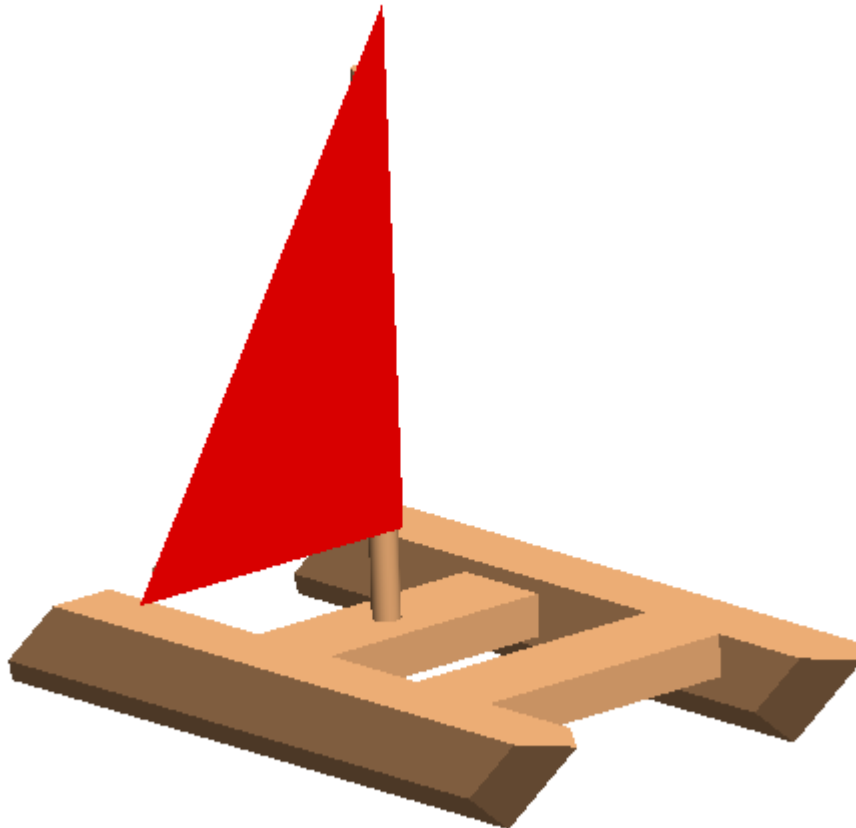


Catamaran Sailboat Project...



Name: _____



Name: _____

Design Situation/Brief:

Olympic Ireland have just been awarded major funds to help boost their Sailing Team in anticipation of the Tokyo 2020 Olympics. To help gain an advantage over their competitors, Olympic Ireland have decided to design a new Catamaran Sailboat that is quicker than any model currently available.

Olympic Ireland have requested for your help to develop this new design. The design for the sailboat 'body' must be quick and nifty, while a new 'sail' must also be designed to make the boat even more competitive.

(Underline any Key **words** & **information** from above).



Analysis of the Brief...

Key Words...	Meaning...

Key Information...

How will this impact upon my project...

--	--

--	--

--	--

What are your first thought and ideas !!!

What Key Considerations are important for this project design?

For your Catamaran Sailboat, there are two main areas in which your design input is required:

- Form/Shape of the Body
- New Sail Design

To get a better understanding of how these Catamaran Sailboats look and function, research is required..

