

HAGAR

LOD: 28'

Beam: 8'

Draft: 4' 6"

Displacement: 8, 000 lbs.

For me, boats are personal things. If my boat has a masculine name I call it *He*—never mind umpteen centuries of boating tradition. With that in mind, although *he* is 28 feet long, there's less interior room than commonly seen in production boats this size. In *Hagaf's* favor, he's seaworthy, easy to build,

and inexpensive. This is a trimmed-up version of a boat I built for \$3,500 in 1972 and cruised slowly to Puerto Vallarta, Mexico, then to Hawaii, where I sold it. Last I heard it was still there. I had no engine, polypropylene halyards, and minimal everything else, and you know what? It didn't bother me in the least. Funny how being broke doesn't bother you when you're young.

I designed this boat right after the trip, and it incorporates a number of refinements that suggested themselves along the way. I sold lots of plans for *Hagar*, and they've been built all over: Yugoslavia, Guatemala, Canada, Australia, and America. One

fellow took seven years, one less than two months. Several were built for around \$5,000 (without engine); one cost \$20,000. Some have stayed around the coast, some have gone cruising, and so far nobody got drowned that I know of. The only complaint I've heard is that she's initially tender, so make the ballast as heavy as you can. That tenderness is part of the design, since the idea was to have comfortable motion at sea.

Over the years I've done several versions for different people, and all are included here. The canoe stern is an added hassle to build, but it looks good. I don't care for the round bow shown with the canoe

stern lines, and suggest you use the straighter one. I also don't like the raised sheer house, and would change that to a normal deckhouse with 10-inch minimum side decks.

I got a letter from one builder which I'll share parts of with you all.

George:

We've lived aboard Raisuli for four years now.... We've been as far north as Desolation Sound, Canada, and as far south as San Diego. We gunkholed down the whole West Coast....

The worst ride was crossing the Columbia Bar in a full gale. The best has been in southern California with warm reaching breezes and 6-plus knots for mile after mile.... The lobster on Catalina Island aren't bad either]

