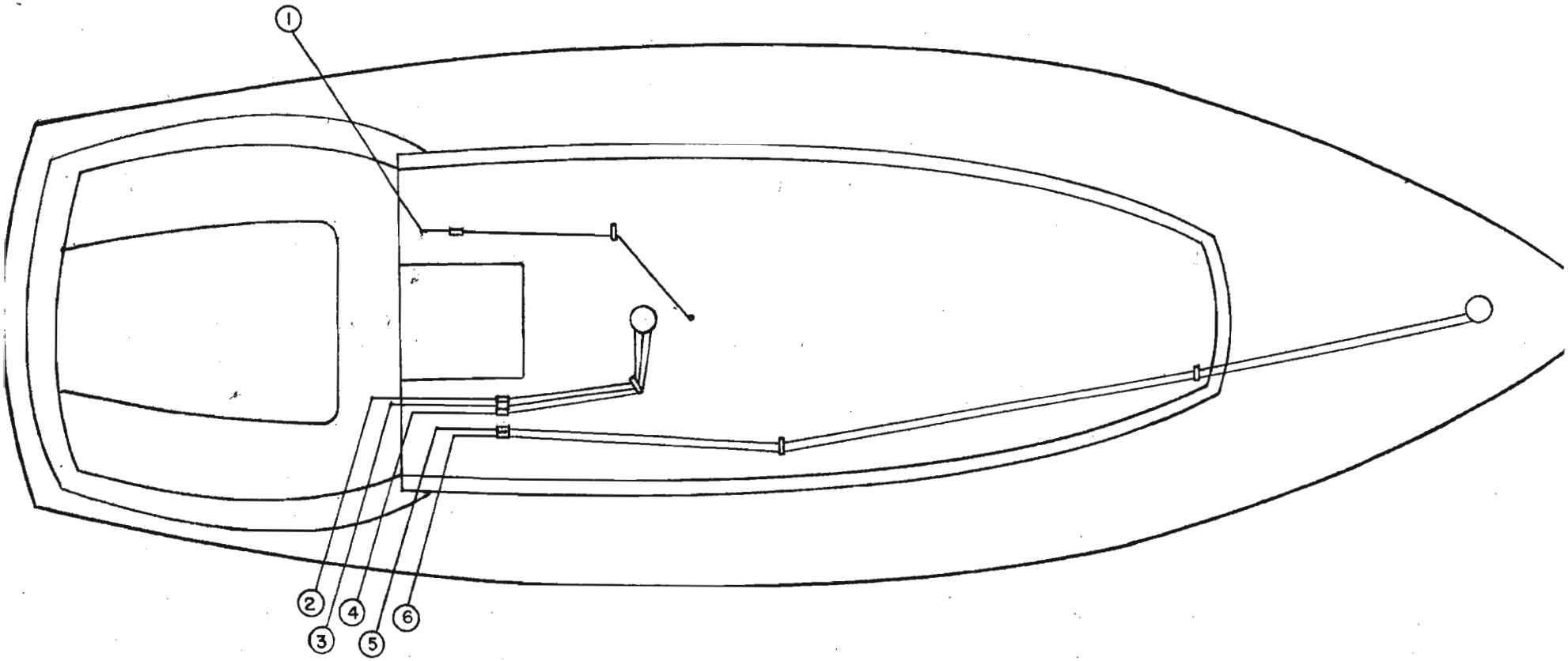
# IMPORTANT NOTICE

ATTENTION ALL FREEDOM SAILORS

IT HAS COME TO OUR ATTENTION THAT NOT EVERYONE IS AWARE THAT ON ALL FREEDOMS YOU MUST TIE A KNOT IN THE MAINSHEET, IN ORDER TO RESTRICT THE TRAVEL OF THE BOOM TO 90°. ALLOWING THE BOOM TO TRAVEL FURTHER THAN 90° IS NOT EFFICIENT, AND WILL SUBJECT THE BOOM GOOSENECK BRACKET TO EXCESSIVE STRAIN, WHICH AFTER SOMETIME WILL CAUSE A FAILURE.

