

From The Drawingboard

by
Mark Soverel Yacht Design

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The following drawings are from Soverel Performance Yachts, S-33 Mark Soverel Yacht Design:

CABINTOP LAYOUT.

CENTERLINE BACKSTAY ADJUSTER.

BACKSTAY & RUNNER ARRANGEMENT.

RUNNING BACKSTAY SYSTEM.

MAINSHEET SYSTEM

TRAVELER CONTROL SYSTEM.

VANG SYSTEM.

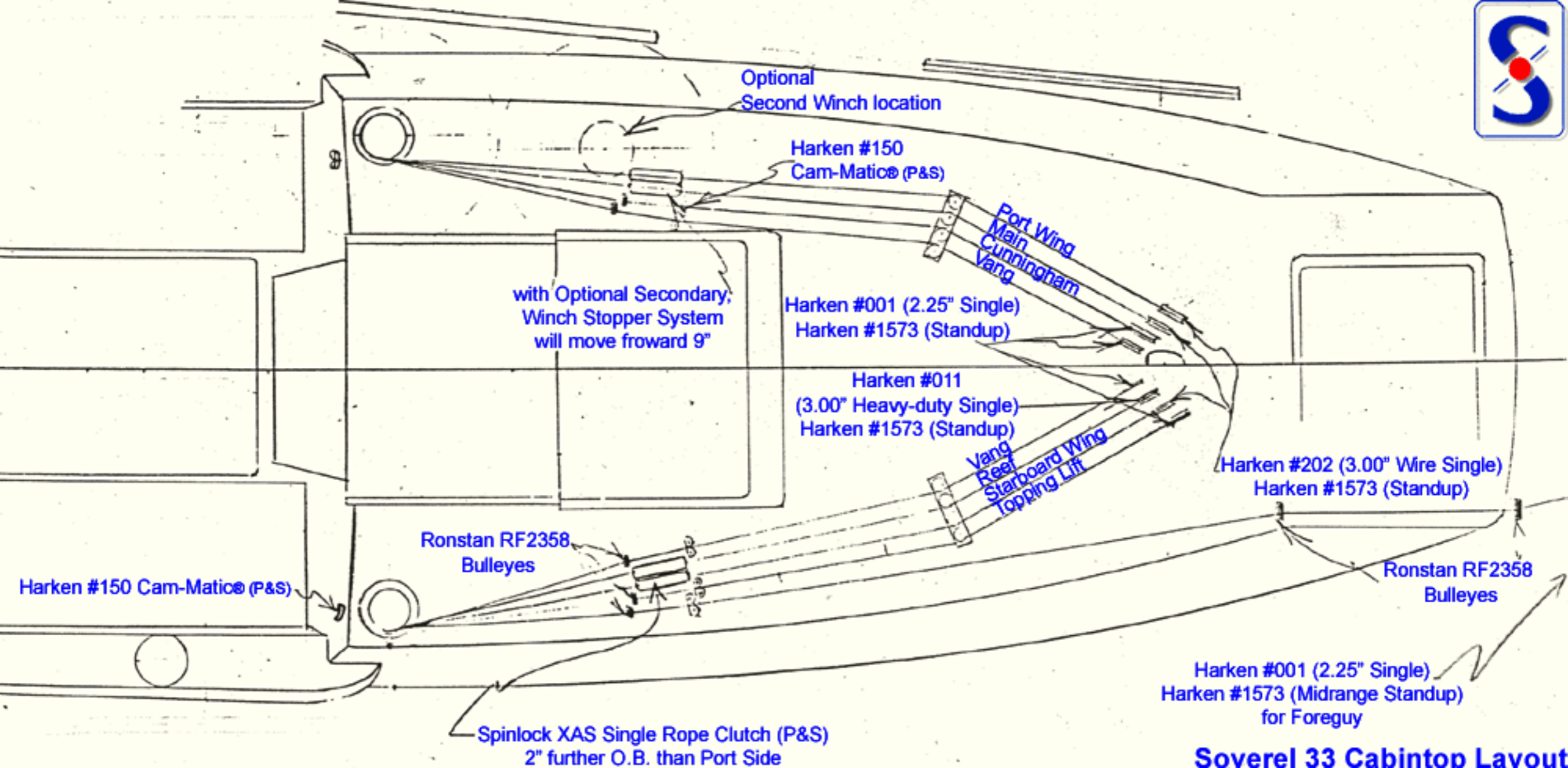
ADJUSTABLE GENOA SYSTEM.

DOUBLE ENDED ADJUSTABLE GENOA LEAD SYSTEM.

S-33 Double Ended Adjustable Genoa Lead System Parts List	
Part Description	Quantity
Harken #241 (Bullseye swivel base/365 Carbo-Matic®)	4
Harken #027 (Dingy Cheak Block)	8
Harken #063 (Dingy Traveler Control)	2
Harken #659 (Swivel Bracket -pair)	2
Harken #515 (3000 Series Big Boat Car)	2
Samson 1/4" Red Trophy Braid	@ 80'
Samson 1/4" Green Trophy Braid	@ 80'

ELECTRICAL DIAGRAM.

RUDDER DETAIL



Optional
Second Winch location

Harken #150
Cam-Matic® (P&S)

with Optional Secondary,
Winch Stopper System
will move forward 9"

Harken #001 (2.25" Single)
Harken #1573 (Standup)

Port Wing
Main
Cunningham
Vang

Harken #011
(3.00" Heavy-duty Single)
Harken #1573 (Standup)

Vang
Reel
Starboard Wing
Topping Lift

Harken #202 (3.00" Wire Single)
Harken #1573 (Standup)

Ronstan RF2358
Bulleeyes

Ronstan RF2358
Bulleeyes

Harken #150 Cam-Matic® (P&S)

