

Bicycle Barn - Eco 2



Components:

Main parts

- 3 x steel feet
- 3 x oak legs
- 3 x recycled plastic curved ribs
- 1 x recycled plastic roof
- 2 x oak roof struts
- 1 x steel security bar
- 2 x recycled plastic roof ends

Fixings

- 6 x steel coach bolts (85mm for oak to rib)
- 6 x steel coach bolts (95mm for steel to oak)
- 18 x steel washers
- 12 x steel nuts (M8)
- 12 x steel dome nuts (M8)
- 6 x self tapping floor bolts
- 6 x anti tamper security steel screws
- 6 x roof strut to rib screws
- 4 x roof end to roof strut screws
- 2 x roof bolts with washers

coach bolts,
washers, nuts
& dome nuts

security
screws

coach bolts, washer
& dome nuts

roof end to
roof strut
screws

roof strut to rib screws

floor bolts

Basic Installation Instructions

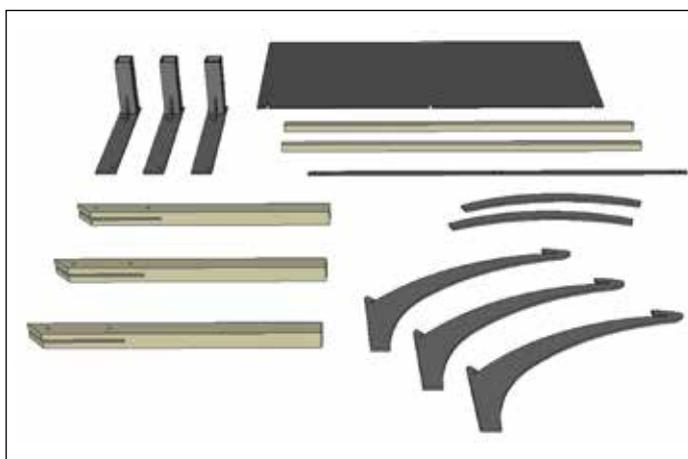
Make sure the ground is prepared, even and levelled. You'll need enough room to work and lay out the components. You'll need a drill, various drill bits, spanners / wrench, screwdrivers and ideally a spirit level.

1. Slot the oak legs into the steel feet and attach using 2 95mm coach bolts, 2 dome nuts & washers per leg. Finger tighten.
2. Slot the curved recycled ribs into the oak legs, so they poke out a little at the back and attach using 2 85mm coach bolts, 4 washers (1 either side against the wood), 2 nuts (if needed) and 2 dome nuts per leg. Again, finger tighten.
3. Position the legs correctly, then slide the roofing sheet into the back slots of the curved ribs to meet the slots in the roof. Clip the roof into the middle front rib slot by bending the roof sheet. It takes a fair amount of force to bend the roof into the rib and it will ping into place, so take care not to get your fingers caught. Slot the roof into the two end front ribs by slightly bending the ribs out. At this stage you'll have the basic structure. Please note there needs to be a 10mm gap between the front edge of the roof and the front curved rib slots to allow for expansion in very hot weather. The unique floating roof design allows for the recycled plastic to expand and contract with the seasons.
4. Once you are sure everything is straight and level, attach the black metal security bar to the oak legs using the 6 steel security screws (2 per leg) and a spirit level (or by eye if you don't have one). Drill guide holes and loosely attach at this stage, so you can remove the security screws by hand if necessary (once they are in tightly it will be impossible to unscrew them).
5. Attach the front and back oak roof struts to the curved ribs with screws. Leave a 1mm gap between the roof and the oak for drainage.
6. Screw the roof to the middle leg using the two roof screws with washers - 1.5cm from the back edge, through the roof into the oak. Two holes will need to be drilled for this. Finger tighten. This stage is optional if you can reach.
7. If screwing to a concrete, brick, stone or wooden floor, then using a drill, drill through the holes in the black metal feet and use 6 self tapping floor bolts to secure. Check the end of the bolts for the drill bit size.
8. Attach the roof ends to the roof struts with the small steel screws. Make sure these are the correct way around.

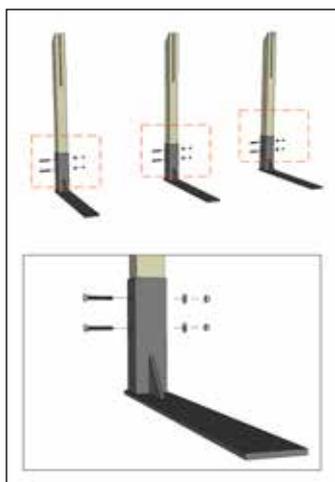
As soon as you are confident that everything is level and good (using a spirit level for each leg, the oak struts and the security bar) then tighten all the fittings, leaving the security bar tightening until last. Please remember that the security screws that attach the steel bar to the oak legs are designed so that no-one can unscrew them, so you must be confident that the Bicycle Barn is constructed correctly before you finally tighten these.