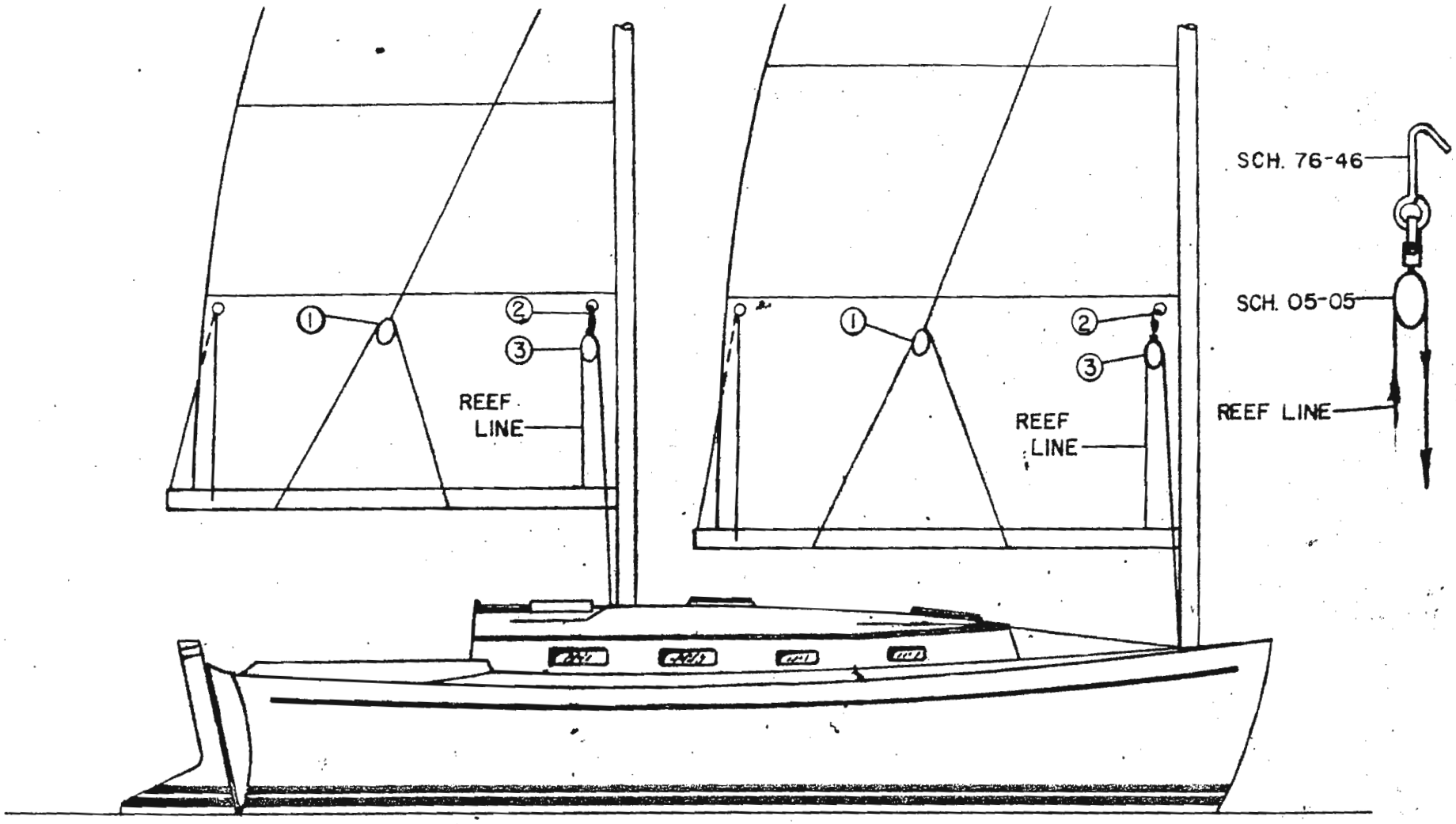
IMPORTANT NOTICE




# FREEDOM 28

## LINE IDENTIFICATION

1. MAIN SHEET
2. REEF LINE
3. HALYARD
4. STAYSAIL
5. REEF LINE
6. HALYARD



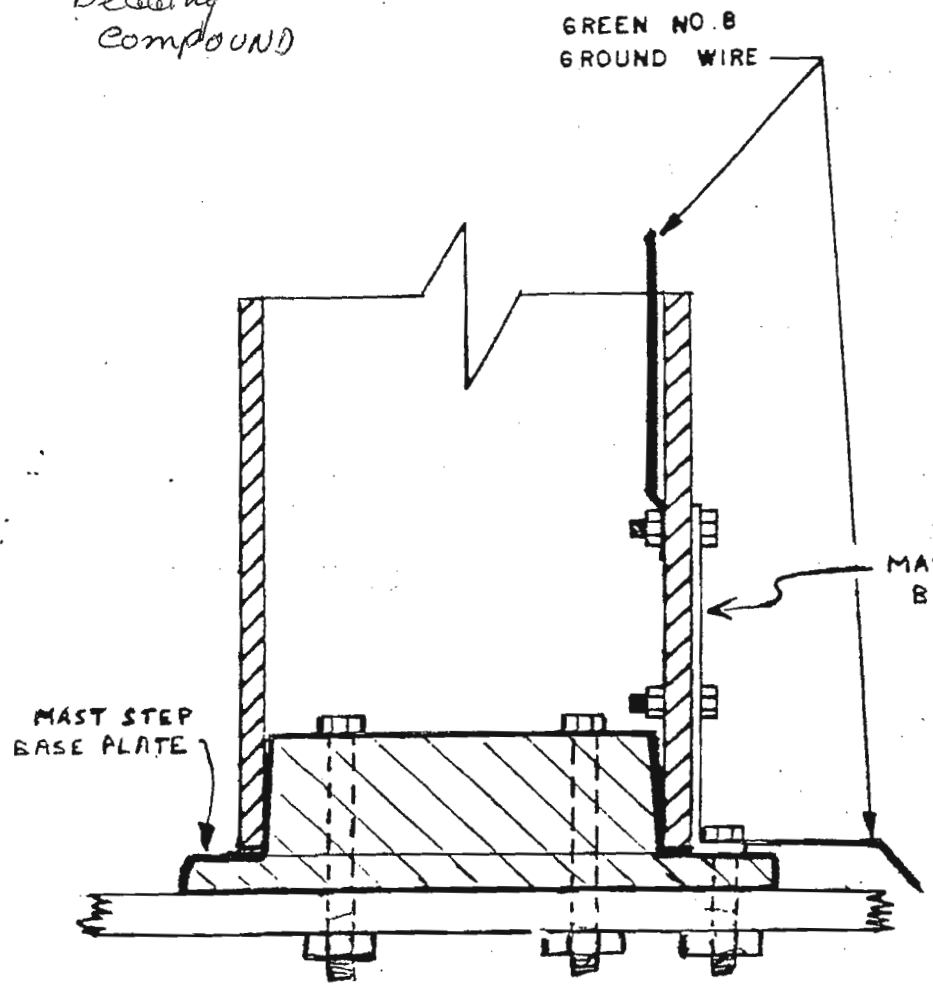

1. LAZY JACK BLOCK
   SCH. 05-03
2. REEF HOOK
   SCH. 76-46