Harken #001 (2.25" Single)
Harken #1573 (Midrange Standup)
for Foreguy

Spinlock XAS Single Rope Clutch (P&S)
2" further O.B. than Port Side

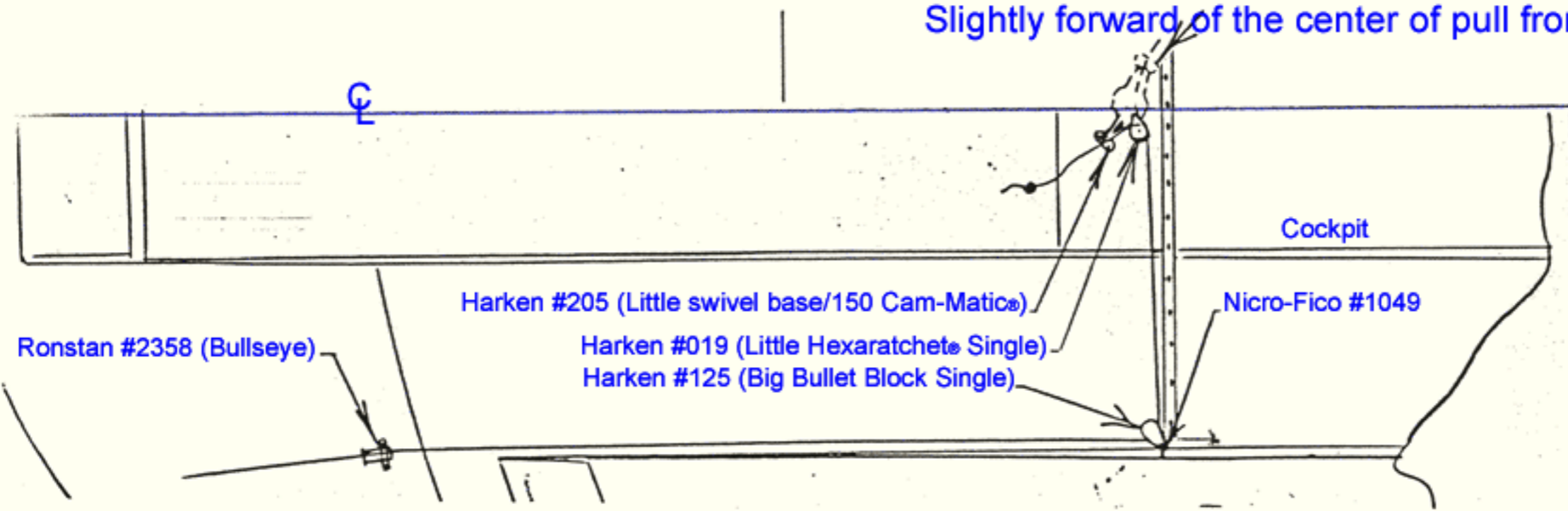
Soverel 33 Cabintop Layout

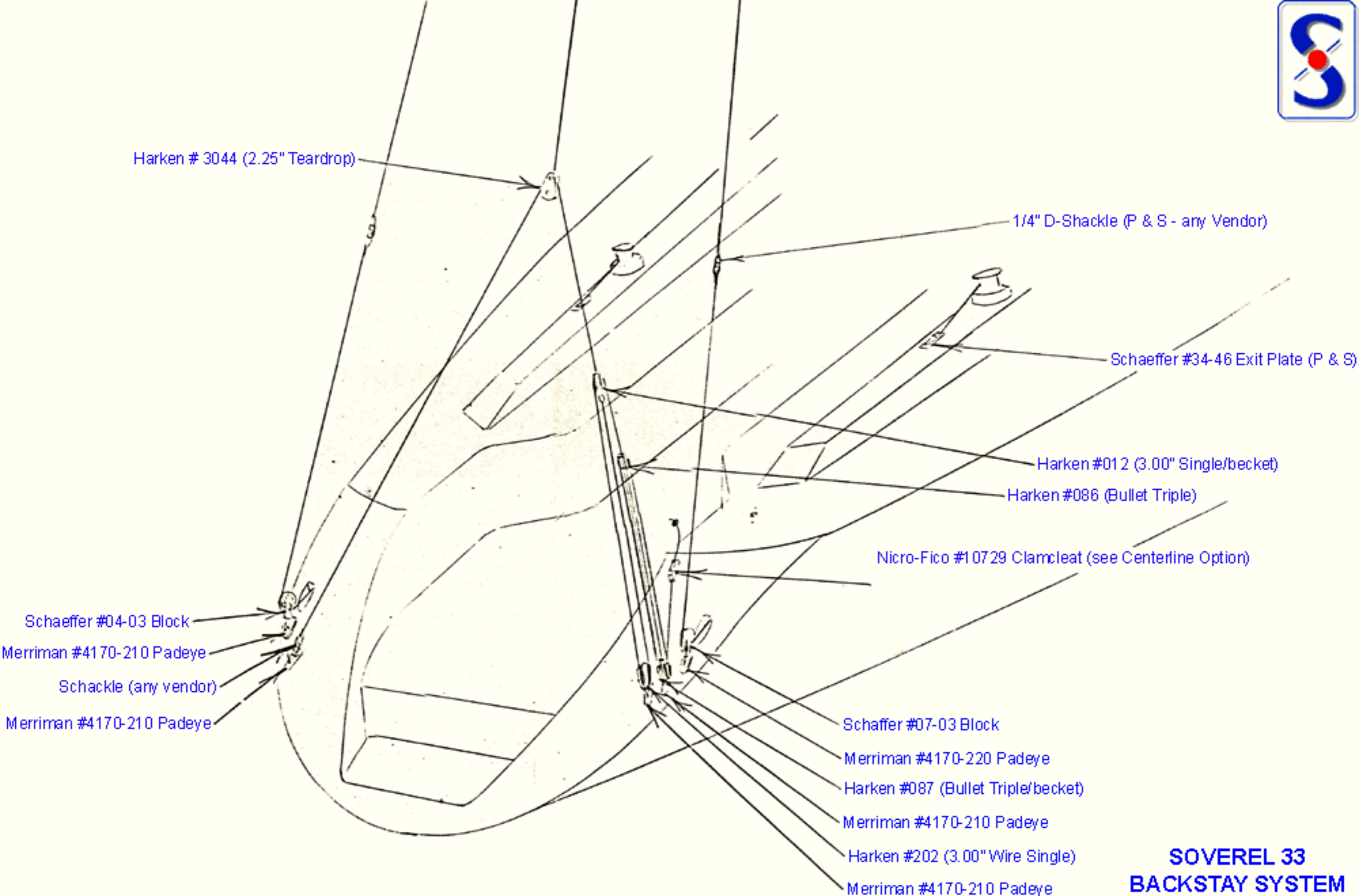
Soverel 33

Centerline Backstay Adjuster Option

NOTE: Add 10' to Backstay controls shown in Backstay Arrangement

When mounting the Harken #205, position it so that when it swivels to port, that it stops with the Cam-Matic® Slightly forward of the center of pull from the Coaming.





