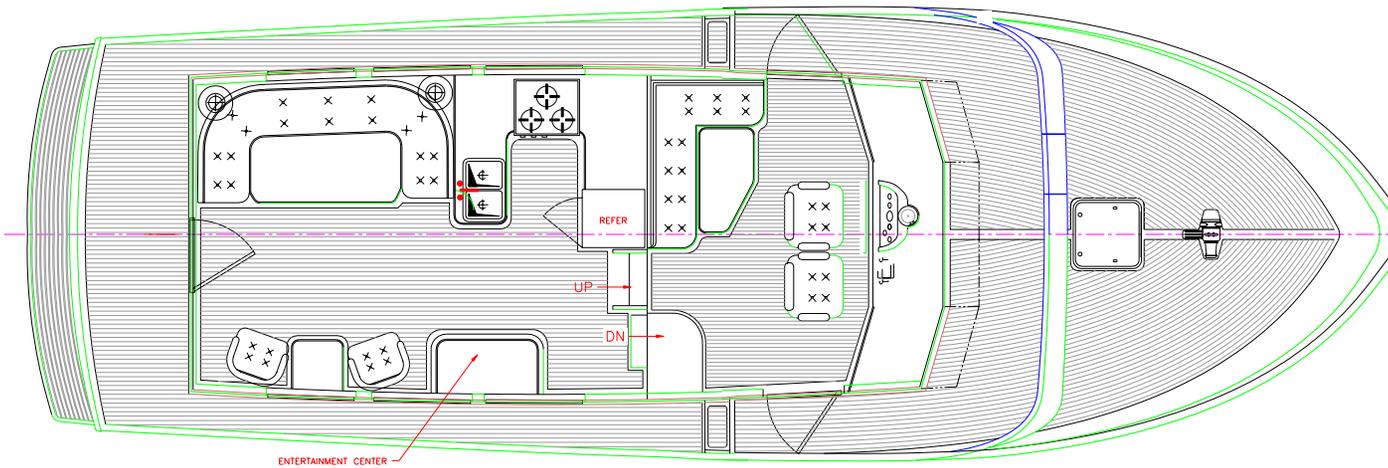


**R**ruce  
oberts design. Trawler Yacht kit

DRAWING TITLE Roberts Voyager 43

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

REV (1) 2 FEB 2000



**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 ACCOMODATE 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
- 3:1 GEAR: 36" DIA x 16" PITCH 4 BLADED THIS IS SHOWN

SEE SHEET 18BB FOR ARRANGEMENT DIMENSIONS NOT SHOWN ON THIS SHEET.

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