3. REEF BLOCK
   SCH. 05-05

FREEDOM 28 REEF

"RTV" Silicone Bedding Compound

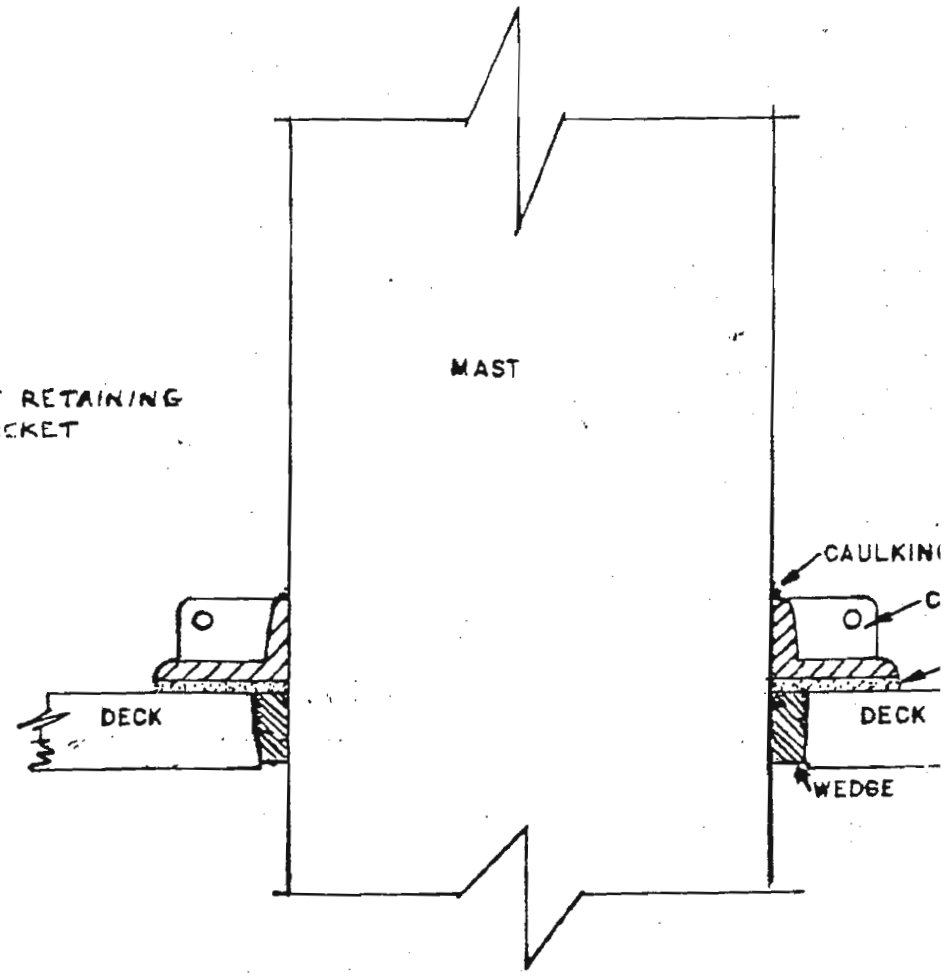
# FREEDOM MAST INSTALLATION

Revised 11/19/93




MAST STEP

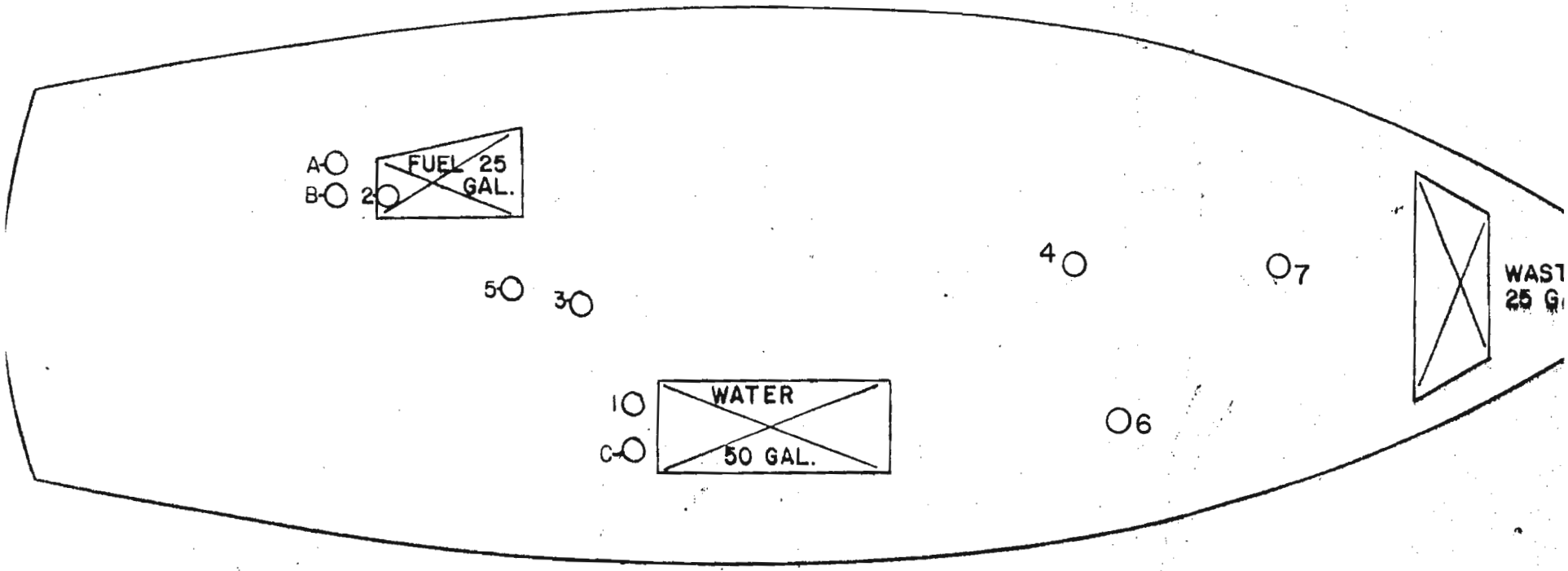
(BASE PLATE TO BE BOLTED AND EPOXIED TO MAST STEP)




