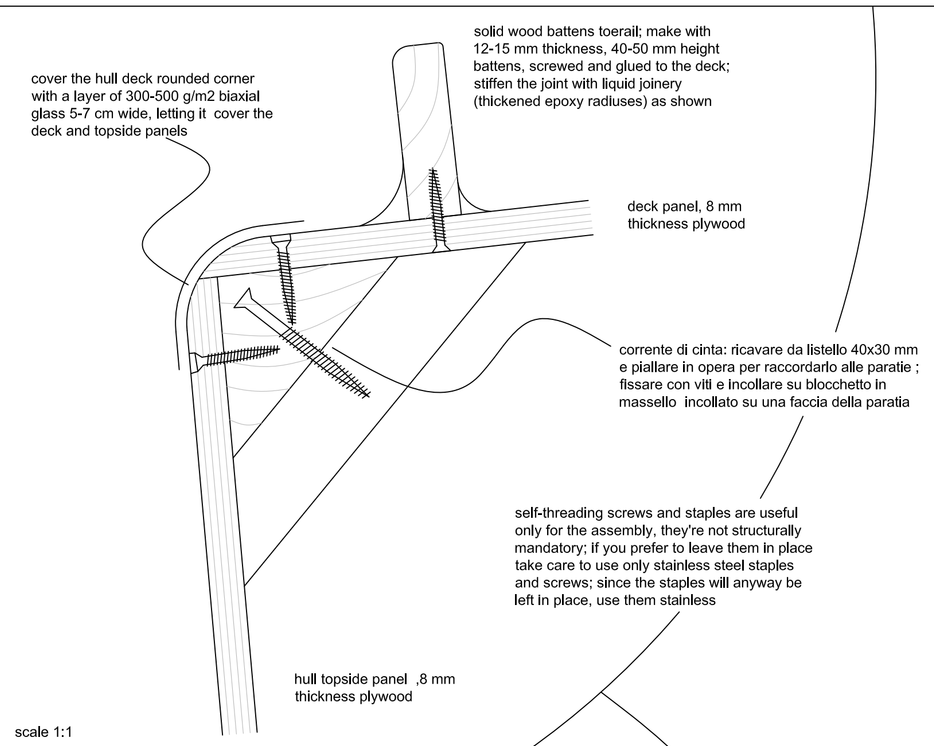
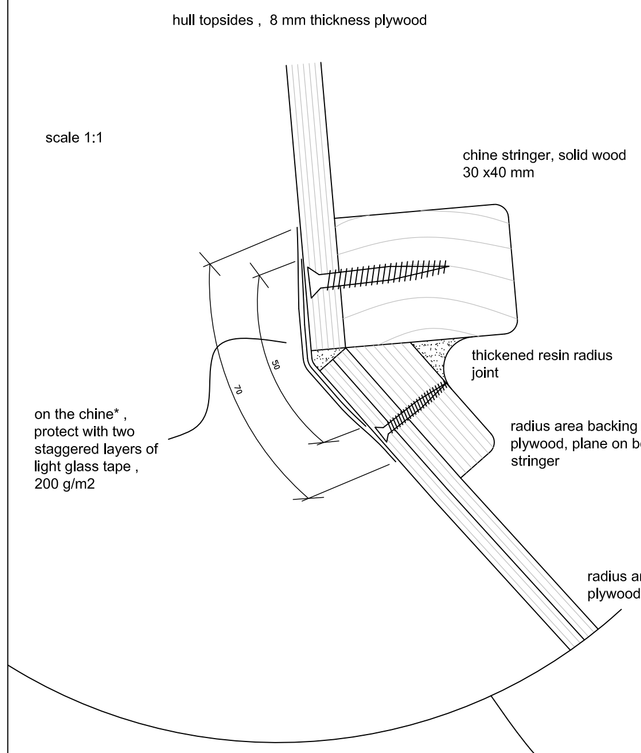
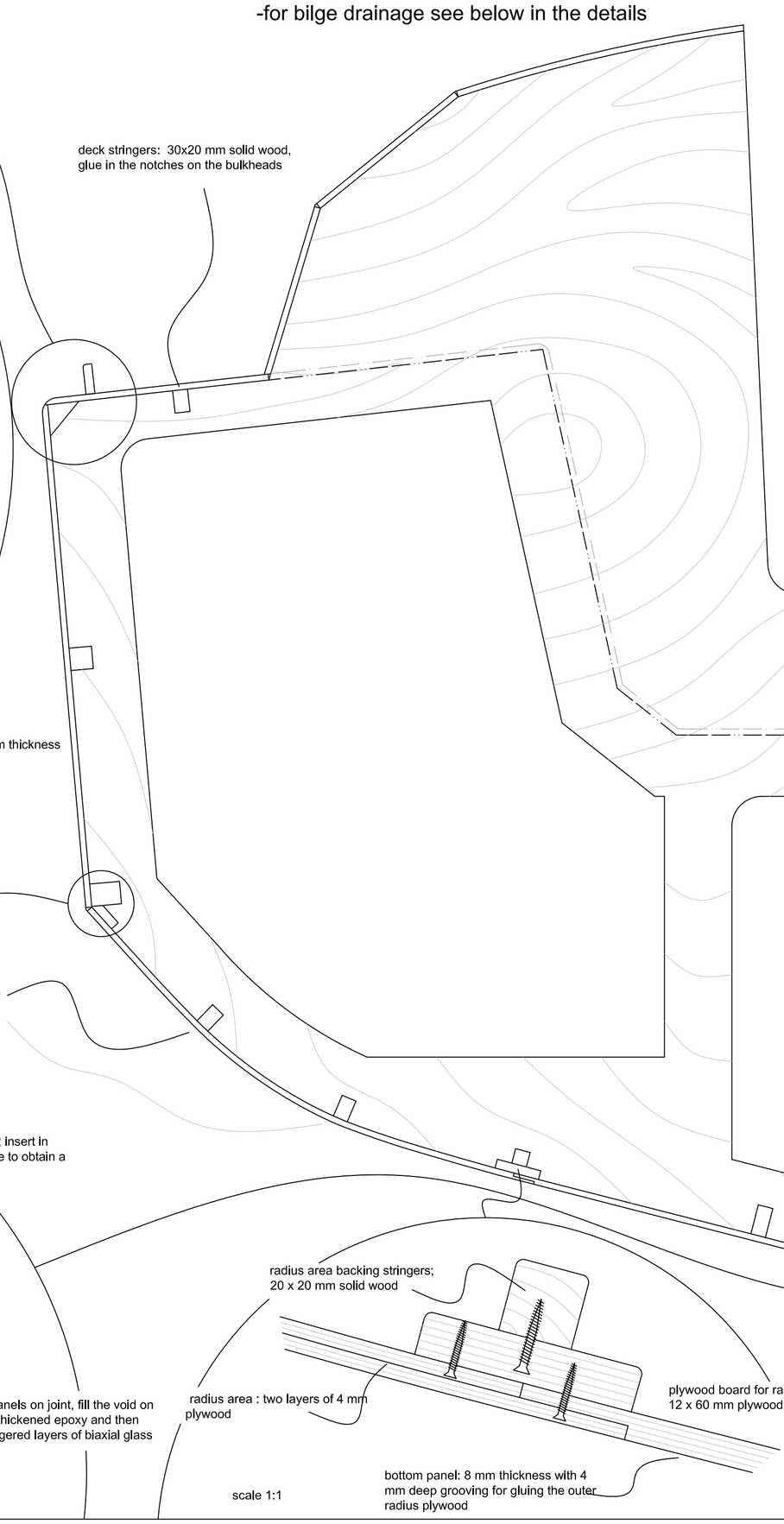
The bulkhead depicted in this drawing is the n.5, but the building details are valid for each bulkhead ; we suggest you to read this drawing together with the n.4 ; details are in 1:1 and 1:2 scale, while the bulkhead is in 1:5 scale

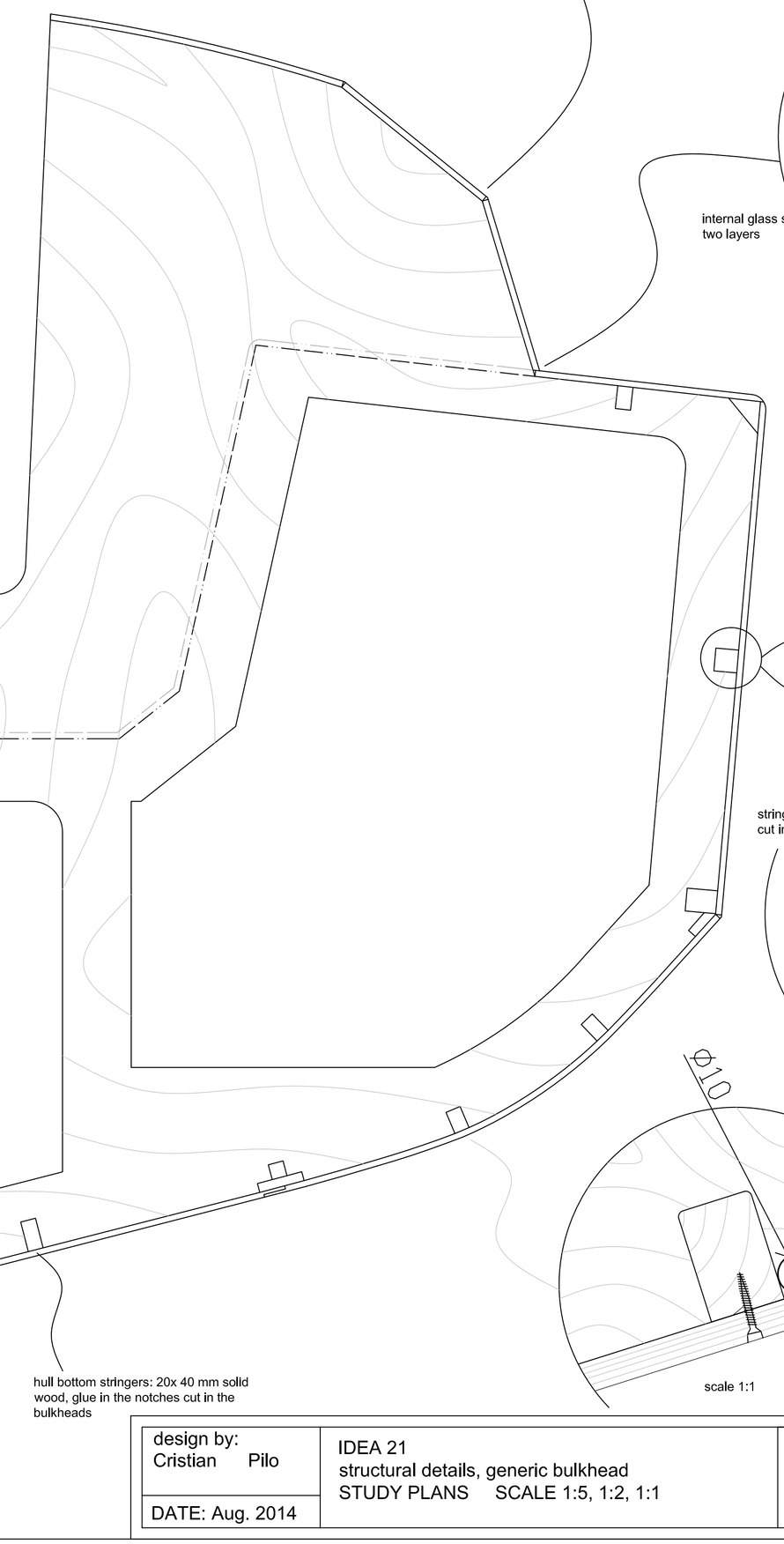
epoxy structural gluing and glass tape sheating:
