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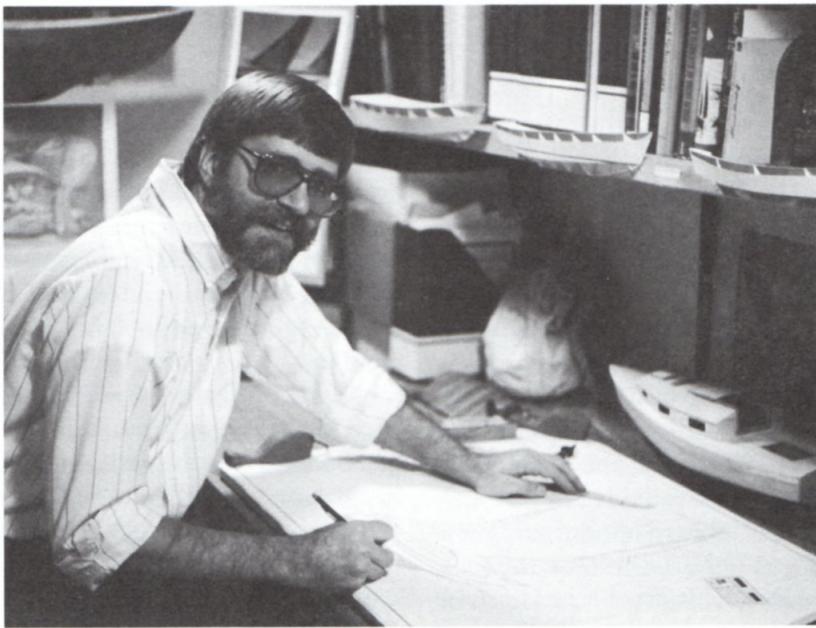
HEAL TO CHANNEL

Windward Designs

**Boat Plans
Catalog**

SECOND EDITION





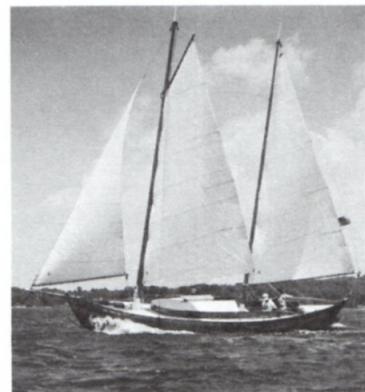
"I began "messing about" in boats at a young age, exploring marshes and backwaters, enjoying wildlife, beautiful scenery and up-stream adventure around every turn."

—Karl Stambaugh

Dear Boatbuilder,

This catalog presents a collection of designs for boatbuilders like yourself who are looking for a design to enjoy building and using on the water. Inside you will find a wide selection of boats that are based on proven construction techniques, and which have a unique style all their own.

These designs are the results of over 30 years of experience on boats of all types and sizes. I began messing about in boats at a young age, exploring marshes and backwaters enjoying the wildlife and beautiful scenery. This early experience, combined with a fondness for woodworking, lead me to boatbuilding at the age of twelve. My first boatbuilding project was a canvas covered kayak (which my children now enjoy) followed later by a Maine peapod. Interest in boatbuilding and design developed from this early experience. A degree in Naval Architecture from the University of Michigan followed. I began an enjoyable professional career as a Naval Architect. I gained valuable practical experience by working in a design office on all types of boats and ships. Boatbuilding continued as did my love for boats of all sizes. The Coaster shown here is one of many boats in this catalog that I designed and built. I learned by education and experience, how and why boats work, by applying theory to improve performance without adding complexity. Simplicity of form and function became the focus of my design work. In 1987, I decided to offer plans for the Windward 15. She was an instant success, followed by many requests for custom boat designs. This catalog contains the results of this experience and design work.



This catalog includes illustrations, specifications, and description of each boat to make it easier for you to obtain information on each Windward Design. Each design is presented with a brief introduction on why it was created, followed by specs, illustrations, and features. If you have any questions on a particular design, do not hesitate to drop me a line or call.

Don't wait to get underway!

Karl A. Stambaugh
Naval Architect

P.S. Select your favorite design and use the order form at the back of this catalog. It is that easy.

Windward Designs

The designs presented in this catalog are based on proven engineering and construction techniques. They are fast, economical, and easy to use. This combination is achieved from years of experience in designing, building and sailing, including many of the boats presented in this catalog. Hull forms, centerboards, keels, sail rigs, and powering characteristics are combined efficiently with simple details. These boats are inexpensive to build for their size and capabilities. For example, the WINDWARD series of designs has a very simple and inexpensive rig; however, their speed under sail is impressive. This combination of performance and simplicity is true for the WINDWARD series and other designs in this catalog as well. Sail and power are combined efficiently to make them fun rather than extra work. Construction techniques vary depending on the design; and many plans include various options and materials. Conversion from one construction method or material to another is possible. Call for details if you are considering changes or modifications. We'll be happy to advise you.

Additionally, we have worked hard to make sure these designs are pleasing to look at. It makes them that much more fun to use and enjoy. After all, good looking boats are not difficult to build if the designer has done his work. As one of our clients so eloquently states, "your designs are so simple and so pretty, that's an art."

Custom Design and Engineering

If you do not see a design that fits your needs or would like a variation, please call or write us with your requirements and ideas. All it takes is a brief discussion to open a dialogue and start the process. We routinely work on modifications to existing designs or develop

new designs for our clients. For example, the Windward series started out at 15' and was lengthened to 17', then 21' with a cuddy, and to 24' with a cabin. We recently completed a WINDWARD 28 with the same graceful style and simplicity as the Windward 15. This design has grown from daysailer/camp cruiser to long term cruiser/daysailer. Similarly, the BAHAMA MAMA is now available in keel and tandem centerboard options and then lengthened to 40' to become the new design SD40. This process has been in response to interested clients like you. Each custom design begins with a preliminary drawing, typically an arrangement and profile, followed upon approval of the client by construction drawings. The preliminary and construction drawings are quoted fixed price. Changes are quoted separately. Details of machinery and electronic installations are quoted for the required detail based on owner's requirements. Hourly rates or fixed price quotes are provided for other services including:

- Design and Construction Variations
- Custom Designs
- Stability Analysis
- Re-powering
- Performance Evaluations
- Propeller Selection
- System Installation Details
- Full Size Frame Plans
- Contract and Bid Package Design
- Construction Review

Custom design and engineering are our specialties.

Drop us a line for a free quote and get the design process started.

We are often asked questions from builders about what it takes to build a boat in terms of skill level, tools, construction method, materials and cost. The information below is provided to help you make an informed decision. As you will note through our catalog, we encourage inquiries if you have specific questions.

Skill Level

The boats presented in this catalog are within the capabilities of first time builders with modest amount of woodworking abilities. Basic woodworking skills are recommended including knowledge of wood grain, cutting, planing and fastening (screws). The remaining skill is acquired by experience. So take that first step and begin. Perhaps starting with a small boat to learn on will help you on your way. You will be under way in your new boat headed for fun and adventure.

We have a toll free help line.

1-800-376-3152



Tools

Even the most difficult boat shown in this catalog can be built with basic hand tools. The primary tools required include circle saw (with carbide blade), power hand plane, drill and belt sander. Larger boats will require industrial grade tools. Remaining tools include saber saw, hand plane, hammer, screw driver, tape measure, palm sander, chisel, clamps (lots) and basic home shop tools. Remember to keep your tools sharp and in good condition. Follow tool manufacturer's safety instructions.

Materials

Wood is used for the majority of boats presented in this catalog because it is easy to work with, tools are readily available and the material suits the style of boat designs presented. Other materials are possible for the larger boats of panel construction including aluminum and steel. Please contact us for additional details if you are contemplating other materials.

Plywood lends itself to simple panel construction. Marine Grade plywood is recommended. Lumber is Fir, Yellow pine, Mahogany or other suitable rot resistant woods that are compatible with epoxy. White Oak and Cedar are preferred for traditional plank on frame construction. These woods are available at most construction supply lumberyards. Most yards will be able to order these woods if not in stock. Local saw mills are a good source of inexpensive lumber if you have time to dry the wood yourself. Mail order suppliers advertise in the wood boat publications. If you have questions about substitutes, call us for recommendations.

Epoxy glue is used to join members together. If used correctly this forms a very strong joint that requires few if any mechanical fasteners. Epoxy is also a water impermeable glue used to join members of the hull and as a sealer to encapsulate the wood. This forms a watertight barrier provided all exposed surfaces are covered well. With modern paints applied as top finishes, the boats require no more maintenance than any other material. Epoxy is supplied with pumps that premeasure proper amounts with each stroke. They are easy to use if you follow the few simple directions provided by the suppliers.

Construction

Construction methods are indicated in the catalog for each boat. Construction techniques used include tack and tape, glue and screw, strip planking, cold molded and plank on frame.

Tack and tape construction (alternately called stitch and glue) uses plywood panels fastened together with fiberglass tape and epoxy filler. This technique often appears attractive to first time builders because it minimizes beveling of frames and adjacent panels. Boats built in this manner are assembled with panels, frames and bulkheads predimensioned in the plans.

Glue and screw construction is assembled on frames and longitudinal members, keel, chines and sheer clamp. Glue and screw construction is similar to tack and tape because epoxy is used in the joints, and fiberglass tape is applied to the external exposed edges of the plywood. The combination of epoxy and strategically placed screws forms an extremely strong joint. The boats are generally built upside down on a ladder frame; and plywood panels are glued to the structural members. The glue and screw boats presented in this catalog are easy to build because straight frames are used as the building form. Unnecessary mold construction is not required. The ladder frame holds the boat in alignment while working on it. This is especially helpful when working alone or short handed.

Strip planking construction is, as its name implies, wood strips which are edge glued and nailed together, then fastened to frames, stem, and transom. This construction is suited for round hull forms. It is time consuming; and hull sanding and fairing are required to achieve a good finished look.

Cold molded construction consists of thin layers of wood bent to form the hull. Set up is similar to glue and screw construction and is often applied over longitudinal strips as in strip planking. This process is suitable for round hulls. Several designs in this catalog use 1/4" plywood as the layer material. This is useful for Vee bow shapes below the waterline.

Plank on frame construction is a traditional method for building boats. This includes smooth caravel and lapstrake construction. Planking is fastened to bent or sawn frames. Lapstrake is self fairing and requires minimal maintenance to keep it looking fair.

Construction methods in materials other than wood are similar in ap-

proach as mentioned above with variations to suite the material. If you would like to build a boat in a method or material other than indicated in the catalog, please let us know. We will be happy to advise you on the conversion.

Weight

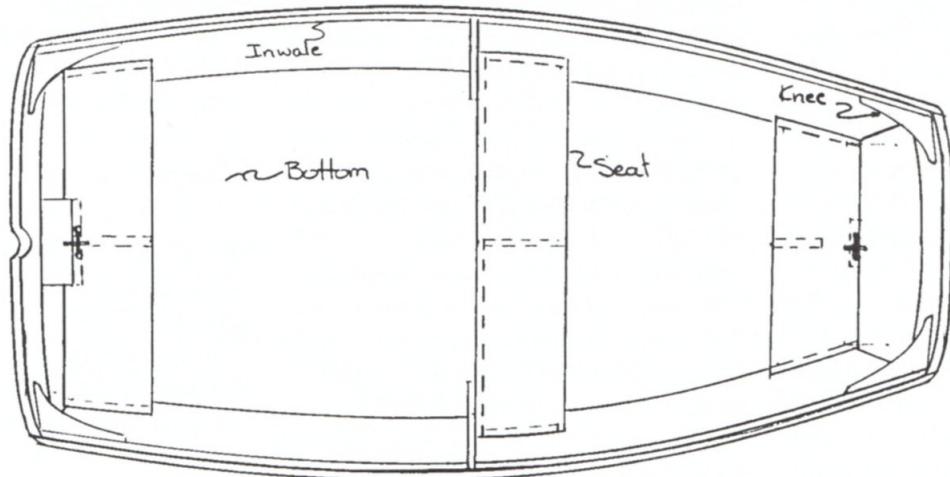
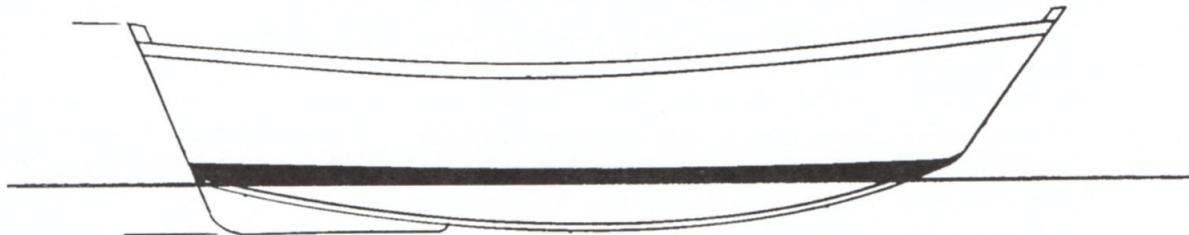
The weight is given in the specifications for each boat. This weight is for the hull, power and outfit. The weight does vary depending on the amount of outfit and accommodations. However, this does give a basis for estimating trailer weight prior to adding all the cruising gear that accumulates. Similarly, the weight given can be used to estimate total cruising weight with gear, supplies and people aboard.

Cost

Materials cost varies depending on geographic location and availability of materials. Therefore, we have not included material costs in this catalog. The study plans provide a list of material scantlings to give you an idea what materials are recommended. This information can be used to estimate the hull materials cost. Trim and outfit costs varies depending on the level of finish desired by the builder. It often pays to contact as many sources as possible to compare. Remember hull materials are a fraction of total cost and substitution of lesser quality material will be a short term saving. Call if you have questions on sources of materials we may be able to give some suggestions and rough costs to help you on your way.

Additional information is presented next for each design. Information on type of plans available, owner comments and ordering information are provided last. So we hope you enjoy our catalog. It has been fun putting it together. See you on the water.

BABY DINK



Length 7'-6"

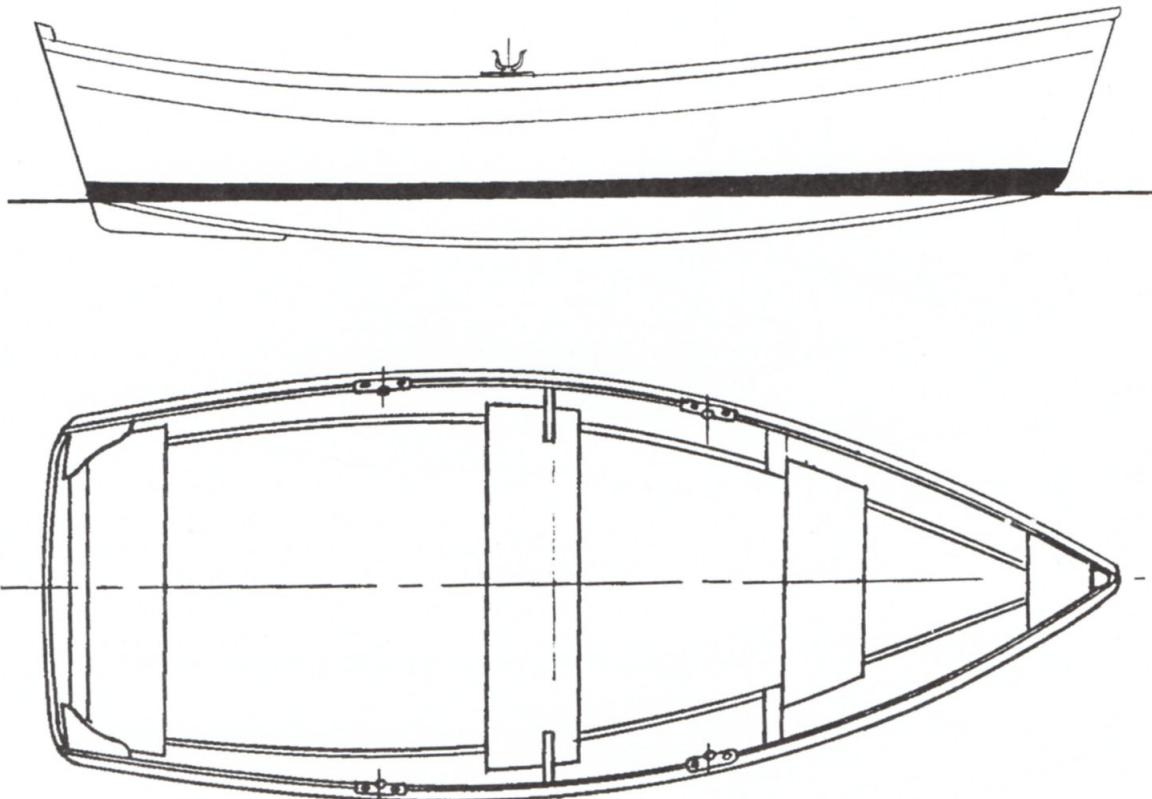
Beam 4'-3"

Draft 0'-6"

Weight 80 lbs

BABY DINK is easy to build and has features necessary for a good dinghy. She is tack and tape construction using plywood and epoxy. Panel dimensions are given in the plans and no lofting is required. Just lay out the dimensions on a sheet of plywood, cut and put her together. Construction is suitable for first time builders. She is stable, tows well and is light enough to move easily about the waterfront or on board your larger boat. She is suited for a small outboard but will be a delight to row and a real pleasure to use about the beaches and waterfronts. Plans include panel dimensions, assembly illustrations and construction details. No lofting is required.

