Lines Plan

This design is a cedar strip/epoxy solo canoe meant to be propelled with a double paddle, an easily portable design aimed at those who enjoy tripping. Available as a kit or, for those who want to build from scratch as a set of plans.

Summary of Required Bits & Pieces

65 Cedar strips 14 to 15 ft. [4.3 to 4.6 m.] long

Ash or other suitable wood for Gunnels

Wood for Thwart (dowel 1 1/4 in. x 3')

Wood for Decks

Wood to laminate Stem & Stern

Glass cloth for sheathing

Epoxy

Foot braces

Seat w/ backrest - there are a number of options

Options

Accent woods for use when stripping
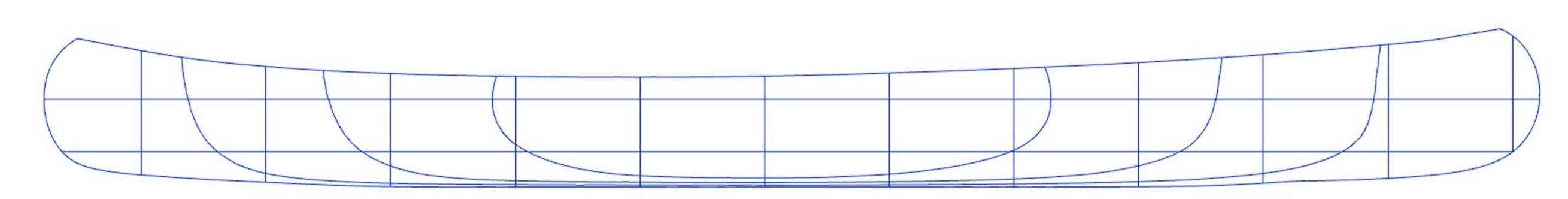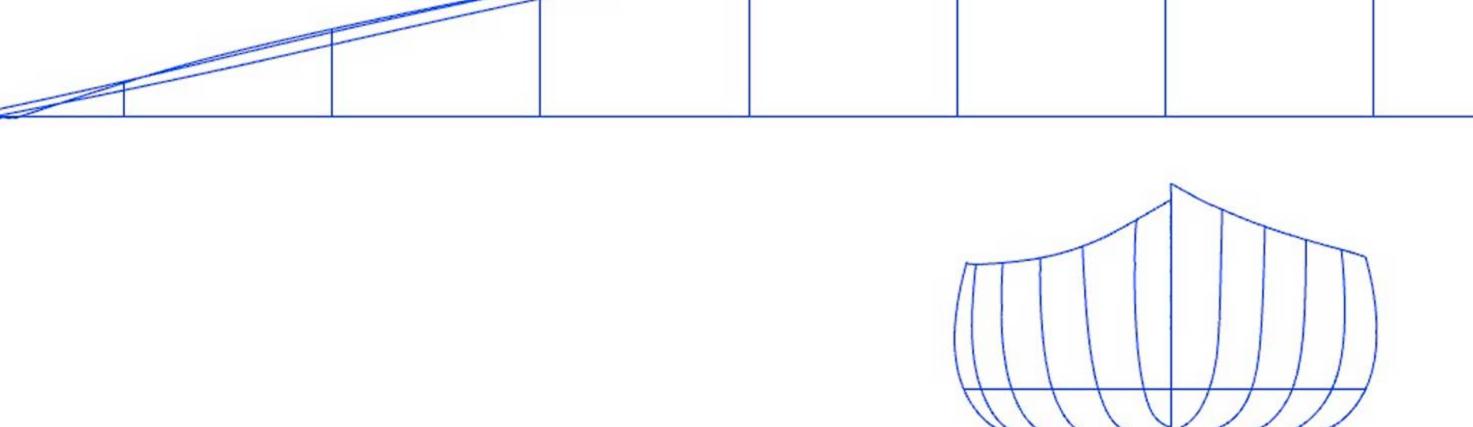
Wood to make base for adjustable seat

Length 14 ft.   4.26 m.

Max. Beaam 29 in.   73 cm.

Beam @ Sheer 27.4 in.   70 cm.

Weight* 39 lbs.   18 kg.

Displacement @ 2 in. [50mm] 109 lbs.   49 kg.

Displacement @ 3 in. [75mm] 193 lbs.   87 kg.

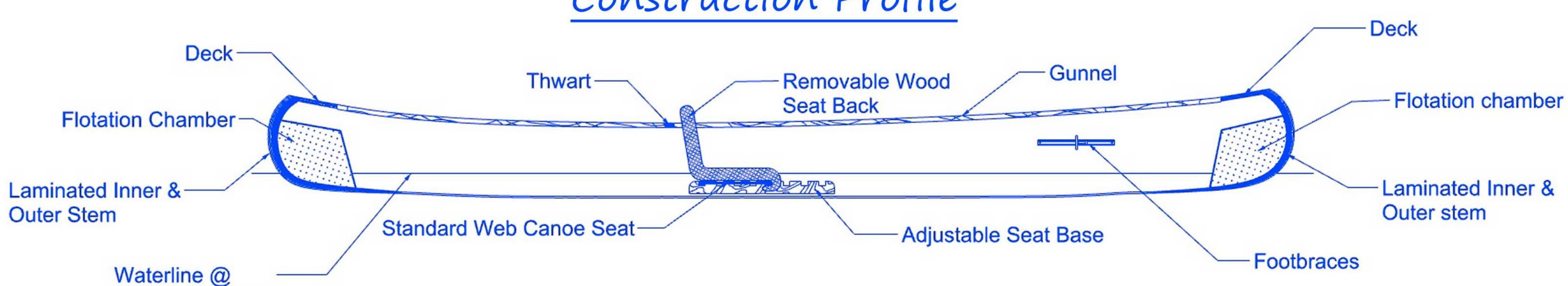Displacement @ 4 in. [100mm] 284 lbs.   129 kg.

Maximum Recommended Capacity # 375 lbs.   170 kg.

Hull Depths: Bow 18 in.   45 cm.

Mid 12.5 in.   32 cm.

Stern 17 in.   42 cm.

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1. Beginning to strip the hull, showing inner stem and strongback.
2. Stripped hull sanded, outer stem laminated from mahogany.
3. Original seat installation.
4. Deck and flotation tank, this boat as you can see had the interior sheathed in carbo fiber
5. Another seat option, same base with a canoe pad on seat and a removeable back that hooks in place.

Construction Profile

Deck

Flotation Chamber

Thwart

Removable Wood Seat Back

Gunnel

Deck

Flotation chamber

Laminated Inner & Outer Stem

Standard Web Canoe Seat

Adjustable Seat Base

Laminated Inner & Outer stem

Footbraces

Waterline @ 265 lbs. / 120 kg.

* weight will vary from boat to boat depending on materials and building technique

Maximum capacity is calculated using TP 1332E and ABYC H-29 standards which is 7 in/ 178 mm. NOT the often cited industry standard of 6in/ 150 mm.

Design: Vuntut 14

Dwg: Study Plan