MAST COLLAR

# FREEDOM 28

## TANK, VALVE, AND PUMP LOCATIONS



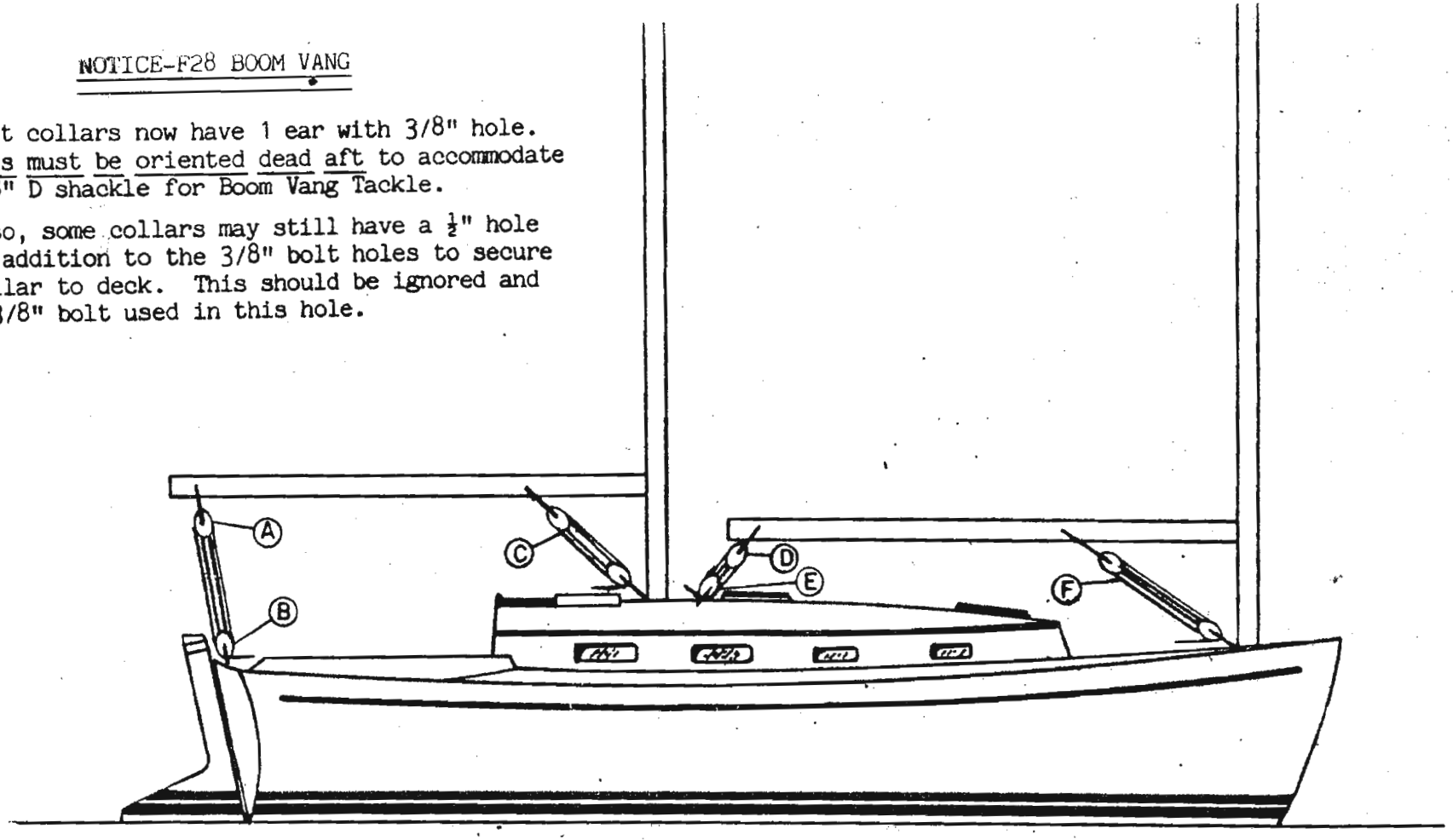

1. WATER SHUT OFF
2. FUEL SHUT OFF
3. SINK DRAIN SEACOCK-1 1/2"
4. HEAD, SALTWATER INTAKE SEACOCK-3/4"
5. ENGINE SALTWATER INTAKE SEACOCK-3/4"
6. OPTIONAL WASTE SEACOCK-1 1/2"
7. OPTIONAL WASTE 3 WAY VALVE

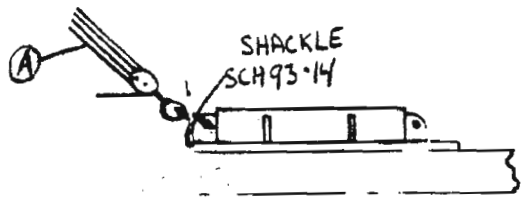
A. OPTIONAL ELEC. BILGE PUMI
B. OPTIONAL SHOWER SUMP PUI
C. OPTIONAL PRESSURE WATEF

## NOTICE-F28 BOOM VANG

Mast collars now have 1 ear with 3/8" hole. This must be oriented dead aft to accommodate 3/8" D shackle for Boom Vang Tackle.