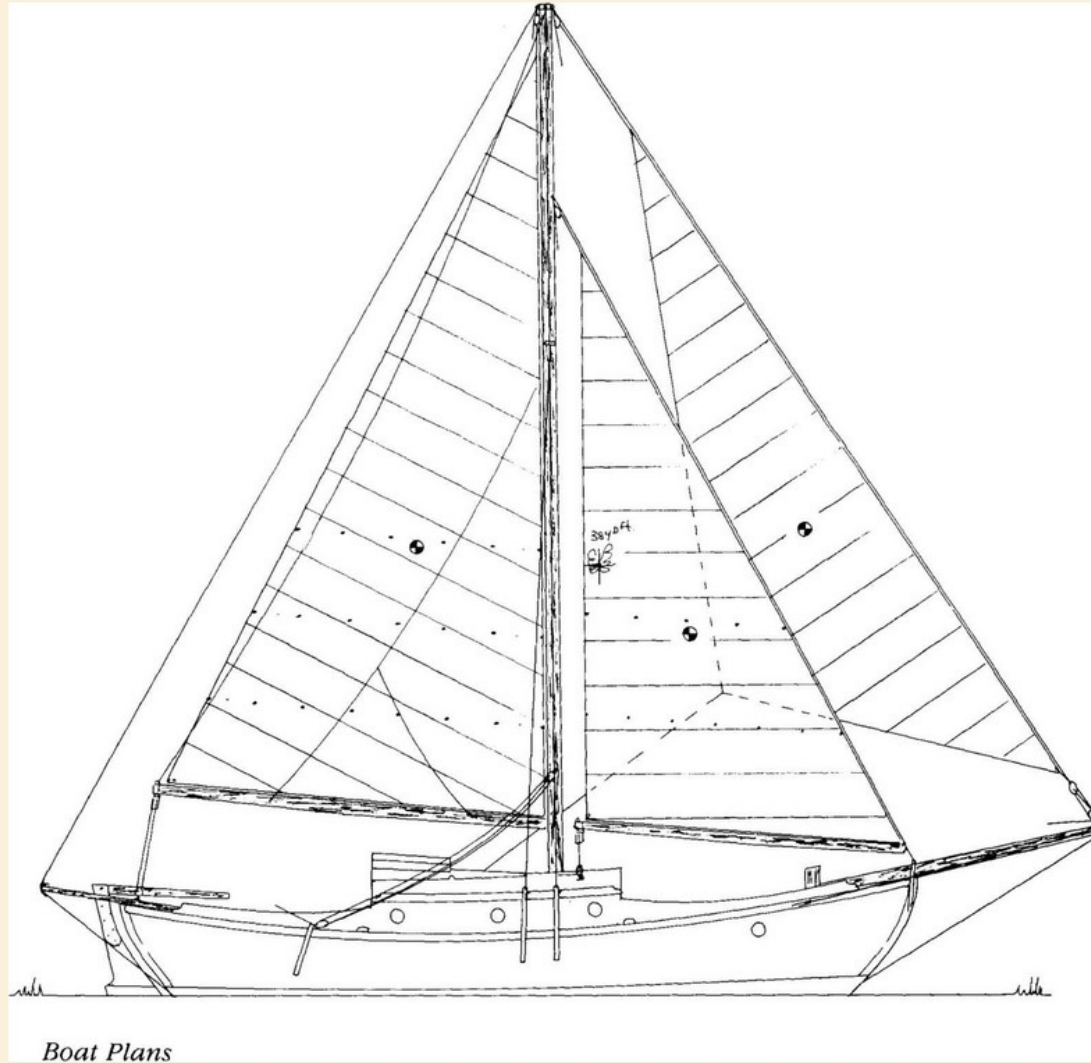
Matt & Karen Mathews

If you have short pockets but want a boat to go to sea in, *Hagar* will do the job.

BUEHLER'S BACKYARD BOATBUILDING

Keel:	6-by minimum
Floor timbers:	3-by
Frames:	2 × 4
Gussets:	3/4" plywood
Chine:	2 pieces 3/4"
Stringers:	2 pieces 3/4" × 2 1/2"
Planking:	3/4" minimum or two layers 3/8" plywood
Deck beams:	1 1/2" × 3"
Deck:	2 layers 3/8" plywood

