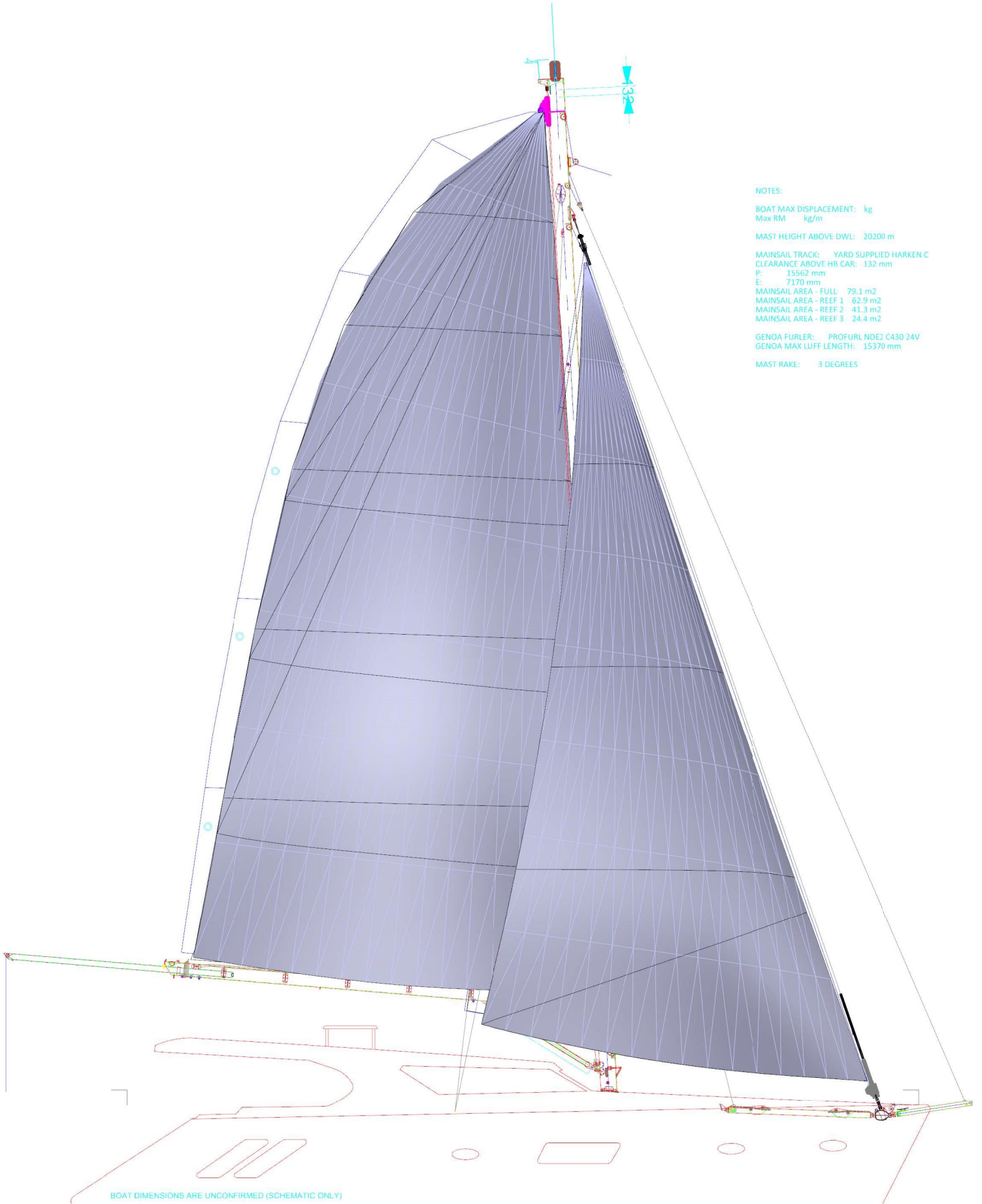


KNYSNA YACHTS  
KNYSNA 500SE  
STANDARD RIG - NORTH SAILS



NOTES:

