

SHIELDS CLASS SAILING ASSOCIATION

SECTION VII

OFFICIAL PLANS

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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, MA constitute the basic elements of Sparkman & Stevens, 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

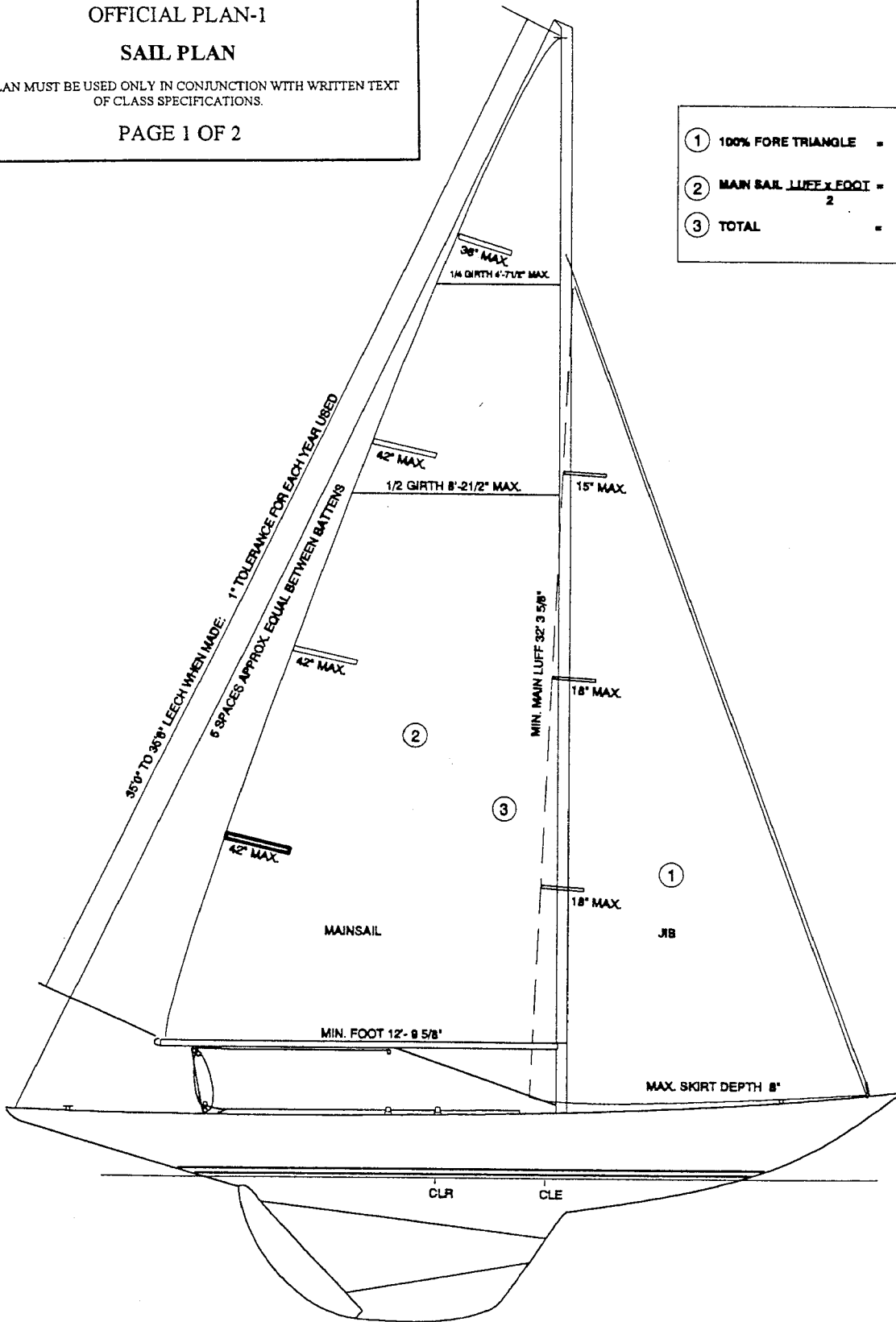
SHIELDS CLASS SAILING ASSOCIATION
OFFICIAL PLAN-1

SAIL PLAN

THIS PLAN MUST BE USED ONLY IN CONJUNCTION WITH WRITTEN TEXT
OF CLASS SPECIFICATIONS.