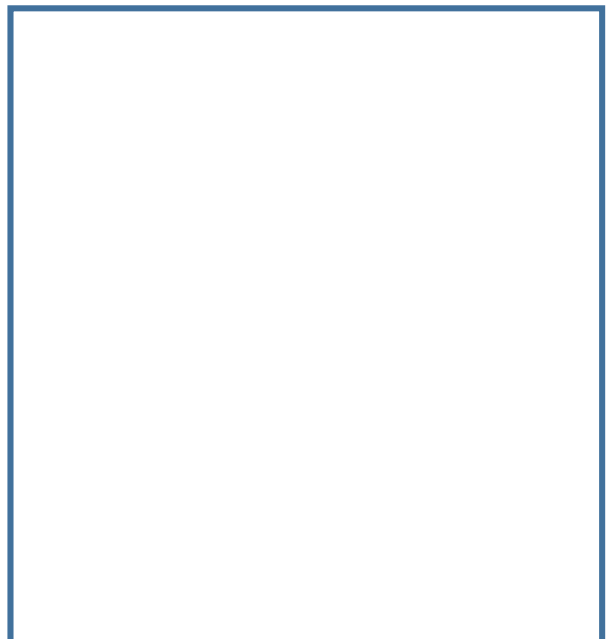
Where could you research such information ??

Whilst researching Catamarans, what did you notice about the body shape? How were they shaped? (Sketch 2 designs that you might like to use for your project in boxes below)

Body Design/Shape #1



Body Design/Shape #2



Investigation & Research...

When researching Catamaran Sailboats. What did you notice about the 'Sail designs'? How can you make sure your design is better? (Sketch 3 designs that you might like to use for your project in boxes below)

Sail Design #1



Why did you choose this design:

How is it better than the Sails you have Researched? _____

Sail Design #2



Why did you choose this design:

How is it better than the Sails you have Researched? _____

Sail Design #3



Why did you choose this design:

How is it better than the Sails you have Researched? _____

Peer Assessment/Feedback...

Comments....

What is your overall opinion of the Boat?
(Design, Make, Joints etc.)

List 3 Good points of this design?

1. _____

2. _____

3. _____

List any modifications you feel could improve the design of this project?
(Minimum of one suggestion)

Do you think this design meet the brief requirements? Explain?

How does this design compare to your design?

Student name: _____

Student Signature: _____

Self Evaluation...

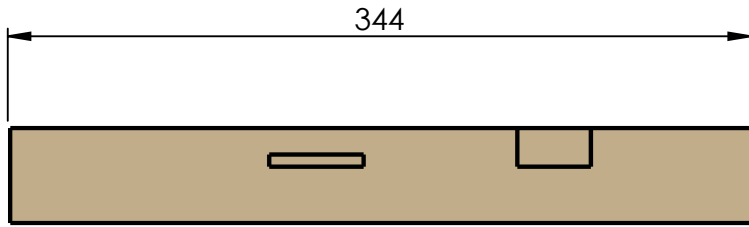
Does the project satisfy the design needs of the brief? How?

Are you happy with your final design? _____

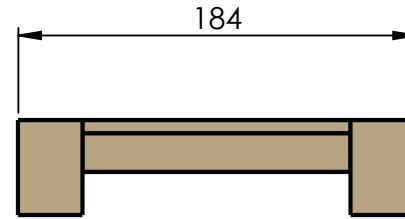
If so why? If not why? (Minimum 3 Points)

If you were to re-design your Catamaran, what changes or modifications would you make?

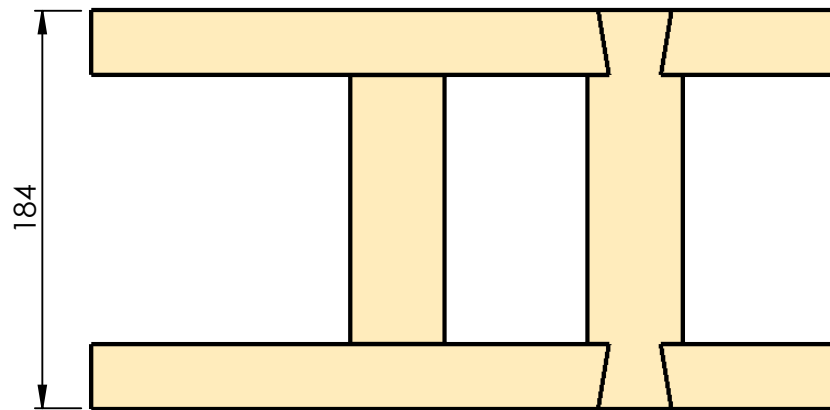
What did you learn from making this project?