BOAT MAX DISPLACEMENT: kg  
Max RM kg/m

MAST HEIGHT ABOVE DWL: 20200 m

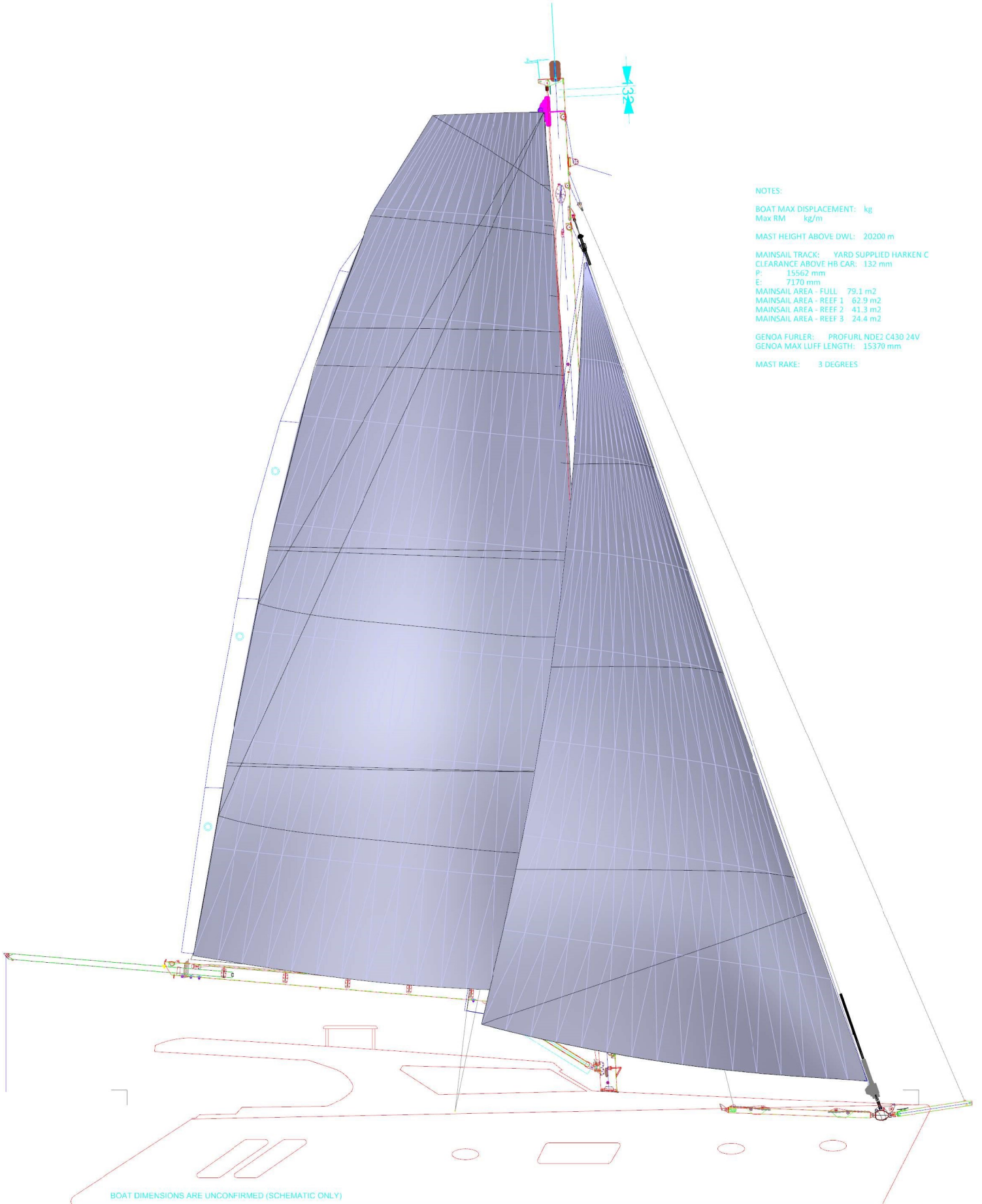
MAINSAIL TRACK: YARD SUPPLIED HARKEN C  
CLEARANCE ABOVE HB CAR: 132 mm  
P: 15562 mm  
E: 7170 mm  
MAINSAIL AREA - FULL: 79.1 m<sup>2</sup>  
MAINSAIL AREA - REEF 1: 62.9 m<sup>2</sup>  
MAINSAIL AREA - REEF 2: 41.3 m<sup>2</sup>  
MAINSAIL AREA - REEF 3: 24.4 m<sup>2</sup>

GENOA FURLER: PROFURL NDE2 C430 24V  
GENOA MAX LUFF LENGTH: 15370 mm

MAST RAKE: 3 DEGREES

BOAT DIMENSIONS ARE UNCONFIRMED (SCHEMATIC ONLY)

KNYSNA YACHTS  
KNYSNA 500SE  
STANDARD RIG - NORTH SAILS



NOTES:

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- Max RM kg/m
- MAST HEIGHT ABOVE DWL: 20200 m
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- GENOA FURLER: PROFURL NDE2 C430 24V
- GENOA MAX LUFF LENGTH: 15370 mm
- MAST RAKE: 3 DEGREES

BOAT DIMENSIONS ARE UNCONFIRMED (SCHEMATIC ONLY)