WEEKEND DINGHY



Length.....	9'-0"
Beam	4'-3"
Draft.....	0'-6"
Weight	125lbs



WEEKEND DINGHY is easy to build and goes together quickly. She is easy to get into and out of a float. This stable and rugged utility skiff tows well behind bigger boats. No lofting is required; dimensioned frame plan and panels are included in the plans. Her construction is 1/4" plywood and epoxy, easy panel construction. She is suitable for a first time builder to complete in a weekend.

SEAL

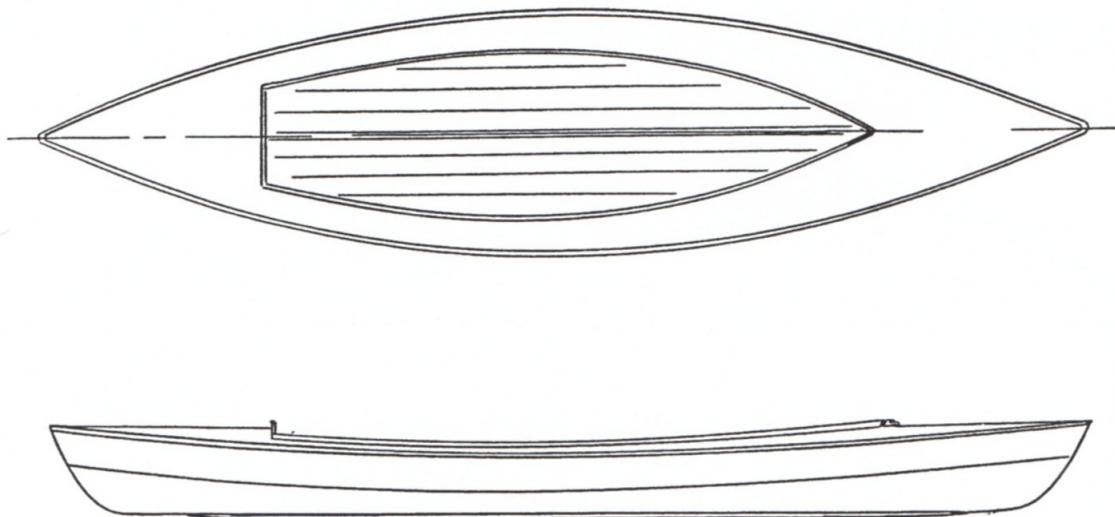


Length 12'-1"
Beam 4'-3"
Draft 0'-6"
Weight 125lbs



SEAL was designed for youngsters to learn basic boating skills. She has good rowing qualities and her looks and style will make you proud. This is a fun boatbuilding project and is an easy size to handle. Construction is plywood and epoxy built over frames. Plans include: dimensioned panels, frames, construction, and sail plan. No lofting is required.

KAYAK

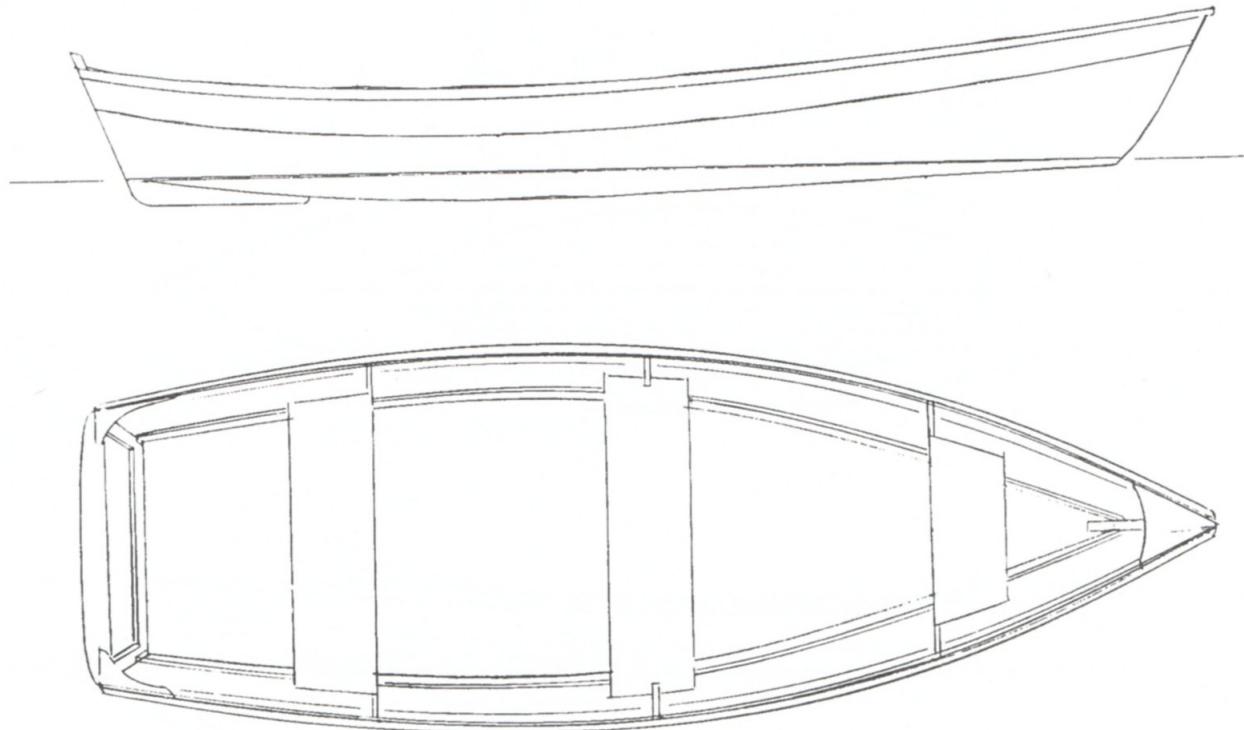


Length.....	12'-0"
Beam.....	2'-6"
Draft.....	0'-4"
Weight.....	60lbs

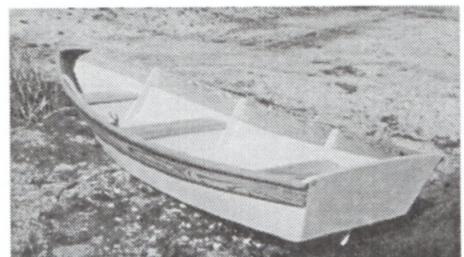


KAYAK was designed for recreational paddling. She's light and moves through the water easily with nice speed for her size; she can be used with a double or single paddle. This boat is stable, light, and easy to car top. She is fun for hunting, fishing, crabbing, and exploring. Adventures in this little boat await you. Her construction is plywood tack and tape suitable for first time builders. The plans include: materials, dimensioned panels and frames, construction, and frame plan. No lofting is required.

BAY SKIFF 12

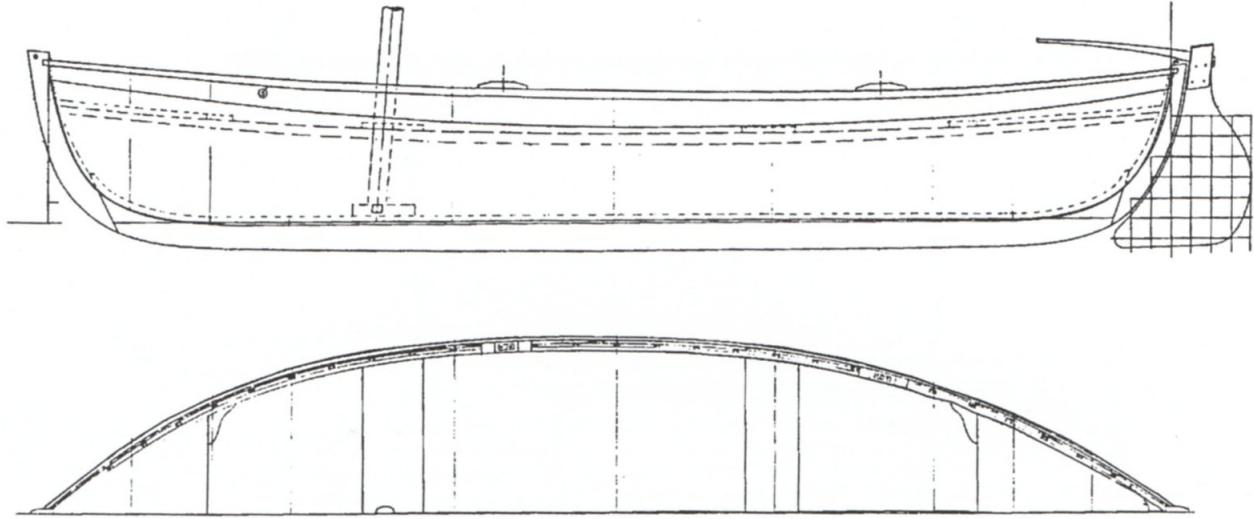


Length.....	12'-1"
Beam	4'-3"
Draft.....	0'-6" bd up • 2'-6" bd dn
Weight	125lbs
Sail Area	55sf

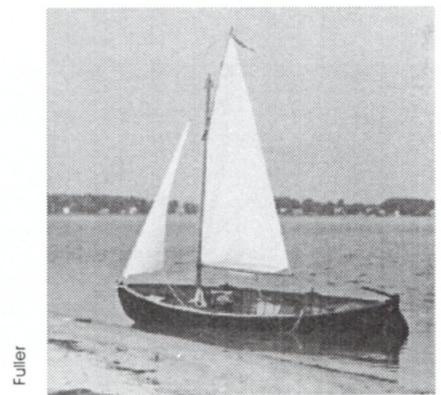


BAY SKIFF 12 is a fun rowing boat built specifically for those who prefer a relaxing row in their favorite waters. Because she is designed specifically for rowing, she slips through the water effortlessly. The **BAY SKIFF 12** is stable and will carry friends and a picnic lunch for an afternoon or evening on the water. Construction is rugged 1/2" plywood bottom and 3/4" sheerstrake with epoxy and bronze screws completing the hull materials. She is a sturdy skiff that will last for years of enjoyment with proper care. Plans include: materials, panel dimensions and construction. No lofting is required.

PEAPOD



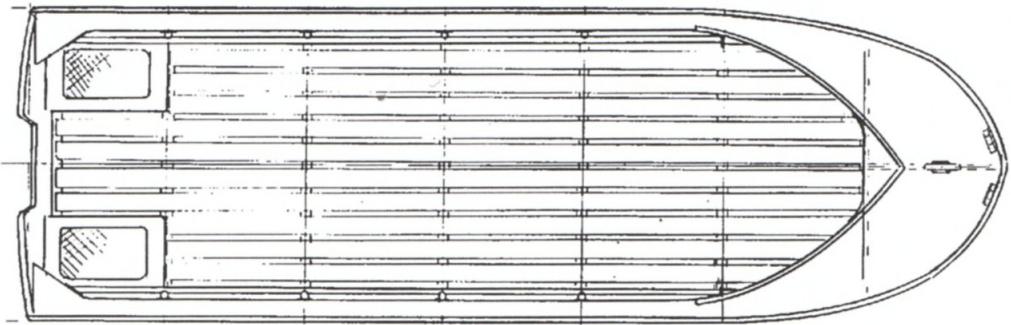
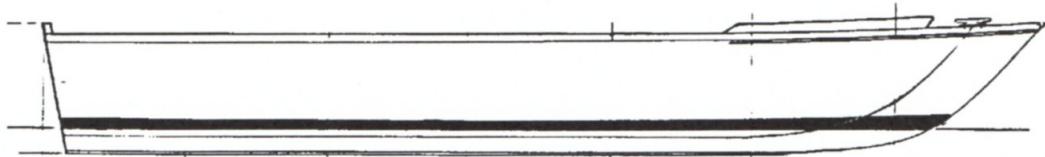
Length..... 14'-0"
Beam 4'-6"
Draft..... 1'-0" bd up • 2'-6" bd dn
Weight 200lbs
Sail Area 82sf



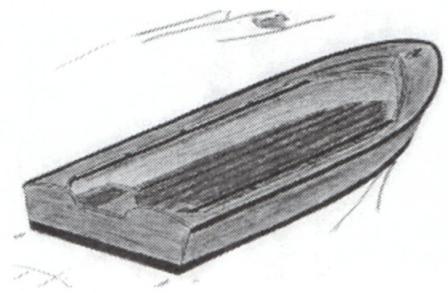
Fuller

PEAPOD is based on a traditional Maine design. Her external keel and open cockpit provide lots or room for gear and friends. She is fast under sail or oars. Her double ended hull and firm bilges combine to produce a seaworthy boat. Construction is traditional plank on frame lapstrake construction suitable for those with the knowledge of traditional boatbuilding techniques or the desire to learn them. Plans include: materials, lines, construction and sail plans.

DUCKBOAT

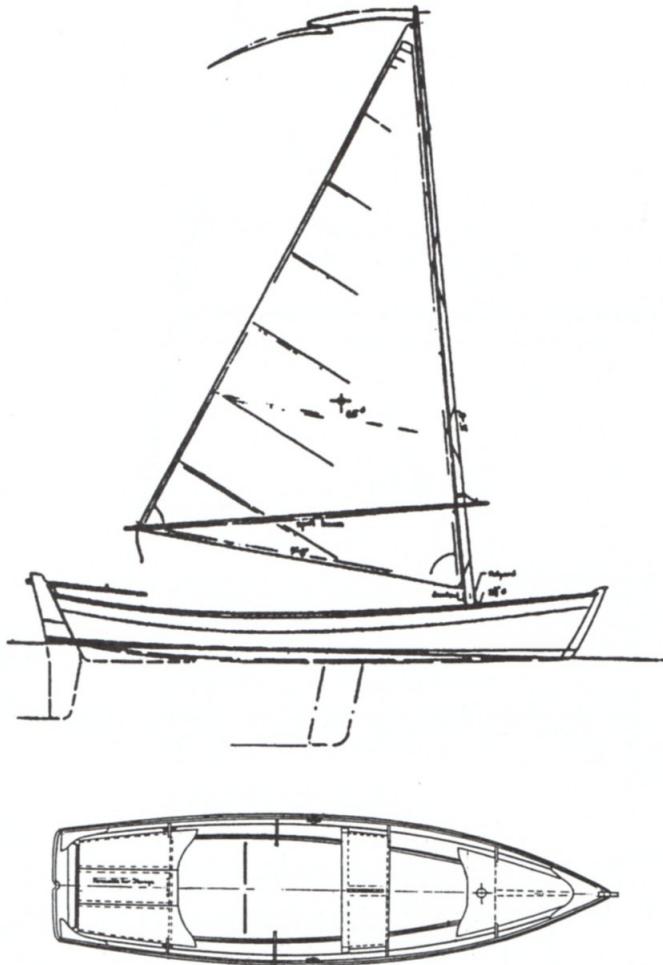


Length 14'-0"
Beam 4'-3"
Draft 0'-4"
Weight 120lbs
Power 10-20hp



DUCKBOAT is a combination boat for hunting, fishing, working and messing about the water front. She has a large cockpit for hunting, fishing or cruising gear. She is light enough for two people to carry and fits in the bed of a pick up truck. She is a unique design for all around fun. Construction is fiberglass over balsa core or plywood and epoxy. Plans include materials list, lines, construction and arrangement drawings.

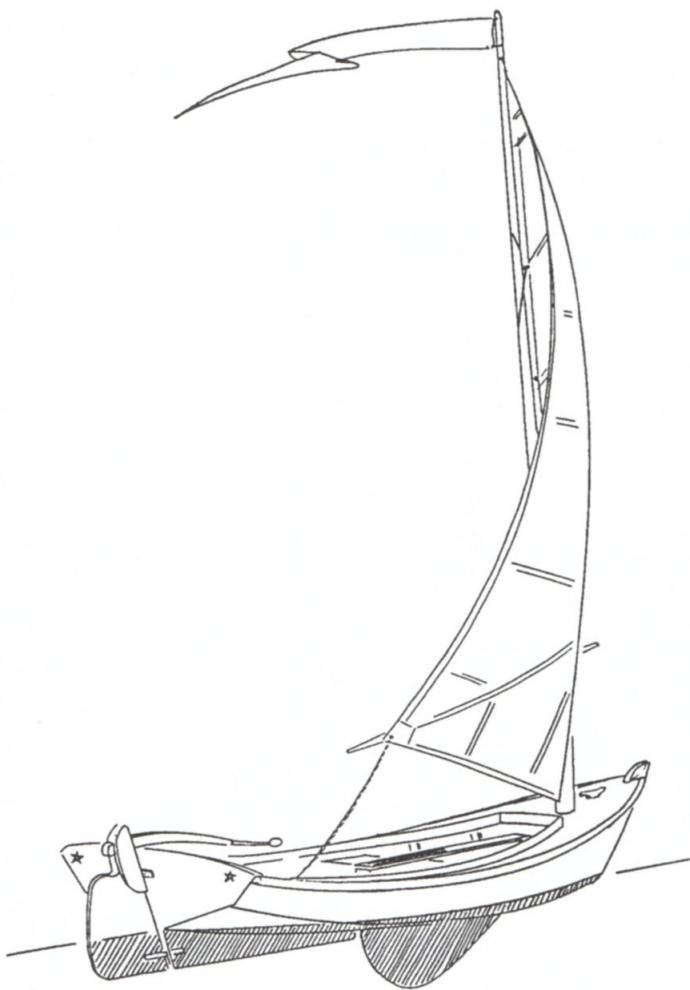
BAY SKIFF 15



Length	15'-4"
Beam	4'-3"
Draft.....	0'-4" bd up • 2'-4" bd dn
Weight	150lbs
Sail Area	65sf



BAY SKIFF 15 is an ideal boat for messing about the water's edge; or setting sail for a day out on the water. She is very fast under oars or sail. She's light for easy work on and off a trailer, is easy to rig and set sail, and has a modest amount of traditional details for those desiring to learn basic boatbuilding skills. See [WoodenBoat](#) (Nov/Dec 91) for a design review. Construction is 3/8" plywood and epoxy. A solid sheerstrake adds to her looks. Her panel construction is suitable for first time builders. A centerboard version is available. Plans include: materials, lines, panel layout dimensions, construction illustrations, construction, and sail plan. No lofting is required.