BUEHLER'S BACKYARD BOATBUILDING



Boat Plans

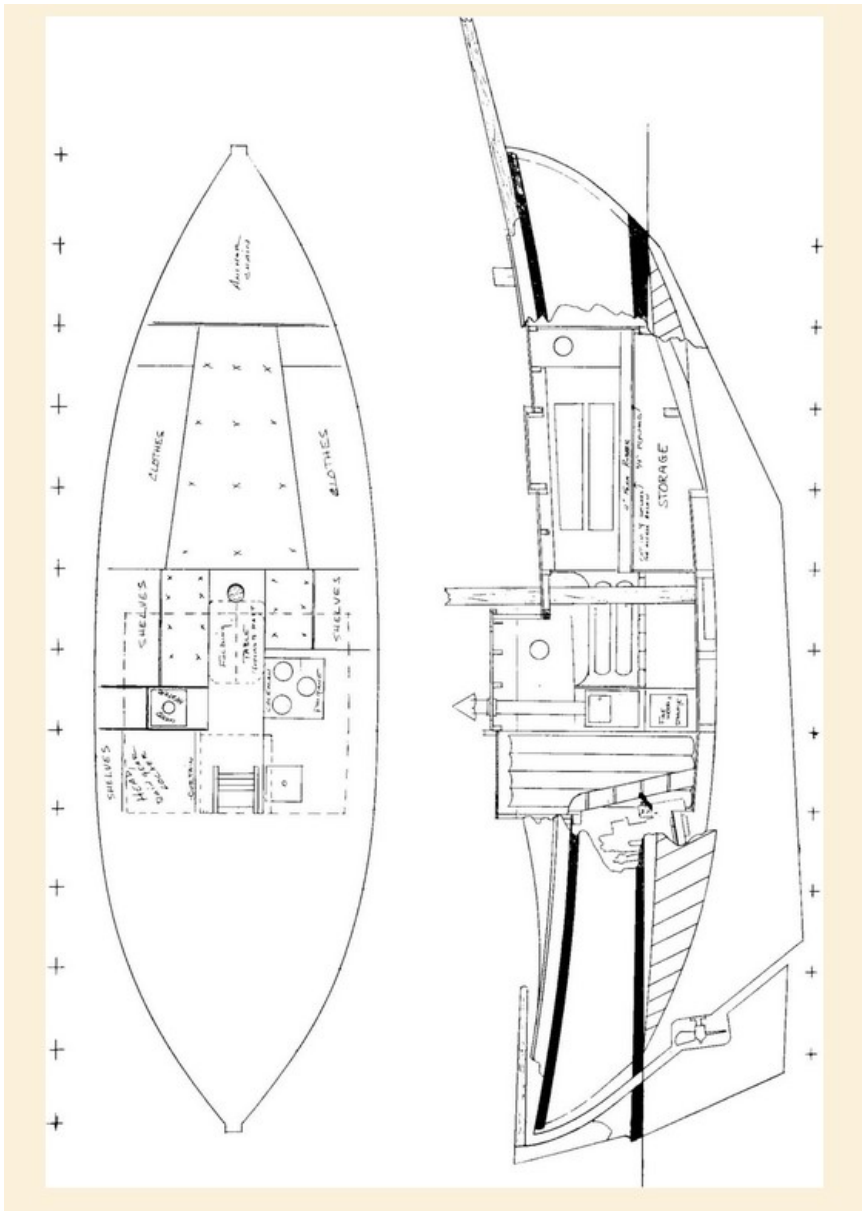


TABLE OF OFF-SETS

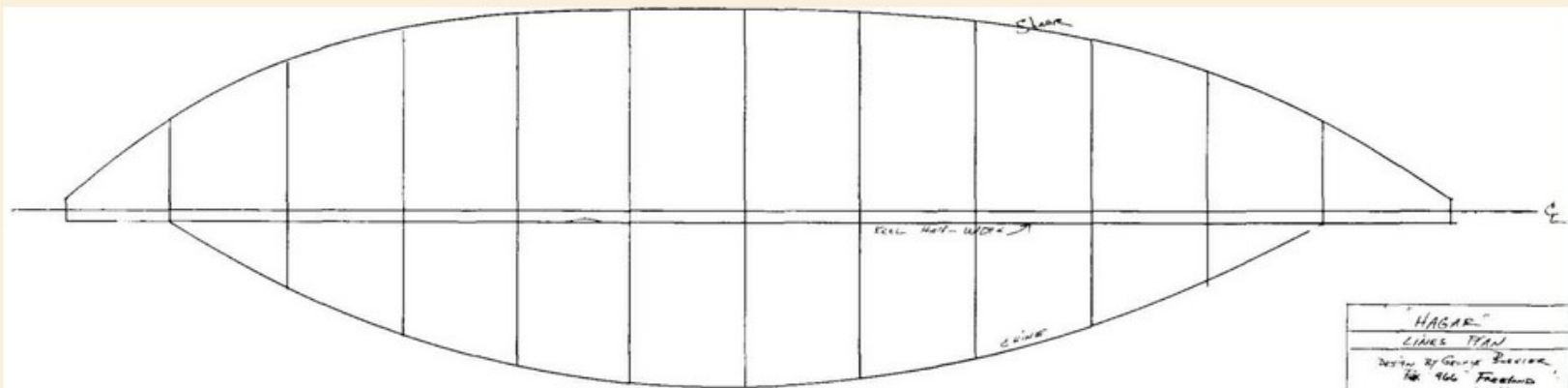
"HAGAR" for "HAGAR OF THE NORTH"