C:\export\projects\Knysna 500SE\Knysna 500SE Std HR Main.txt

w4.1a : Knysna 500SE Std HR Main

DesMan: "03) Cat Roach Mainsail" "02) CatRoachMainsails all other Types" BL=44.0 DP=0.0

AR=0.0 Trim=None PF=0.0 Luff=Mid

PO#,ID: 170022-01 Shane Fri May 22 12:02:45 2020

	Luff	LeGeo	Foot	LP	Area	AeroAR	TrigAR
Msm :	15.500	16.150	7.050	0.000	76.07	3.149	2.199

Girths: Length %-Foot

Foot :	7.050	100.0
1/4 :	6.278	89.0
1/2 :	5.318	75.4
3/4 :	3.535	50.1
Head :	0.150	2.1

2D Luff and Leech 1/8 point offsets from going from Foot to Head

	0/0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1/1	length
Lu(2D):	0	90	162	210	230	217	173	98	0	15.491
	0	0.390	0.706	0.916	1.000	0.946	0.754	0.429	0	
Le(2D):	0	425	848	1248	1577	1759	1684	1193	0	16.039
	0	0.269	0.538	0.792	1.000	1.115	1.068	0.757	0	
Lu(Fan):	0	59	101	126	135	128	103	60	0	15.500
	0	0.434	0.745	0.934	1.000	0.943	0.760	0.447	0	
Foot :	0.	49	95	128	140	128	95	50	-0.	7.050

# - Batts :	Luff	Leech	Girth	Length
5 - Bat#5 :	3.255	2.857		6.488 Full Length Batten
4 - Bat#4 :	6.200	5.883		5.852 Full Length Batten
3 - Bat#3 :	8.990	8.756		5.057 Full Length Batten
2 - Bat#2 :	11.547	11.452		3.946 Full Length Batten
1 - Bat#1 :	13.547	13.791		2.521 Full Length Batten

Reefs :	Luff	Leech	Foot	LeCord	Area	Lu(up)m	Le(up)m	Diamonds	%-positions
Reef1 :	13.330	14.360	6.643	13.974	60.24	0.000	0.000	4	0.201 0.401
	0.601	0.800							
ReLu1 :	2.170		0.015						
ReLe1 :		2.224	0.016						
Reef2 :	10.230	11.224	6.013	10.943	40.50	0.000	0.000	4	0.202 0.403
	0.602	0.801							
ReLu2 :	5.270		0.015						
ReLe2 :		5.360	0.016						
Reef3 :	7.285	8.385	5.262	8.236	24.21	0.000	0.000	3	0.257 0.508
	0.755								
ReLu3 :	8.215		0.015						
ReLe3 :		8.199	0.015						

Marks :	Luff	Leech	Length	Diamonds	%-positions
Cungh :	0.388		0.170		
Sli00 :	1.627		0.150		
Sli01 :	3.255		0.150		
Sli02 :	4.728		0.150		
Sli03 :	6.200		0.150		
Sli04 :	7.595		0.150		
Sli05 :	8.990		0.150		
Sli06 :	10.261		0.150		
Sli07 :	11.547		0.150		
Sli08 :	12.540		0.150		
Sli09 :	13.547		0.150		
Sli10 :	14.524		0.150		

Msm's :	Edge1	Edge2	Pos1	Pos2	Length
Msm#0 :	Luff	Leech	1.000	0.000	16.150

Angles:	Head	Tack	Clew
Lines :	38.612	82.932	73.466
Edges :	56.232	88.120	87.115

C:\export\projects\Knysna 500SE\Knysna 500SE Std Sq Hd Main.txt

w4.1a : Knysna 500SE Std Sq Hd Main

DesMan: "03) Cat Roach Mainsail" "02) CatRoachMainsails all other Types" BL=55.0 DP=0.0

AR=0.0 Trim=None PF=0.0 Luff=Mid

PO#,ID: 150312-01 ShaneElliott Fri May 22 12:04:09 2020

Msm	:	Luff	LeGeo	Foot	LP	Area	AeroAR	TrigAR
		15.500	16.150	7.050	0.000	80.11	2.991	2.199

Girths:	Length	%-Foot
Foot	: 7.050	100.0
1/4	: 6.354	90.1
1/2	: 5.468	77.6
3/4	: 4.144	58.8
Head	: 2.000	28.4

