

SHIELDS CLASS SAILING ASSOCIATION

Version May, 2025

SECTION VII

OFFICIAL PLANS

Section Table of Contents

- I - List of Official Drawings
- II - Official Plan 1 - Sail Plan
- III - Official Plan 2 - Fittings and Rigging
- IV - Recommendations for Halyard and Sheet Sizes

1.0 List of Official Drawings

The following drawings now on file with Sparkman & Stephens, Inc of New York, New York, and Cape Cod Shipbuilding Company of Wareham, Massachusetts constitute the basic elements of Sparkman & Stephens, Inc. Design No. 1720, and are hereby made a part of the Specifications of the Association.

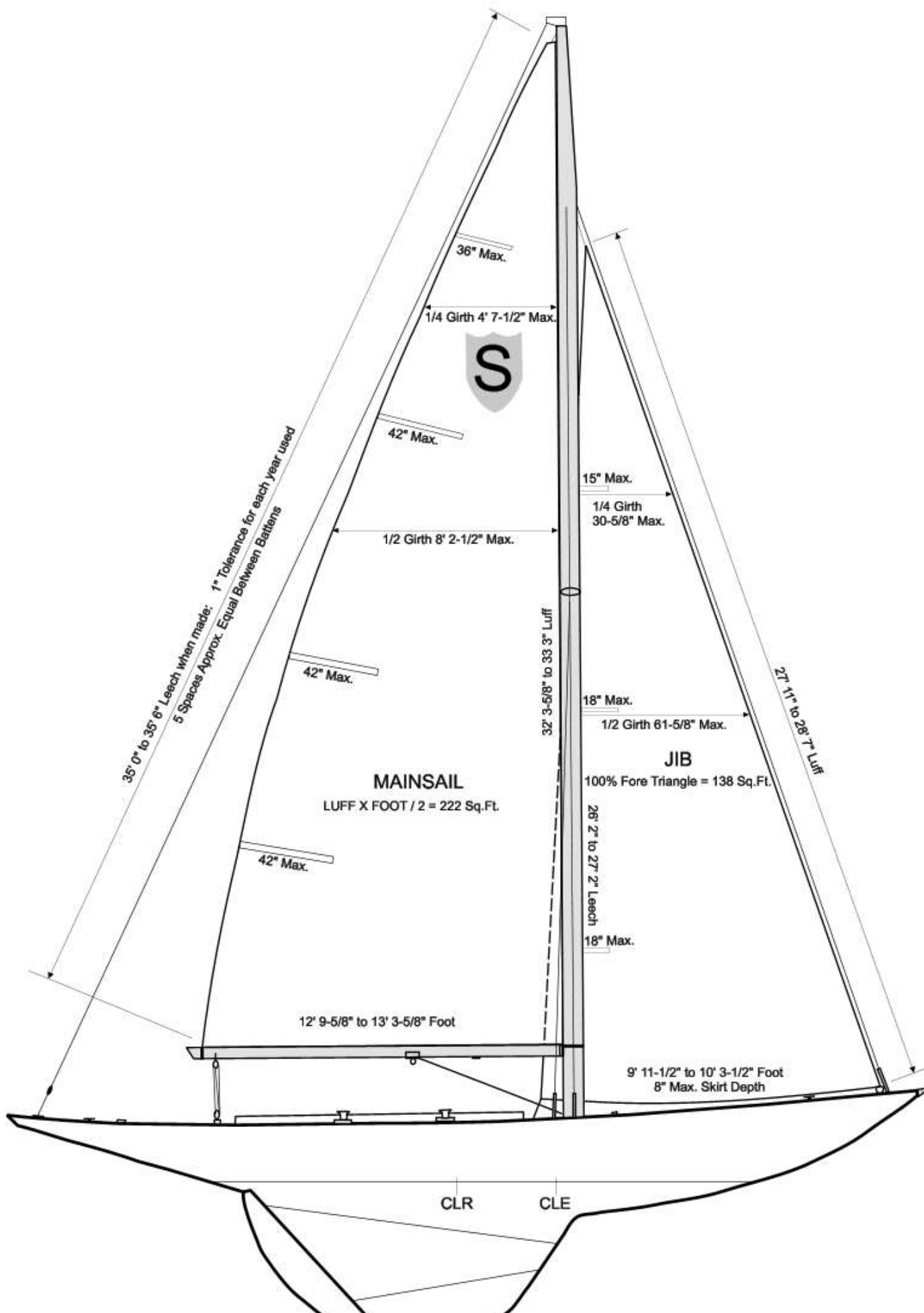
Plan	Drawing No.
Lines Plan	1720-IT ALT.O
Sections	10.00-12134 ALT.A
Tables of Offsets	1720-2 ALT.O
Shop Dwg.	10.00-12124 ALT.B-2
Deck Plan	10.00-12144 ALT.E
Fiberglass Laminates	10.00-23184 ALT.O
Fiberglass Laminates	10.00-03382 ALT.O
Keel Assembly	10.00-09144 ALT.B
Mast Support Detail - Wood	10.00-06263 ALT.D
Mast Support Detail - Fiberglass	10.00-10713 ALT.A
Rudder Detail	18.00-02653 ALT.A
Rudder Heel	04.91-75803 ALT.C
Tiller Assembly	04.24-75773 ALT.O

