D4 Dinghy
Mertens - Goossens N.A.
email: jmg2@aol.com

Breasthook

Bottom and sides 1/4" ply

Seats and frames 3/8" ply

9""

6" 2' 6" 12" 1' 6"

Cleat 1" x 1"

Bow & Transom 3/8"

Buoyancy foam, 2 parts
2.2 lbs/cu.ft.

3/4" skeg

Carlock backing plate
Stitch and Glue procedure.

1. Pre drill plywood every 4”. Assemble with copper wire, twist inside.

2. Fillet with light putty: Epoxy + Cabosil or micro balloons.

3. Laminate with 1708 biaxial fiberglass tape 6” wide. Feather edges.

4. Grind outside, fill gap with putty. Grind or remove copper wire. Laminate with 6” tape, second layer optional.

Lamination schedule:
Chine, bow, transom inside: biaxial 1708, 6” wide, one layer
Keel, in and outside: Biaxial 1708, 6” wide, one layer
Outside all, seats and frames: 9 oz. tape, 6” wide
Sail Options

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Mast step hole for sprit rig is aligned with partner hole, 3" forward of mast bulkhead. Center of main mast step is 3-1/2" forward, this gives 7" rake at mast top.

Rudder pintles Wilcox #482-3/4
Rudder gudgeons Wilcox #484-3/4
Upper gudgeon is installed 1" lower...

Mast step made of 3/4" plywood, predrilled for mast, bedded in resin putty, covered with FG tape.

Hole for sheet hore...

Tansom 3/8" ply

Access hole 4" cleat

Bow seat bulkhead
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Sprit Rig
LOA: 7’ 10”
Beam: 3’ 10”
Weight: 55 lbs.

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Expanded plates and nesting
Rudder, tiller and daggerboard construction

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Typical rudder and centerboard section max. width at 1/3

Rudder & Daggerboard from 3/4" ply epoxy coated

Taper trailing edge
Daggerboard trunk:
1. cut sides from 1/4" ply

2. assemble cleats and spacers as shown
3. coat 2 halves with epoxy
4. assemble two halves, use cleats 1" wide

5. cut 1" slot through bottom
6. install trunk box in hull
7. install two half forward bulkhead
8. tape bottom and sides with FG tape and putty fillet
9. from outside, round edges of slot and coat with epoxy.

Cut fwd seat bulkhead from 3/8" plywood
For more info about our boat plans, see our forum or contact:

Mertens-Goossens N.A.
Email: jmertens@e-boat.net
or
Phone/Fax: (772) 770-1225