Harken # 3044 (2.25" Teardrop)

1/4" D-Shackle (P & S - any Vendor)

Schaeffer #34-46 Exit Plate (P & S)

Harken #012 (3.00" Single/becket)

Harken #086 (Bullet Triple)

Nicro-Fico #10729 Clamcleat (see Centerline Option)

Schaeffer #04-03 Block

Merriman #4170-210 Padeye

Schackle (any vendor)

Merriman #4170-210 Padeye

Schaffer #07-03 Block

Merriman #4170-220 Padeye

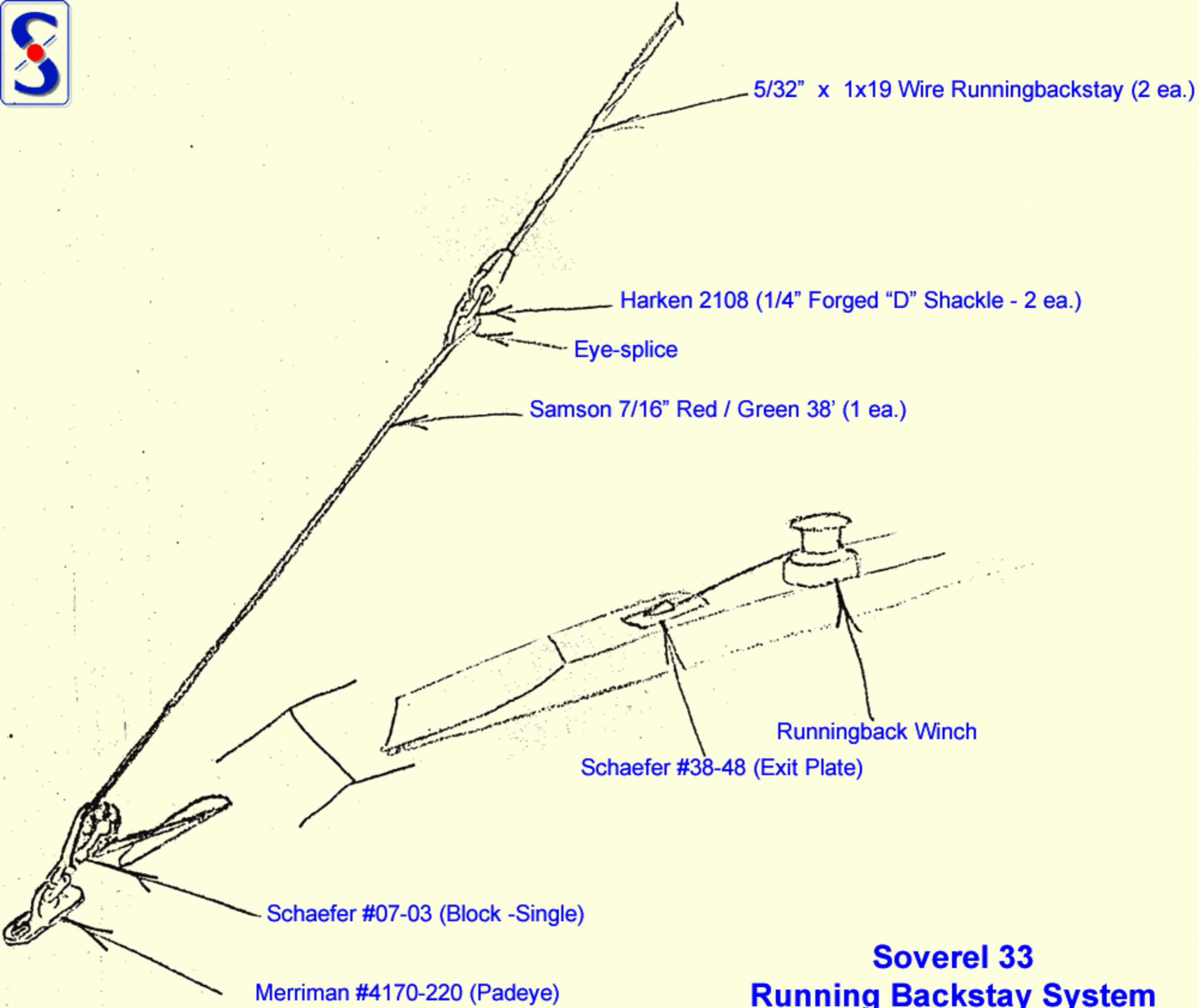
Harken #087 (Bullet Triple/becket)

