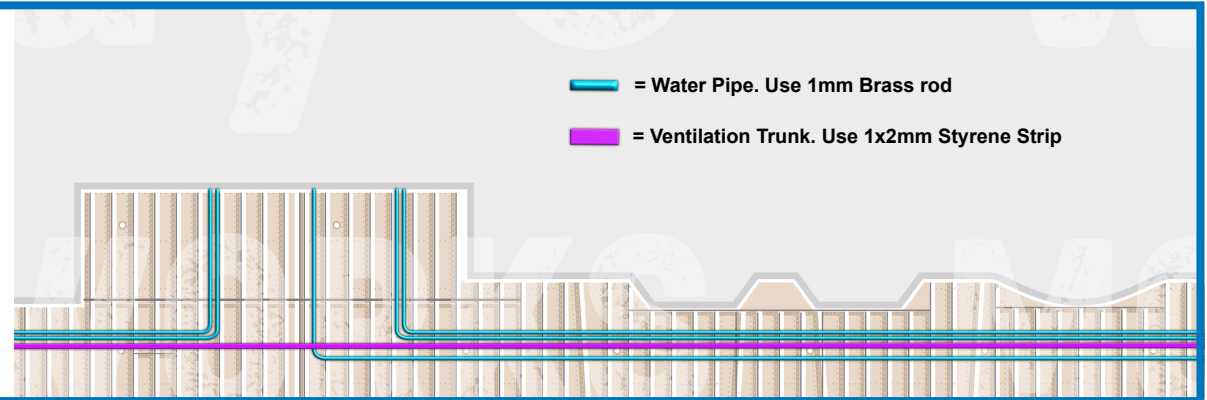




# FINISHING OFF!

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Use the separate guide if you want to also add the Water Pipes and Ventilation trunks to your beams.



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## PAINTING

1. Use Blu-Tak to cover the Light locations
2. I recommend using a metal primer before painting.
3. Airbrush the whole ceiling in matte White.
4. Hand paint the Light rims Black.

## NEED SUPPORT?

Seek support and advice in our Facebook support group. Search for WOODYS MODEL WORKS SUPPORT GROUP

Alternatively email me at:  
[woodysmodelworks@gmail.com](mailto:woodysmodelworks@gmail.com)