2.0 **Official Plan 1 - Sail Plan**

SHIELDS CLASS SAILING ASSOCIATION OFFICIAL PLAN-1

SAIL PLAN

THIS PLAN MUST BE USED ONLY IN CONJUNCTION
WITH THE WRITTEN TEXT OF CLASS SPECIFICATIONS
PAGE 1 OF 2

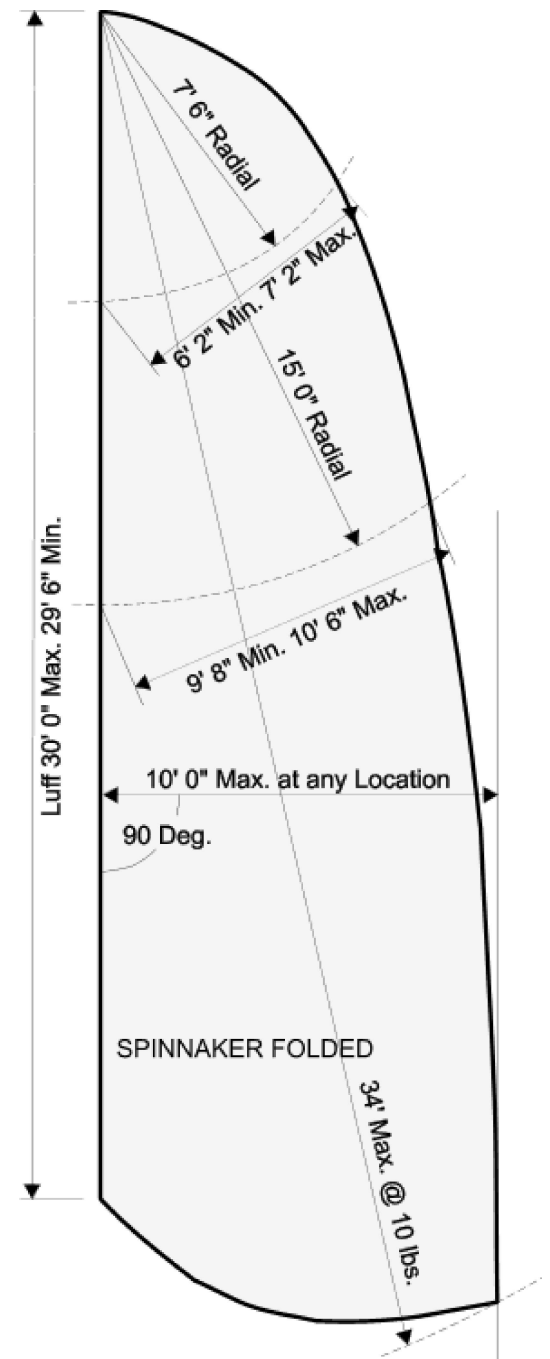


2

SHIELDS CLASS SAILING ASSOCIATION
OFFICIAL PLAN-1

SAIL PLAN

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PAGE 2 OF 2



3.0 Official Plan 2 - Fittings and Rigging

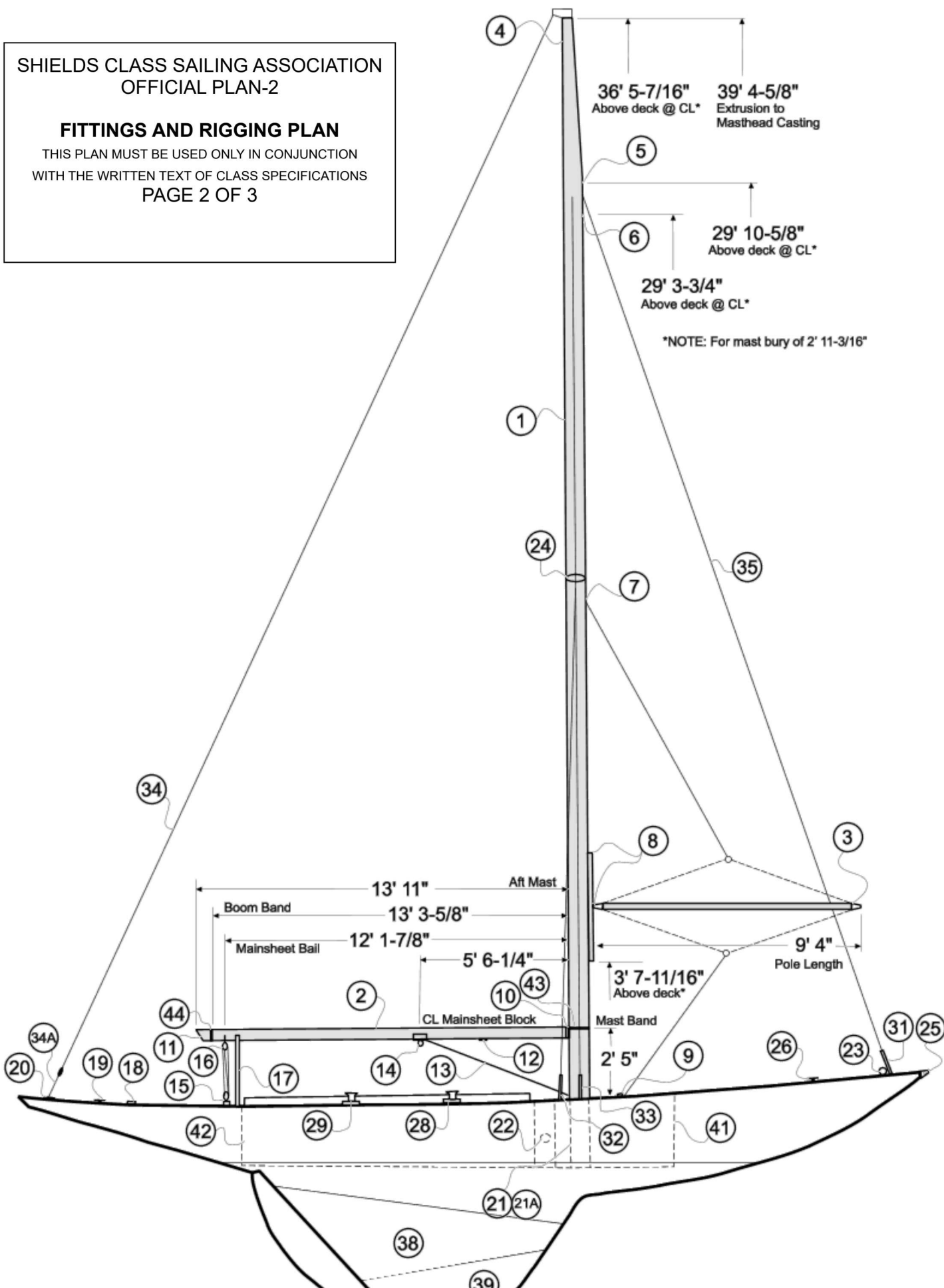
Item	Description	Section	Comment
1	MAST	IV-5.0	36' 5-7/16" ABOVE DECK @ CL FOR 2' 11-3/16" MAST BURY, 39' 4-5/8" LENGTH OF EXTRUSION
2	BOOM	IV-6.0	13' 11" OVERALL AFTER FACE MAST
3	SPINNAKER POLE	IV-8.12	ALUMINUM 2" MINIMUM DIA., 9' 4" OVERALL LENGTH
4	MAIN HALYARD UPPER SHEAVE BOX ASSEMBLY		
