

## SAIL SPECIFICATIONS

NOTE: MAIN AND JIB MEASUREMENTS TO INTERSECTIONS OF STRAIGHT LINES.

MAIN - LUFF = 16' 4-3/4" (4.889 m)  
 LEECH = 16' 5-7/8" (5.026 m)  
 FOOT = 5' 1-7/8" (1.571 m)  
 TRIANGULAR AREA = 42 SQ. FT. (3.9 SQ. M)  
 FULL AREA, ROACH INCL. = 70 SQ. FT. (6.5 SQ. M)  
 SAIL SHOULD BE FLOWN LOOSE-FOOTED, INCL. BOLT ROPE FOR MAST SLOT,  
 REEF POINTS AS SHOWN.  
 CUT SAIL TO PRE-BEND AND ROACH AS SHOWN, BATTEN LOCATIONS MAY BE MODIFIED  
 TO SAILMAKERS PREFERENCE.

JIB - LUFF = 12' 10-1/4" (3.918 m)  
 LEECH = 11' 11-1/4" (3.638 m)  
 FOOT = 4' 9-7/16" (1.458 m)  
 LP = 4' 4-1/8" (1.323 m), 87%  
 FORE TRIANGLE AREA = 33 SQ. FT. (3.1 SQ. M)  
 FULL AREA = 28.5 SQ. FT. (2.6 SQ. M)

SPINNAKER - FLAT CUT, ASYMMETRICAL, MAXIMUM SIZE AS SHOWN  
 APPROXIMATE AREA = 93 SQ. FT.

## SPAR AND RIGGING SPECIFICATIONS

NOTE: ALL LONGITUDINAL MAST MEASUREMENTS ARE  
 CORRECTED FOR RAKE AND OR BEND AND ARE TO  
 INTERSECTIONS OF STRAIGHT LINES.

MAST SECTION, DWYER DM-1 ALUMINUM SECTION, STEPPED ON COCKPIT SOLE  
 2.0" x 2.25" (50.8 MM x 57.2 MM)  
 $I_x = 0.139 \text{ IN.}^4$   
 $I_y = 0.235 \text{ IN.}^4$

BOOM SECTION, DWYER DM-1 ALUMINUM SECTION

SPREADER STOCK, 1/2" OD x .058" WALL (12.7 MM x 1.47 MM) ALUMINUM TUBING  
 SPREADER BRACKETS, DWYER D 256  
 MASTHEAD, DWYER D 101  
 MAST STEP, DWYER D 212  
 BOOM END CAP, DWYER D 6530  
 BOOM GOOSENECK, DWYER D 353-IS SLIDING TYPE  
 MAINSHEET AND VANG BAILS, DWYER DH 312  
 SHROUD AND FORESTAY TANGS, DWYER DH 71-3

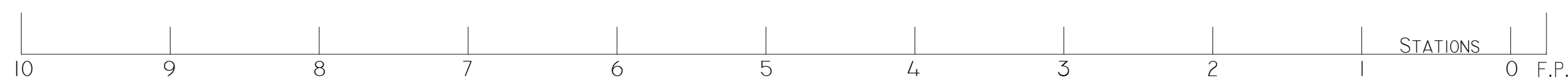
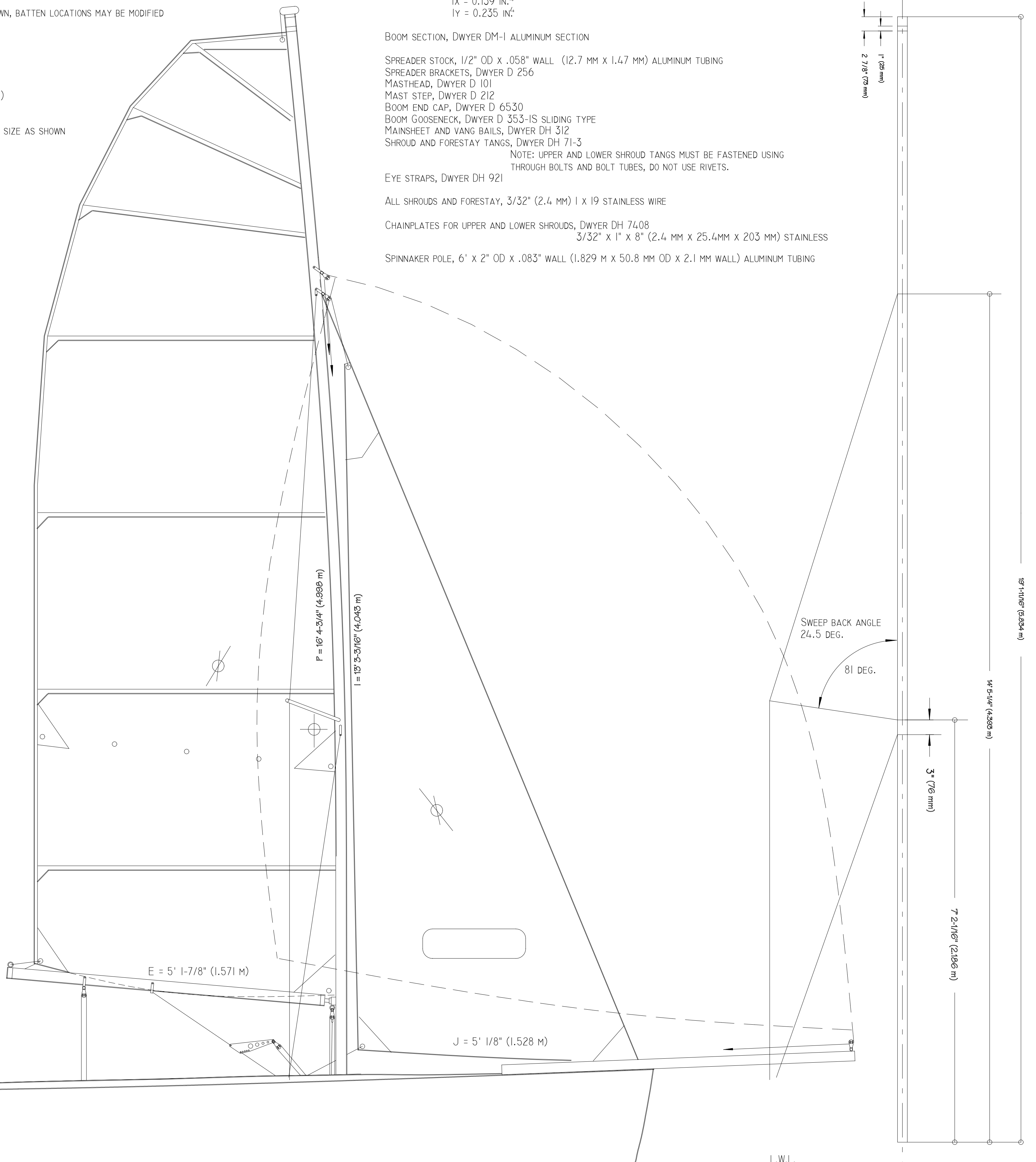
NOTE: UPPER AND LOWER SHROUD TANGS MUST BE FASTENED USING  
 THROUGH BOLTS AND BOLT TUBES, DO NOT USE RIVETS.