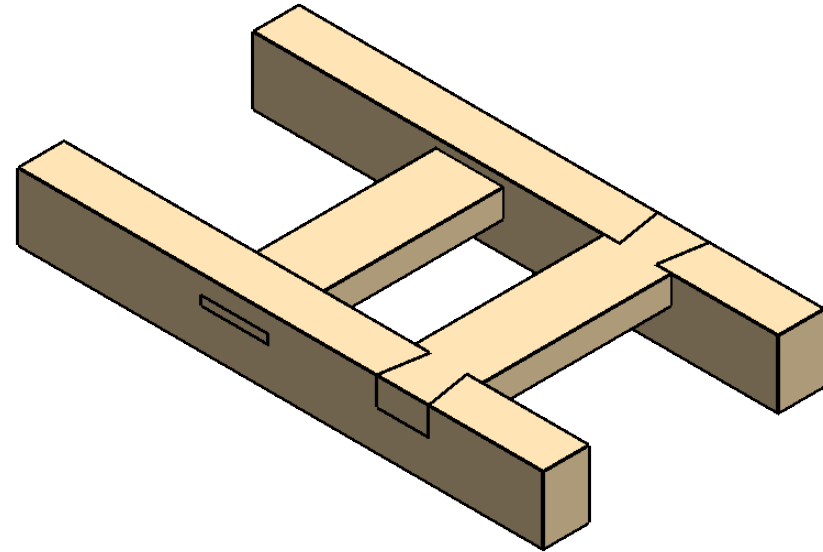
Elevation



End Elevation



Plan

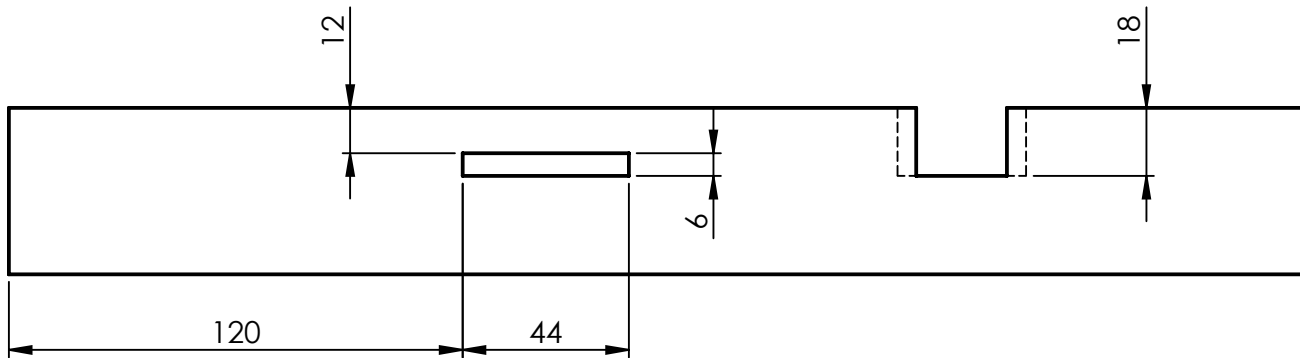
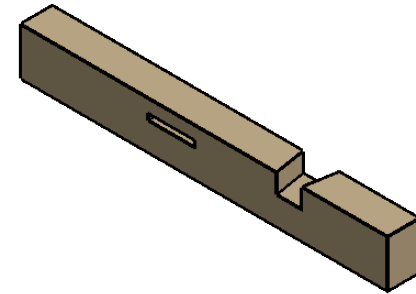


- Students will add their own Design/Shape to the Catamaran bases once all jointing work has been completed
- Dowels and Material will be supplied for Catamaran Sail

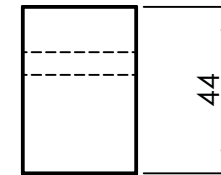
SIZE A4	 UNIVERSITY of LIMERICK UNIVERSITÉ DE LIMERICK
Title:	Assem1

Note: Left & Right bases are symmetrical. Mark Both Pieces together to ensure they are marked correctly..