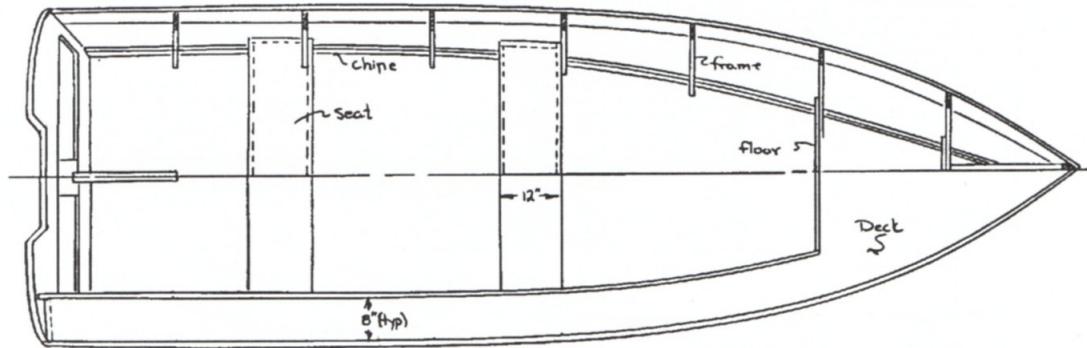
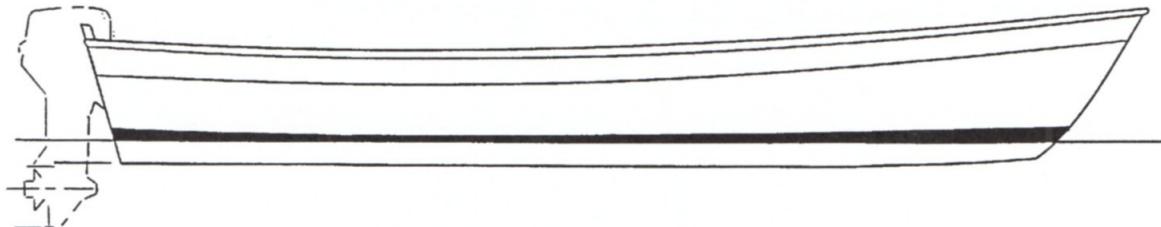
WINDWARD 15

Length	15'-0"
Beam	5'-0"
Draft.....	1'-0" bd up • 2'-6" bd dn
Weight	250lbs
Sail Area	70sf



WINDWARD 15 is one of the most popular small boat designs we offer. She is a traditional design with good sailing characteristics. Her cockpit is spacious for daysailing and beach cruising. She has sailed and beached cruised the length of the Chesapeake Bay. Her spacious cockpit provides room for cruising gear or family and friends. The sprit boom rig is easy to rig. You can be underway in minutes. She is easy to handle to windward and well behaved downwind. Construction is 3/8" plywood and epoxy. See WoodenBoat (May/June '87) for a design review. She is suitable for first time builders. Plans include: materials, lines, set-up, construction, and sail plan. A full size frame plane is available.

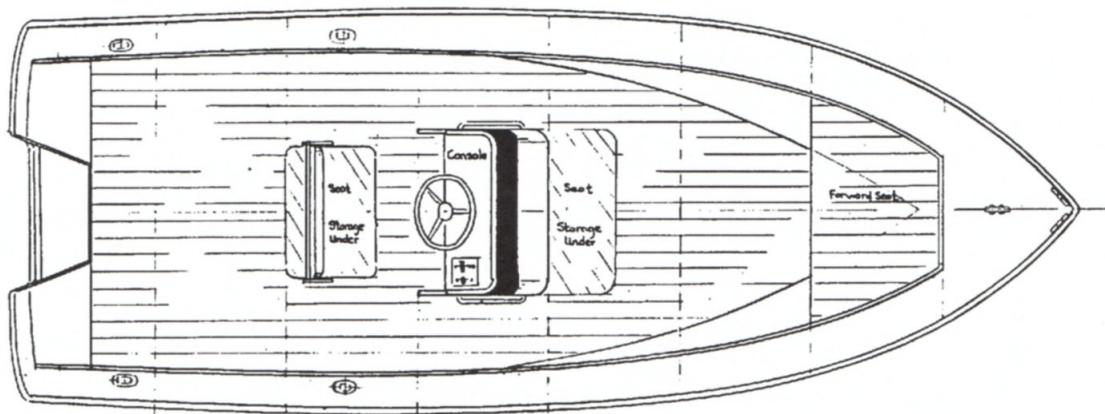
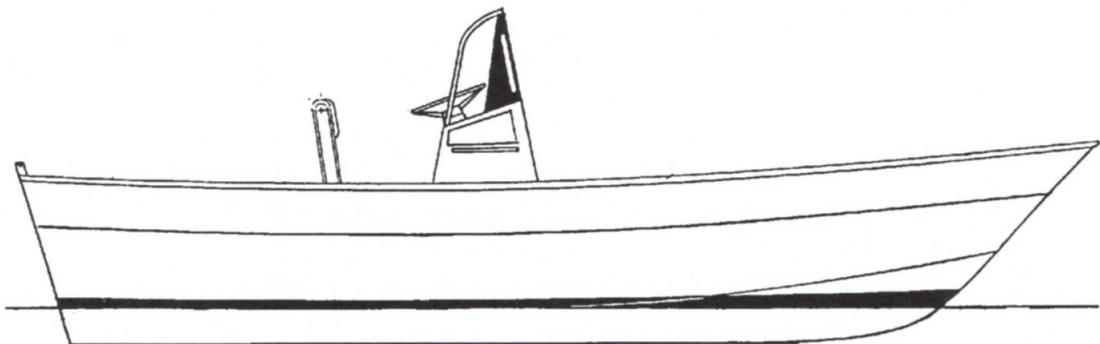
POWER SKIFF 16



Length	16'-0"
Beam	5'-0"
Draft	0'-6"
Weight	350lbs
Power	10-40hp

The **POWER SKIFF 16** is a traditional power boat in modern materials. She is rugged construction. A solid lumber sheerstrake adds to her appearance and strength. Her hull is 1/2" plywood coated in epoxy for years of use. She is suitable for work or pleasure, fishing, exploring or just having fun. POWER SKIFF 16 is an attractive traditional design built of proven materials. Build her and you will enjoy many hours of on the water. Plans include: materials, lines, construction. A full size frame plane is available.

SHOESTRING



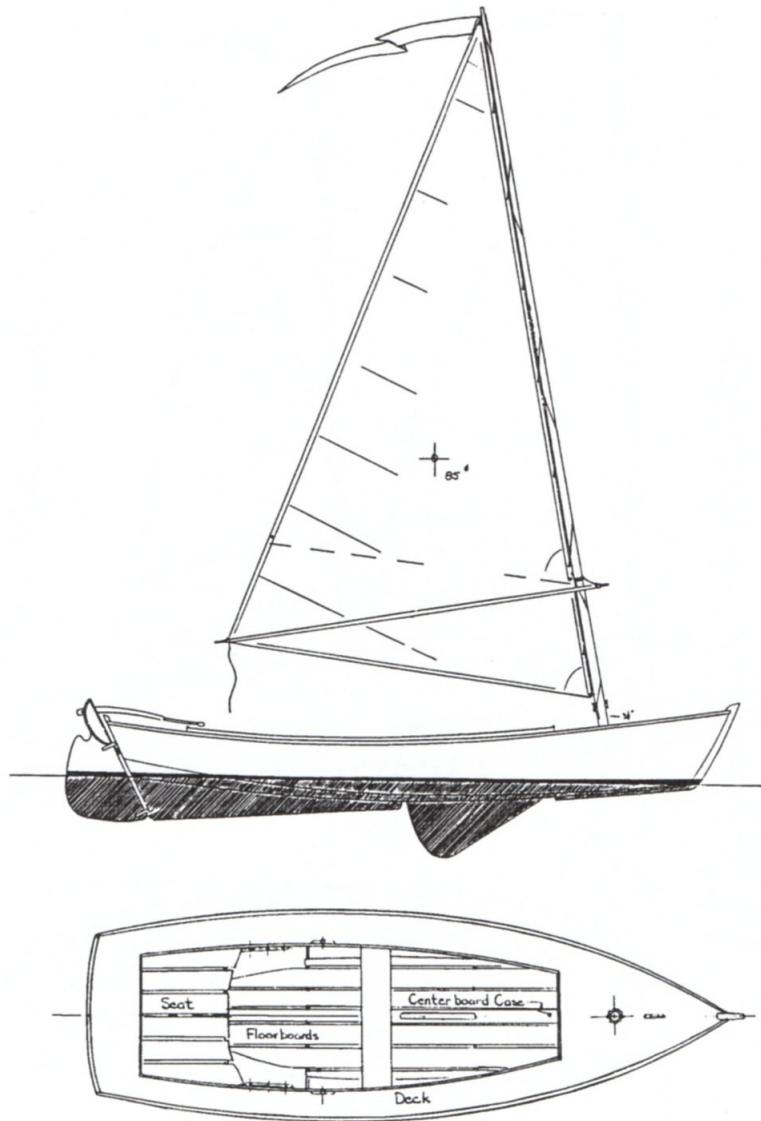
Length.....	16'-0"
Beam	6'-0"
Draft.....	1'-0"
Weight	850lbs
Power	40-60hp



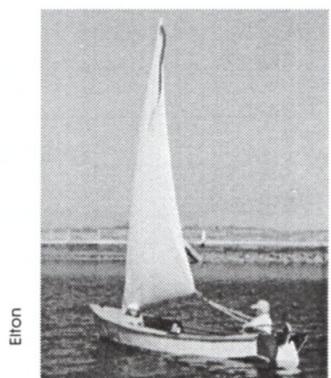
Wolf

SHOESTRING was designed for Gary Clements of GFC Boats who wanted a good performing power boat without all the expense of showroom models. Numerous variations are suggested including: bowrider, runabout, and cabin models. Features include: striking appearance, Vee hull for good performance in a chop, and easy panel construction. Construction is tack and tape 1/2" bottom and 3/8" sides over straight frames. Epoxy is used throughout. Plans include: materials, lines, construction, and frame patterns. No lofting is required.

WINDWARD 17

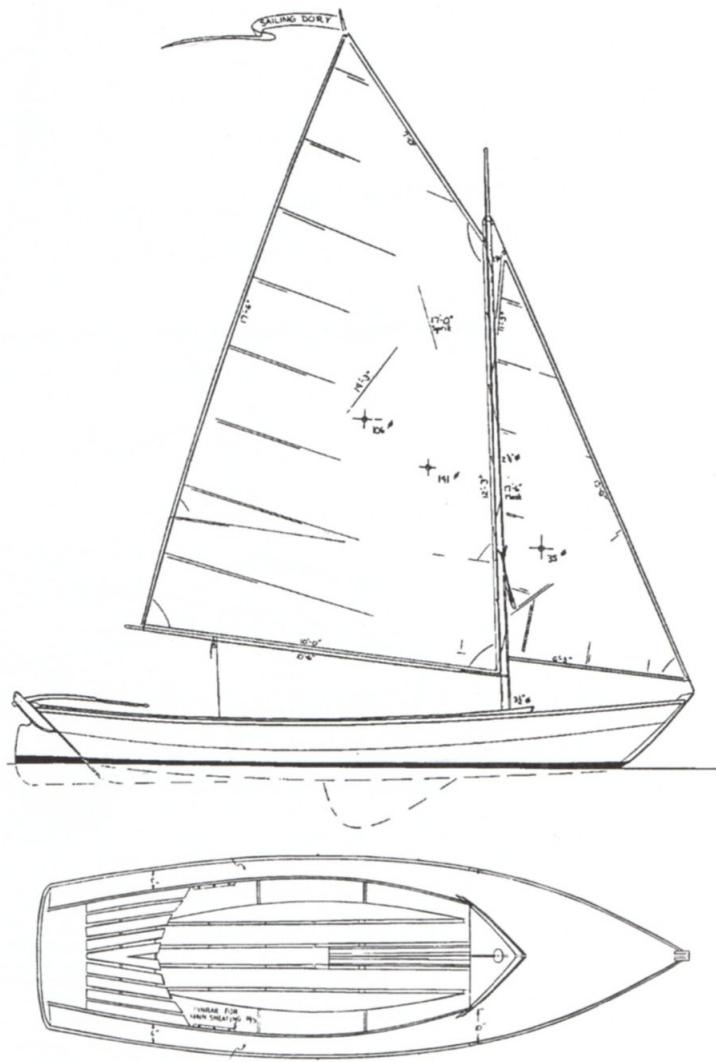
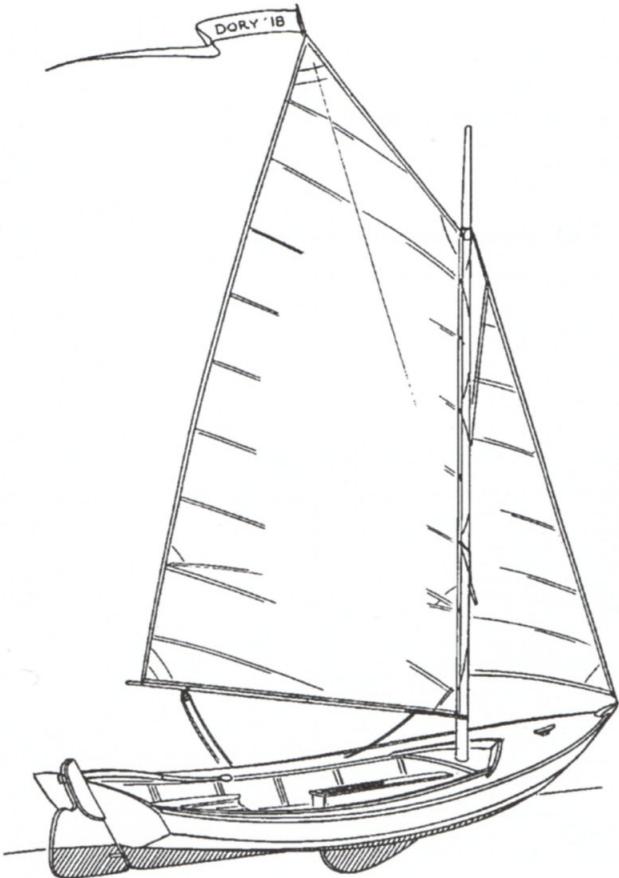


Length.....	17'-0"
Beam	5'-0"
Draft.....	1'-3" bd up • 2'-6" bd dn
Weight	280lbs
Sail Area	106sf



WINDWARD 17 was designed for Richard Elton of Mt. Pleasant, NC. He wanted a longer version of the successful Windward 15 with a larger cockpit (2ft) and more sail area. She is fast with modest sail area, has camp cruising capabilities under a boom tent, and has a stable chine hull. The sprit boom is very easy to handle on all points of sail and in strong wind. Her graceful lines make her a pleasure to build and sail. See Boat Design Quarterly (No. 2) for a design review. Construction is 3/8" plywood and epoxy over straight frames. Plans include: materials, lines, construction, and a sail plan. A full size frame plan is available.