-all works with glass fabric have to be made with wave roven glass fabric, or biaxial fabric (better the second one), weight 500 g/m2 , tape/patch width 5, 10 cm or intermediate
-on the bulkheads-hull panels joints make a thickened resin radius and then laminate a single layer of glass tape , width 70 mm, both on the forward and on the after side
-make a thickened resin radius among all the stringers and the hull panels (glass tape not required)
-beteween the keel beam and the bottom panels, make a large resin radius and a double glass layer (see below for detail)
-behave with floors as they're bulkheads: so epoxy radius and glass among them and bottom panels; for keel case floors see drawing 14
-among bulkheads and keel backbone, make a large epoxy radius and a double glass layer
-for bilge drainage see below in the details

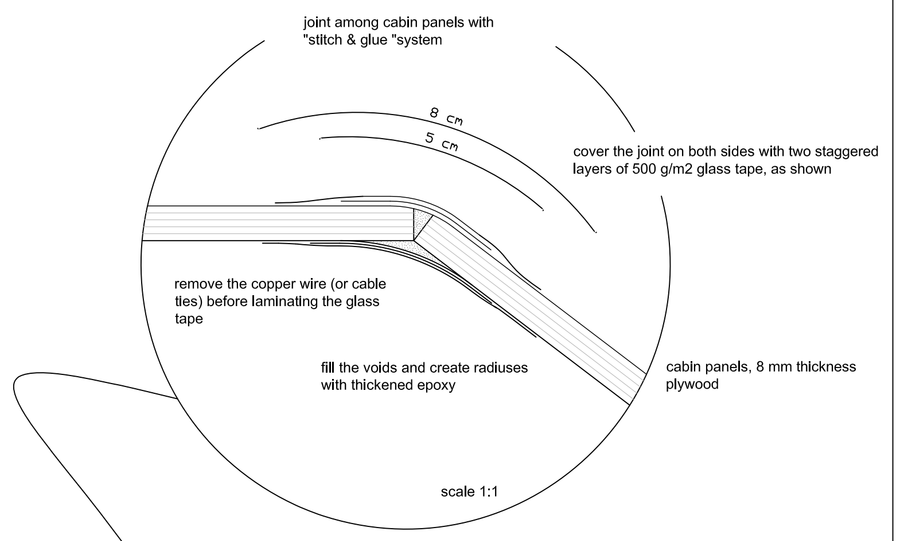
hull glass sheating: a complete hull glass sheating is not required for structural reasons, it's a good idea to cover the radius area with a light (200-250 g/m2) layer of