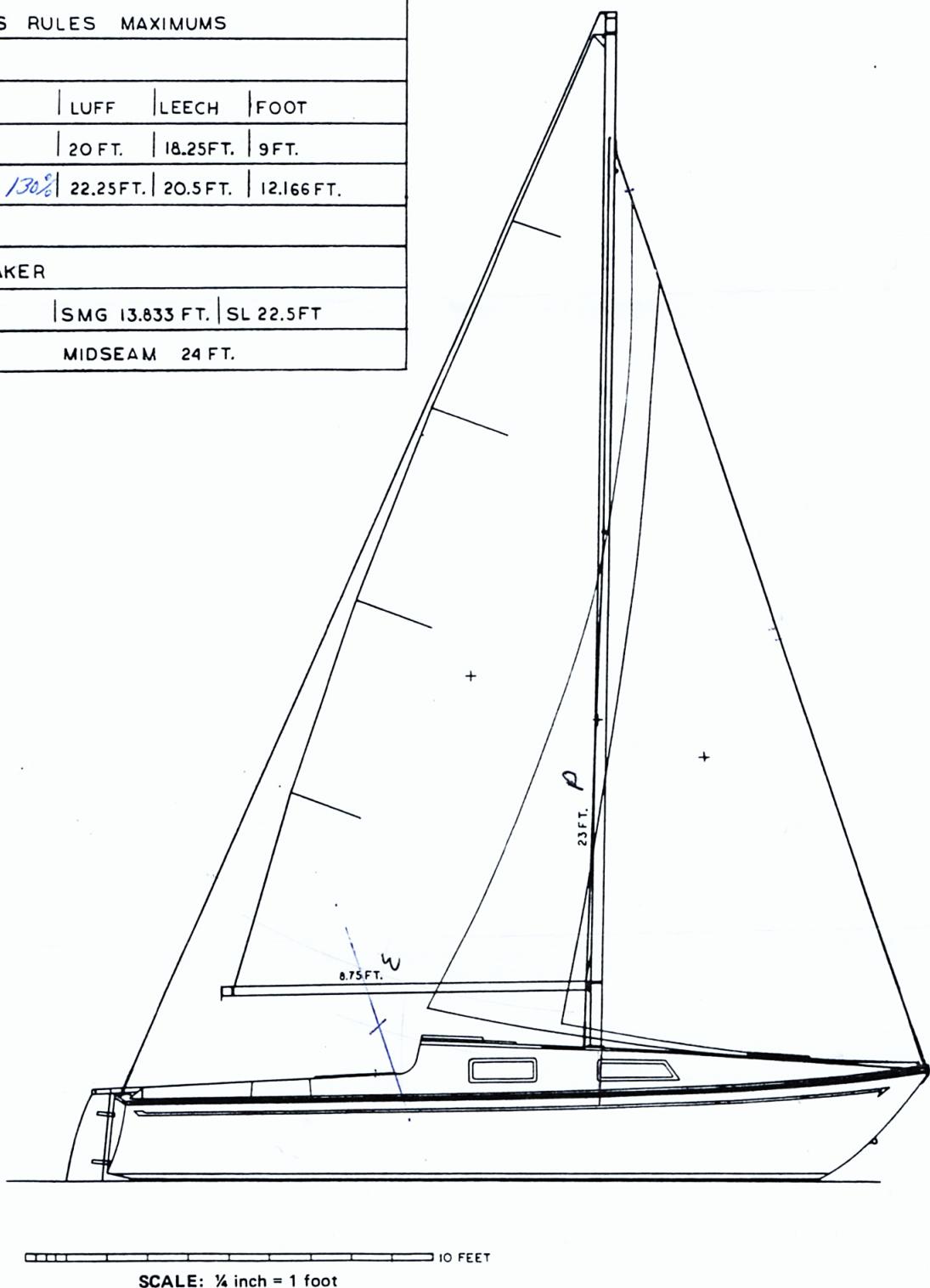
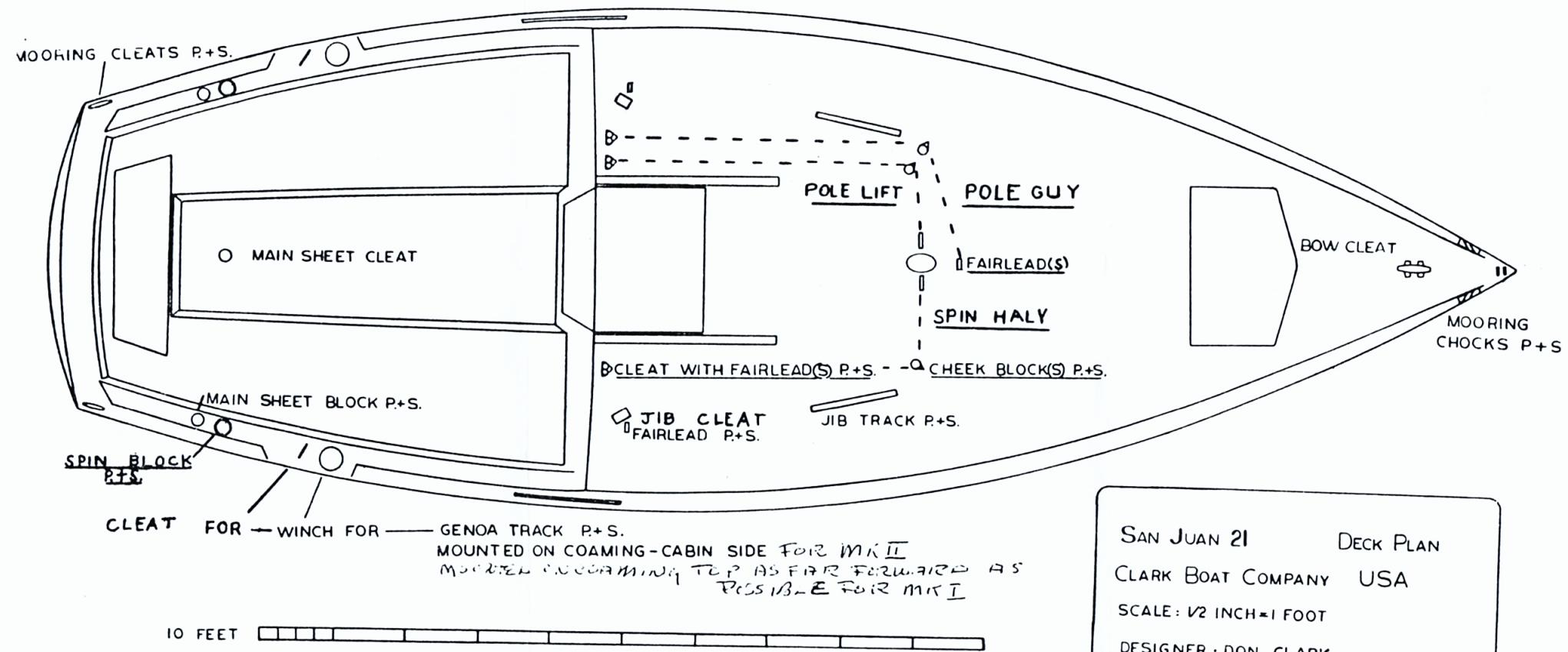