SAILING DORY 18

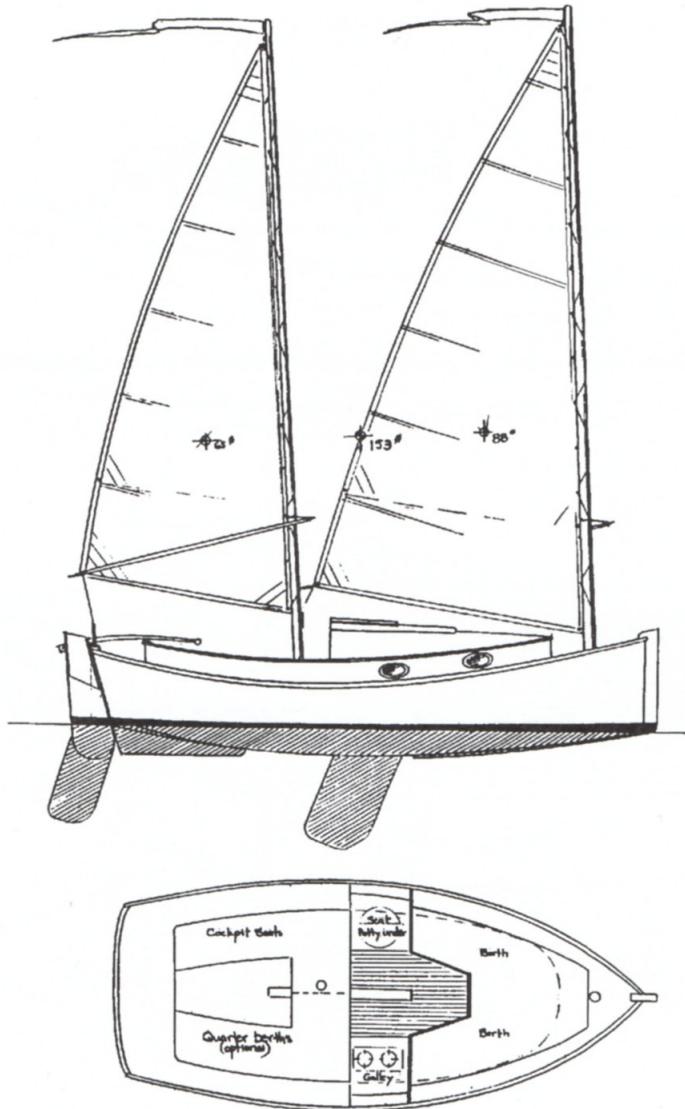


Length 18'-0"
Beam 5'-0"
Draft 0'-8" bd up • 3'-0" bd dn
Weight 650lbs
Sail Area 141sf



SAILING DORY 18 is a modified dory with good sailing characteristics. Her cockpit is spacious for daysailing and beach cruising. The sprit rig is easy to setup; she can be underway in minutes. The sail plan is well proportioned to provide good sailing characteristics, she's easy to handle to windward and well behaved down wind. She will perform. The SAILING DORY 18 is an attractive traditional design built of proven materials. Build her and you will enjoy many hours of fun and adventure on the water. Construction is 3/8" plywood and epoxy, watertight and long lasting for years of enjoyment. Plans include: materials, setup illustrations, construction, and sail plan. A full size frame plan is available.

CATBIRD 18



Length 18'-0"

Beam 8'-0"

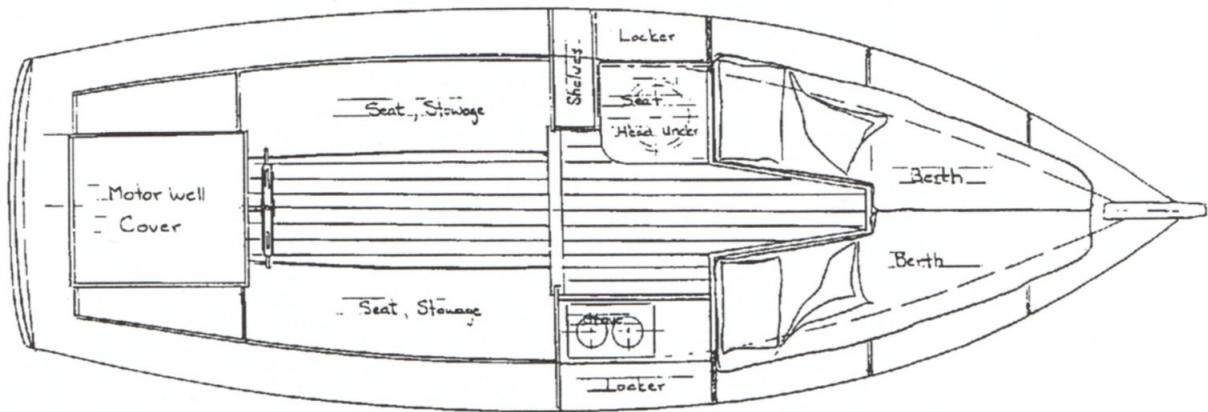
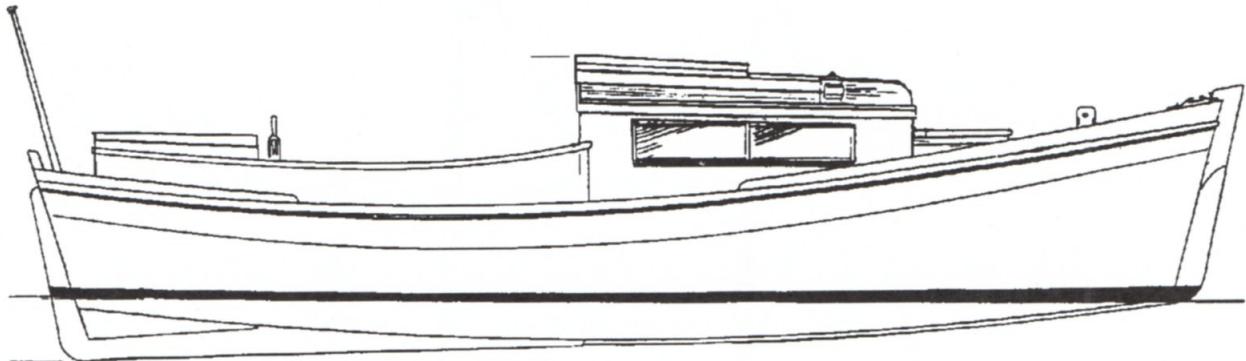
Draft 1'-0" bd up • 4'-0" bd dn

Weight 2000lbs

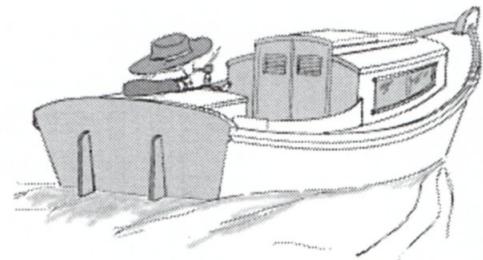
Sail Area 153sf

CATBIRD 18 is a shallow draft cruising sailboat with accommodations for two adults and one or two children. A large quarterberth is provided to port. Her features include: easy construction, shallow draft, and trailerability. A self-bailing cockpit combined with her sprit boom rig provides a extra capability for this sharpie design. Look for a design review in Boat Design Quarterly (No. 3). Construction is 1/2" plywood and epoxy over straight frames. Plans include: materials, lines, construction, and sail plan. A full size frame plan is available.

REDWING 18

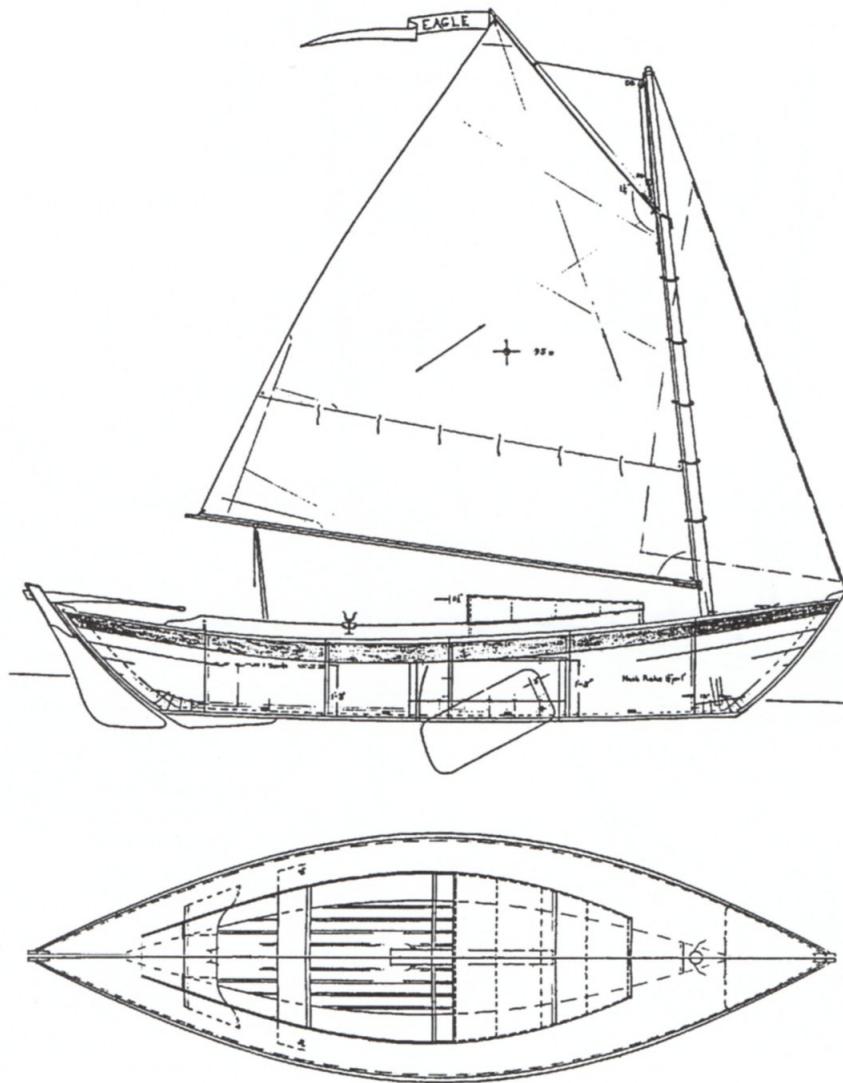


Length.....	18'-6"
Beam	6'-6"
Draft.....	1'-0"
Weight	1200lbs
Power	5-10hp



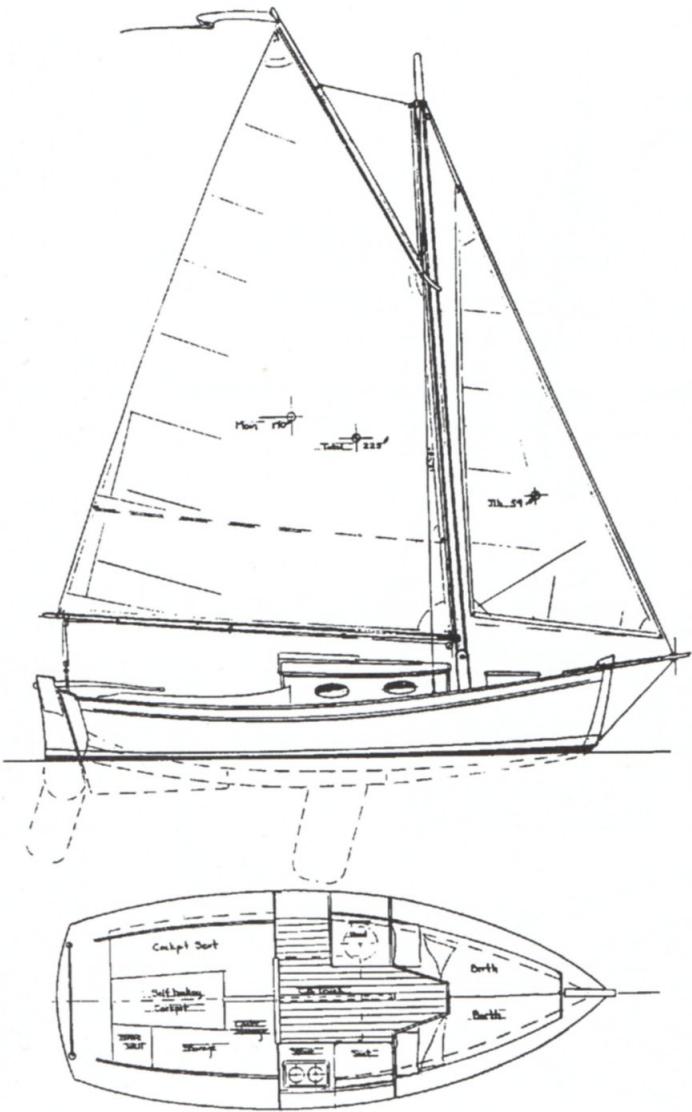
REDWING 18 is an ideal pocket cruiser for exploring creeks, coves and backwaters at modest expense to build and operate. Enjoy a restful pace of travel on the water. The motor is enclosed for silent running. Speed is 5-7 knots. She has a shallow draft to enjoy backwater cruising. She is trailerable. Look for a design review in Boat Design Quarterly (No. 1). Construction is 1/2" plywood and epoxy over straight frames. Plans include: materials, lines, construction, and arrangement. A full size frame plan is available.

SAILING DORY 19

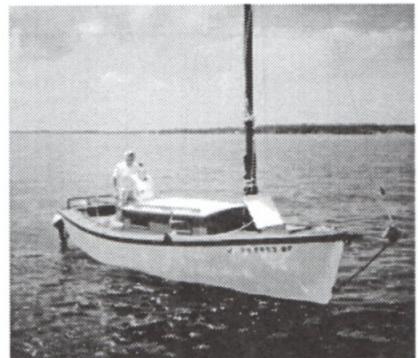


Length.....	19'-0"
Beam	5'-6"
Draft.....	1'-3" bdup • 2'-6" bddn
Weight	1100lbs
Sail Area	95sf

SAILING DORY 19 was designed for daysailing in the Alaskan coastal waters where weather conditions and tides are often unpredictable and challenging. Build her and you will be pleased with her capabilities. Construction is plywood lap construction over sawn frames. Plans include materials, lines, construction and sail plan.

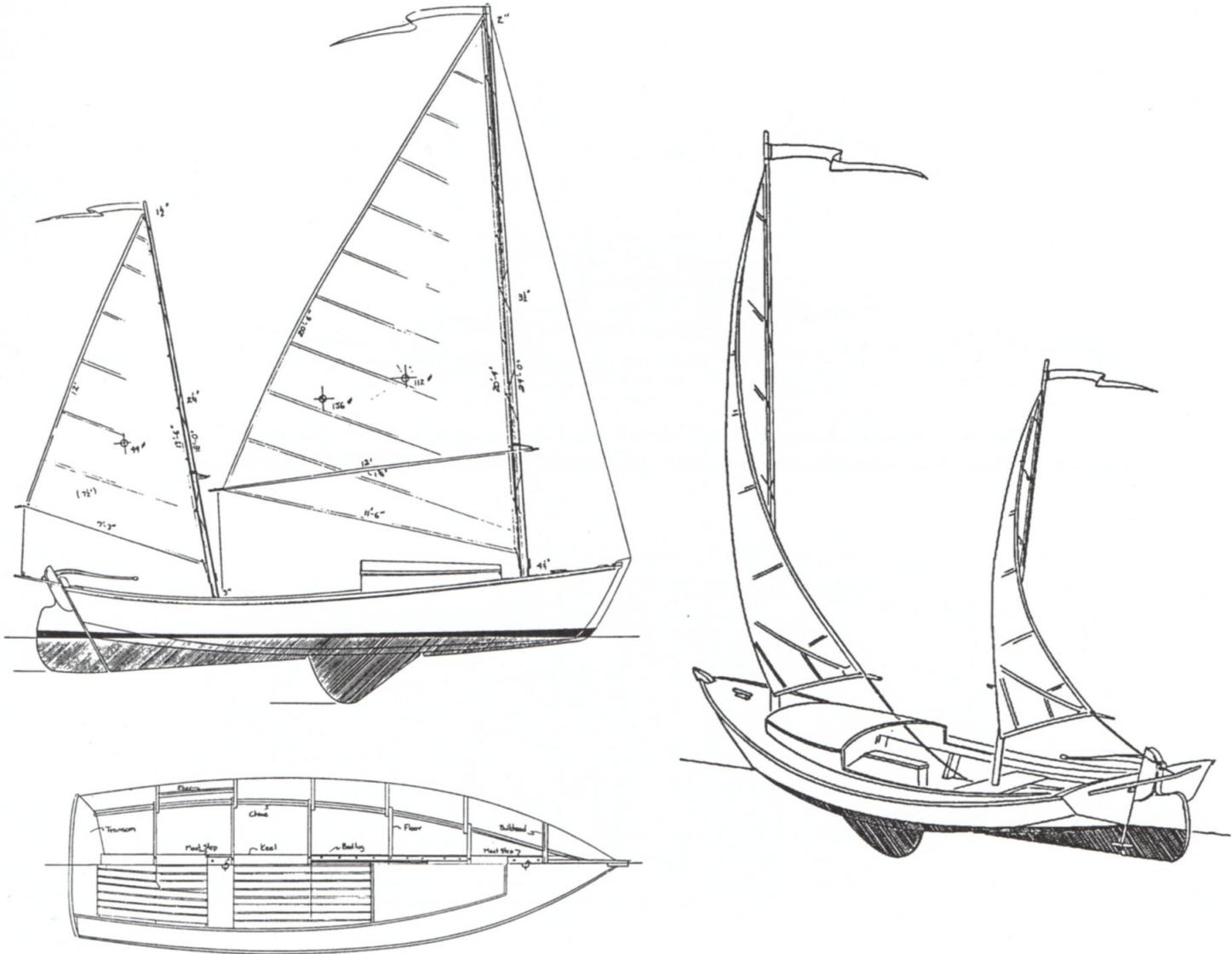
MIST

Length..... 19'-6"
Beam 8'-0"
Draft 1'-4" bdup • 3'-0" bddn
Weight 2400lbs
Sail Area 225sf



MIST is a traditional pocket cruiser built in modern materials. She has accommodations for two adults and two children. A large quarter berth is provided to port. She is stable and has a self-bailing cockpit. Look for a design review in WoodenBoat (July/Aug '92). Construction is 1/2" plywood and epoxy over straight frames. Plans include: materials, lines, construction, and sail plan. A full size frame plan is available.