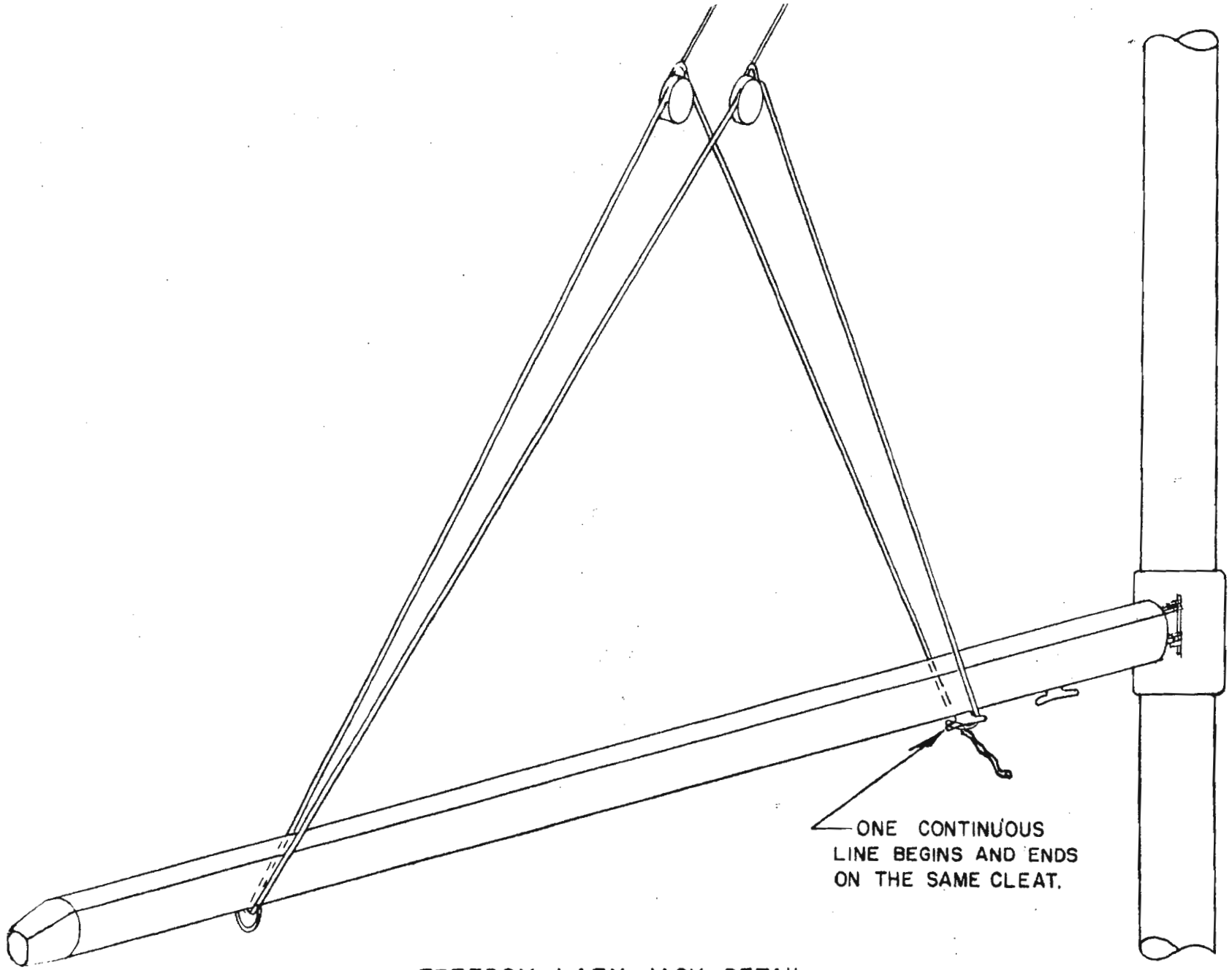
Also, some collars may still have a ½" hole in addition to the 3/8" bolt holes to secure collar to deck. This should be ignored and a 3/8" bolt used in this hole.



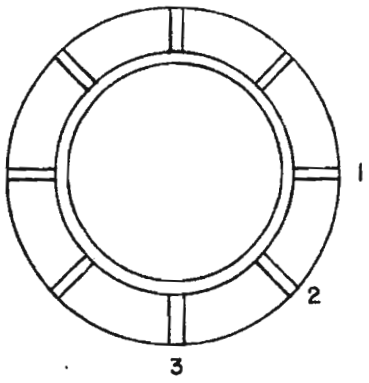




VANG TANG ARRANGEMENT

A. SCH. 05-44 FIDDLE
B. FIDDLE W/BECKET AND CAM
C. SCH. 35-12 TACKLE
D. SCH. 05-44 FIDDLE
E. SCH. 05-54 FIDDLE W/BECKET
F. SCH. 35-12 TACKLE