Merriman #4170-210 Padeye

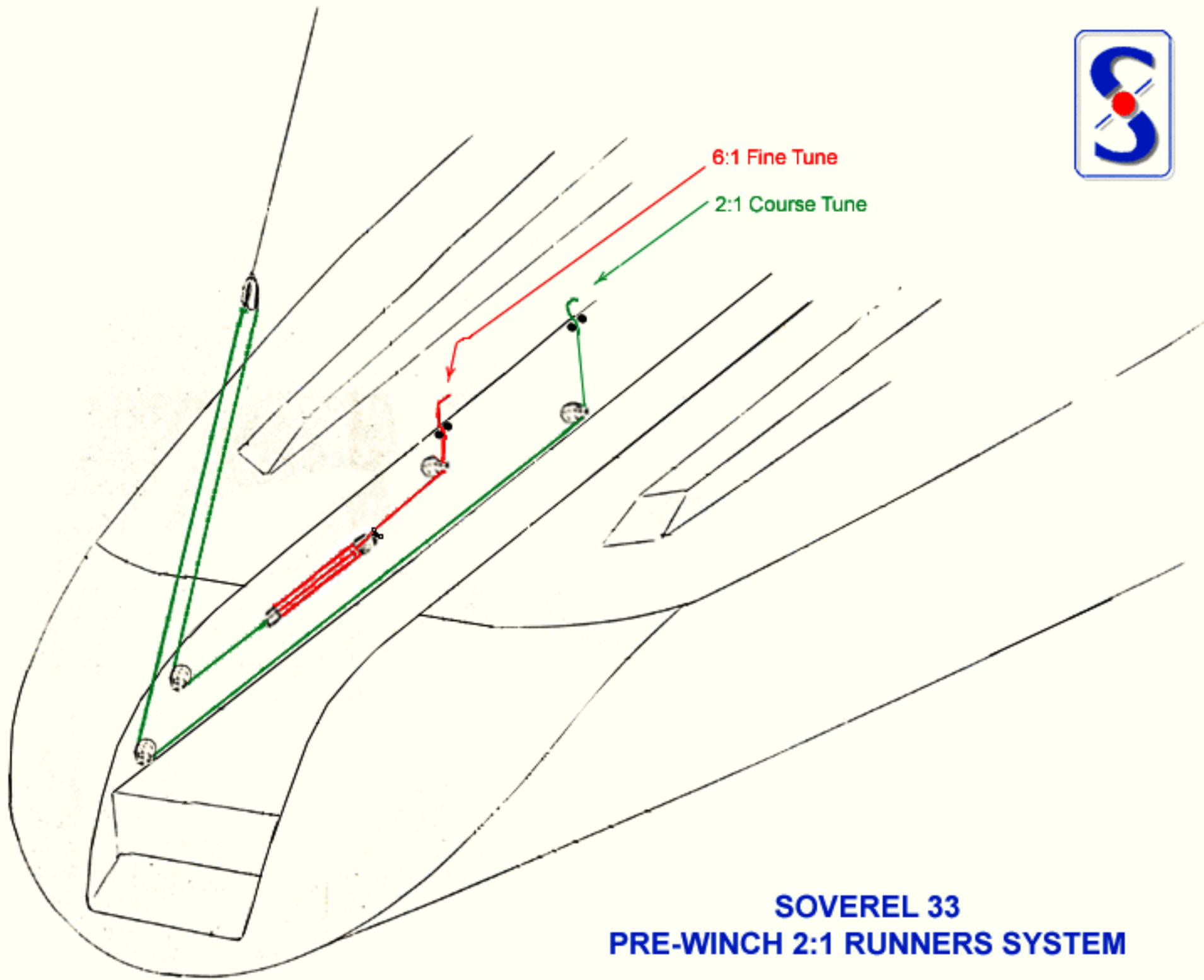
Harken #202 (3.00" Wire Single)

