

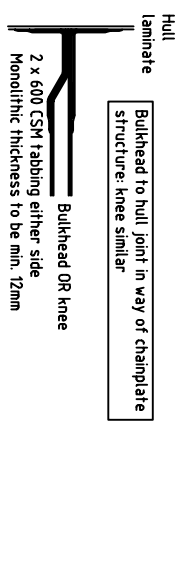
DECK CONSTRUCTION
Deck is to be cambered to constant radius of 20ft. with polyester resin, "E" glass, Corecell and polyurethane sections; for hand lay up. Construction is to comply with Daring Class Association Rules for Construction, including resin / glass ratios, unless otherwise noted.

FITTINGS
All loaded deck fittings should be through-bolted with oversize backing plates. High load items land mainly in monolithic areas of deck. Loaded items in cored areas will require compression tubes. No fittings to be screwed.

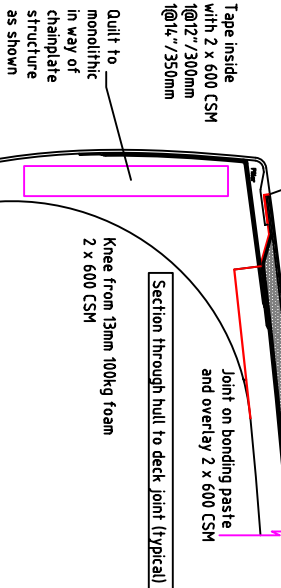
WINCH POSITIONS
The monolithic sections should accommodate the majority of existing winch positions, in line with existing class drawings. If winches are to be fitted in cored areas, these will need quilting to monolithic.

TOE RAILS & BREAKWATER
Owner's preference regarding material, height, form etc. Toe rails may be as per deck beams, bonded to deck with bonding paste.

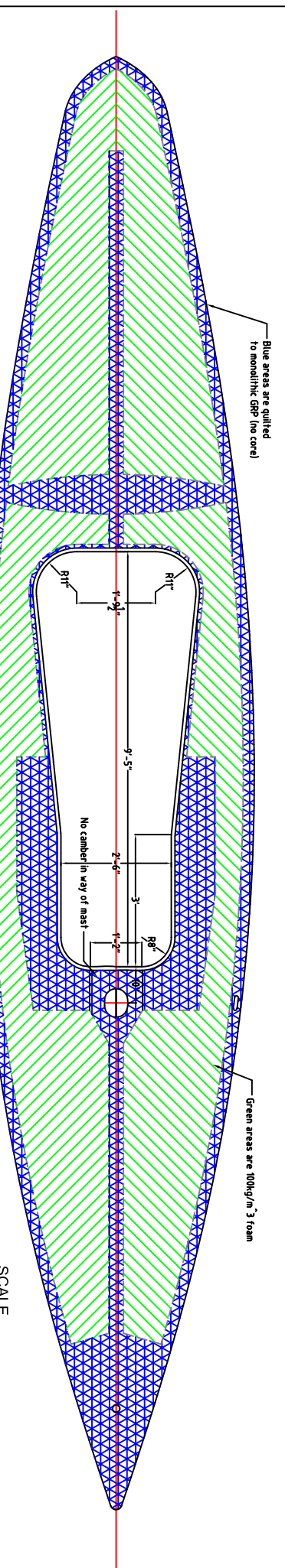
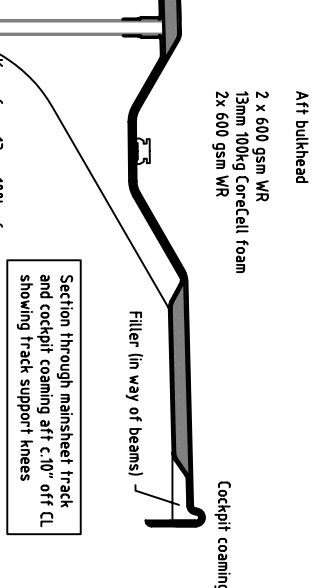
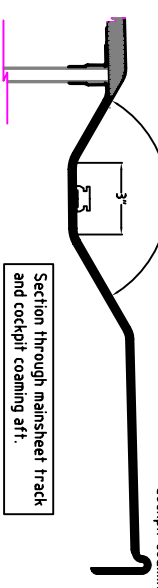
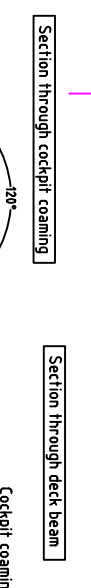
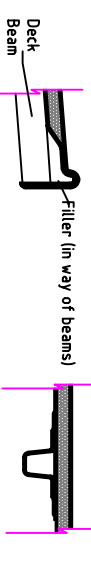
DETAILS AT 1:6