5	SPINNAKER HALYARD FAIRLEAD	IV-8.11	29' 10-5/8" ABOVE DECK @ CL FOR 2' 11-3/16" MAST BURY
6	JIB HALYARD UPPER SHEAVE BOX ASSEMBLY		29' 3-3/4" ABOVE DECK @ CL FOR 2' 11-3/16" MAST BURY
7	SPINNAKER POLE LIFT FAIRLEAD OR BLOCK	IV-8.14	
8	SPINNAKER TRACK SLIDE AND POLE CAR	IV-8.17	TRACK: 36" MAX. LENGTH, BOTTOM 3' 7-11/16" ABOVE DECK FOR 2' 11-3/16" MAST BURY
9	SPINNAKER FOREGUY FAIRLEAD	IV-8.14	
10	GOOSENECK FITTING	IV-5.8	
11	BOOM OUTHAUL FITTING AND SHEAVE BOX	IV-7.4	MAX. PURCHASE 8:1
12	OUTHAUL CLEAT		
13	BOOM VANG	IV-7.3	MAX. PURCHASE 8:1
14	MAINSHEET BLOCK(S) ON BOOM WITH INTEGRAL CLEAT(S) OPTION	IV-8.1	MAX. PURCHASE 8:1 MAY INCLUDE COURSE/FINE
15	MAINSHEET TRAVELER AND CAR W/ DOUBLE BLOCK OR FIDDLE BLOCK	IV-8.3	MAX. PURCHASE 8:1