DESIGN BY GEORGE RUSHMORE
BOX 10274 BAINBRIDGE ISL. WA 98110

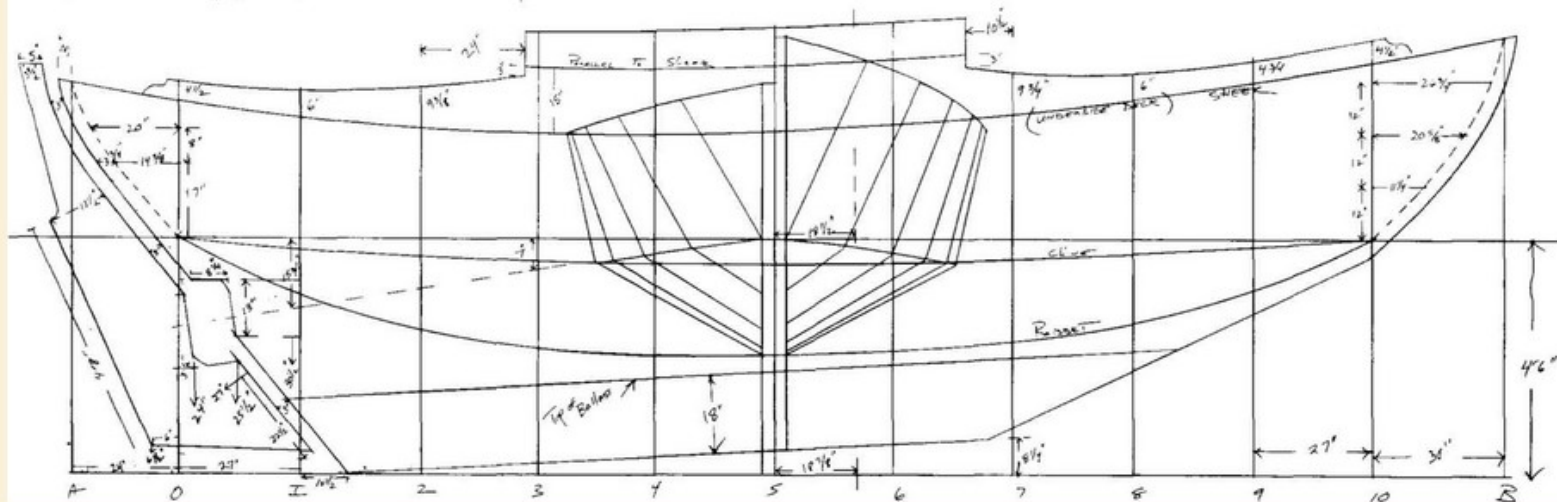
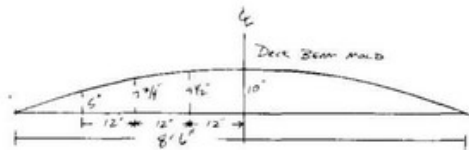
	A	0	±	2	3	4	5	6	7	8	9	10	HEIGHTS B
SHEER	7-5-2 ⁺	7-1-2 ⁻	6-9-5	6-7-2 ⁻	6-5-7	6-5-6 ⁻	6-6-3	6-8-0 ⁻	6-10-2	7-1-4	7-5-5	7-10-2	8-4-0
CHINE		4-6-0	4-3-3	4-1-7	4-0-6	4-0-1	4-0-0	4-0-4	4-1-1	4-2-2 ⁺	4-3-6	4-6-0	
RABBIT		4-6-0	3-5-1	2-9-1	2-5-0 ⁻	2-3-3	2-3-4 ⁻	2-4-3	2-6-3	2-10-5	3-6-2 ⁺	4-6-0	
KEEL		3-11-0 0-0-0	1-1-2 0-0-0	0-1-4 ⁻	— STRAIGHT —			0-7-0 ⁻	0-10-6	— STRAIGHT —		4-2-0	