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①	100% FORE TRIANGLE	= 138 SQ. FT
②	MAIN SAIL $\frac{\text{LUFF} \times \text{FOOT}}{2}$	= 222 SQ. FT
③	TOTAL	= 360 SQ. FT

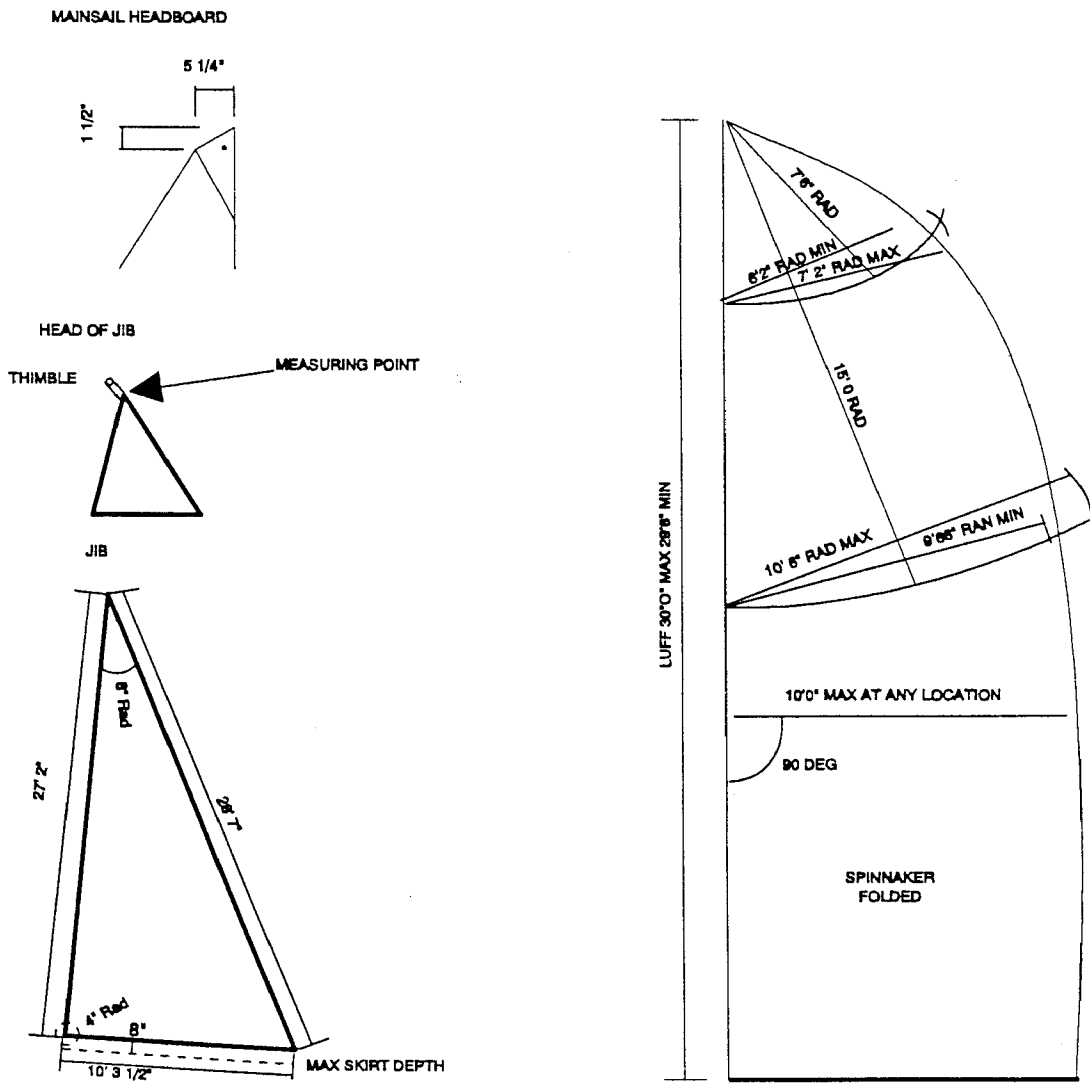


**SHIELDS CLASS SAILING ASSOCIATION
OFFICIAL PLAN-1**

SAIL PLAN

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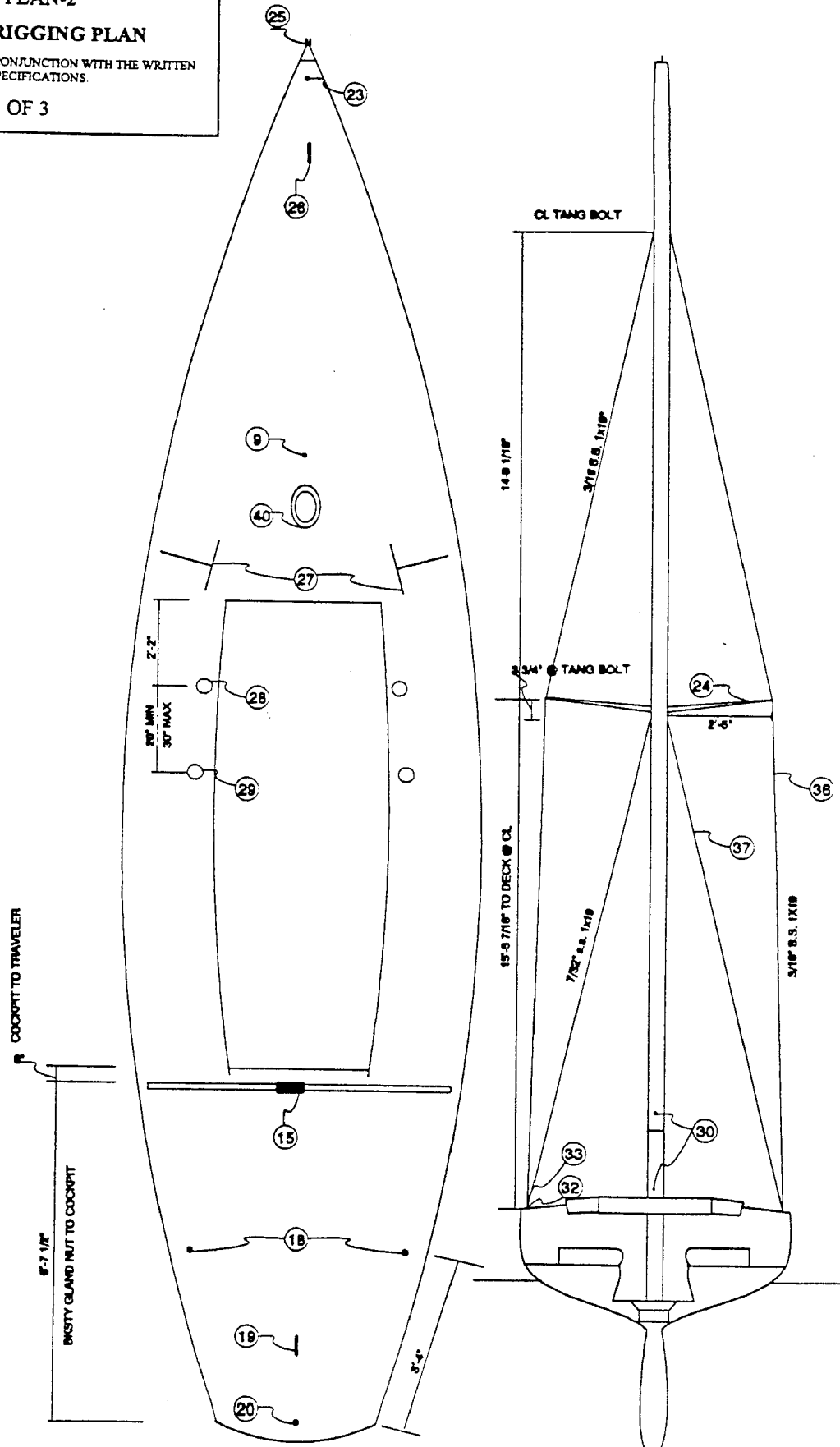