16	MAINSHEET BLOCK(S) ON BAIL (SS)	IV-6.4	BAIL LOCATED 12' 1-7/8" AFTER FACE MAST
17	BOOM CRUTCH		
18	SPINNAKER SHEET TURNING BLOCKS		
19	STERN MOORING CLEAT		
20	BACKSTAY GLAND NUT AND FAIRLEAD ASSEMBLY	IV-7.2	
21	HALYARD LOWER SHEAVE BOXES (MAIN AND JIB)		REQUIRED
21A	HALYARD LOWER SHEAVE BOX (SPINNAKER)		OPTIONAL
22	HALYARD WINCHES LOCATED ON KINGPOST P/S	IV-4.2	REQUIRED
23	JIB TACK FITTING		
24	SPREADER ASSEMBLY		
25	BOW CHOCK		
26	FORWARD MOORING CLEAT		
27	TRACK AND CAR ARRANGEMENT FOR JIB SHEETS	IV-8.23	
28	JIB SHEET WINCHES	IV-4.3	LOCATED 2' 2" AFT OF FWD EDGE OF COCKPIT COAMING
29	SECONDARY SHEET WINCHES (OPTIONAL)	IV-4.3	LOCATED MIN 20" TO MAX 30" AFT OF THE PRIMARIES, MEASURED CENTER TO CENTER. RATCHET BLOCK MAY REPLACE OR BE ADDED.
30	CUNNINGHAM	IV-10.4	
31	HEADSTAY TURNBUCKLE - 3/8"		