WINDWARD 21



Length 21'-0"

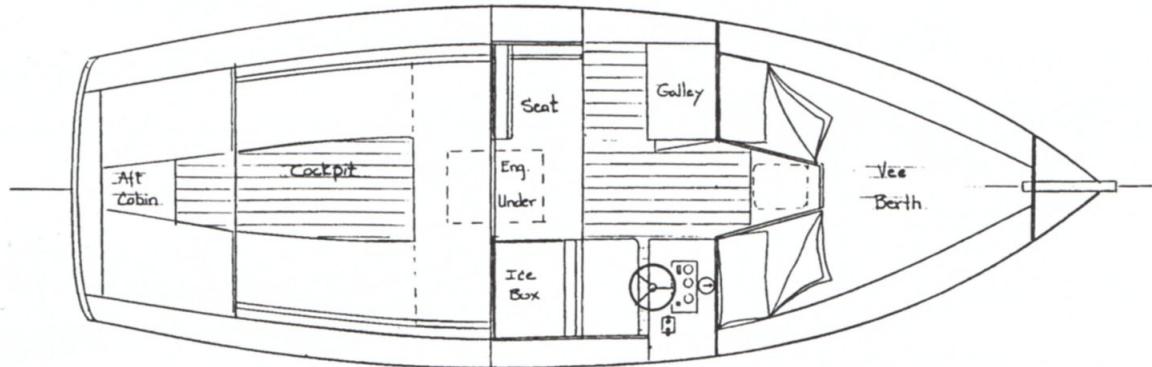
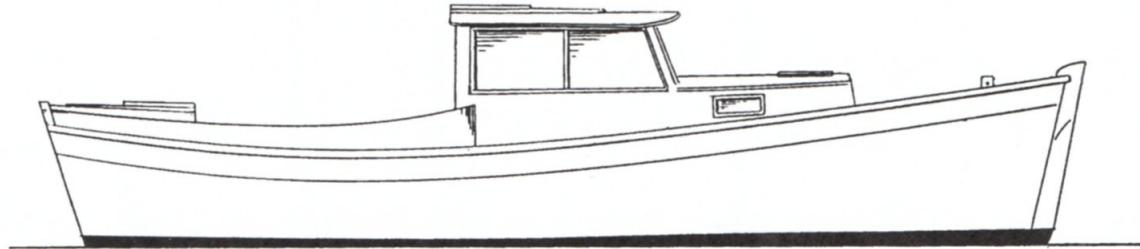
Beam 6'-9"

Draft 1'-4" b'dup • 3'-0" b'ddn

Weight 1200lbs

Sail Area 156sf

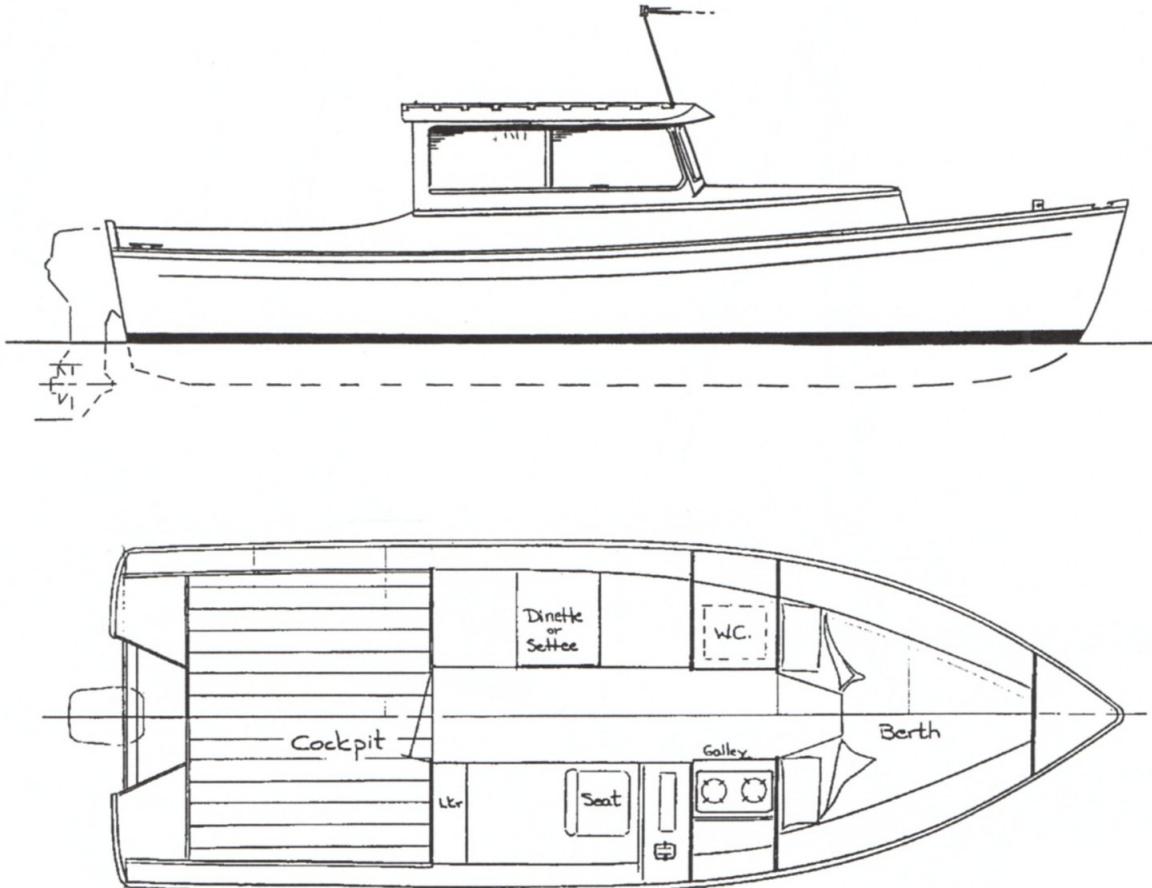
WINDWARD 21 is ideal for daysailing and overnighting. Sail comfortably with a group or spread out in her generous cockpit. She is stable and will carry friends and a picnic lunch for an afternoon sail. Camping style accommodations are provided in the cabin and in the cockpit under an awning. Construction is rugged fir framing, 1/2" plywood bottom, and 3/8" sides with epoxy. Look for a design review in Boat Design Quarterly (No. 6). Plans include: materials, lines, construction, and sail plan. A full size frame plan is available.

REDWING 21

Length 21'-0"
Beam 7'-6"
Draft 1'-4"
Weight 1800 lbs
Power 10 hp

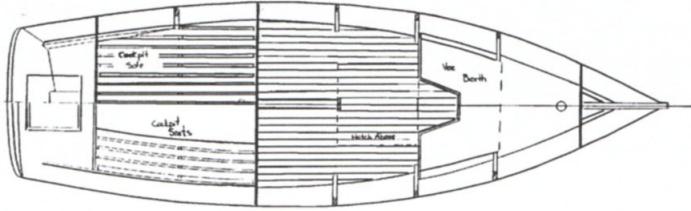
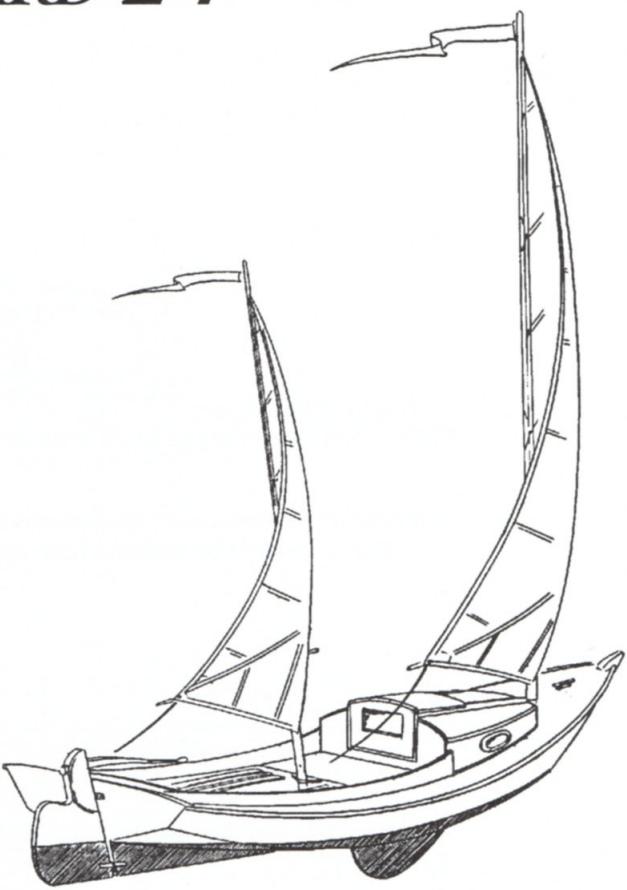
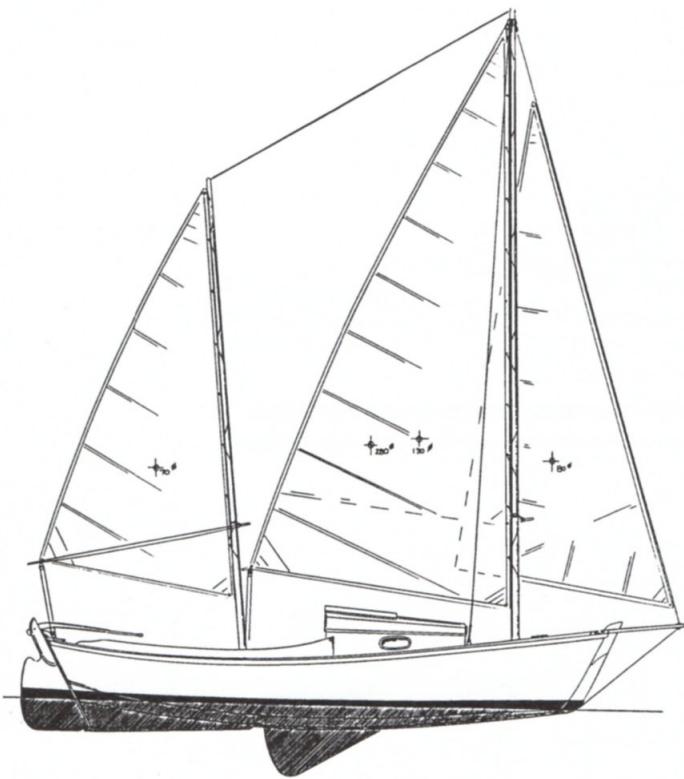
REDWING 21 is trailerable power cruiser. She has simple pleasing lines and will be a joy cruising the waterways. She is designed for modest power including an outboard, inboard or electric. Speed is a leisurely 6 to 7 knots. Sound isolation of the engine or the electric power option will provide hours of silent cruising. She has accommodations for two or four in her cozy cabin layout. Construction is 1/2" plywood and epoxy over straight frames. Plans include: materials, lines, set-up, construction, and arrangement.

BAY POWER CRUISER



Length.....	23'-0"
Beam	8'-0"
Draft	1'-6"
Weight	4200 lbs
Power	80-120 hp

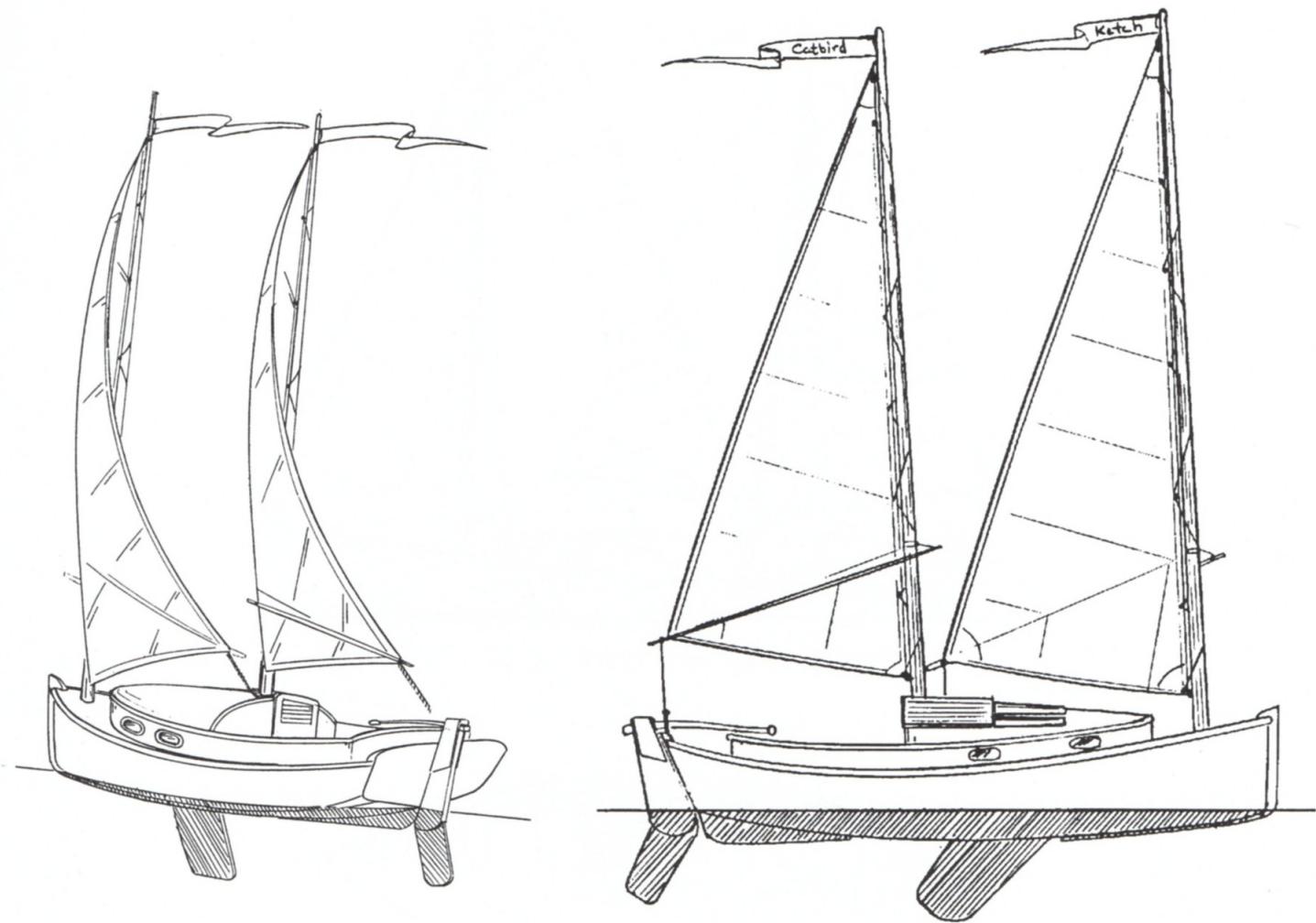
BAY POWER CRUISER has a capable power hull that will cruise economically over a wide power range. She will cruise at 20 knots with modest power four stroke outboard. She features rugged construction, capable Vee hull and is trailerable. Construction is 1/2" plywood and epoxy over plywood frames and bulkheads. Plans include: materials, lines, construction, and arrangement.

WINDWARD 24

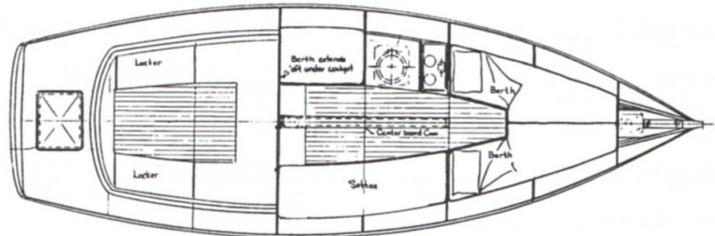
Length	24'-0"
Beam	8'-6"
Draft	1'-4" bdup • 3'-0" bddn
Weight	2800lbs
Sail Area	160sf



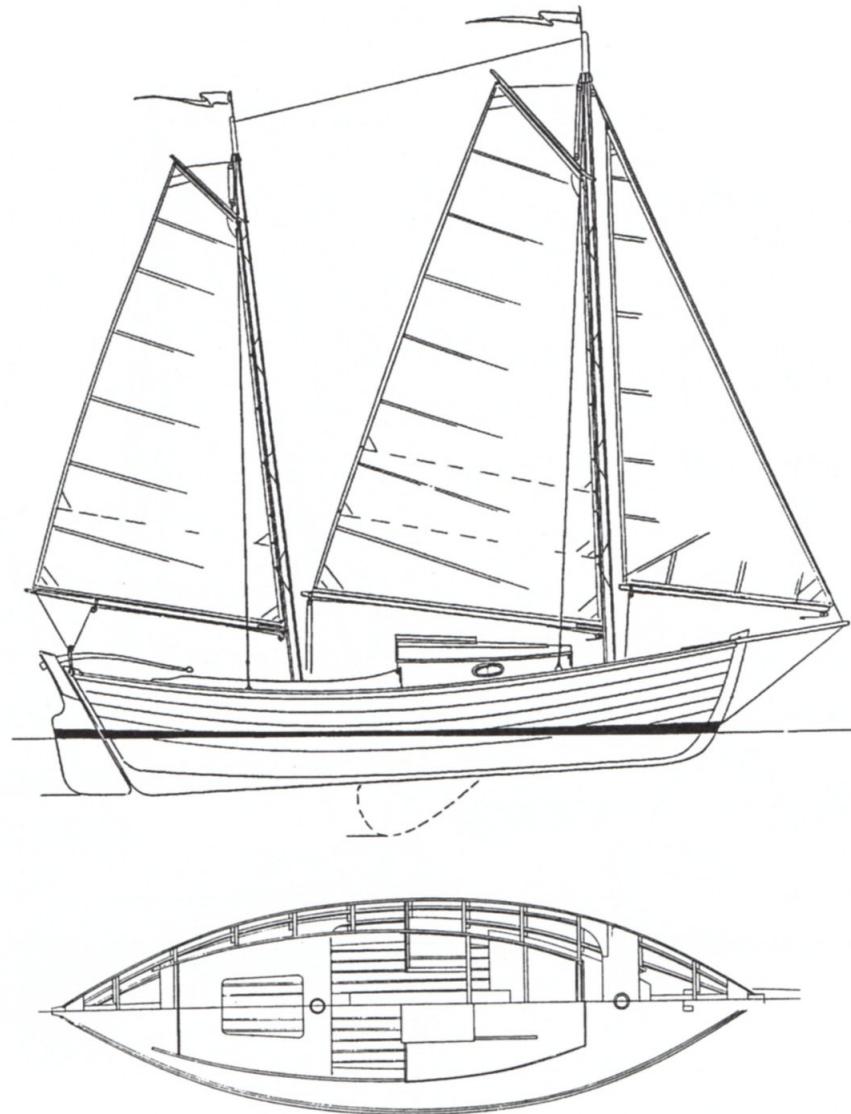
WINDWARD 24 is a shallow draft cruising sailboat that can be built with modest investment. Like her successful sisters, she is ideal for daysailing and overnighting. Sail comfortably with a group or spread out in her generous cockpit. The **WINDWARD 24** is stable and will carry friends and a picnic lunch for an afternoon sail. Cruising accommodations are provided in the cabin and in the cockpit under an awning. Her sail rig is simple and easy to handle. She is very fast on all points of sail. Construction is rugged fir framing, 2 layers of 1/2" plywood on the bottom, and 1/2" plywood sides with epoxy throughout. Look for a design review in Boat Design Quarterly (No. 6). Plans include: materials, lines, construction, and sail plan. A full size frame plan is available.