Merriman #4170-210 Padeye

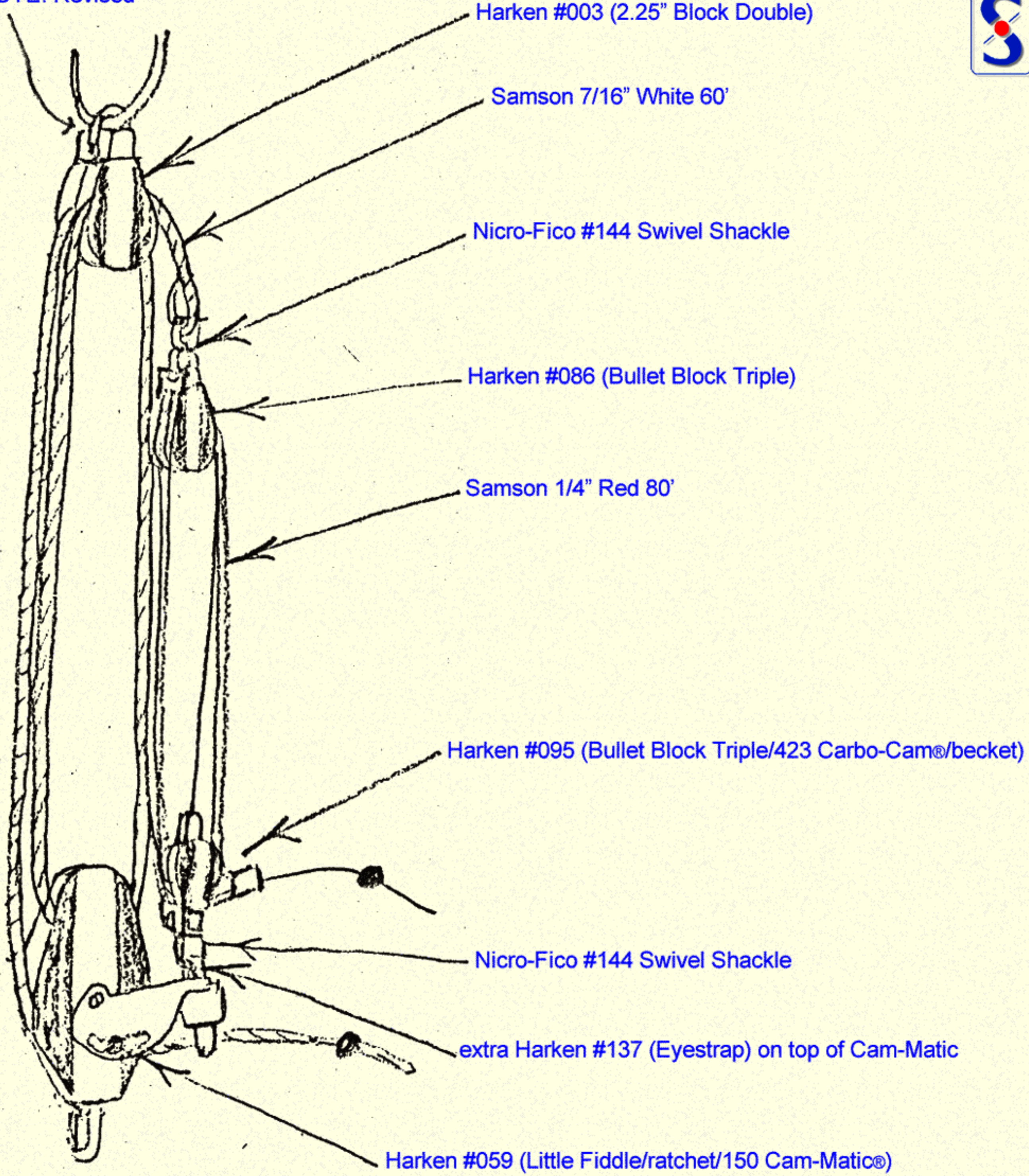
**SOVEREL 33
BACKSTAY SYSTEM**



Soverel 33
Running Backstay System



**SOVEREL 33
PRE-WINCH 2:1 RUNNERS SYSTEM**



Soverel 33 Mainsheet System



Harken #515 (Big Boat Car - 3000 Series)
w/ Harken #1512 (Control tangs)

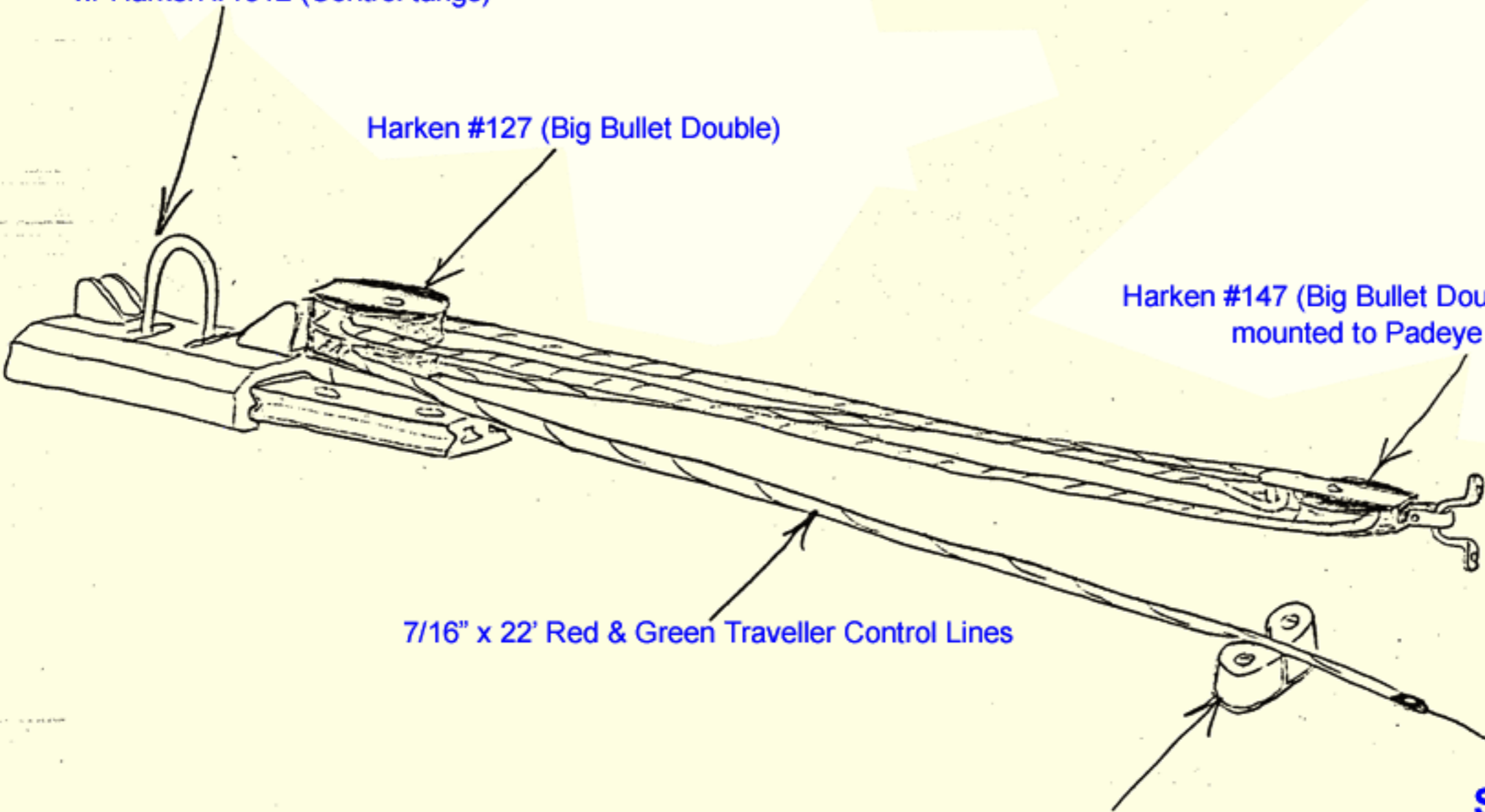
Harken #127 (Big Bullet Double)