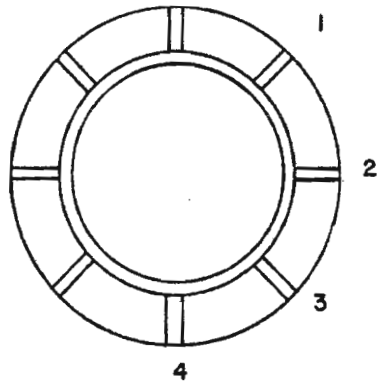



FREEDOM LAZY JACK DETAIL




1. HALYARD SCH 05-05
2. REEF SCH 05-05
3. VANG SHACKLE SCH 35-01 TACKLE

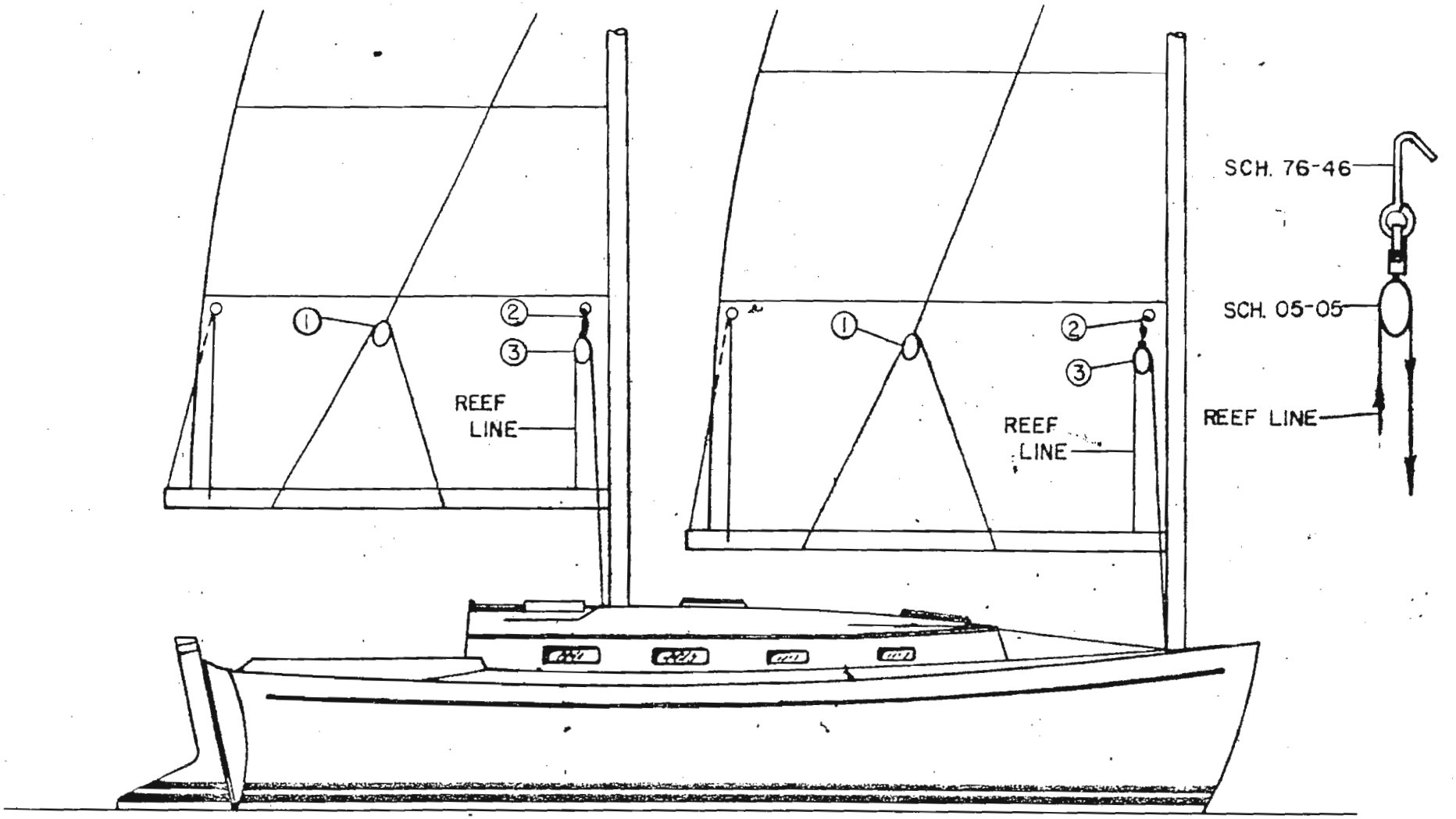
## MAIN MAST COLLAR




1. STAYSAIL HALYARD SCH 05-05
2. HALYARD SCH 05-05
3. REEF SCH 05-05
4. VANG SHACKLE SCH 35-01 TACKLE

## MIZZEN MAST COLLAR

# FREEDOM 28




1. LAZY JACK BLOCK
   SCH. 05-03
2. REEF HOOK
   SCH. 76-46
3. REEF BLOCK
   SCH. 05-05

FREEDOM 28 REEF

updated 9/28/98

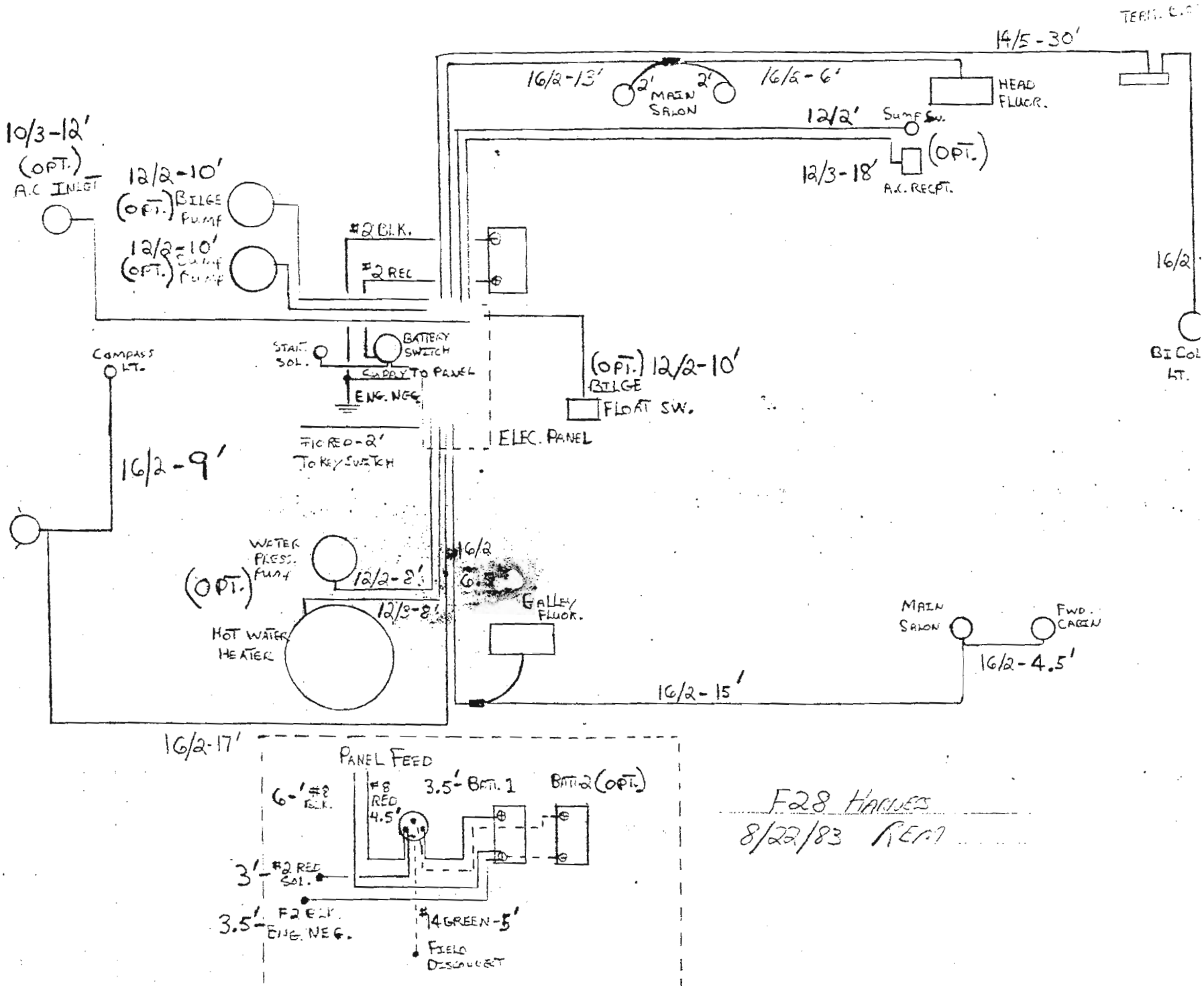
# TILLOTSON - PEARSON INC.