CATBIRD 24

Length..... 24'-0"
Beam 8'-6"
Draft..... 1'-0" bduP • 4'-6" bddn
Weight 4800lbs
Sail Area 230sf



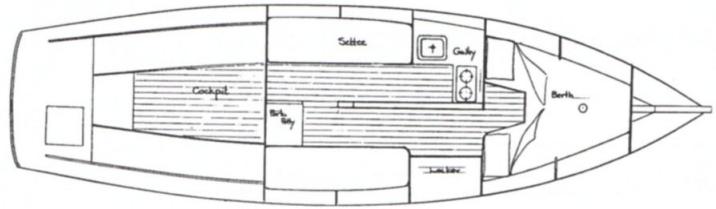
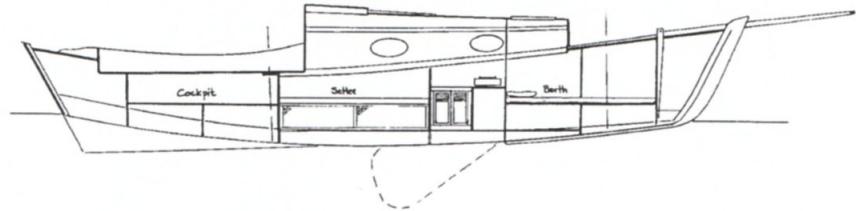
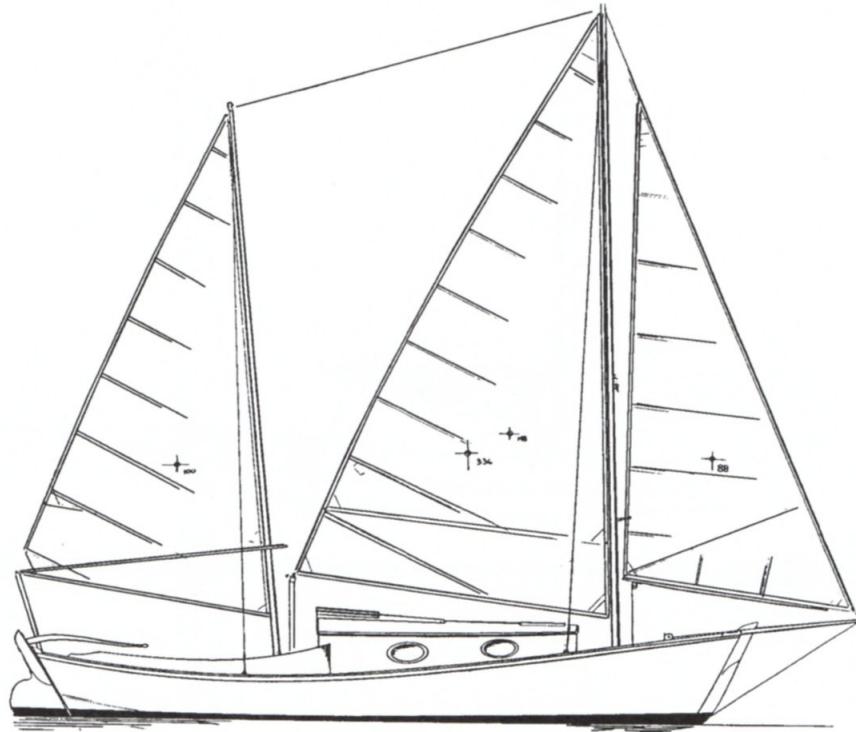
CATBIRD 24 is a shallow draft cruiser with good sailing capabilities. She has a remarkably shallow draft for a boat with her cruising accommodations. She is easy rig and handle on all points of sail. Construction is 1/2" plywood and epoxy over straight frames and bulkheads. Hull construction is easy and quick. Build her and sail to your favorite shallow water retreat. Anchor in a cove or pull her up to the beach for an afternoon. She has lots of possibilities for spending time in areas others seldom find. Plans include: materials, lines, construction, and sail plan. A full size frame plan is available.

DABBLER

Length.....	25'-0"
Beam.....	8'-0"
Draft.....	2'-0" bdu, 4'-0" bddn
Weight.....	6200lbs
Sail Area.....	310sf

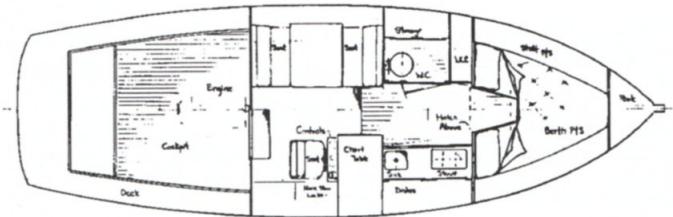
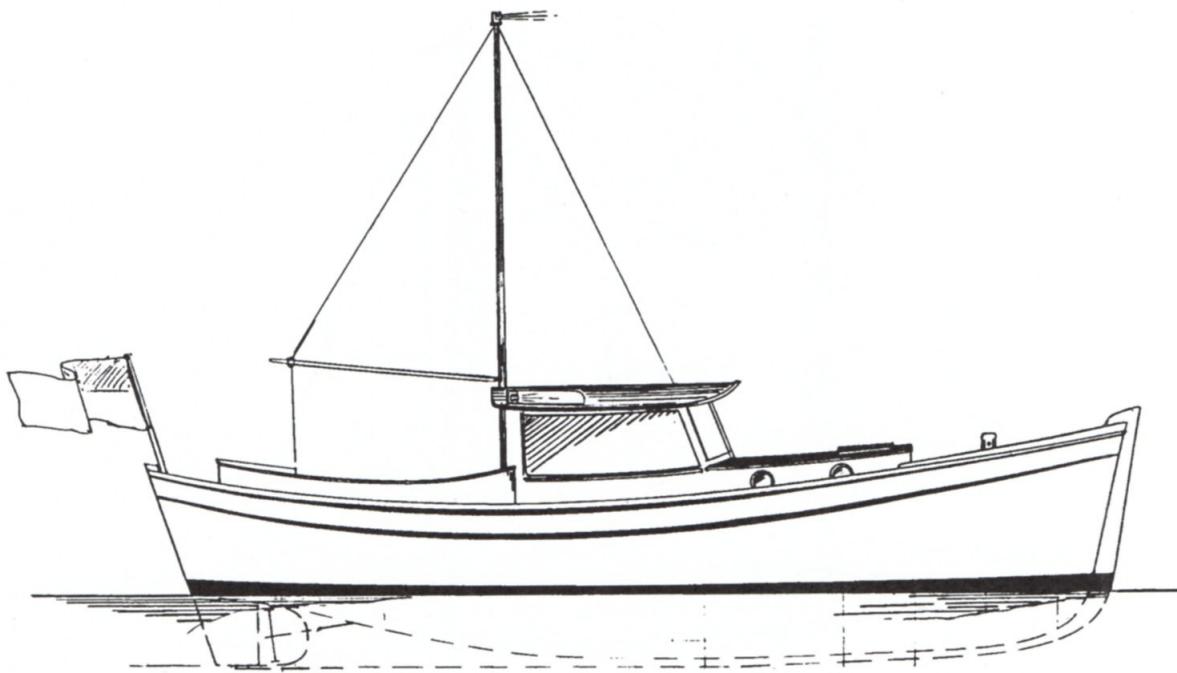
DABBLED is an able cruiser for bays and sounds where the chop builds and a seaworthy hull is desirable. She has accommodations for two in a cozy cabin. The cockpit is roomy for daysailing with family and friends. Construction is glue lap plywood and plywood molded Vee bottom. An option is included for plywood sides with a 3/4" sheerstrake to set off her pretty lines. Plans include: materials, lines, construction and sail plan.

WINDWARD 28



Length 28'-0"
Beam 8'-6"
Draft 1'-6" bdup • 3'-6" bddn
Weight 6500lbs
Sail Area 336sf

WINDWARD 28 is a cruising version of her successful shallow draft sisters. She has generous accommodations in her cabin. Other arrangement options are possible including an enclosed head and quarterberths extending under the cockpit. Her self-bailing cockpit is large, enabling family and friends to spread out. She is suited for a 15hp outboard or a 10hp inboard. The split ketch rig is easy to handle and reduces easily as the wind pipes up. Her hull is sturdy 1/2" plywood and epoxy on plywood bulkheads and frames. Plans include: materials, lines, construction, and sail plan.

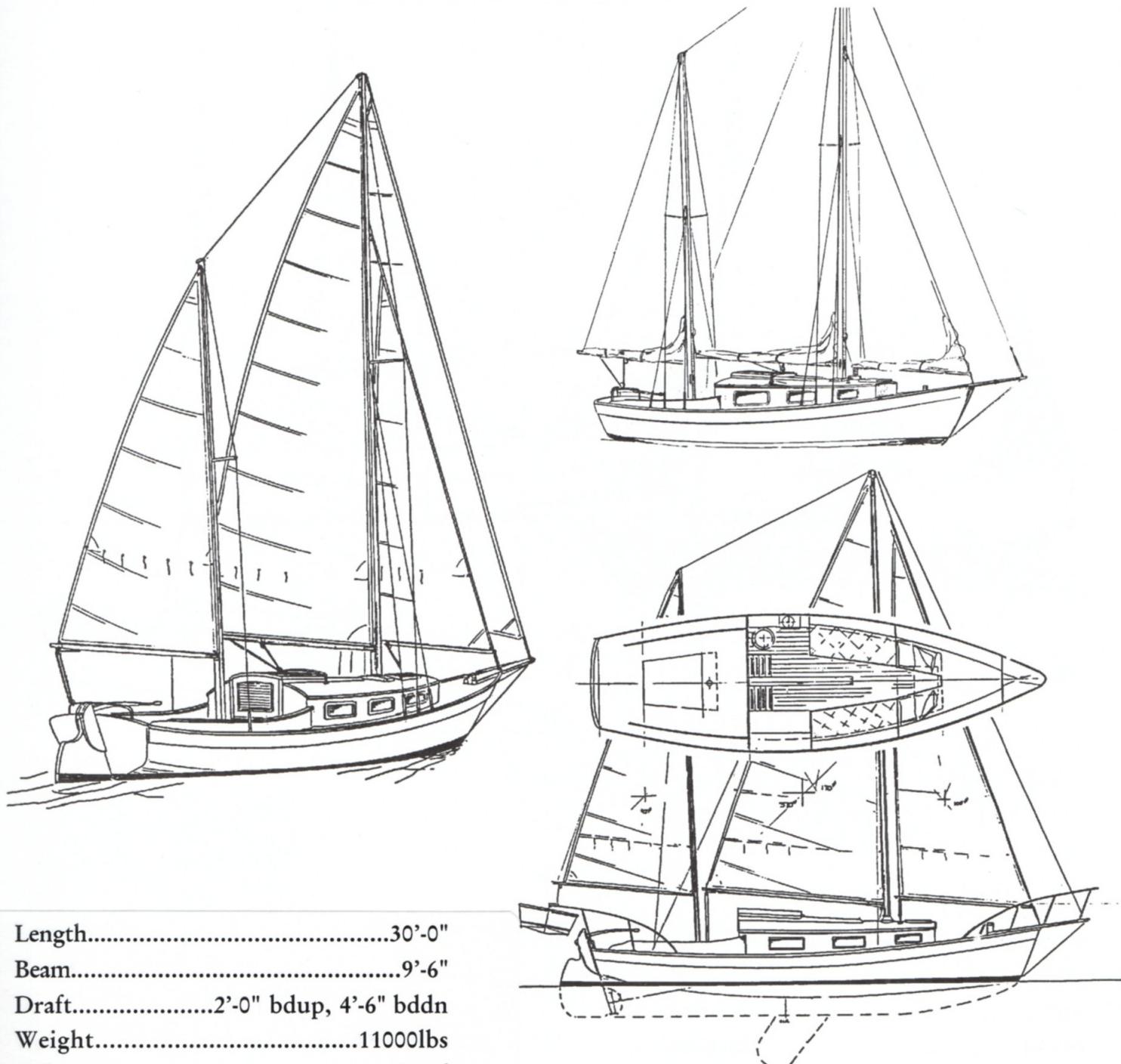
PUFFIN

Length 28'-0"
Beam 9'-6"
Draft 2'-0"
Weight 6500lbs
Power 30-40hp

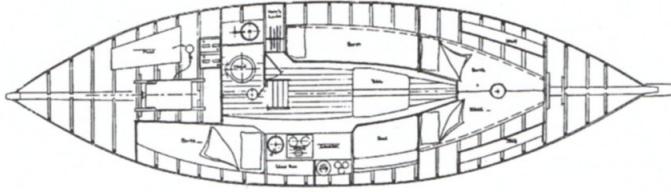
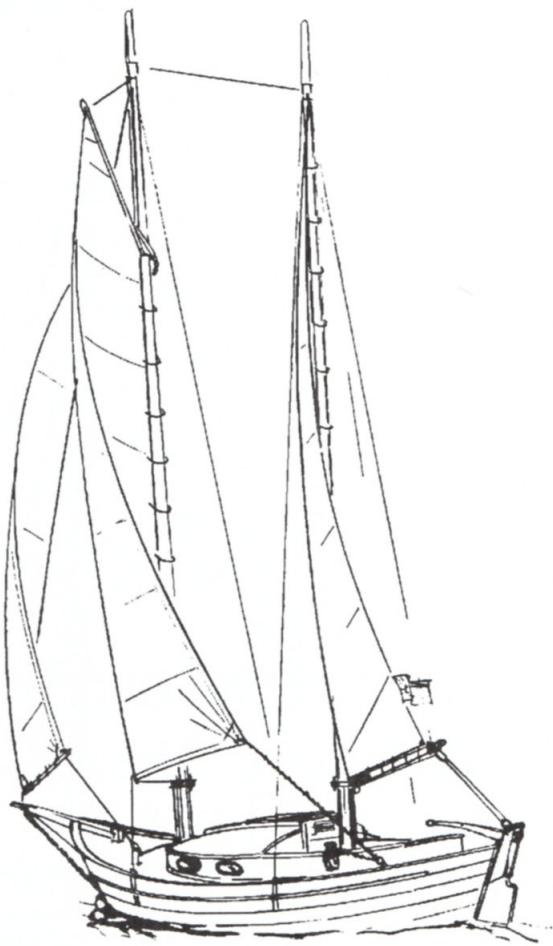
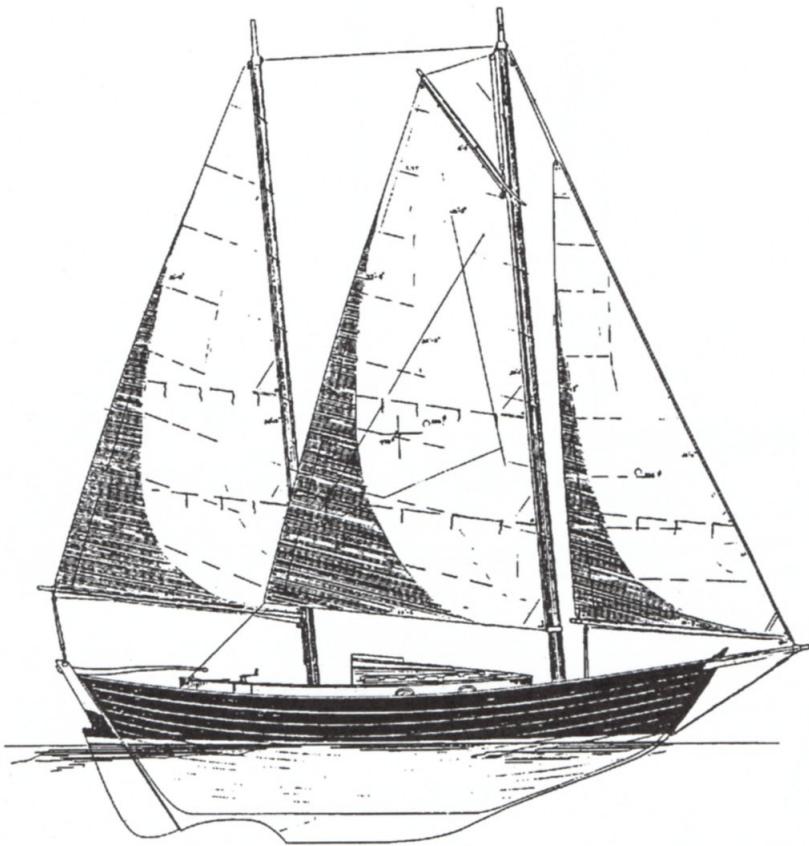


PUFFIN 28 is designed to cruise long distance economically. She is powered by a 30 hp diesel and will cruise for days at 7 to 8 knots. This boat is ideal for cruising the intercoastal waterways and enjoying the scenery as you go. Her shallow draft is suited for exploring your favorite cruising areas. A solid lumber sheerstrake adds to her appearance and strength. Her hull is 1/2" plywood coated in epoxy for years of use. Plans include: materials, lines, set-up, construction, and arrangement.

