

## Design 155 – Basic Specifications

Frames & floors	3 layers of 6mm ply, epoxy bonded.
Transom	3 layers of 6mm ply, epoxy bonded.
Fashion pieces	3 layers of 6mm ply, epoxy bonded.
Shelves	12mm x 50mm Mahogany, Douglas Fir or similar.
Chine pieces	12mm x 50mm Mahogany, Douglas Fir or similar with thickened epoxy to make chine angle. Can also be 2 layers of 12mm Mahogany, Douglas Fir or similar, epoxy bonded and cleaned off to chine angles.
Backbone	8 layers of 12mm ply, epoxy bonded. Incorporates centrecase.
Hull Sskin	9mm ply.
Deck stringers	20mm x 12mm Mahogany, Douglas Fir or similar.
Deck carlings	25mm x 12mm Mahogany, Douglas Fir or similar.
Foredeck beam	3 layers of 6mm ply, epoxy bonded.
Decking	6mm ply.
Watertight partitions under sidedecks	6mm ply.
Side benches, thwarts knees, pads etc.	2 layers of 9mm ply, epoxy bonded.
Floorboards	Can be solid timber or ply – generally 12mm to 15mm thickness.
Centreboard	3 layers of 6mm ply, epoxy bonded.
Centreboard weight	Approx. 10kg lead shot.
Centreboard insert	6mm, 316 stainless steel.
Centreboard hoist plates	4mm, 316 stainless steel
Outboard well components	9mm ply.

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Rudder core	12mm ply.
Rudder blades	15mm ply, epoxy bonded.
Rudder cheeks	12mm ply, epoxy bonded.
Rudder board	9mm ply + approx 3kg lead shot. Bronze pivot bush.
Tiller	15 off 3mm laminates, epoxy bonded.
Rudder fittings	Classic Marine or similar.
Mainmast	Douglas Fir, Russian Redwood , Silver Spruce or similar, density < 450kg/m <sup>3</sup> . Hollow construction. 5110mm total finished length. Diameter 70mm at heel, 52mm at hounds and 46mm at head.
Main boom	Douglas Fir, Russian Redwood , Silver Spruce or similar, density < 450kg/m <sup>3</sup> . Hollow rectangular construction. 2800mm total finished length. Maximum section 60mm x 85mm, tapering to ends.
Main yard	Douglas Fir, Russian Redwood , Silver Spruce or similar, density < 450kg/m <sup>3</sup> . Hollow construction. 3185mm total finished length. Diameter 50mm.
Bowsprit	Douglas Fir, Russian Redwood , Silver Spruce or similar. Solid construction. 1153mm total finished length. Diameter 45mm.
Eyes & bands	Bronze, Classic Marine or similar.
Mast fittings	Fabricated. 316 stainless steel, or PB102 phosphor bronze, or mild steel, hot dip galvanized.
Deck fittings	Fabricated main sheet horse (316 stainless steel, or PB102 phosphor bronze, or mild steel, hot dip galvanized). Classic Marine or similar shroud plates, fairleads, cleats etc. RWO or similar tracks and cars, and tiller extension.
Waterbreak trim	40 x 13 Mahogany or similar.
Bonding & coating	WEST system epoxy resins with suitable fillers for bonding. WEST system resins for coating – minimum 3 coats inside and out. Final protection can be UV resistant clear coating (varnish) or pigmented coatings (paint).