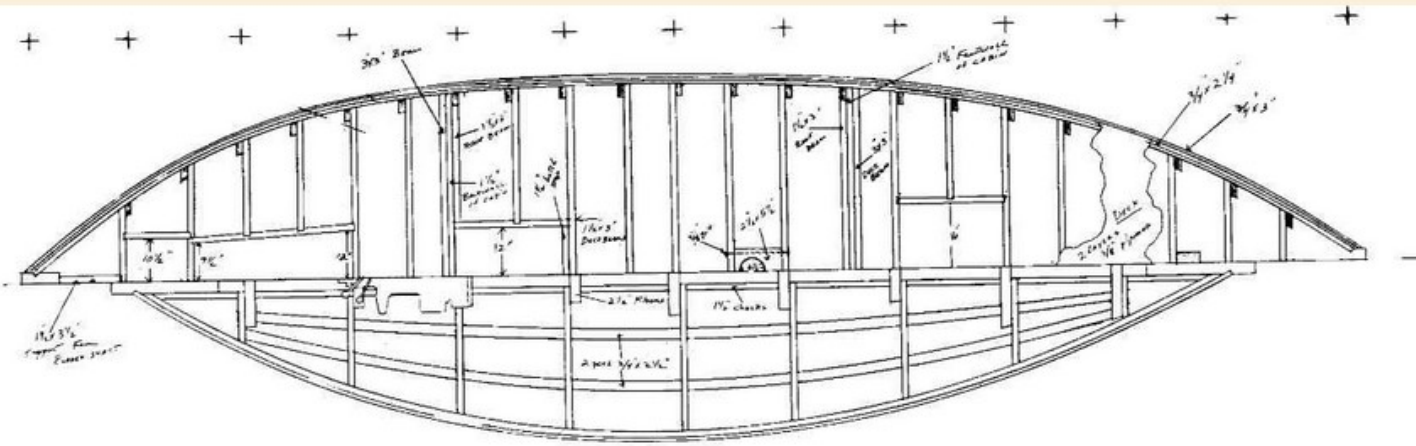
	HALF WIDTHS												
SHEER	0-3-0	1-9-1	2-11-4	3-7-1	3-10-4 ⁻	3-11-4 ⁻	3-11-6 ⁺	3-11-0 ⁺	3-5-7	3-4-4 ⁻	2-9-0	1-9-1	0-3-0
CHINE		0-3-0	1-6-2	2-5-3	3-0-4 ⁺	3-4-4	3-5-3	3-3-2	2-10-5	2-2-7	1-4-0	0-3-0	
RABBIT	0-3-0	— STRAIGHT —										0-3-0	

- ALL MEASUREMENTS IN FT-INCHES - 1/8" INCHES
- STATION SPACING 27"
- WL TO BASELINE - 4'6"
- LENGTH BETWEEN PERPENDICULARS 27'
- BEAM - ABOUT 8'
- DRAFT - 4'6"
- DISPLACEMENT - ABOUT 8,500 POUNDS