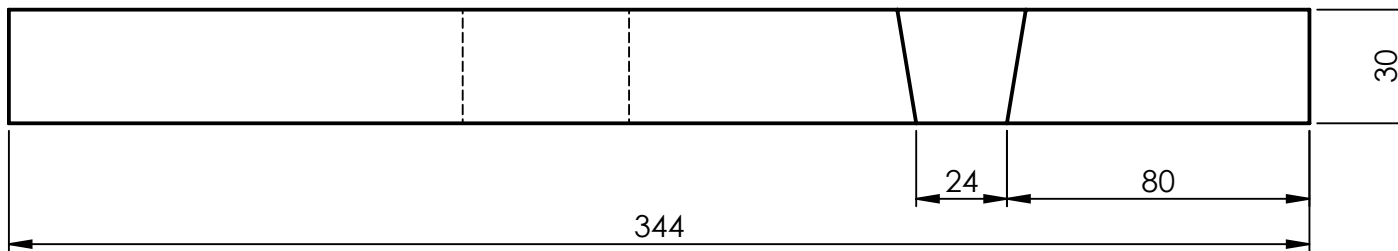
Dovetail Slope: Softwood 1:6
Hardwood 1:8



Elevation



End Elevation

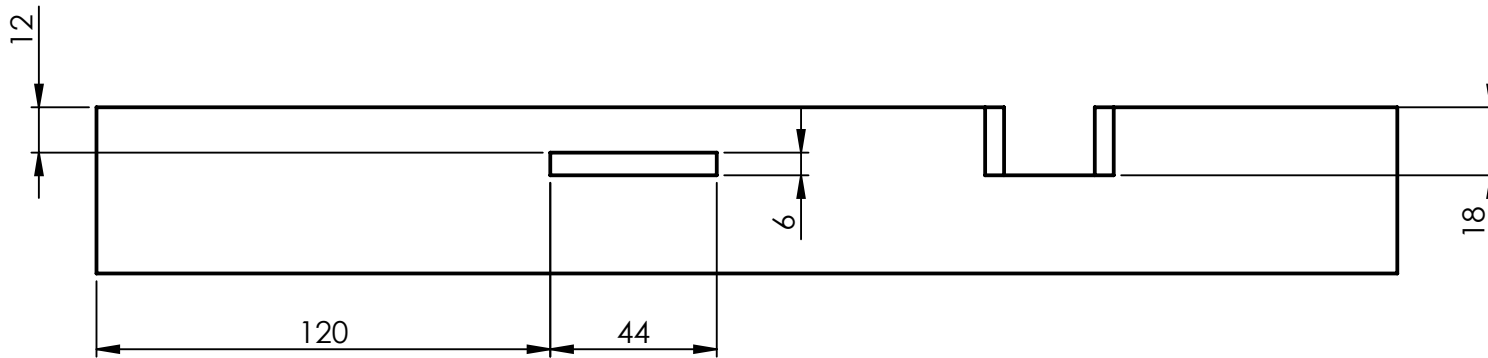
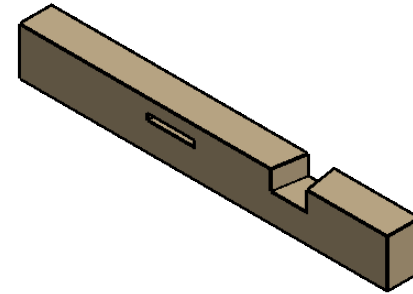


Plan

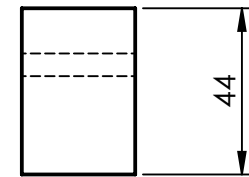
SIZE A4	 UNIVERSITY of LIMERICK UNIVERSITY OF LIMERICK
Title:	Part1 left base

Note: Left & Right bases are symmetrical. Mark Both Pieces together to ensure they are marked correctly..