2D Luff and Leech 1/8 point offsets from going from Foot to Head										
	0/0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1/1	length
Lu(2D):	0	86	159	210	236	229	189	111	0	15.491
	0	0.367	0.674	0.893	1.000	0.974	0.801	0.471	0	
Le(2D):	0	221	430	613	751	823	789	562	0	15.372
	0	0.294	0.572	0.816	1.000	1.096	1.050	0.748	0	
Lu(Fan):	0	58	99	123	132	124	100	59	0	15.500
	0	0.438	0.749	0.936	1.000	0.941	0.757	0.445	0	
Foot	: 0.	49	95	128	140	128	95	50	0.	7.050

# - Batts	:	Luff	Leech	Girth	Length
5 - Bat#5	:	3.875	3.451		6.412 Full Length Batten
4 - Bat#4	:	7.595	7.265		5.577 Full Length Batten
3 - Bat#3	:	10.850	10.618		4.558 Full Length Batten
2 - Bat#2	:	13.330	13.419		3.353 Full Length Batten
1 - Bat#1	:	14.095	15.504		2.531 Full Length Batten

Reefs	:	Luff	Leech	Foot	LeCord	Area	Lu(up)m	Le(up)m	Diamonds	%-positions
Reef1	:	12.943	13.000	6.613	13.714	62.88	0.077	0.000	4	0.201 0.400
		0.600	0.799							
ReLu1	:	2.557		0.170						
ReLe1	:		2.503	0.016						
Reef2	:	9.145	9.193	5.839	10.059	39.07	0.077	0.000	4	0.201 0.400
		0.600	0.799							
ReLu2	:	6.355		0.170						
ReLe2	:		6.310	0.016						

Marks	:	Luff	Leech	Length	Diamonds	%-positions
SS2/8	:	3.875	3.395	6.420		
SS4/8	:	7.750	7.326	5.552		
SS6/8	:	11.625	11.306	4.242		
Hedwn	:	15.485		0.015		
Sli00	:	1.938		0.200		
Sli01	:	3.875		0.200		
Sli02	:	5.735		0.200		
Sli03	:	7.595		0.200		
Sli04	:	9.300		0.200		
Sli05	:	11.005		0.200		
Sli06	:	12.245		0.200		
Sli07	:	13.485		0.200		
Sli08	:	14.198		0.200		

Msm's	:	Edge1	Edge2	Pos1	Pos2	Length
Msm#0	:	Luff	LeMsm	1.000	0.000	16.150
Msm#1	:	Luff	LeMsm	1.000	0.000	16.150
Msm#2	:	Bat#1	Bat#2	1.000	0.000	3.288
Msm#3	:	Bat#2	Bat#2	0.000	1.000	3.353

Angles:	Head	Tack	Clew
Lines	: 20.545	82.774	80.055
Edges	: 37.114	87.916	88.312

C:\export\projects\Knysna 500SE\Knysna 500SE Std RF Genoa.txt

w4.1a :Knysna 500SE Std RF Genoa

:ref:O/E#90410-02 revised

PO#,ID: 100347-02 90947-02 Fri May 22 11:48:12 2020

Msm	:	Luff	Leech	Foot	LP	Area	AeroAR	TrigAR
		15.220	13.630	7.148	6.435	47.76	4.341	2.365

Girths:	Length	%-Foot
Foot	: 7.148	100.0
1/4	: 5.177	72.4
1/2	: 3.307	46.3
3/4	: 1.601	22.4
Head	: 0.050	0.7

2D Luff and Leech 1/8 point offsets from going from Foot to Head

	0/0	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1/1	length
Lu(2D):	0	21	19	6	-8	-17	-18	-12	0	15.220
	0	-2.644	-2.466	-0.816	1.000	2.140	2.296	1.543	0	
Le(2D):	0	-122	-212	-267	-282	-259	-203	-116	0	13.615
	0	0.431	0.751	0.945	1.000	0.919	0.719	0.411	0	
Lu(Fan):	0	-47	-88	-119	-135	-133	-106	-58	0	15.220
	0	0.346	0.651	0.878	1.000	0.979	0.781	0.432	0	
Foot	: 0.	91	158	198	213	200	160	93	-0.	7.148

Marks	:	Luff	Leech	Length	Diamonds	%-positions
SS2/8	:	3.805	2.799	5.259		
SS4/8	:	7.610	6.414	3.343		
SS6/8	:	11.415	10.022	1.612		
Hedwn	:	15.205		0.015		

Msm's	:	Edge1	Edge2	Pos1	Pos2	Length
Msm#0	:	Luff	Leech	0.000	0.000	7.148
Msm#1	:	Luff	Leech	0.207	0.000	6.435
Msm#2	:	Luff	Leech	0.500	0.500	3.307

Angles:	Head	Tack	Clew
Lines	: 28.649	66.015	90.348
Edges	: 22.132	71.399	90.741

FPNote:  
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