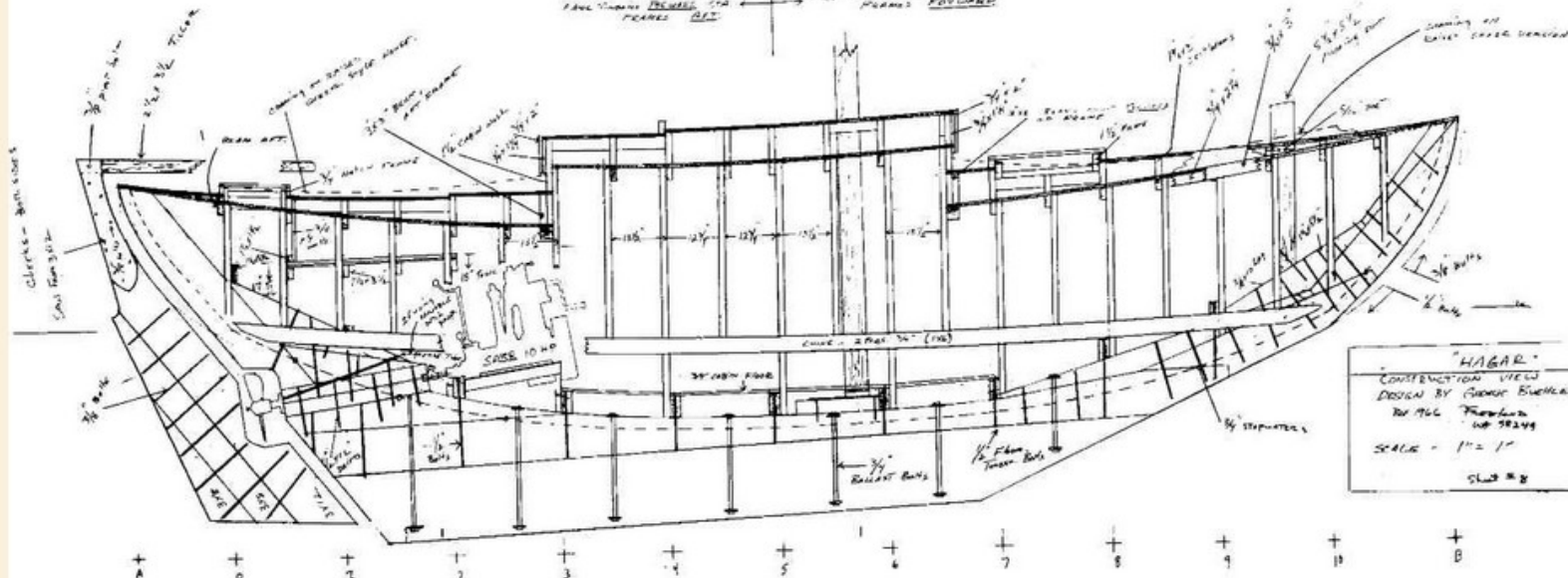


"HAGAR"
LINES PLAN
DESIGN BY GRACE BARKER
NO. 966 FREEDOM
LA 90495
SCALE 1"=1'
Sheet 6





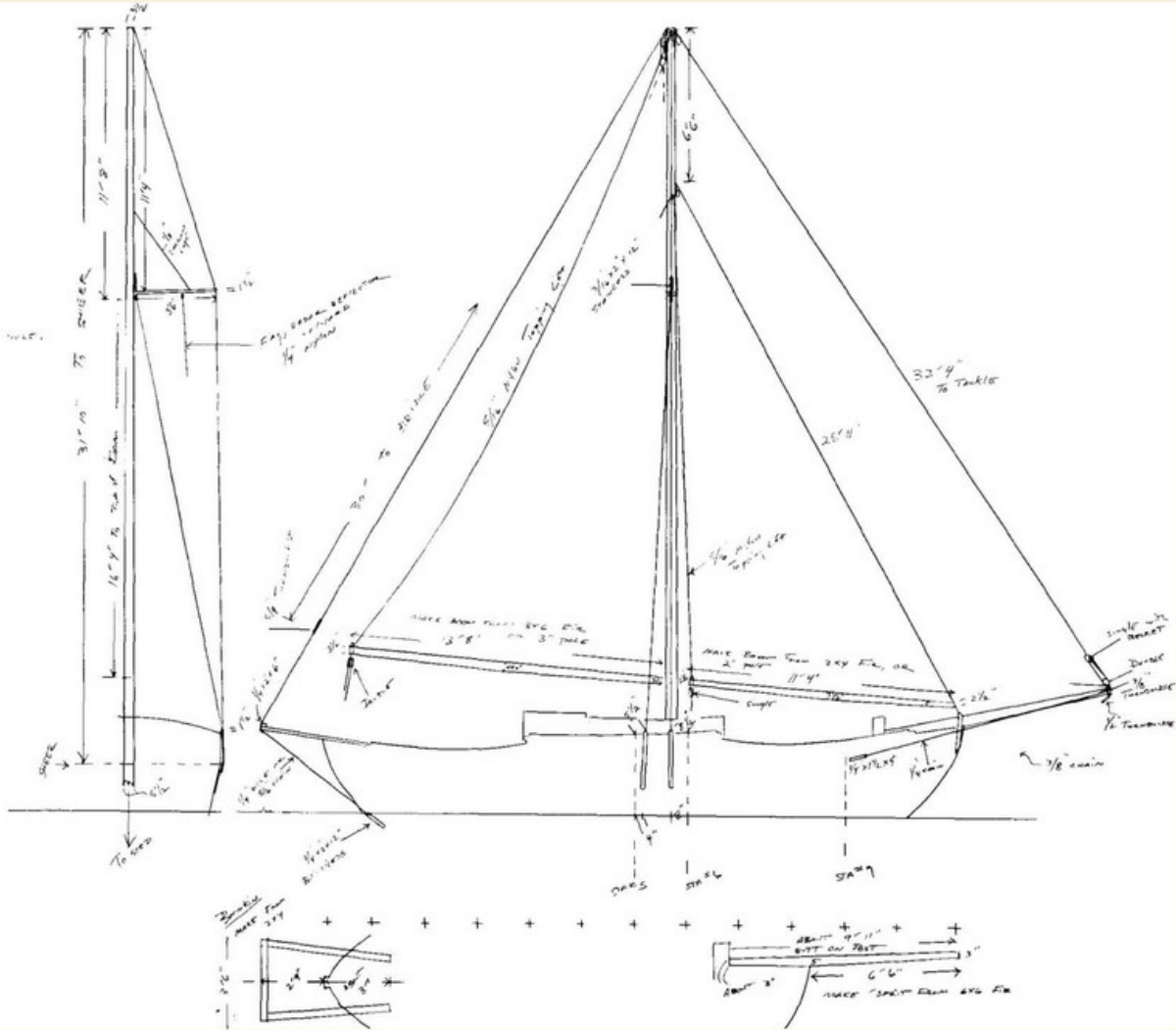
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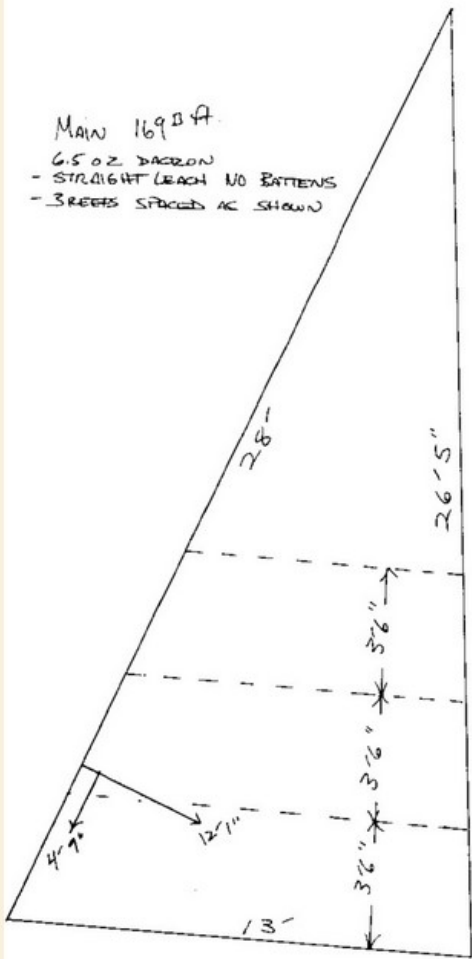
"HABAR"
 CONSTRUCTION VIEW
 DESIGN BY GEORGE BUEHLER
 FOR PGL PEARLE WA 98249
 SCALE - 1" = 1'
 SLIP # 8

