

**R**ruce  
oberts design. Trawler Yacht kit

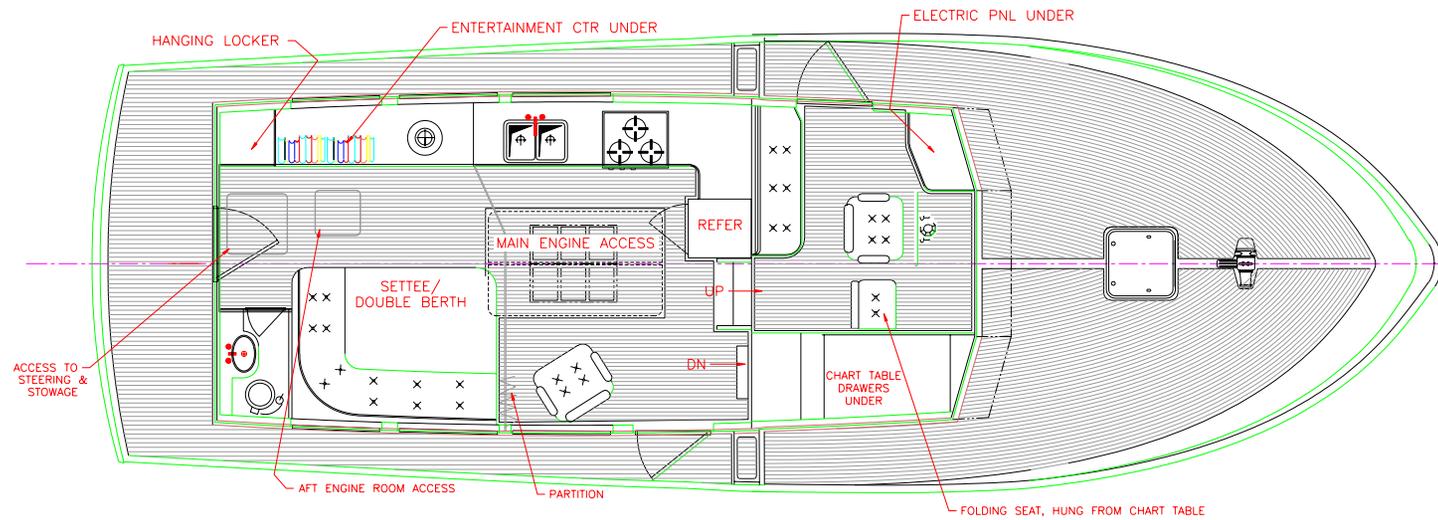
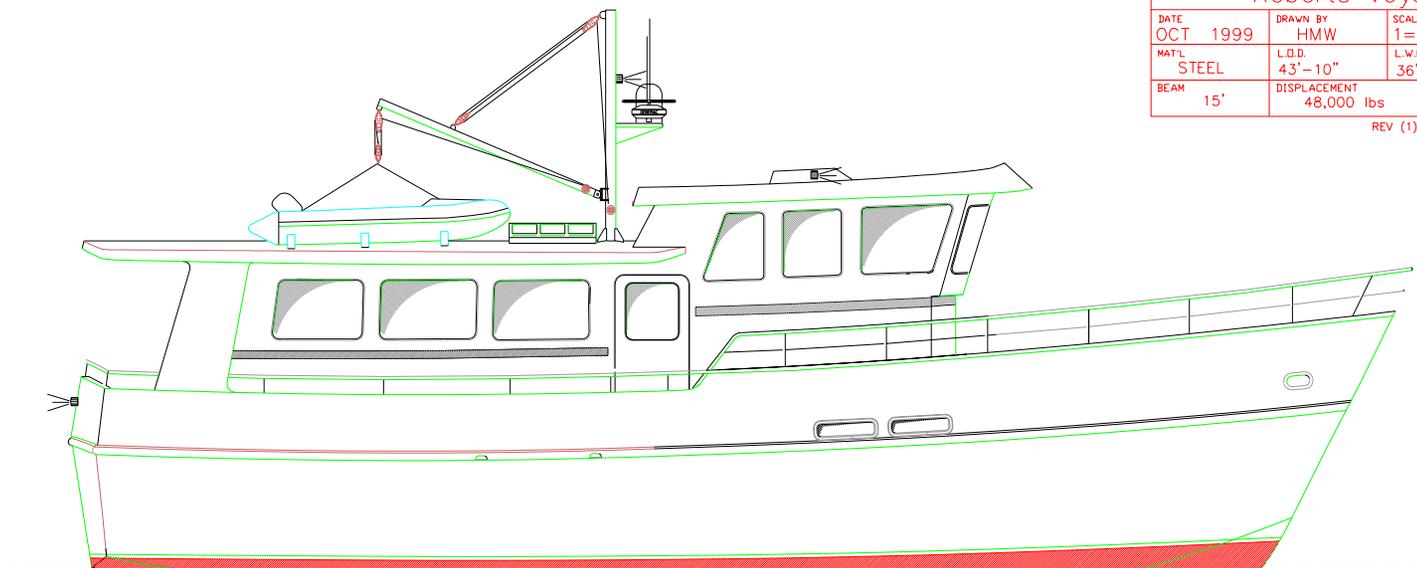
DRAWING TITLE Roberts Voyager 43

DATE OCT 1999 DRAWN BY HMW SCALE 1=24 1/2" SHEET # 1A

MAT'L STEEL L.O.D. 43'-10" L.W.L. 36'-8" DRAFT 5'-0"

BEAM 15' DISPLACEMENT 48,000 lbs POWER 120 - 175 hp

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**NOTES ON ENGINE & PROPELLER:**

ENGINE SHOWN IS A LUGGER L668T WHICH RATES BETWEEN 136 & 172 HP. THIS IS MORE THAN ENOUGH POWER FOR THE BOAT AS SHE IS A TRUE DISPLACEMENT FORM.

THE PROP APERTURE IS LARGE ENOUGH TO ACCOMMODATE AN INSTALLATION USING A DEEP-RATIO MARINE GEAR. THE DEEP RATIO GEAR WILL GIVE BETTER EFFICIENCIES WITH LESS CAVITATION AND PROVIDE BETTER PULL.

BELOW ARE GEAR RATIOS & PROP SUGGESTIONS. ALL OF THE FOLLOWING HAVE BEEN CALCULATED USING 172 AVAIL HORSEPOWER AND A MAXIMUM SPEED OF 10 KNOTS.

- 2:1 GEAR: 26" DIA x 14" PITCH 4 BLADED THIS IS SHOWN
- 3:1 GEAR: 36" DIA x 16" PITCH 4 BLADED THIS IS SHOWN

SEE SHEET 1AAA FOR ARRANGEMENT DIMENSIONS NOT SHOWN ON THIS SHEET.

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