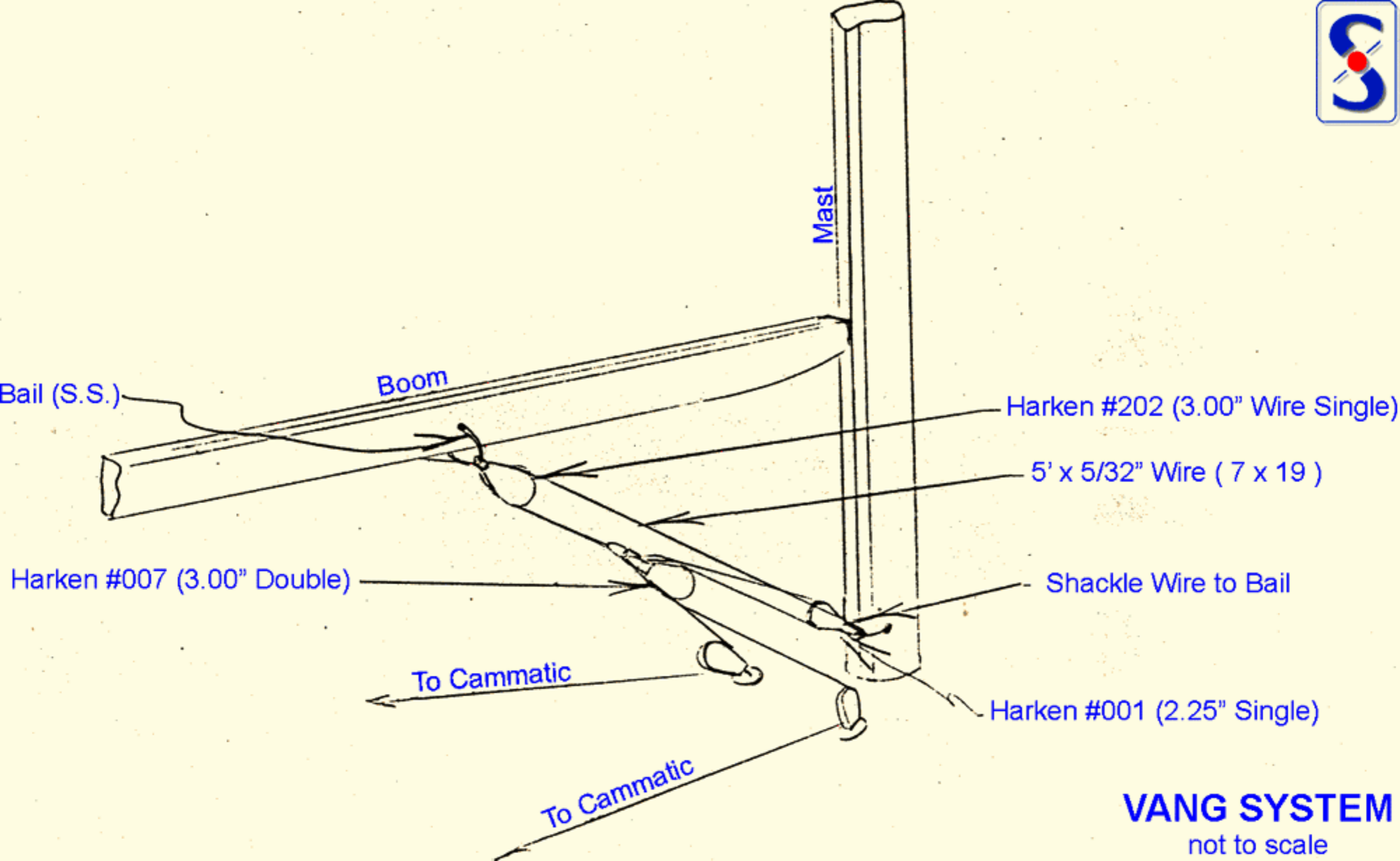
Harken #147 (Big Bullet Double Single/shackle/becket)
mounted to Padeye on Coaming side.

7/16" x 22' Red & Green Traveller Control Lines

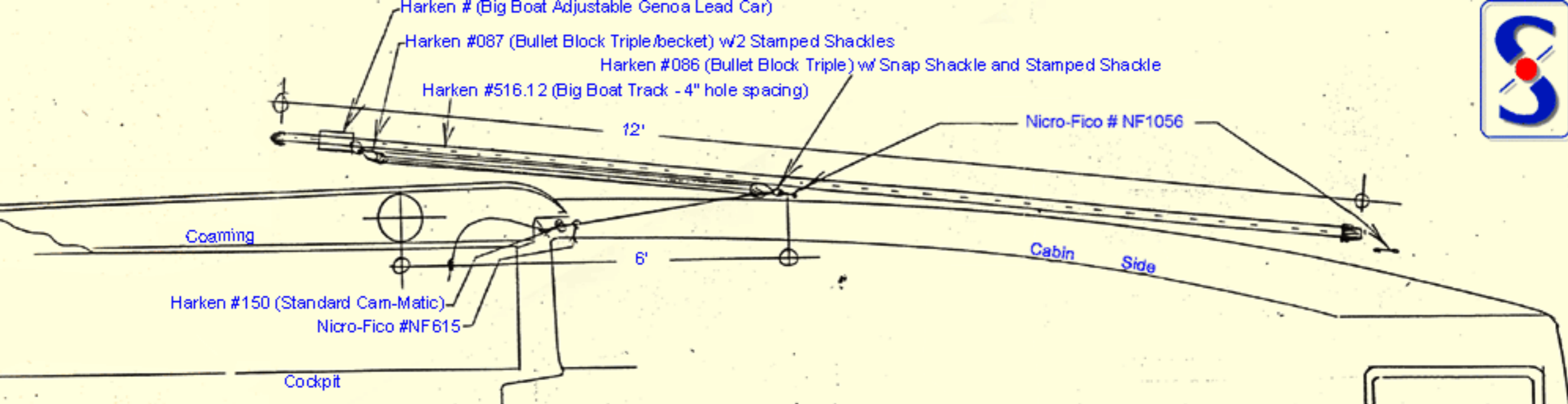
Harken #150 (Cam-Matic®)
P&S mounted on Coaming Top