biaxial glass epoxy laminated, to have a better and longer lasting fairing

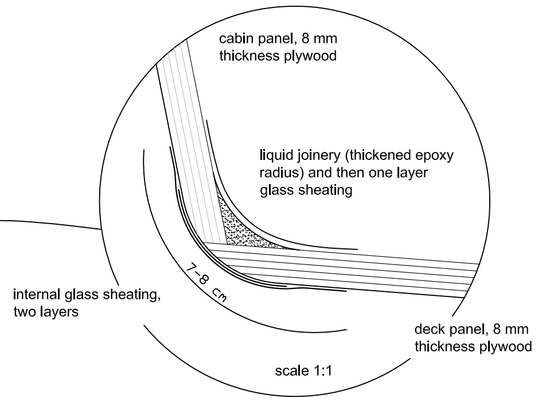


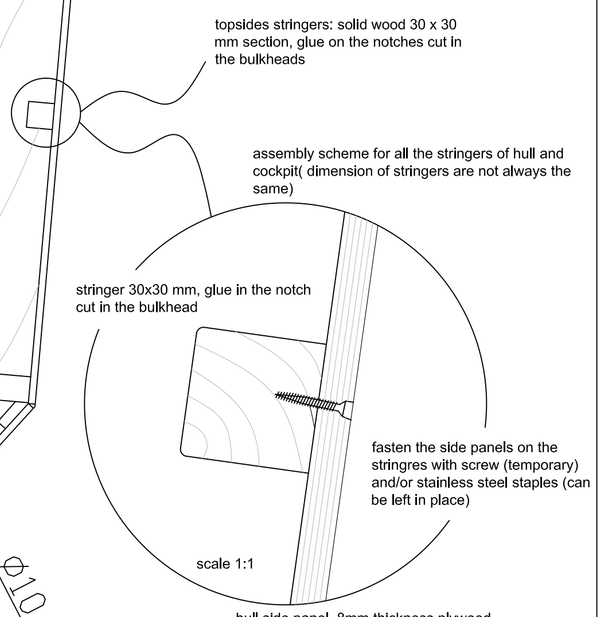



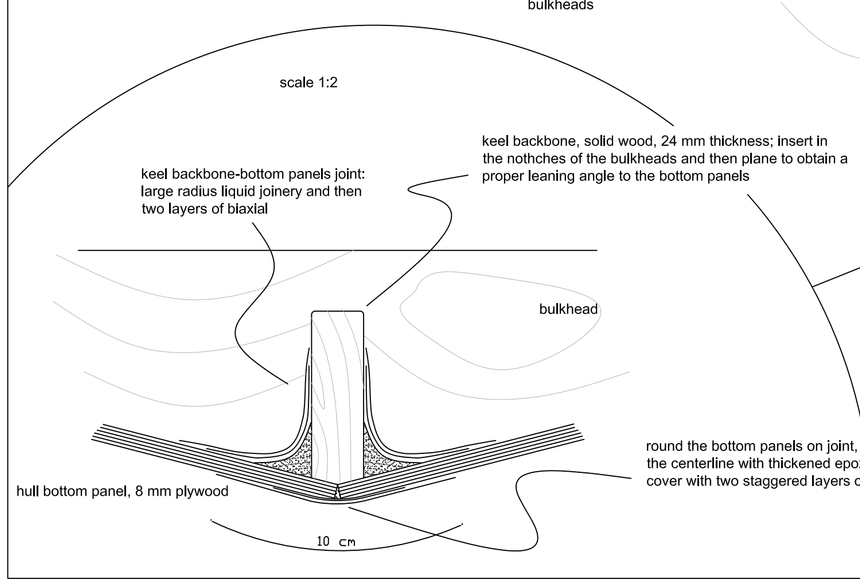









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| design by: Cristian Pilo<br>DATE: Aug. 2014 | IDEA 21<br>structural details, generic bulkhead<br>STUDY PLANS SCALE 1:5, 1:2, 1:1 | Via Argentina 52, 09042, Monserrato (CA), Italy<br>crispilo@tiscali.it<br>www.modernwoodenboat.com |