CLASS RULES MAXIMUMS			
	LUFF	LEECH	FOOT
JIB	20 FT.	18.25FT.	9FT.
GENOA <i>130%</i>	22.25FT.	20.5 FT.	12.166 FT.
SPINNAKER			
	SMG 13.833 FT.	SL 22.5FT	
	MIDSEAM 24 FT.		



San Juan 21



SAN JUAN 21 DECK PLAN
CLARK BOAT COMPANY USA
SCALE: 1/2 INCH = 1 FOOT
DESIGNER: DON CLARK
SPINNAKER GEAR UNDERLINED

Article III MAST AND BOOM (Continued)

4. A masthead latch is permitted.
5. Wire halyards are permitted.
6. No stays on the mast are permitted, other than four shrouds, forestay, and backstay.
7. Other than the standard turnbuckle arrangement, devices for adjusting the forestay, changing the tension of the shrouds, or otherwise adjusting position of the mast while underway are not permitted.
8. Length of the mast is not limited; however, a conspicuous band 1/2" minimum width is to be maintained on the mast, so that the lower edge of the band is to be no higher than 25' - 0" above the mast step. The sail, when hoisted, shall not extend its topmost portion above the lower edge of the band. Another similar band must be maintained on the mast 23' - 0" from the lower edge of the band to the upper edge of the lower band. The sail shall not be downhauled past the upper edge of the lower band.
9. If a mast is replaced, the replacement mast must be identical in all essential respects to the mast then being supplied as original equipment on new San Juan 21 sloops.
10. Spreader shall hold shrouds 25" from mast (minimum).
11. The spinnaker halyard sheave shall be attached to the mast at a point not exceeding 22' - 6" from the butt of the mast.
12. Length of the boom is not limited; however, a band similar to the mast bands shall be maintained on the boom, the inner edge of which band is a distance not greater than 8' - 9" from the aft edge of the mast. The sail must not be out-hauled past the inner edge of the band.
13. The boom must be no larger in height or width than will permit its being passed through a circle 4" in diameter, and either the height or width dimension must be at least one-half that of the other.
14. outhaul winches or levers are permitted. *Mainsheet fastened to block at end of boom.*
15. The block at the aft end of the boom shall be no more than 4" forward of the inner edge of the black band. Mid-boom sheeting, in lieu of sheeting from the aft end of the boom is prohibited.
16. The boom shall be attached to the mast boltrope groove by the gooseneck sliding fitting. The downhaul may be controlled by fairleads, blocks and cleats, but not winches, levers or sliding track devices.
17. A boom vang is permitted, so long as it is not of the drum type.