Soverel 33
Traveler Control System



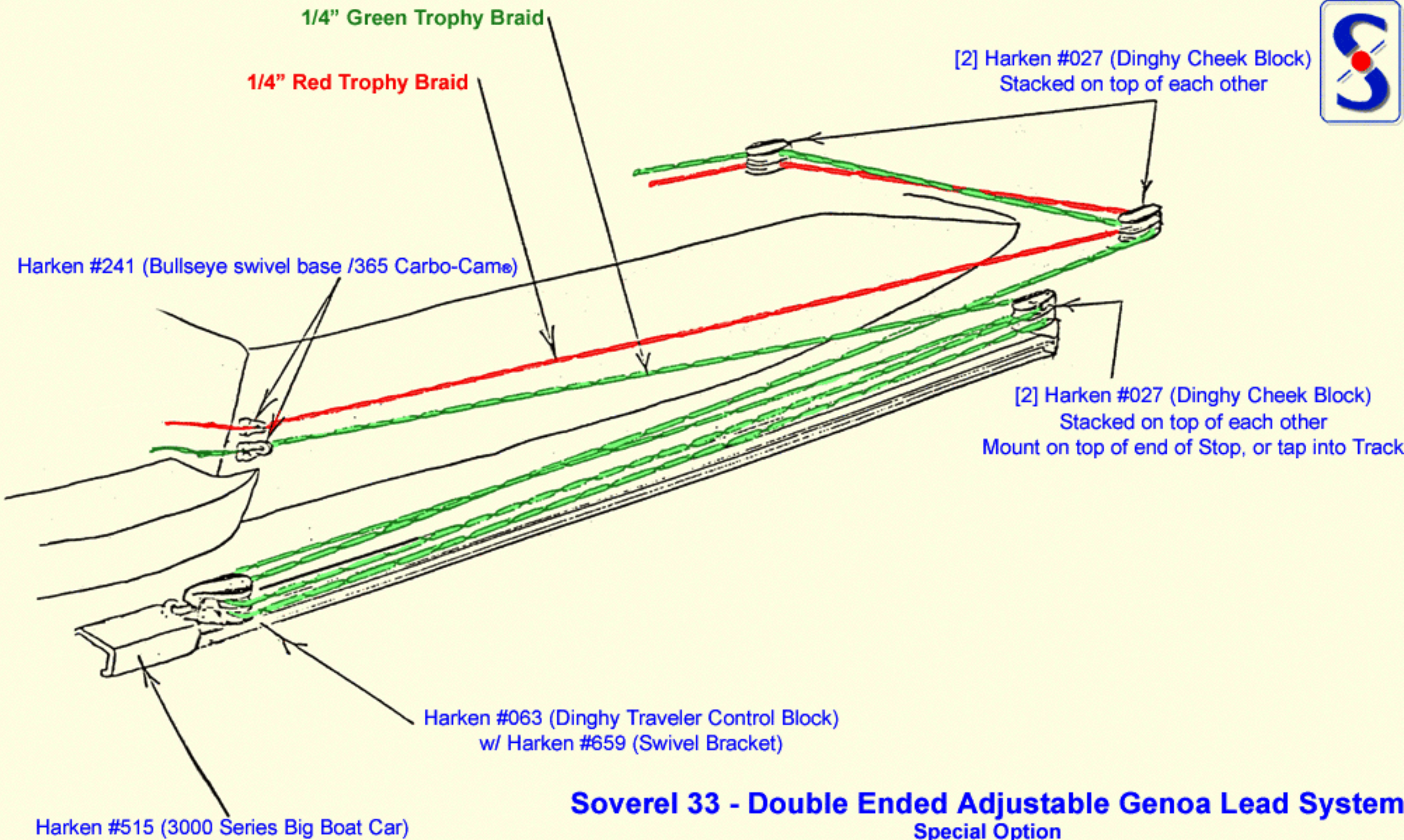


VANG SYSTEM
not to scale

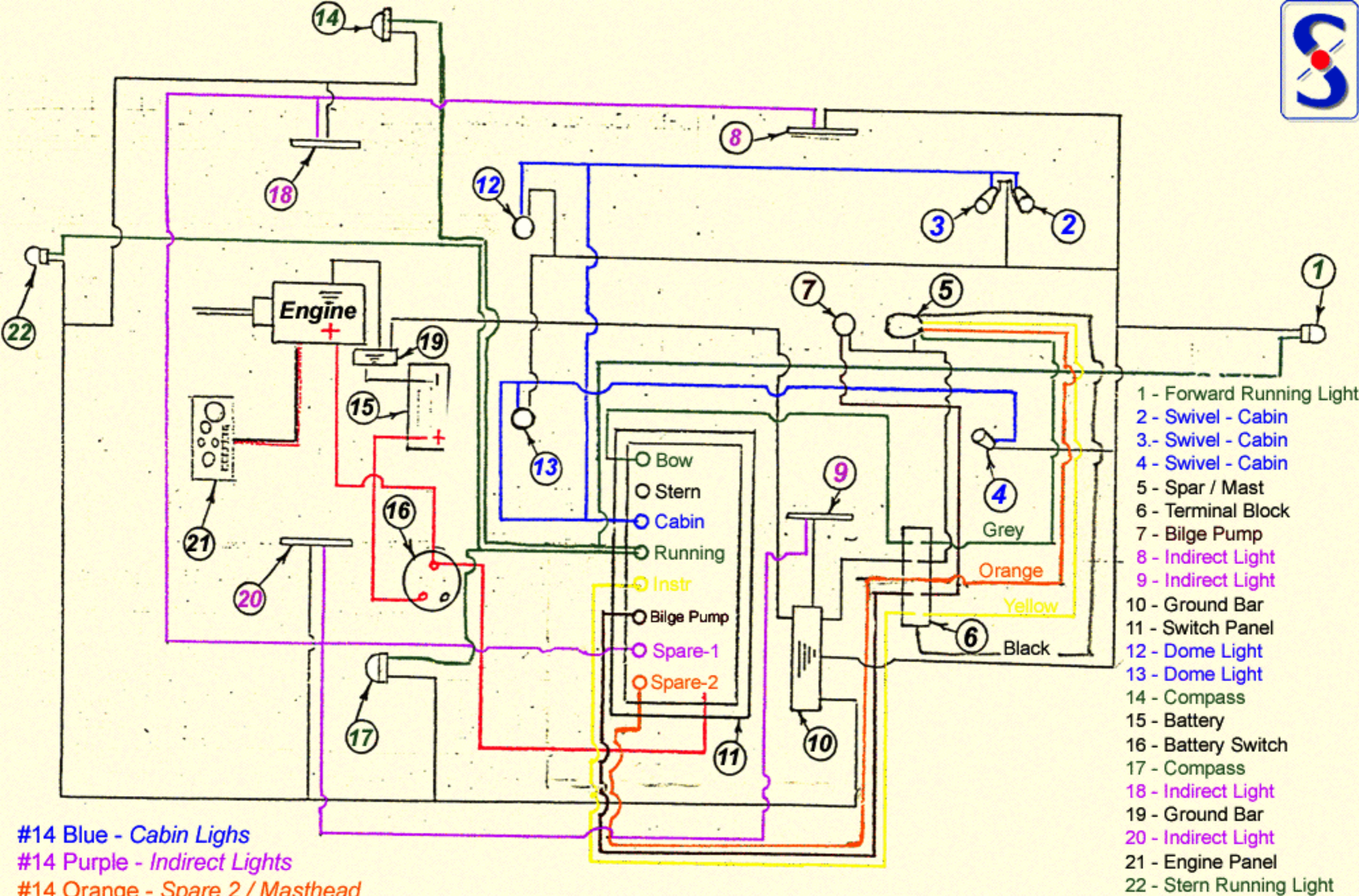


ADJUSTABLE GENOA SYSTEM

option: Harken or Mariner



**Soverel 33 - Double Ended Adjustable Genoa Lead System
Special Option**



- #14 Blue - Cabin Lights
- #14 Purple - Indirect Lights
- #14 Orange - Spare 2 / Masthead
- #14 Yellow - Instrument
- #14 Grey - Running Lights, Bow (Steaming), Compasses
- #12 Brown - Bilge Pump

Soverel 33 Electric Diagram