- All standing rigging 1/4" SS on 3/16" Gal.
- All running rigging 1/4" Dacron
- Be sure to consult with owner regarding mast location & height.

"HASKY"
 RIGGING PLAN
 DATE 1/2/87
 DESIGN BY: [Signature]
 201 966 7888
 6A 76219 FLOR 12

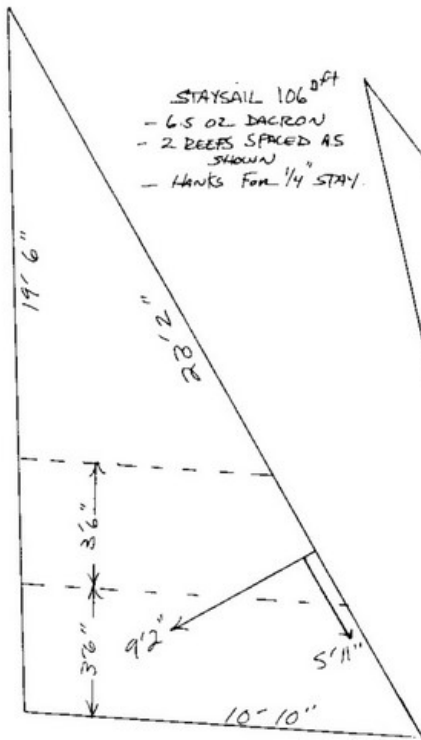


MAIN 169⁰ FT.
 6.5 OZ DACRON
 - STRAIGHT LEACH NO BATTENS
 - 3 REEFES SPACED AS SHOWN



HAGAR
 WORKING SAILS
 $\frac{1}{2}'' = 1'$

STAYSAIL 106⁰ FT.
 6.5 OZ DACRON
 - 2 REEFES SPACED AS SHOWN
 - HANKS FOR $\frac{1}{4}$ STAY.



JIB 109⁰ FT.
 6.5 OZ DACRON
 - HANKS FOR $\frac{1}{4}$ STAY.