BEND BOAT BASIN
MELVILLE, NEWPORT, RI 02840
401-683-3000

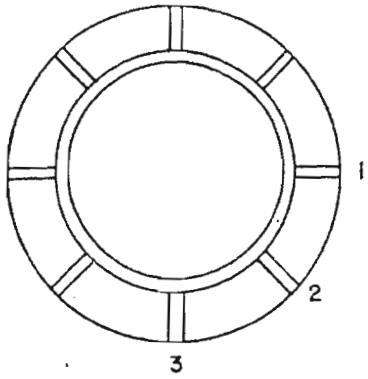
## FREEDOM 28 TRACK RIG BLOCK LIST

| K # | QTY. | MFGR/PART # | DESCRIPTION |
|---|---|---|---|
| 29 | 2 | SCH 05-05 | Halyard Collar Blocks |
| 29 | 4 | SCH 05-05 | Staysail & Spare Halyard Blocks |
| 4 | 1 | SCH 05-44 | Main Sheet Boom Block |
| 67 | 1 | SCH 05-54 | Main Sheet Deck Block |
| 29 | 2 | SCH 05-05 | Luff Reef Blocks |
| 29 | 2 | SCH 05-05 | Collar Reef Blocks |
| 4 | 1 | SCH 05-44 | Mizzen Sheet Boom Block |
| 016 | 1 | SCH 22-73 | Mizzen Sheet Cam |
| 72 | 2 | SCH 93-12 | Lazy Jack Mast Attach Shackles |
| 72 | 4 | SCH 93-12 | Running Backstay Shackles |
| 62 | 2 | SCH 35-01 | Running Backstay Tackles |
| 7 | 4 | SCH 05-03 | Lazy Jack Blocks |
| 012 | 2 | SCH 76-46 | Reef Hooks |
| 092 | 2 | SCH 35-12 | Boom Vang Tackles |
| 008 | 2 | SCH 85-78 | Boom Vang Tungs TANG |
| 76 | 2 | SCH 93-11 | Boom Vang Tung Shackles |
| | SCH | SCH 93-11 | Yellow block shackle |

E: Tillotson-Pearson reserves the right to substitute equipment for that listed herein without prior notice.

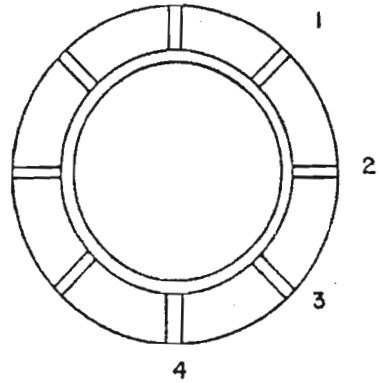



F28 Harness
8/22/83 Rem




1. HALYARD SCH 05-05
2. REEF SCH 05-05
3. VANG SHACKLE SCH 35-01 TACKLE

## MAIN MAST COLLAR




1. STAYSAIL HALYARD SCH 05-05
2. HALYARD SCH 05-05
3. REEF SCH 05-05
4. VANG SHACKLE SCH 35-01 TACKLE

## MIZZEN MAST COLLAR

# FREEDOM 28

27 September 1983

# Freedom 28

## Sail Plan Specifications

A) Main Sail

1) Area of Triangle = 180 sq. ft.
2) Recommended Total Area = 243 sq. ft.
3) P = 30' 0"
4) E = 12' 0"
5) Luff Slides 5/8" Aqua Batten #A007 Flat Internal or Howe and Brainbridge #H228200 3/4" Universal.*
6) Foot Slugs ½" Rd. or Bolt Rope
7) Tack and Reef cut backs are per Dwg. F-39-50300**

B) Mizzen

1) Area of Triangle = 148 sq. ft.
2) Recommended Total Area = 200 sq. ft.
3) P = 26' 10"
4) E = 11' 0"
5) Luff Slides 5/8" Aqua Batten #A007 Flat Internal or Howe and Brainbridge #H228200 3/4" Universal.*
6) Foot Slugs ½" Rd. or Bolt Rope
7) Tack and Reef cut back per Dwg. F-39-50300**

*NOTE: Do <u>not</u> use Howe and Brainbridge #H22800 5/8" Internal Slides.

**NOTE: See Note for Reef and Cut Back Information.

NOTE: All Sails to be fully battened with two reef points.

# FREEDOM 28 TRACK RIG LINE LIST

| | | | |
|---|---|---|---|
| Main Halyard | | 1 | |
| A. | 2506 | 1 | Mer. 39 Shackle |
| B. | (Warren) | 100' | 12mm cup sheet |
| Mizzen Halyard | | 1 | |
| A. | 25068 | 1 | Mer. #390 Shackle |
| B. | (Warren) | 75' | 12mm cup sheet |
| Spare Main. | | 1 | |
| A. | R7020 | 90' | 7/16" Red yacht braid splice to(2) whip |
| B. | R6049 | 1 | Sch. 45-05 , Splice o(1) |
| Staysail Halyard | | 1 | |
| A. | R7019 | 75' | 7/16" Blue yacht braid splice to (2) whip |
| B. | R6049 | 1 | Sch 45-05 Splice to (1) |
| Main Sheet | | 1 | |
| A. | R2019 | 85' | 7/16" White tight eye/whip |
| Mizzen Sheet | | 1 | |
| A. | R2019 | 70' | 7/16" White tight eye/whip |
| Flag Halyard | | 2 | |
| A. | R1026 | 70' | 1/8" Dacron cord hot knife |
| Main Lazy Jack | | | |
| A. | OP7019 | 2 @ 15' | 1/8 xx ¼"(7x7) Coated |
| B. | 25132 | 35' | 5/16" Red Whip/Whip |
| C. | Z110--18 | 4 | 1/8" Thimbles |
| D. | Z110-12 | 8 | 1/8" Nicro press |