May 30, 86





$$A = \frac{22.5+14.5}{2} \times \frac{53.5}{144} = 6.9 \text{ ft}^2$$

$$l = 20.25''$$

$$l_u = 22.5''$$

$$l_l = 14.5''$$

$$l_e = 2''$$

$$X_l = 3.0''$$

$$h = 53.5''$$

$$h_b = 57.5''$$

$$h_a$$

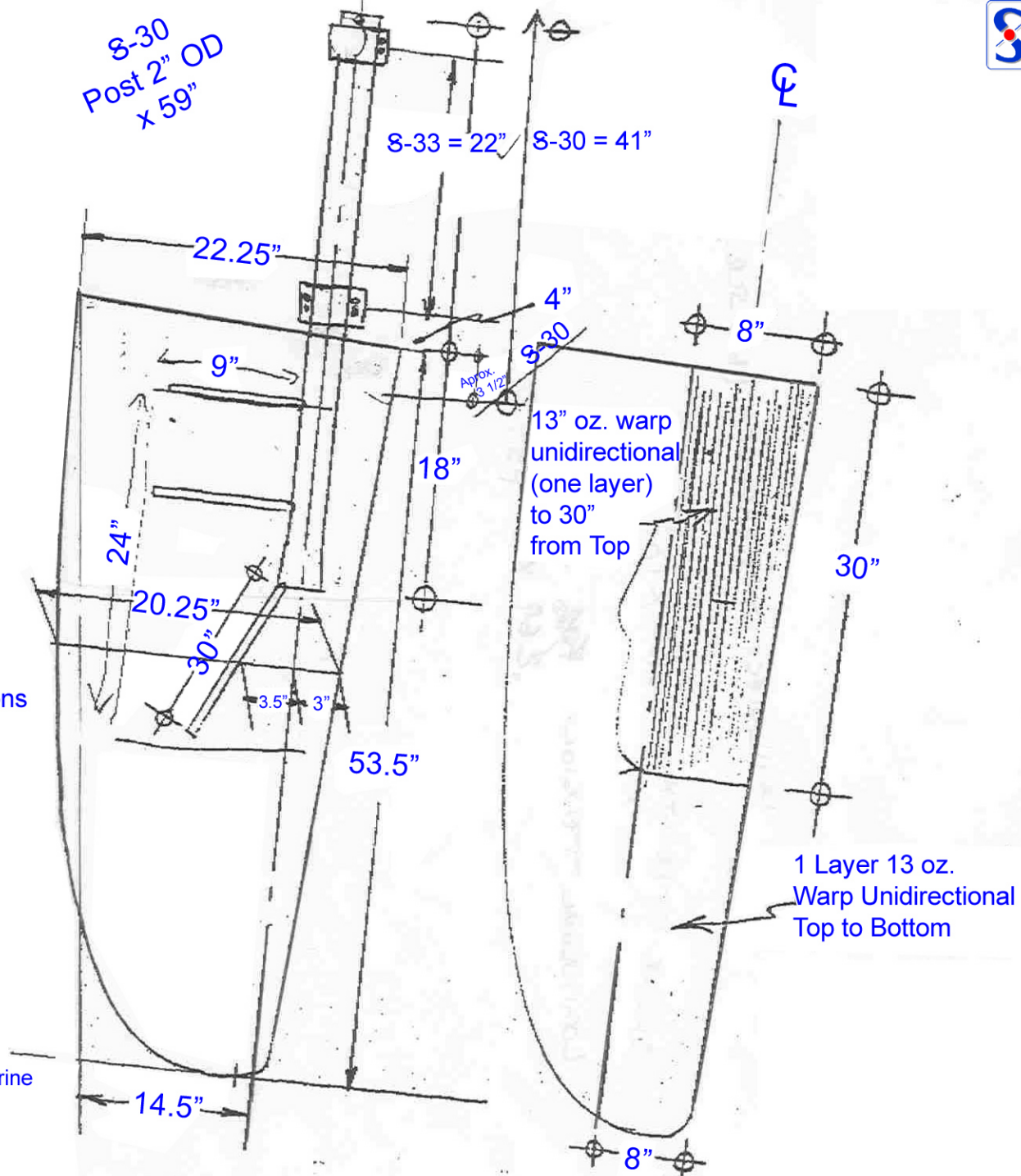
$$W = 3.13$$

$$N = 1.$$

$$\Delta/2000 = 5800/2000 = 2.9 \text{ Tons}$$

$$C = 1.5$$

$$LWL = 30.5 \text{ ft}$$



S-33 Rudder Detail

In Conjunction with Foss Co. & Soverel Marine

SCALE: NONE

DATE: 3/8/85

(305) 622-9191