Article IV RIGGING AND EQUIPMENT

1. RUDDER: The rudder shall be made of wood (which may be fiberglass covered) or fiberglass, shall be not less than 1" and not more than 1-1/2" thick, and shape be of the dimensions shown in the official plans, with a 6" length of any shape tolerance. Kick-up rudders are permitted, but must be secured in the down position while racing.

Article IV RIGGING AND EQUIPMENT (Continued)

2. TILLER: The tiller shall be of the general shape shown in the official plans and may be made of any type of wood. It must be connected to the rudder in some manner as to extend above the top edge of the transom.
3. HIKING AIDS: A hiking stick or tiller extension of any design is permitted, but no other hiking aid above deck level is permitted. Hiking straps of any design are not permitted.
4. KEEL: The keel shall be made of fiberglass and weighted with lead immobilized within it. Total weight shall be approximately 420 pounds. Length shall not exceed 6 feet, width 15 inches and thickness 3 inches. The keel must be maintained in such a condition as to be readily raised and lowered from the interior of the boat while the boat is in the water. Keel gasket devices that obstruct keel movement are prohibited.
5. JIB AND GENOA SHEET: The genoa sheet shall be led through blocks attached to the deck molding except that it may be held by hand without first being led through the blocks. Other than holding the jib sheet by hand, no reaching devices are permitted. The blocks may be attached to a sliding track providing fore and aft adjustments. Barber hauling is permitted.
6. JIB HALYARD LATCH: The sliding-track jib halyard latch, Hyfield lever, or other similar device for tensioning the jib halyard, is permitted. Jib cloth tensioning devices other than rope or wire luffs are not permitted.
7. SPINNAKER POLE: The spinnaker pole may be made of any material. Its length shall not exceed 8' - 0", measured from eye to eye (inner edge of fitting). A lanyard is permitted. The spinnaker pole must be used and connected to the mast when the spinnaker is set, and must be used on the side opposite to that on which the boom is carried.
8. WHISKER POLE: The whisker pole may be made of any material, length and type. It is to be used only with the jibs, and must be in contact with the mast while in use. It must be used only on the side opposite to that on which the boom is carried.
9. MAINSHEET: A single mainsheet must be led through pulleys fixed to the cockpit coaming approximately 9 ft. from the aft face of the mast, and through pulleys at the end of the boom, or to one of the coamings at approximate boom end. No traveler devices or double sheeting arrangements are permitted.
10. SAFETY: A suitable anchor, chain, line, paddle, bailing device, and boarding ladder shall be required. Bunk cushions supplied by the manufacturer or cushions equivalent to them must be on board when racing. These requirements may be waived by local fleets only by the procedure outlined in Article VII (By-Laws).

Article V SAILS

1. GENERAL: San Juan 21's may carry mainsail, jib, genoa, and spinnaker, as shown in the sail plan and as herein specified when racing in Class Association races. Only two suits of working sails with genoa and one spinnaker will be approved for use by a contestant in National regattas.

Article V SAILS (Continued)

2. MAINSAIL:

- a. The mainsail shall attach to the mast and boom by boltrope groove.
- b. Luff and foot measurements shall be controlled by the band system.
- c. The leech shall not exceed 24' - 6". Batten length maximum: upper 15", (two) middle 24", and lower 22". *Mid girth not over 5' 8"*
- d. Battens shall divide the leech diagonally into equal section with 2" tolerances to allow sailmakers to avoid seams with batten pockets.
- e. Hollows between battens in leech are not to exceed 3/4" in roach.
- f. Headboards shall be triangular, with the upper side of the triangle not exceeding 4" in length.
- g. The mainsail shall be made of 3.5 oz. or heavier materials.
- h. A Cunningham or sail control grommet is permitted.
- i. A reefing zipper on the mainsail is not permitted to be used while racing. *Roller, slab or jiffy reefing is allowed.*
- j. One window of clear plastic not to exceed 3 sq. ft. in size is permitted.