Official Plan 2 - Fittings and Rigging Plan

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Item	Description
1	MAST: (ZEPHYR ONLY): 36' 6 5/8" ABOVE DECK @ CL: 39'6" LENGTH OF EXTRUSION
2	BOOM: (BONNELL NO. 1029): CAPE COD (ZEPHYR OPTIONAL)
3	SPINNAKER POLE: 2" OUTSIDE DIAMETER 1/8" WALL 6061 - T6 ALUMINUM
4	MAIN HALYARD UPPER SHEAVE BOX ASSEMBLY
5	SPINNAKER HALYARD FAIRLEAD - 29'10 5/8" ABOVE DECK @ CL
6	JIB HALYARD UPPER SHEAVE BOX ASSEMBLY - 29' 3 3/4" ABOVE DECK @ CL
7	SPINNAKER POLE LIFT FAIRLEAD OR BLOCK
8	SPINNAKER TRACK SLIDE AND POLE CAR (TRACK: 36" MAX LGTH: BOTTOM 3' 7 11/16" ABOVE DECK)
9	SPINNAKER FOREGUY FAIRLEAD
10	GOOSENECK FITTING (SEE #43 BELOW AND SEC. IV - SPECIFICATIONS 6.8)
11	BOOM OUTHAUL FITTING AND SHEAVE BOX - MAX. PURCHASE 8:1
12	OUTHAUL CLEAT
13	BOOM VANG - MAX PURCHASE 8:1
14	MAINSHEET SHINGLE BLOCK ON BOOM WITH INTEGRAL CLEAT OPTION
15	MAINSHEET TRAVELER AND CAR W/ DOUBLE BLOCK OR FIDDLE BLOCK - MAX PURCHASE 8:1
16	MAINSHEET BLOCK ON BAIL - DOUBLE BLOCK W/ BAIL LOCATED 1' 1 3/4" FORWARD OF BOOM BAND
17	BOOM CRUTCH
18	SPINNAKER SHEET TURNING BLOCKS
19	STERN MOORING CLEAT
20	BACKSTAY GLAND NUT AND FAIRLEAD ASSEMBLY
21	HALYARD LOWER SHEAVE BOXES (MAIN, JIB, AND SPINNAKER)
22	HALYARD WINCHES - 2 REQUIRED LOCATED ON KINGPOST P/S
23	JIB TACK FITTING
24	SPREADER ASSEMBLY
25	BOW CHOCK
26	FORWARD MOORING CLEAT
27	TRACK AND CAR ARRANGEMENT FOR JIB SHEETS (SEE SPECIFICATIONS 5.23 FOR PLACEMENT)
28	JIB SHEET WINCHES LOCATED 2' 2" AFT OF FWD EDGE OF COCKPIT COAMING
29	SECONDARY SHEET WINCHES (OPTIONAL) LOCATED MIN 20" TO MAX 30" AFT OF PRIMARIES, MEASURED CENTER TO CENTER
30	CUNNINGHAM
31	HEADSTAY TURNBUCKLE - 3/8"
32	LOWER SHROUD TURNBUCKLE - 7/16"
33	UPPER SHROUD TURNBUCKLE - 3/8"
34	BACKSTAY - 1/8" SS 1x19 - MAX PURCHASE 8:1
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
42	AFT HATCH COVER
43	MAST BAND - UPPER EDGE 2'5" ABOVE DECK
44	BOOM BAND - INNER EDGE 13' 3 5/8" FROM AFT FACE OF MAST

SHIELDS CLASS SAILING ASSOCIATION
OFFICIAL PLAN-2
FITTINGS AND RIGGING PLAN
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TEXT OF CLASS SPECIFICATIONS.
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RECOMMENDATIONS FOR HALYARD AND SHEET SIZES

HALYARDS:

Note: all halyards may be entirely of kevlar or spectra

Main Halyard	43' of 5/32" ss 7x19 & 38' of 5/16" dacron line or 82" of 1/2" kevlar or spectra
Spinnaker Halyard	75' OF 5/16 LINE MIN.
Jib Halyard	39' of 5/32" ss 7/19 & 38' of 5/16" dacron line or 77" of 1/2" kevlar or sprcra

SHEETS:

Mainsheet	70' of 3/8" no stretch line
Jib Sheets	20' each of 5/16" no stretch line
Spinnaker Sheets	65' each of 3/8" no stretch line min. note: separate light sheets are permitted

OTHER LINES

Anchor Line	minimum of 100' of 1/2" nylon required (more is suggested)
Spinnaker Pole Lift	40' of 1/4" dacron
Spinnaker Pole Foreguy	30' of 1/4" dacron
Boomvang	30' of 3/8" dacron or nylon for 4:1 (8:1 is permitted)