Mizzen Lazy Jack

| | | | |
|---|---|---|---|
| A. | OP7019 | 2 @ 13' | 1/8 x ¼" (7x 7) Coated |
| B. | 25132 | 25' | 5/16 Red Whip/whip |
| C. | Z110-18 | 4 | 1/8" Thimbles |
| D. | Z110-12 | 8 | 1/8" Nicro Press |

Mizzen Runners 2

| | | | |
|---|---|---|---|
| A. | OP7019 | 26' | 1/8" x ¼" (7xx7) PVC Coated |
| B. | E110-16 | 1 | /8" Marine eye |
| C. | Z11 --1 | 1 | 1/8 SS Thimble |
| D. | Z110-12 | 2 | 1/8" Nicro Press |
| E. | R6072 | 4 | Sch 93-12 Shackles |
| F. | R4062 | 1 | Sch 35- 01 Tackles |

Main Reef Lines

| | | | |
|---|---|---|---|
| A. | R9008 | 60' | 3/8" Green yacht braid Whip/Whip |

Mizzen Reef Lines

| | | | |
|---|---|---|---|
| A. | R9008 | 45' | 3/8" Green Yabht Braid Whip/Whip |

# TILLOTSON - PEARSON INC.

BEND BOAT BASIN
MELVILLE, NEWPORT, RI 02840
401-683-3500

## GENERAL INFORMATION

### Freedom 28

HULL # TSP28053M885K

Location on hull #: Upper Starboard Transom Corner.

LOA : 31' 9" With bowsprit & Rudder
LWL : 27' 8" With Rudder
Beam: 9' 4"
Draft: 4' 5"

Mast Length: Main 36' Mizzen 36'
Overall height above water: 37' 4"

Engine Type : Yanmar 2GM Serial # 08016
Trans Type : KM2A - 14477 Prop 16 12 H9
Shaft Dia.: 1"

Bottom Paint: _____ # _____
Exterior Wood Finish : Interlux Teakwood Oil
Interior Wood Finish : Interlux Teakwood Oil

# TILLOTSON - PEARSON INC.

BEND BOAT BASIN
MELVILLE, NEWPORT, RI 02840
401-683-3500

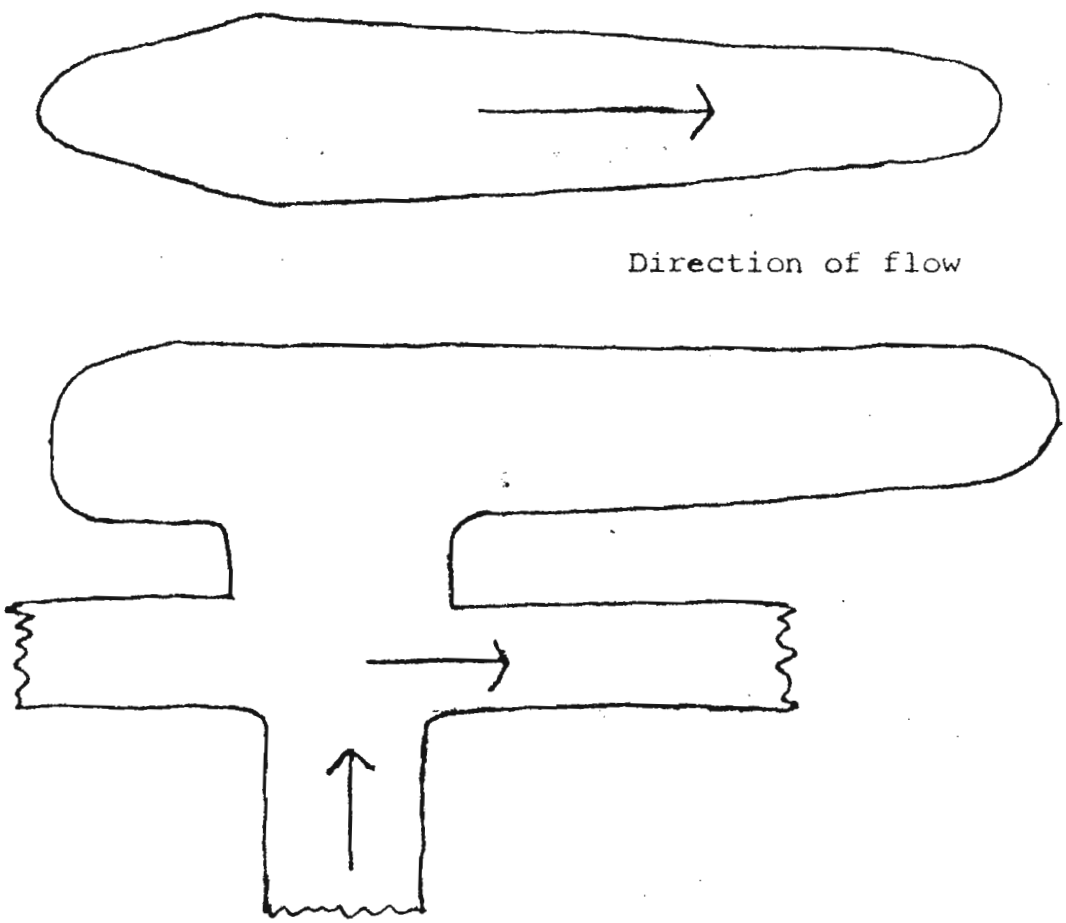
TO: All Freedom Dealers

FROM: Mark L. Edwards

DATE: 2/3/82

SUBJ: Holding Tank Diverter Valve Handle Placement In Freedom 33, 40, 44

To reduce the risk of any further confusions with the proper positioning of the handle of the head discharge diverter "Y" valve, the long end of the handle ( not the shorter end) indicates the direction of flow.



Direction of flow