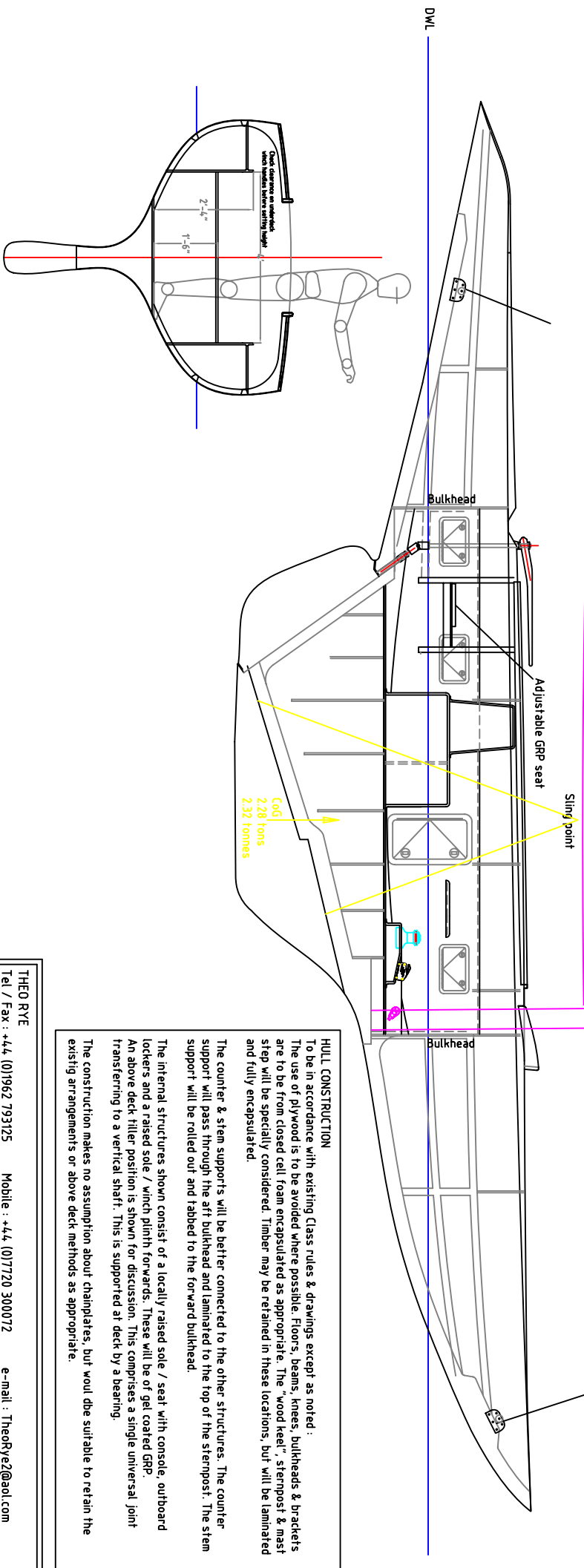
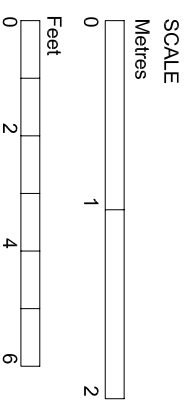
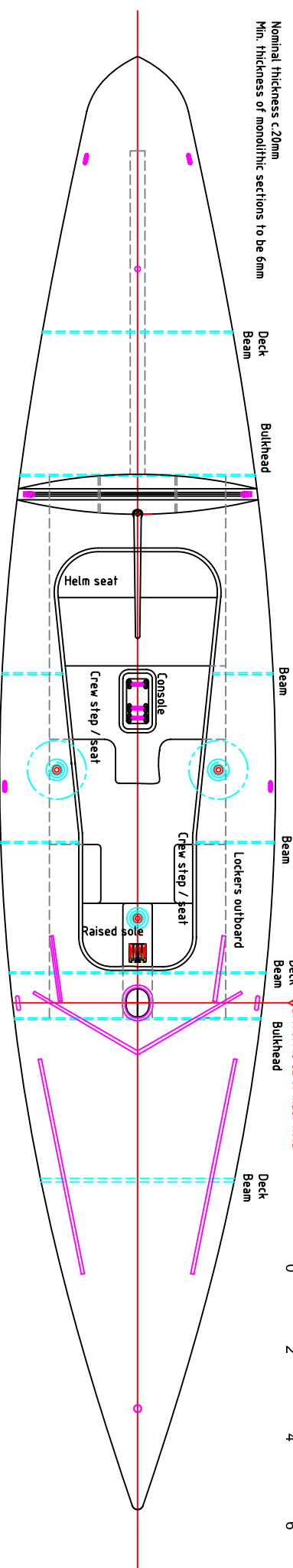
Hull to deck joint is based on existing class drawings and may need to be specially considered. Red line indicates suggested joint



Deck beam formers of PU foam c. 25 / 20 x 30mm overlaid by 2 x 600 CSM



DECK LAY-UP
2# Gel coats
1# 300 CSM
2# 600 CSM
13mm core 100kg/m³ Corecell or equivalent
2# 600 CSM
Plus 1# 600 CSM in monolithic areas
Nominal thickness c.20mm
Min. thickness of monolithic sections to be 6mm



HULL CONSTRUCTION
To be in accordance with existing Class rules & drawings except as noted:
The use of plywood is to be avoided where possible. Floors, beams, knees, bulkheads & brackets are to be from closed cell foam encapsulated as appropriate. The "wood keel" stempost & mast step will be specially considered. Timber may be retained in these locations, but will be laminated and fully encapsulated.
The counter & stem supports will be better connected to the other structures. The counter support will pass through the aft bulkhead and laminated to the top of the stempost. The stem support will be rolled out and rabbled to the forward bulkhead.
The internal structures shown consist of a locally raised sole / seat with console, outboard lockers and a raised sole / winch plinth forwards. These will be of gel coated GFR.
An above deck tiller position is shown for discussion. This comprises a single universal joint transferring to a vertical shaft. This is supported at deck by a bearing.
The construction makes no assumption about chaintplates, but would be suitable to retain the existing arrangements or above deck methods as appropriate.

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Project
DARING

DWG : Construction
DATE : 27-Feb-09
SCALE : 1:4.0 except as noted
DRAWN : TRye

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