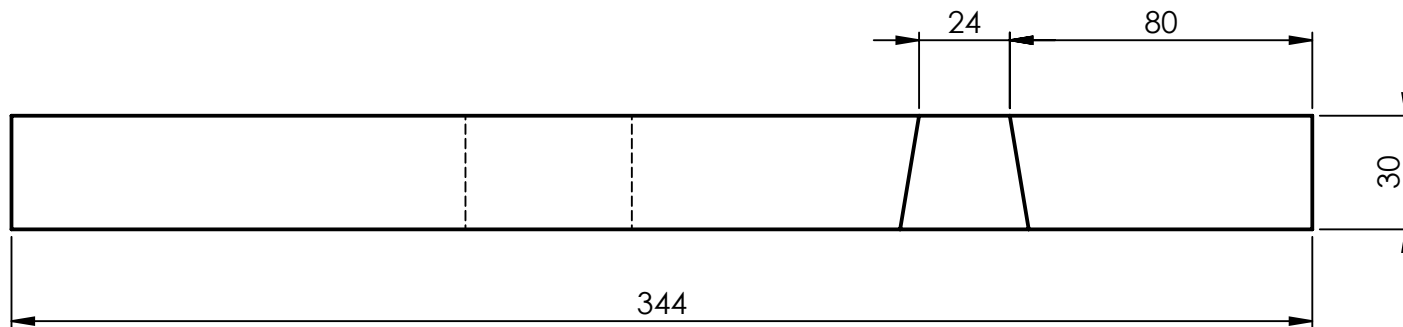
Dovetail Slope: Softwood 1:6
Hardwood 1:8



Elevation

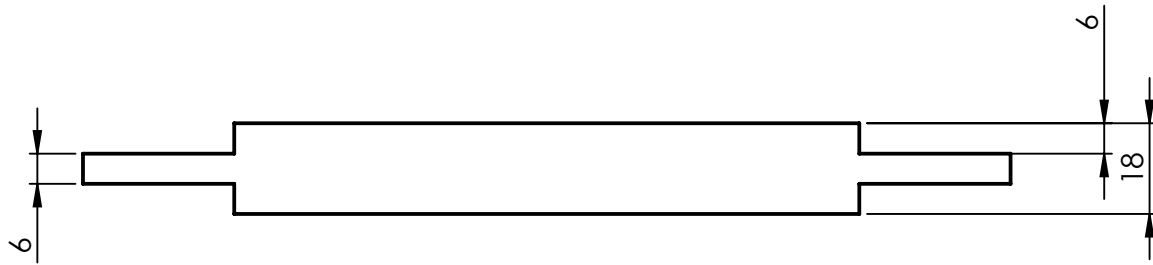


End Elevation

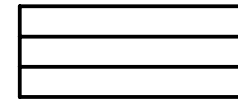


Plan

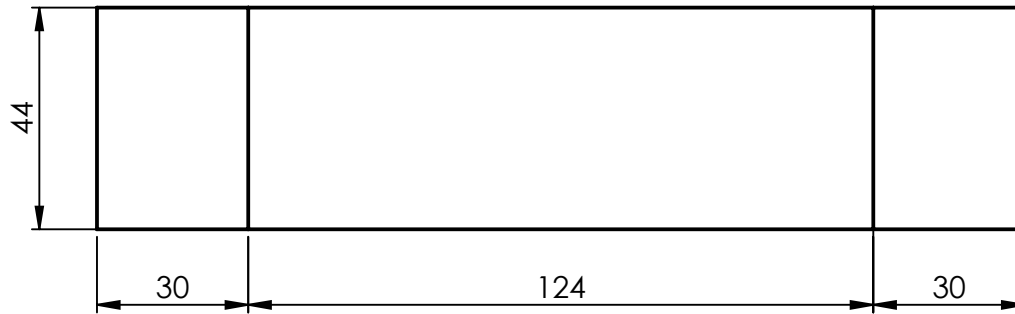
SIZE A4	 UNIVERSITY of LIMERICK UNIVERSITÉ DE LIMERICK
Title:	Part2 right base