32	LOWER SHROUD TURNBUCKLE - 7/16"		
33	UPPER SHROUD TURNBUCKLE - 3/8"		
34	BACKSTAY 1/8" SS 1X19	IV-7.2	MAX. PURCHASE 8:1
34A	BACKSTAY PENNANT 5/32" SS 7X19	IV-7.2	OR EQUIVALENT STRENGTH NON-WIRE ROPE
35	HEADSTAY - 3/16" SS 1X19		
36	UPPER SHROUD - 3/16" SS 1X19		
37	LOWER SHROUD - 7/32" SS 1X19		
38	DEADWOOD		
39	LEAD BALLAST		
40	MAST COLLAR		
41	FORWARD HATCH COVER	IV-1.8	
42	AFT HATCH COVER	IV-1.8	
43	MAST BAND	IV-5.7	UPPER EDGE 2' 5" ABOVE DECK
44	BOOM BAND	IV-6.3	INNER EDGE 13' 3-5/8" FROM AFT FACE OF MAST
45	FOOT RAIL (2)	IV-2.10	53-1/4" LONG, AFT END 24" FROM CENTERLINE AT FOREGUY FAIRLEAD, FORWARD END 14-1/4" FROM CENTERLINE

SHIELDS CLASS SAILING ASSOCIATION
OFFICIAL PLAN-2

FITTINGS AND RIGGING PLAN

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WITH THE WRITTEN TEXT OF CLASS SPECIFICATIONS
PAGE 2 OF 3

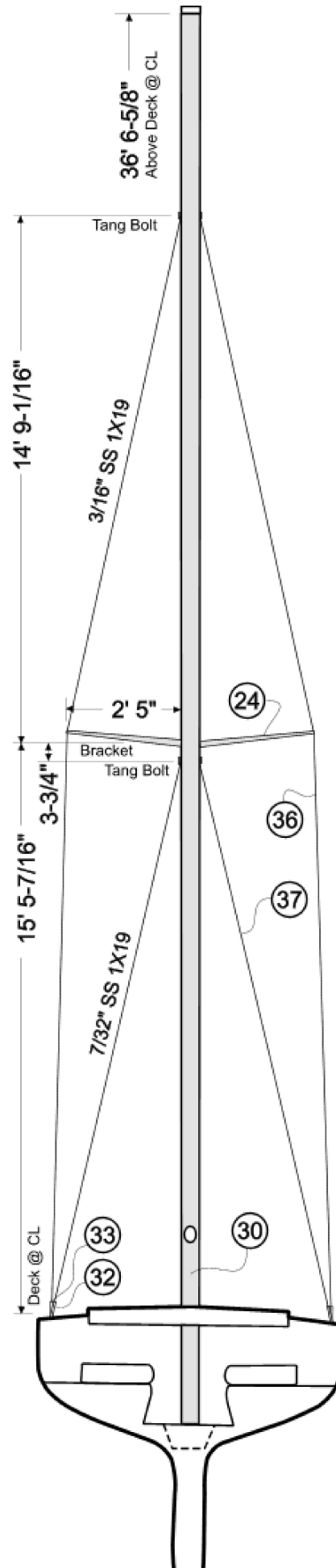
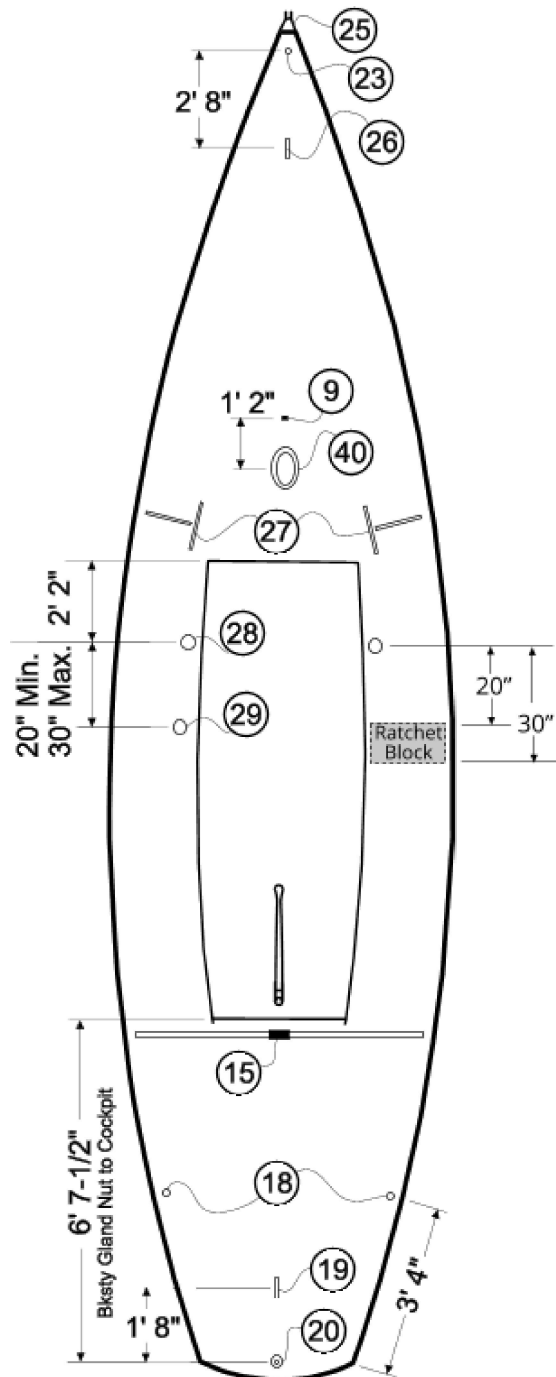




