



SAIL	LUFF	LEECH	FOOT	L.P.	AREA
MAIN	14,000	14,590	4,900		40.4sq m
	45' 11"	47' 10 1/2"	16' 1"		435sq ft
GENOA	15,600	14,750	7,200	6,750	54.1sq m
	51' 2"	48' 4 3/4"	23' 7 1/2"	22' 1 3/4"	583sq ft
YANKEE	15,000	13,075	5,000	4,250	31.9sq m
	49' 2 1/2"	42' 10 3/4"	16' 5"	13' 11"	343sq ft
STAYSAIL	10,000	8,875	3,185	2,770	13.9sq m
	32' 9 3/4"	29' 1 1/2"	10' 6"	9' 1"	149sq ft
STORM JIB	8,500	7,150	2,920	2,350	9.9sq m
	27' 10 1/2"	23' 5 1/2"	9' 7"	7' 8 1/2"	107sq ft

TYPICAL MAST SECTION - KEEL STEPPED

Ixx 13.3 - 16.75 x 10<sup>6</sup> mm<sup>4</sup>  
Iyy 4.7 x 10<sup>6</sup> mm<sup>4</sup>

EXAMPLE SECTIONS

SM207 - 207 x 124mm x 6.8kg/m  
Ixx - 15 x 10<sup>6</sup> mm<sup>4</sup> Iyy - 4.8 x 10<sup>6</sup> mm<sup>4</sup>  
IM21R - 212 x 130mm x 7.35kg/m  
Ixx - 15.1 x 10<sup>6</sup> mm<sup>4</sup> Iyy - 5.3 x 10<sup>6</sup> mm<sup>4</sup>

Righting moments @ 30deg approx = 4,200 kg m

**RADFORD 415 - DESIGN # 61**  
Steel Cruising Yacht  
SAIL PLAN - CUTTER RIG

DRW# 061-02-01  
DATE 28/5/2001 SCALE 1 : 30

MODELS USED :- M061-02-01  
DATABASE :- DSN06102

**RADFORD**

+61 (0)427 008 270  
PO Box 124 Freshwater NSW 2096 Australia  
graham@radford-yacht.com www.radford-yacht.com

THIS DRAWING AND ALL THE INFORMATION SEPARATELY OR COLLECTIVELY DISCLOSED HEREBY, OR EMBODIED HEREIN, IS THE PROPERTY OF RADFORD YACHT DESIGN PTY LTD. THE DRAWING SHALL NOT BE REPRODUCED OR COPIED, AND MUST BE RETURNED IMMEDIATELY UPON REQUEST. NO INFORMATION EMBODIED HEREIN SHALL BE COMMUNICATED, DISCLOSED, OR USED IN ANY MANNER, IN WHOLE OR IN PART, EXCEPT TO THE EXTENT PREVIOUSLY EXPRESSLY AUTHORIZED IN WRITING BY RADFORD YACHT DESIGN PTY LTD