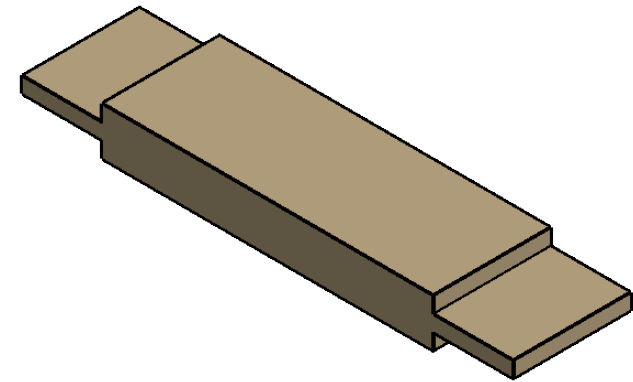
Elevation



End Elevation



Plan

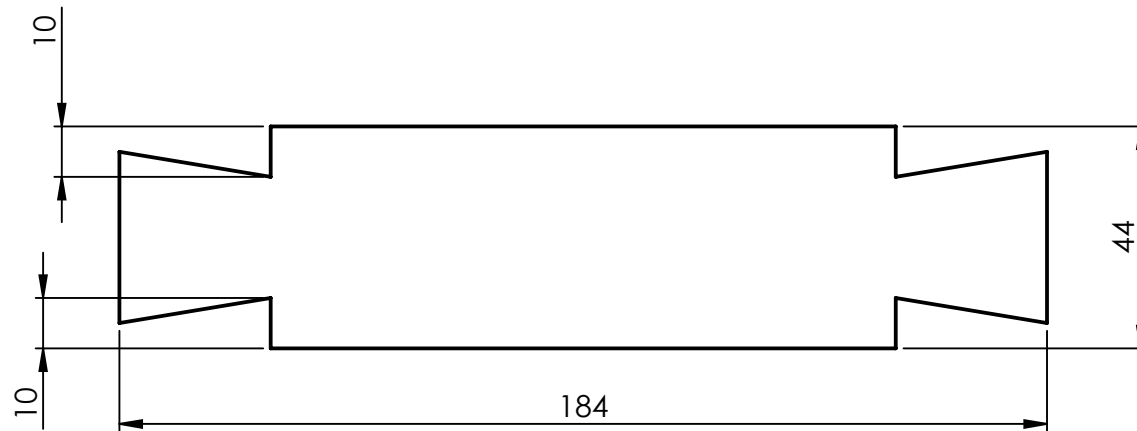




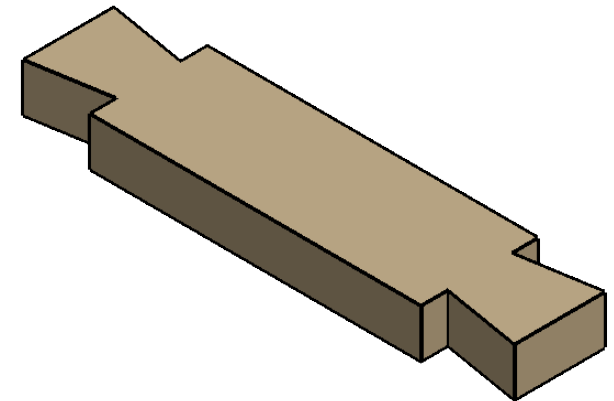
Elevation



End Elevation



Plan



Dovetail Slope: Softwood 1:6
Hardwood 1:8

SIZE A4	 UNIVERSITY of LIMERICK UNIVERSITÉ DE LIMERICK
Title:	dovetail cross section