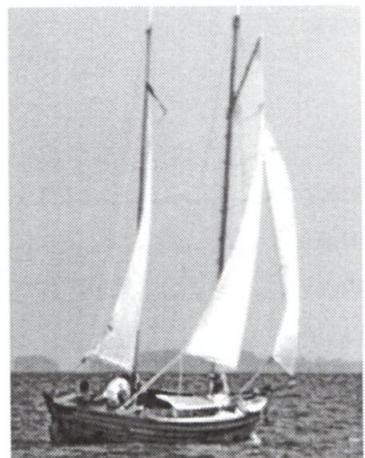
BAHAMA MAMA



BAHAMA MAMA was designed for Gary Clements of GFC Boats. He wanted a shallow draft cruising sailboat to be built with modest means. She is a seaworthy design for island hopping, has standing headroom, sits upright when the tide runs out and has accommodations for 4 or 5 people. Full keel and tandem centerboard versions are also available. She has big boat capabilities and accommodations. Ideal for island hopping and anchoring in a secluded anchorage. Look for a design review in *WoodenBoat* (May/June '94). Construction is plywood and epoxy tack and tape construction. Plans include: materials, panel dimensions, construction, sail plan and rig details.

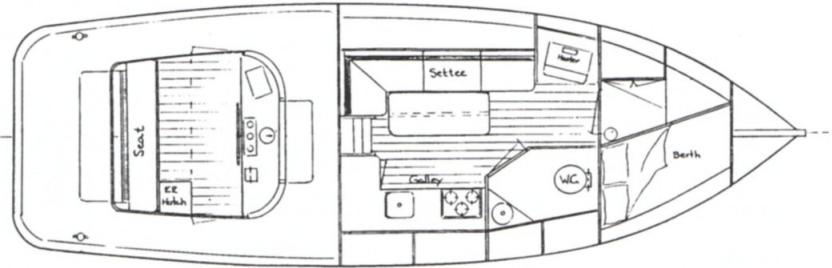
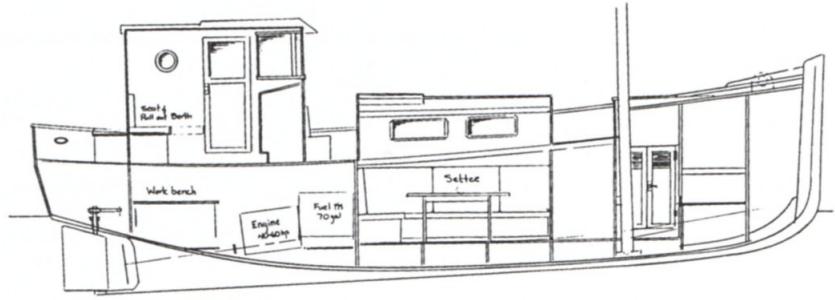
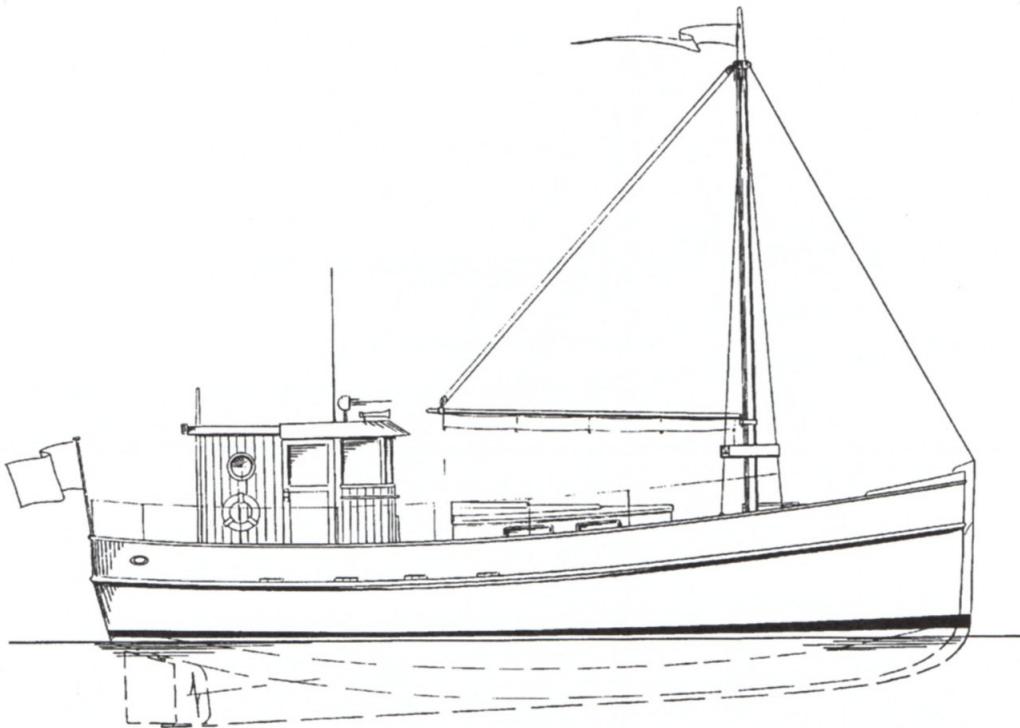
COASTER

Length 30'-0"
Beam 8'-9"
Draft 4'-6" b'dup
Weight 12000lbs
Sail Area 470sf



I designed and built the original **COASTER** for my own use. She has a unique traditional appearance, is easy to handle, remains well balanced under various sail combinations and, yes, she is fast. Construction is lapstrake planking over steam bent frames. Plans include: materials, lines, construction, sail plan, and full size keel patterns.

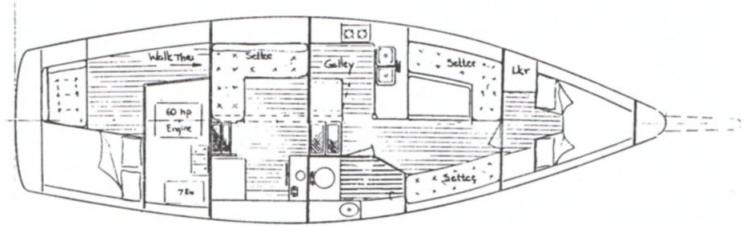
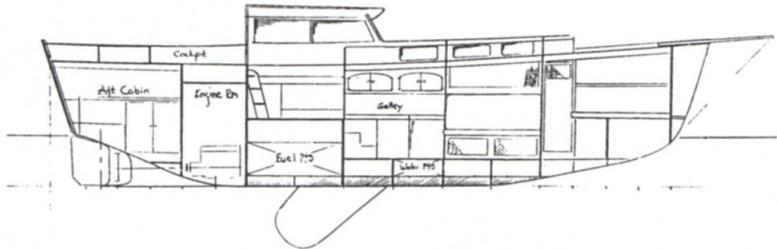
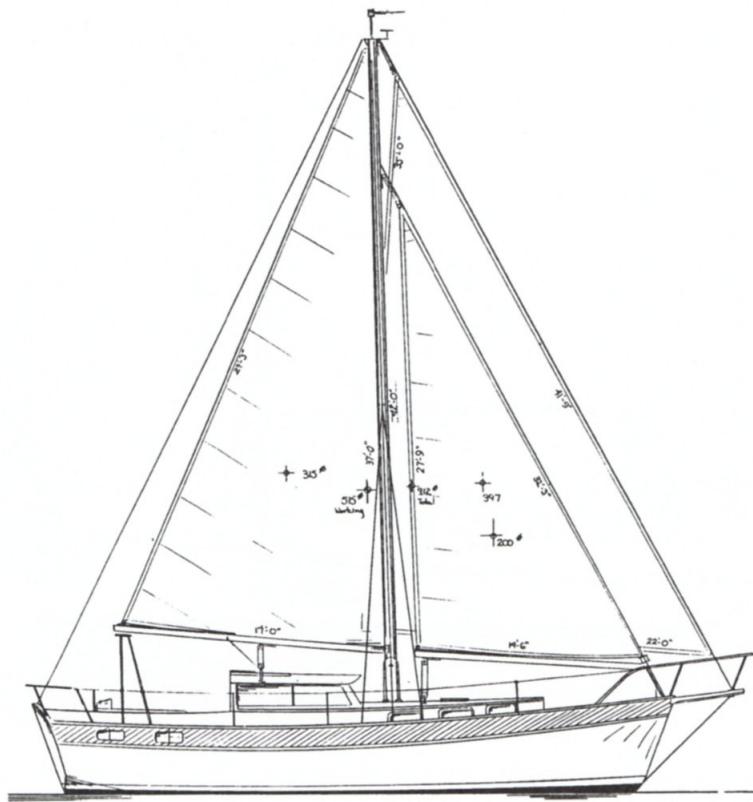
CRUISER 36



Length.....	36'-0"
Beam	12'-6"
Draft.....	3'-0"
Weight	28000 lbs
Power	40-60 hp

CRUISER 36 is a little ship designed to enjoy the simple life cruising long term or anchored in a quiet cove for the weekend. She has a real pilothouse to enjoy the cruise and see the little ship in front of you as you go. The cabin is nicely laid out for serving visitors and occasional crew. With an economical diesel she will cruise at 8 knots with a range of 500 miles or more. Construction is plywood and epoxy or steel over straight frames. If you look at her closely you can imagine what she would look like with a hold amid ship for trading goods between the islands. Plans include: materials, lines, construction and arrangement.

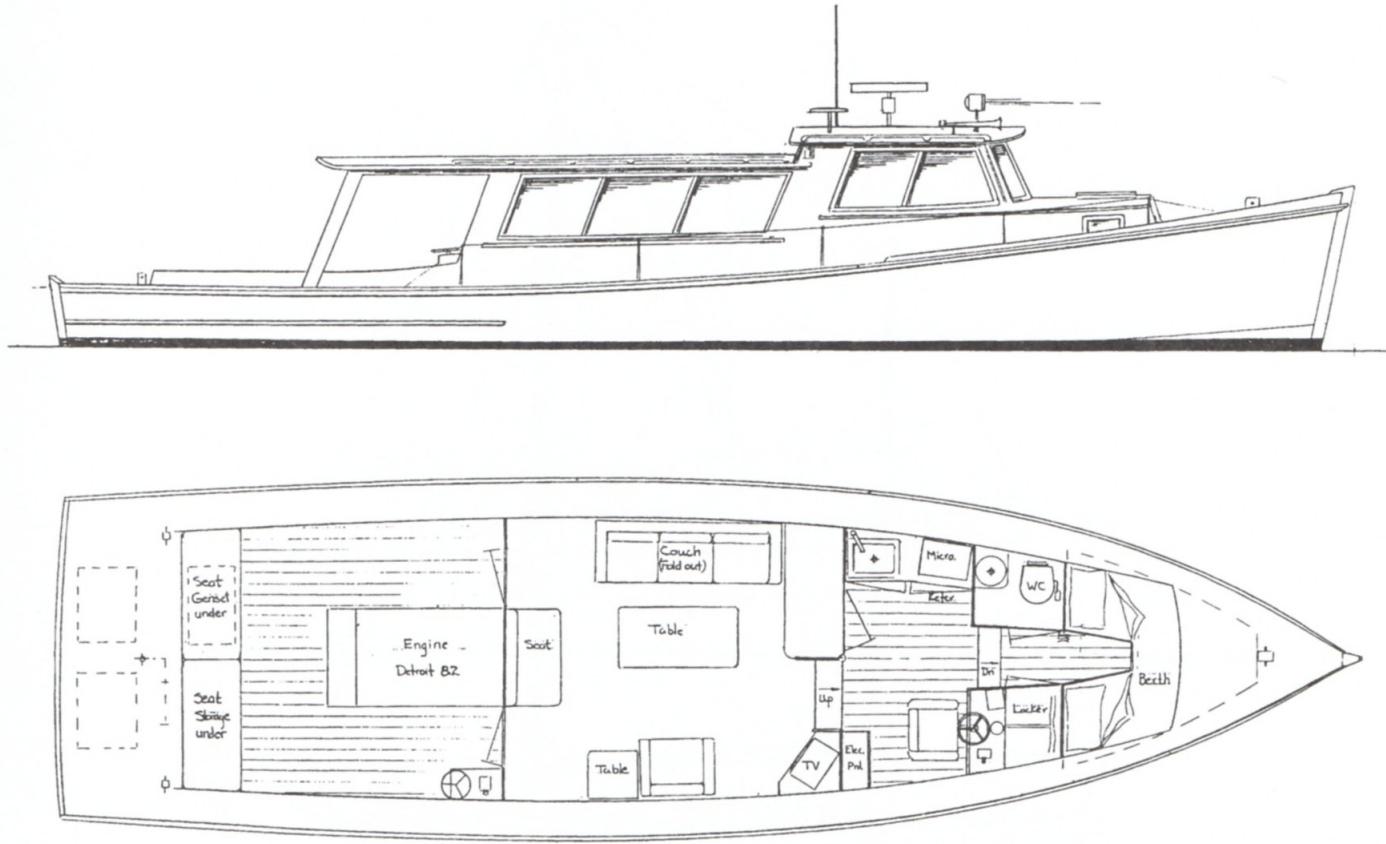
SHALLOW DRAFT 40



Length	40'-0"
Beam	12'-6"
Draft	3'-0" bd up • 8'-0bd dn
Weight	32000lbs
Sail Area	680sf
Power	60-80hp

All too often, large sailing yachts capable of an ocean passage are restricted to deeper water when they arrive at their cruising destination. The **SD40** is a shallow draft cruising sail boat that will be at home exploring, and will have the protected end of the anchorage to herself when she arrives. The hull shape and ballast ratio combine to produce a stable hull that is capable of offshore passages. Construction is tack and tape plywood and epoxy. Steel construction is possible. Plans include: materials, lines, construction, and sail plans.

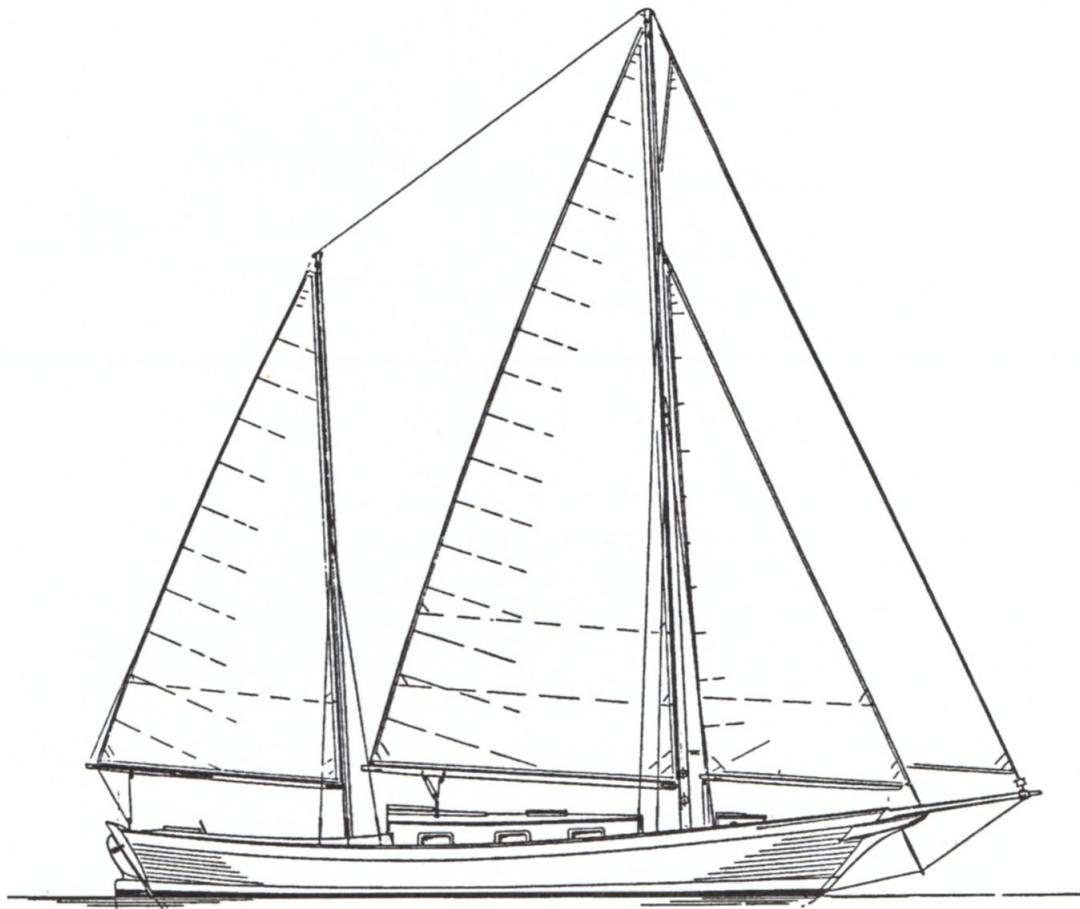
BAY BUILT 43



Length..... 43'-0"
Beam 12'-2"
Draft..... 3'-0"
Weight 28000 lbs
Power 240 hp

I have often been asked for plans of a Chesapeake Bay built deadrise by those who see the potential for an economical cruiser as a conversion from an existing workboat. This design started out as a conversion and shows the potential for a fine cruiser that is ideal for day trips and entertaining and just plain fun on the water. She is low and sleek in keeping with her original hull. Accommodations shown are nicely laid out for entertaining friends. She would work out well as a commuter. Plans include: materials, construction, arrangement, and one-line electrical diagram.