EYE STRAPS, DWYER DH 921

ALL SHROUDS AND FORESTAY, 3/32" (2.4 MM) 1 x 19 STAINLESS WIRE

CHAINPLATES FOR UPPER AND LOWER SHROUDS, DWYER DH 7408  
 3/32" x 1" x 8" (2.4 MM x 25.4 MM x 203 MM) STAINLESS

SPINNAKER POLE, 6' x 2" OD x .083" WALL (1.829 M x 50.8 MM OD x 2.1 MM WALL) ALUMINUM TUBING



## RUNNING RIGGING AND HARDWARE SPECIFICATIONS

MAIN SHEET TACKLE - HARKEN #226 MICRO BLOCK ON BOOM, #245 MICRO FIDDLE W/JAM CLEAT & BECKET ON TRAVELER CAR,  
 RIG FOR 4:1 PURCHASE. MAXIMUM LINE DIAMETER = 1/4" (6 MM)

BOOM VANG - LEVER, HOLT-ALLEN #HA4192, RIG TO MAST BASE AND BOOM USING 3/32" (2.4 MM) STAINLESS WIRE.  
 MOUNT HARKEN #292 SINGLE MICRO BLOCK ON LEVER, HARKEN #226 DOUBLE BLOCK NEAR MAST BASE.  
 RIG LEVER FOR MAXIMUM 9:1 PURCHASE.  
 MAXIMUM CONTROL LINE DIAMETER = 1/4" (6 MM)

BOOM OUTHAUL - HARKEN EXTERNAL SYSTEM 2 FOR 4:1 PURCHASE. USE DWYER EYESTRAP, #416 CHEEK BLOCK, #404 SINGLE, #315 MICRO CAM-CLEAT.,  
 MAXIMUM CONTROL LINE DIAMETER = 7/32" (5 MM)

CUNNINGHAM - HARKEN SYSTEM 1 FOR 5:1 TO 10:1 PURCHASE. USE DWYER EYESTRAP ON MAST, #227 DOUBLE BLOCK W/BECKET, #230 TRIPLE BLOCK W/CAM.  
 CONTROL LINE RUNS THROUGH GOOSENECK EYE, NOT A SAIL MOUNTED GROMMET.  
 DEAD END CONTROL LINE AT MAST FOR 10:1, ON #227 BECKET FOR 5:1  
 MAXIMUM CONTROL LINE DIAMETER = 1/4" (6 MM)

MAIN HALYARD - RUN LINE OVER AFT MASTHEAD SHEAVE AND DOWN THE INSIDE OF THE MAST, EXITING THROUGH A RONSTAN #RF1988 EXIT BOX LOCATED  
 6" (152 MM) ABOVE THE MAST BASE, PORT SIDE. SECURE TO SOLE MOUNTED CLEAT.  
 MAXIMUM CONTROL LINE DIAMETER = 1/4" (6 MM)

JIB HALYARD - RUN LINE FROM THE HEAD OF THE SAIL, TURNING DOWNWARD FROM THE MAST MOUNTED HARKEN #292 BLOCK TO A DECK MOUNTED  
 STANDUP BLOCK AND CAM CLEAT.  
 MAXIMUM CONTROL LINE DIAMETER = 1/4" (6 MM)

SPINNAKER HALYARD - SAME AS FOR JIB HALYARD.

NOTE: LOW STRETCH TECHNORA/SPECTRA BRAID SHOULD BE USED FOR ALL CONTROL LINES AND HALYARDS.

<b>SAIL PLAN</b>	
<b>"NSI4 CLASS - DELTA V"</b>	
FOR: NORTHWEST MARINE DESIGN	
DESIGNER: A C GONDOLA, NA 1836 COYOTE RIDGE DRIVE LAS CRUCES, NM 88011	
HTTP://WWW.NWMARINEDESIGN.COM ACGNA@COMCAST.NET	
SCALE 1" = 1' - 0" DESIGN #32, REV. - I, SHEET 2 OF 9	