3. JIB:

- a. The dimensions of the jib, measured with sufficient tension to draw the sail cloth and luff tapes smooth and taut, edge of cloth to edge of cloth projected, shall not exceed the following: luff, 20' - 0"; leech, 18' - 3"; and foot 9' - 0". Measuring the luff up from the tack 11 feet, the width should be less than 5' - 3/4" measured on a line perpendicular to the luff.
- b. The jib shall be made of 3.5 oz. or heavier materials.
- c. Jib foot roach must be a fair continuous curve.
- d. One small window of clear plastic, 2 sq. ft. maximum area, is permitted. Small windows for observing luff yarns are permitted.
- e. Jib roller furling devices are prohibited while racing. Jib luff support systems other than common snaps are also prohibited.
- f. Battens are prohibited.

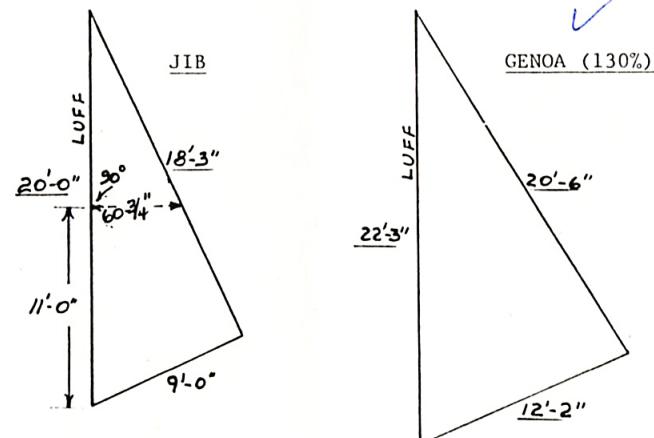
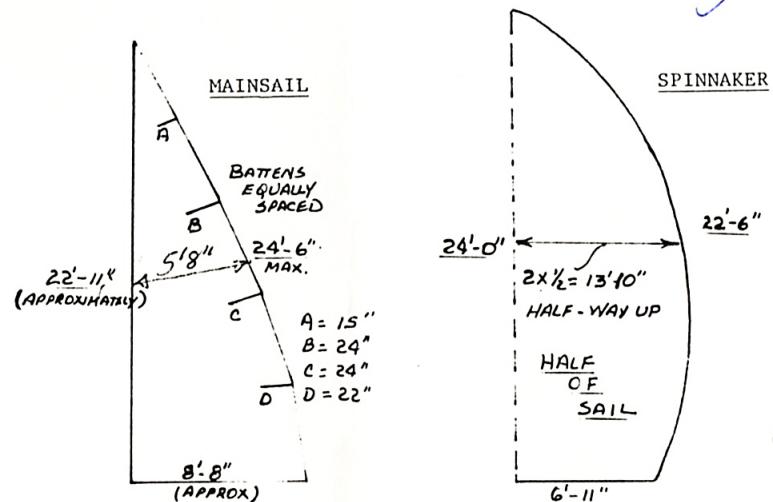
4. SPINNAKER:

- a. The spinnaker shall be made of a .75 oz. or heavier woven nylon material.
- b. Spinnaker sheet fittings may be placed at any position on the deck but not so as to extend outward of the deck.
- c. Maximum dimensions of the spinnaker, measured with sufficient tension to just pull wrinkles out, shall not exceed the following: foot 13' - 10", luff 22' - 6", midgirth 13' - 10". Midgirth is found by dividing luffs in equal parts then measuring the width of the sail at that point. Maximum foot roach is 8" measured with clews together.
- d. Luff lengths must be no more than 2 inches different in length.
- e. Maximum width of headboard 5 inches.

5. GENOA JIB:

- a. The genoa shall be made of 3.5 oz. or heavier material.
- b. The dimensions of the genoa, measured with sufficient tension to draw the sail cloth and luff tapes smooth and taut, edge of cloth to edge of cloth projected, shall not exceed the following: luff 22' - 3", leech 20' - 6", foot 12' - 2".
- c. Windows are permitted.
- d. Battens are prohibited.

SAN JUAN 21 SAIL PLAN
(not to scale)



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148
12

Copy of drawing
by Bill Sebastian
1/1/73