SHIELDS CLASS SAILING ASSOCIATION
OFFICIAL PLAN-2

FITTINGS AND RIGGING PLAN

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PAGE 3 OF 3



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4.0 Recommendations for Halyard and Sheet Sizes

Updated November, 2007 according to Cape Cod Shipbuilding Company

HALYARDS:		Note: All halyards may be entirely of Kevlar or Spectra.
Main Halyard		43' of 5/32" stainless 7x19 wire and 38' of 5/16" dacron line or 85' of 5/16"
Spinnaker Halyard		78' of 5/16" line minimum
Jib Halyard		39' of 5/32" stainless 7x19 wire and 38' of 5/16" dacron line or 79' of 1/2"

SHEETS:	
Main Sheet	70' of 3/8" low stretch line
Jib Sheets	(2) 30' each of 5/16" low stretch line
Spinnaker Sheets	(2) 65' each of 3/8" dacron
(See Notes 1,2,3)	

Notes:

1. Separate light sheets are permitted.
2. Kevlar or Spectra are permitted
3. For heavy air the 3/8" line in Dacron will allow some stretch which helps to stabilize the spinnaker in rough conditions. Light air sheets are better as low stretch.

OTHER LINES:	
Anchor Line	Minimum of 100' of 1/2" nylon required (see Section IV 9.1)
Spinnaker Pole	43' of 5/16" dacron
Lift	
Spinnaker Pole	20' of 5/16" dacron
Foreguy	
Boomvang	30' of 3/8" dacron for 4:1 (8:1 is permitted)
Spinnaker Twings	(2) 15' each of 5/16"
Backstay	(2) 46' each of 5/16" plus 45" of 3/8" for 8:1 system
Adjustment	
Traveler	(2) 41' each of 5/16"
Adjustment	
Cunningham	9' of 5/16" plus 18" of 1/8" vinyl coated wire with hook