Transom
Mushroom Vent
Bulkhead 10
Deck Beam 11
Float details see sheets 5 & 6
Deck Beam 7
Bulkhead 9
Deck Beam 6
1" thick gussets
Cap shroud chainplate
Bulkhead 8
Bulkhead 7
Deck Beam 5
Deck Beam 4
Deck Beam 3
Deck Beam 2
Deck Beam 1
Bulkhead 6
Bulkhead 5
Bulkhead 4
Bulkhead 3
Bulkhead 2
Bulkhead 1
Mushroom Vent.
Aft Wing Frame 4
Aft Wing Frame 3
Aft Wing Frame 2
Aft Wing Frame 1
Pad with eyes for spin block & net support wire.
1½" I.D. PVC pipe run from float bilge via crossarm to cockpit bilge pump
Side track or saddles for aft edge of net mount on stringer
3/16" ϕ 7x19 wire S.S. to form edge of net.
Optional flush hatch bolted down onto sealing compound or neoprene gasket.
Pad with eyes for main sail foot block & net support wire
Netting Deck.
Aft Bilge
Main Bilge
Wing Frame 6
Wing Frame 5
Wing Frame 4
Wing Frame 3
Wing Frame 2
Wing Frame 1
Mast Step
1" ply gusset
Runner tang
Lower shroud chainplate
Intermediate shroud chainplate
Location of life line tripod.
6" x 1 3/16 x 5/8
Cabin Side
#28 x 30 Gas Bottle Locker.
⅜ ply partition
#22
Seat Back
Rope Locker.
Seat frame
Seat Front
Barlow #16 Mainsheet
Barlow #18 Staysail halyard
Aft Cabin Side
Hatch Slide
2'6"
2'7"
⅜ perspex skylight
Hand rail.
Barlow #22 Genoa or #18 halyard.
Cockpit drains.
Fairlead to take runner when not in use.
1 3/16 x ⅜ Al slide track.
Lead block & slide.
Barlow #22 Secondary Winch.
Barlow #28 Primary Winch with #20
Lead block & slide
1¼ x ⅜ Al slide track.
Monohedral style track with stop - position as required.
5⅞"
2⅜"
2'0" x 2'0" aft hatch lid after decking aft cabin top.
Lift up filler
Note 1½" thick knee under winch pads.
Companion Hatch
Locker.
Locker.
Stowage.
Shelf
Rope Locker.
Locker access from galley.
⅜ ply berth floor.
3½ PVC Tube surround for centre board control wires
Hanging Locker.
Dinette Table
Broken outline shows cut out if store with over used.
Dinette seats
⅜ ply bench
⅜ ply
Stove
Step
Dinette Floor
Aft Berth ⅜ ply
Volvo Penta M.D. 2A
Cabin Sole ⅜ ply
Head.
Centre board pivot
Shower sump area
Centre board raised.
Foredeck Hatch.
Pelican hook to remove inner forestay
⅝ hole
Stem fitting
4 off ⅜ ϕ S.S. bolts.
71.5° Angle from gunnel.
Forward Trim Board option. - Oct 74 see sail plan.
D.W.L. 9500 lbs
12" mooring cleat.
5½ x 1⅞ ring plank.
Bulkhead 10
Bulkhead 9
Bulkhead 9A
Bulkhead 8
Bulkhead 8A
Bulkhead 7
Bulkhead 6
Bulkhead 5A
Bulkhead 5
Bulkhead 4
Bulkhead 3
Bulkhead 2
Bulkhead 1
Rib 3
Rib 2
3'10"
3'10½"
6½"
2'5"
1'0½"
3'9"
3'3"
3'3"
9"
4'1½"
3'0"
3'0"
2'6⅝"
4'11⅜"

Note: Where it is necessary to fasten timber to glass after the bulkheads are in place eg - some accommodation risers etc. use epoxy glue.

bulkhead attachment.

Outer skin
Foam Core
Inner Skin
Resin & asbestos corner fillet.
Ply Bulkhead
1 layer 1½ oz matt 2" wider than bulkhead thickness.
1 layer 1½" matt 1" wider than bulkhead thickness.
3 layers 1½ oz matt each side. 1st layer over laps 1½" along both inner skin & bulkhead. Galv. clout nail at 4" spacing are driven through this layer & bulkhead & clenched before the 2nd & 3rd layers are added. Each successive layer finishes 3/4" longer to form taper over last 1½".

Use a combination of asbestos filler fillet & keel rounding to radius glass over keel.
Foam Core
Overlap first layer of glass 2½" past centre line & shorten each successive layer 1" to form taper.
Use the same technique at bow & transom both inside & out.

keel glass detail.
scale ½ full size

skin fittings.
Epoxy sealant.
Inner skin
Foam core
Outer skin.
Hollow out foam core after drilling through hull & fill with fibreglass matt.

Outer skin
5" wide x 1" polyurethane foam strips cut to 45° bevel on edges & sanded to fillet shape.
Two 5" x 1" strips of polyurethane foam
6" wide strip of 18 oz woven roving on top of matt
Glass with two layers 12 oz matt. 1st layer runs 2½" along hull skin. 2nd layer 1½"

typical rib

Deck Beam
Slot rib to take deck beam after 1st layer of matt is in place. Use second layer & roving to glass beam into place.
Glass over foam core
12.5 ϕ PVC tube to form limber holes. - fit after first layer of glass is placed on rib

DECK LAYOUT & CONSTRUCTION.

BULKHEAD LOCATION & INTERIOR LAYOUT.

BUCCANEER 40

DESIGN BY LOCK CROWTHER.

scale 1/12

sheet 3.