OCEAN SAILING YACHT



Length..... 42'-0"

Beam 12'-0"

Draft..... 4'-6" bdup • 9'-0" bddn

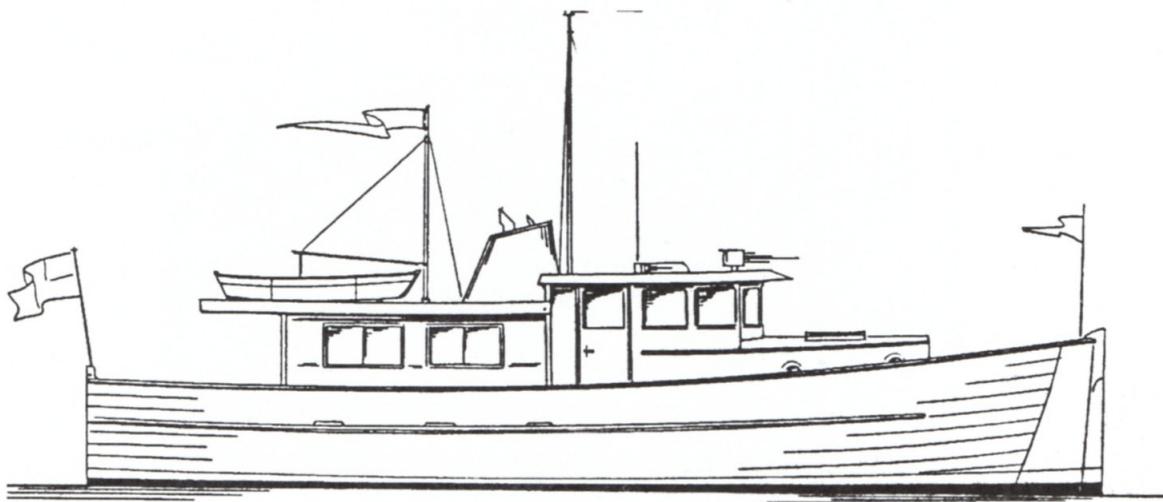
Weight 35000 lbs

Sail Area 780 sf

Power 60-80 hp

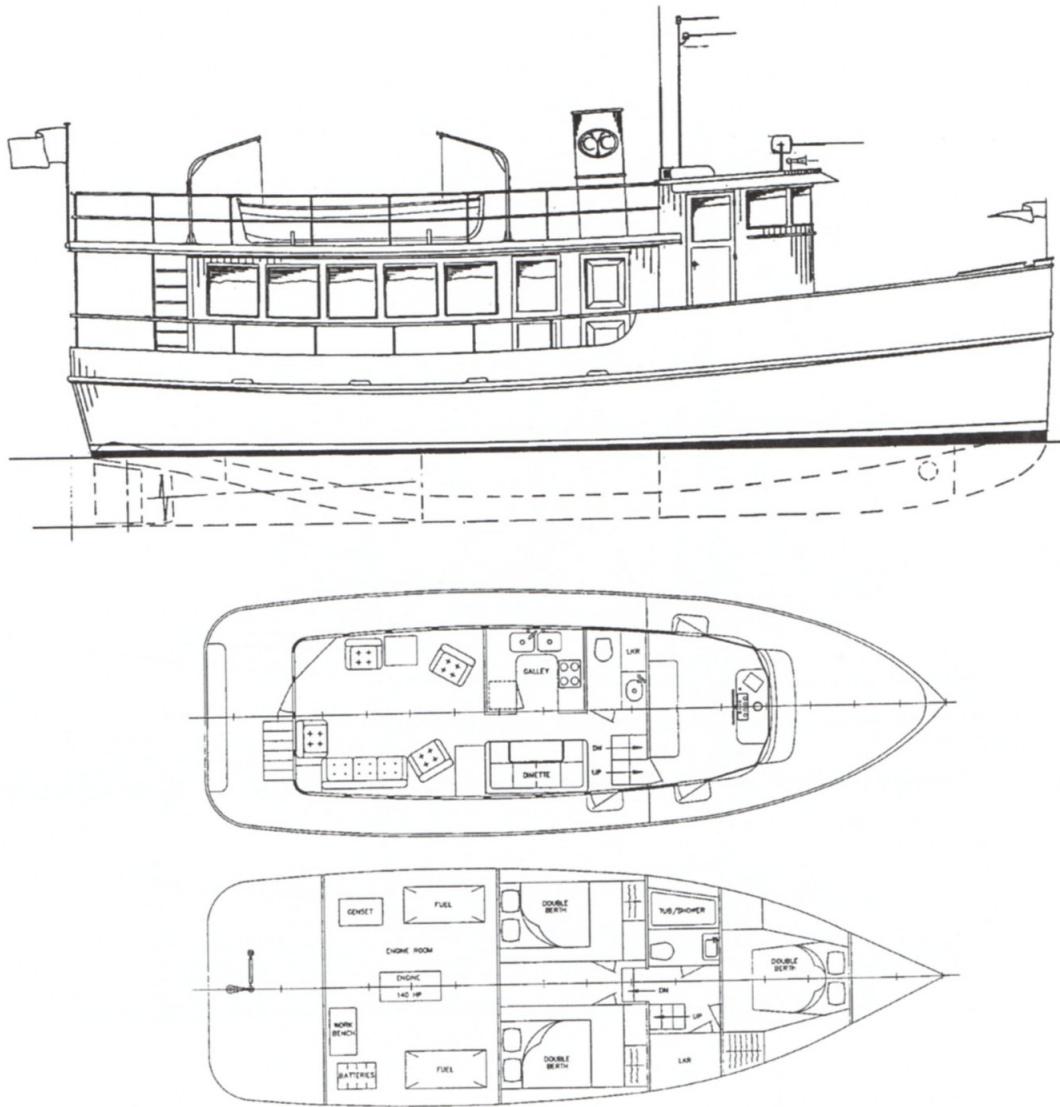
OCEAN SAILING YACHT is a fine lined classic design for liveaboard cruising. Her size is about the right compromise between accommodations and expense. Construction is strip planking and cold molding. Custom accommodation plans are available to individual owner's requirements.

POWER CRUISER



Length.....	48'-0"
Beam	14'-0"
Draft.....	4'-0"
Weight	45000 lbs
Power	Twin-65 hp

POWER CRUISER is an economical liveaboard boat for traveling the waterways in comfort and style. She will cruise at 9 knots for days and has a top speed of 12 knots. Construction is plywood and epoxy or steel. Custom arrangements are available for individual owner's requirements.

CLASSIC 50

Length 50'-0"
Beam 16'-0"
Draft 3'-6"
Weight 55000 lbs
Power 140 hp



This classic design has lines and style reminiscent of a period of fine yachting. However, her hull is suited for plywood and epoxy or steel construction. She has plenty of room for several guests and has potential as a charter yacht or a floating B&B. She can have many of the comforts suited to her style without becoming overcrowded, boxy or expensive to build and operate. With a proper diesel, perhaps a Detroit 6-71 she will cruise long distances at a civilized and affordable pace. Her pilothouse is set for a real mahogany ship's wheel and polished brass instruments and hardware. Her salon is large and a fine place to watch the scenery as she cruises along the coast and waterways.

Pretty as a Postcard



DEAR KARL,

HERE'S THE WINDWAIRD 15 'MAKY J'
AT JOST VAN DYKE IN THE BRITISH
VIRGIN ISLANDS. IT WAS BUILT IN
THE BACK YARD IN SOLOMONS, MD AND
SHIPPED TO ST THOMAS IN A CRATE
WE'VE BEEN USING IT EVERY DAY AS
A TENDER TO A 56' YAWL. IT SALES
GREAT AND GETS A LOT OF
ATTENTION. WE'VE BEEN GIVING
YOUR NAME OUT ALOT. WHAT TYPE
OF KNOT DO YOU USE FOR THE SNUTTER?
MAKY AND STEVE

CHARLOTTE AMALIE, VI

WE LOVE OUR BOAT!

Photos to Postcards

UNIEK PRODUCTS • 805 UNIEK DR • WAUWAKEE, WI 53597



Karl Starnbaugh
794 Creekmow Road
Severna Park, MD
21146

LETTERS FROM AFAR



Windward 15

Dear Karl,

Consider this letter as "Fan Mail." Mostly because, as I approach retirement, I had come to believe that the day of the simple plywood boat had passed. Along comes Karl!

I live on the West Coast of British Columbia... bought my first boat at age 15... twelve foot planked putt-putt 3 HP Briggs. Fifteen boats later was a 28 foot Monk Jr. power boat. Illness and financial problems slipped quietly into my life and now having come to grips with all these things, I'd like to build or have built this super simple little boat shown below. Two of us need to sleep and live on this wee vessel for some time. It needs to have a concealed 20-25 HP O.B. 4-cycle motor in the stern for 7 knots of travel. Do you have anything resembling this notion? If you have a catalog, please send it along.

Best wishes— David Thornley
B.C., Canada

Dear Mr. Stambaugh,

I wish to order a set of plans to your boat Windward. Please find enclosed my cheque as stated in WoodenBoat magazine. Your craft is very beautiful and harmonious, especially as rendered by Kathy Bray.

Although this will be my first attempt at boat building, the design seems to be straight forward and not complicated. With that in mind, any comments you care to make would be greatly appreciated.

If all goes well, I'll have her in the water next season. I'll send a photograph. Wish me luck!
Sincerely— Douglas B. Wilde
TX

Dear Karl,

Hi! It's funny how you will by-pass something until it finally sinks in. I've seen the Windward 15 advertised and, being a Southerner who grew up on the water, the Chesapeake boats were always a unique joy.

But to be honest, another sailing skiff didn't draw my attention for long.

Then I caught myself turning back and checking it out. Then again— well, one more time. Now I sit and stare at the damn thing. You have done a beautiful job— so simple, so pretty. That's an art.

Two questions: one is okay, one is goofy. We want to use the boat for cruising the keys and cruising the Queen Charlotte, B.C. area. Do you have any suggestions for using the boom sprits for a tent covering for the cockpit?

Yours truly,— E. F. Blackwell
FL

Dear Mr. Stambaugh,

Thought you might enjoy this photo. I took it July 5 at Cruz Bay, St. John, U.S. Virgin Islands. It appears to be a Windward 15 or 17. I didn't wade out to it but from shore she looked great.

Please send me your brochure of designs. Seeing the boat has piqued my interest in this design, as I need a new project.

Thanks— Claude Price
TX

Dear Mr. Stambaugh,

Enclosed please find a check and an order form. I wish to purchase study plans for your Seal, Bay Skiff 12, and Mist designs.

May I trouble you for a bit of advice? I am planning either to purchase or build a trailerable pocket cruiser within a few years—thus my order for the Mist plans. However, I wish to build a smaller boat first to see if I can do an adequate job of boatbuilding. I have never before built a boat and have fairly limited woodworking skills. Given all this, I have a few questions: (1) Is the Mist design appropriate for an amateur builder? (2) Of the two smaller designs, which is simpler—the Seal or the Bay Skiff? (I strongly considered building the Windward 15, which is a very handsome design, but I have since bought a boat of about that size, and I don't think I could tuck fifteen feet of boat plus working space into my now-crowded garage!)

Thanks for your help. Let me add that you have perhaps the most appealing group of boat designs that I've seen—traditional without being stodgy, simple without being dull.

Sincerely—Dan Gunter

OR

Dear Karl,

Sorry to be so long in sending the pictures, but what can I say? The BAY SKIFF, "Blue Moon" turned out great! These pictures do her no justice! I have had nothing but compliments from both lubbers and salty old timers. Seats, frames, sheerstrake, gunwale and stern were finished bright. Hull is glassed, painted electric blue, copper/red bottom with a white boottop. The only problem I had with construction was with the nice ash tiller that I steamed and bent into a gentle "S". It straightened itself out after about a week. I'll have to try a different approach.

I launched the first week of July and she lived for two months on a mooring in the Delaware Bay (no small feat!). I've been offered \$2300.00 for her after the season but have declined. She's way too pretty for that little bit of green paper. Oh, and besides her good looks, she sails great(almost forgot to mention that.) Thanks again.

Also enclosed is a picture of WEEKEND DINGHY. I sold her at cost to a girl on the beach who loves her very much.

I am still planning to build the 18 footer, but will probably wait a year. If you remember, I am torn between your "Catbird 18" and another "18 footer."

I would be interested in talking with someone who has built the Catbird 18. I'd like cockpit dimensions too. If you can drop me a line sometime, I would appreciate it. Maybe I could beg for a few pictures of a Catbird from someone.

Again, thanks a million for designing the skiff. She was a pleasure to build, and is a pleasure to own.

Sincerely—Chuck Diem

NJ



Bay Skiff



Weekend Dinghy

We offer Study Plans, Stock Plans, and Full Size Frame Plans of the designs shown in this catalog. Study plans are intended as summary information for review prior to purchase of stock plans and full size frame plans help minimize lofting by the builder. The description of what each plan includes is presented below.

Study Plans

Study plans present the arrangement drawing and sail plan for sailboats. Specifications are given along with a discussion on the features of the boat. Hull materials are also presented. This information is enough to help you make an informed decision on the Windward Design you are planning to build. Please call or write if you have specific questions or are considering variations to the design. We are always open to suggestions for modifications and will advise you as to the feasibility of incorporating them into the design and helping you get underway.

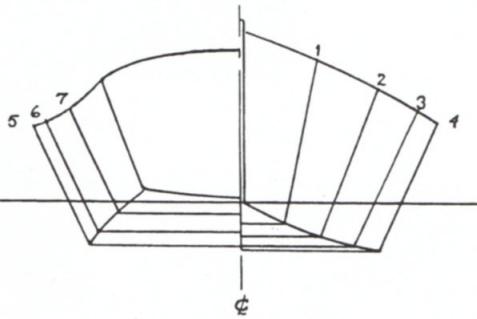
Stock Plans

Stock plans are offered to boatbuilders who feel that an existing design will meet their needs. Contents of the stock plans for the boats in this catalog vary depending on the design. Each set of plans includes specifications for materials, lines drawing, construction, arrangement and sail plan. Additional sheets are provided for boats that are intended for first time builders and include construction set-up illustration, dimensioned panels for sides and bottom and additional details as required. Boat plans are unique because they define the boat in illustrative format starting from a lines plan (hull dimensions); and the remaining structure is defined from the boat, if not

specifically dimensioned in the plans. This is the technique that has evolved for boat construction. When you purchase a set of our plans you become our client. As a client you are entitled to receive answers to any questions that you may have on the plans that you ordered. We want your project to succeed!

We have a toll free help line:

1-800-376-3152



**Example:
Frame Plan
Provided Full Size**

Full Size Frame Plan

The majority of boats are designed with frames corresponding to dimensioned stations in the lines plan and the table of offsets. This minimizes required lofting. We also offer full size body plans to guide frame construction. The construction technique and information included in each set of stock plans is indicated in the catalog.

How to Order

1. Please identify the plans by NAME. Indicate the Quantity, Unit price, and Total amount enclosed.
2. List price includes first-class postage pre-paid. Express delivery, add \$20 for next day delivery.
3. Enclose check or Postal Money Order for full amount indicated in the price list, in U.S. funds please.
4. Don't forget your mailing address.
5. This catalog and the designs listed herein are proprietary products of Windward Designs and may not be reproduced in total or in part without written authorization from Windward Designs.
6. Terms of sale are indicated below.
7. Thank you for your interest in Woodward Designs.

Terms

All plans are sold for the construction of one boat only. Extra charges apply to the construction of additional boats. Any alterations without written authorization from the designer relieves the designer from further responsibility. Purchaser agrees that the designer's liability is limited to the price of plans. Plans and all copyrights remain the property of the designer. Terms are applicable upon execution of plan sale.

Order Form and Price List

A complete order form together with current price list is enclosed inside this catalog. You may either use it, or a copy of it, to place your order. If it is missing, please call us for another one.