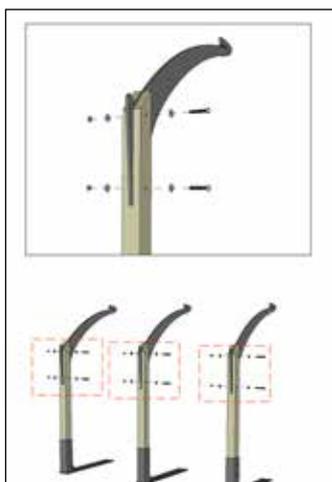
The finished Bicycle Barn



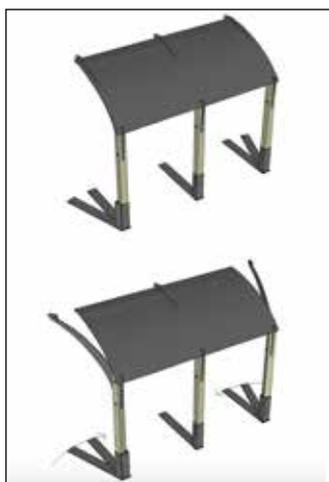
The main components



1. Slot the oak legs into the steel feet and attach using 2 coach bolts, 2 nuts and 2 dome nuts per leg. If you don't have an adjustable spanner or wrench kit, then the size is M8 or 13mm. Finger tighten.



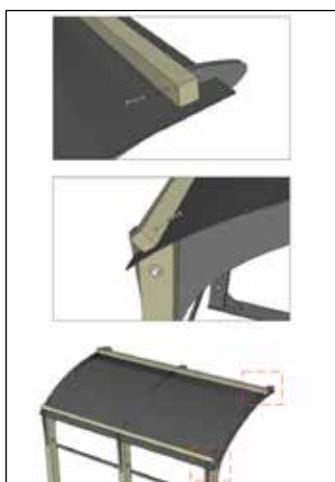
2. Slot the curved recycled ribs into the oak legs, so they poke out a little at the back and attach using 2 coach bolts, 4 washers (either side against the wood), 2 nuts and 2 dome nuts per leg (M8 or 13mm). Again, finger tighten.



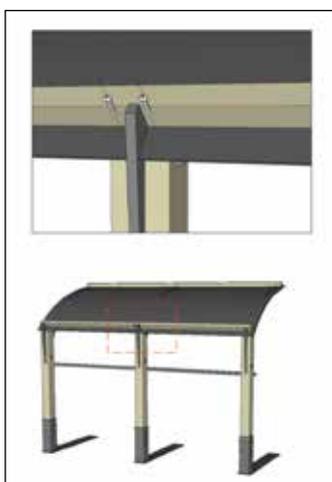
3. Position the legs correctly & slide the roofing sheet into the back slots of the curved ribs meeting the slots on the roofing sheet. Clip the roof into the middle front rib by bending the roof. Slot the roof into the two end front ribs by slightly bending the ribs out.



4. Once you are sure everything is straight and level, attach the black metal security bar to the oak legs using the 6 steel security screws (2 per leg) and a spirit level. Drill guide holes and loosely attach (once they are in tightly it will be impossible to unscrew them).



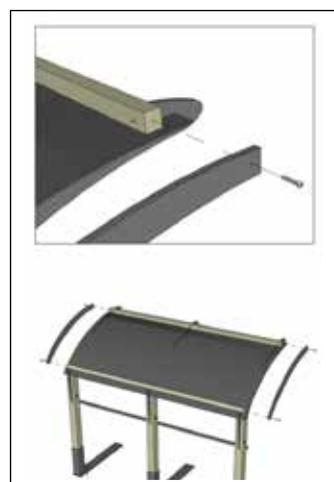
5. Attach the front and back oak roof struts to the roof with the curved ribs with 6 small steel screws. Leave a 1mm gap between the roof and the oak for drainage.



6. Optional: Screw the roof to the middle leg using the two roof screws with washers - 1.5cm from the back edge, through the roof into the oak. Holes will need to be drilled for this. Finger tighten.



7. If screwing to a concrete, brick, stone or wooden floor, then using a drill, drill through the holes in the black metal feet and use 6 self tapping floor bolts to secure.



8. Attach the top roof ends to the oak roof struts using the small steel screws. Make sure these are the correct way round so as to follow the curve of the rib.