Mainsail: 3001006 Stuart carbon DP Lite skin R2

Design Info
==========

Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3001006 Stuart carbon DP Lite skin\3001006 Stuar

Comments:
tack angle 88.5

draft at 25%% , 49%%, 75%%

Initial Design Date: 15/10/2019
Boat:

Client:

Design Data
==========

Main

Measurements

Luff geodesic:	38.911Ft
Leech geodesic:	40.901Ft
Foot geodesic:	13.648Ft
Head geodesic:	0.377Ft
Upper width (MUW):	2.631Ft
Three-quarter width (MTW):	4.843Ft
Half width (MHW):	8.689Ft
Quarter width (MQW):	11.572Ft
Foot median:	39.845Ft
ORC Mainsail area:	312.512Ft?
Surface area:	321.467Ft?

Battens

Position	Length	Roach	Angle	Full
83.333%	3.580Ft	0.752Ft	72.533?	Full
66.667%	6.435Ft	1.167Ft	72.533?	Full
50.000%	8.844Ft	1.268Ft	72.533?	Full
33.333%	10.843Ft	1.129Ft	72.533?	Full
16.667%	12.403Ft	0.688Ft	72.533?	Full

Reefing Points

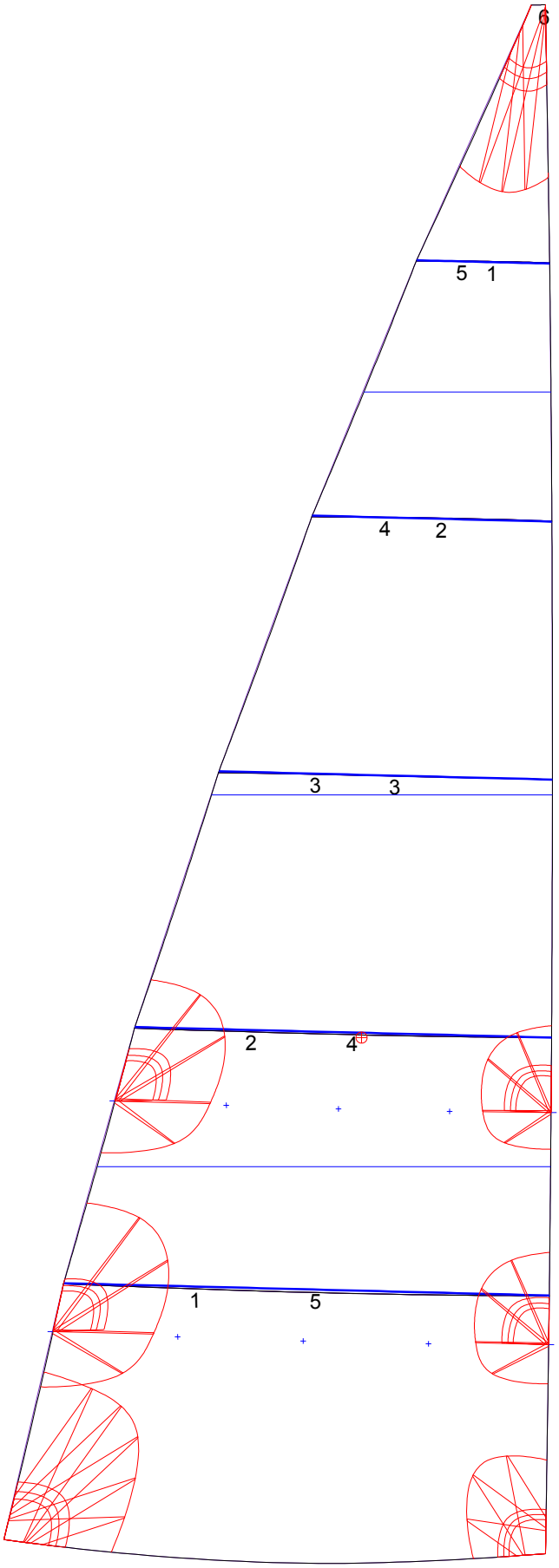
1, Luff: 5.251Ft ; Leech: 5.393Ft ; Offset: 0.000Ft ; Number Eyelets: 3
2, Luff: 11.086Ft ; Leech: 11.413Ft ; Offset: 0.000Ft ; Number Eyelets: 3

Luff Curve

38.910Ft,	0.000Ft
34.061Ft,	-0.081Ft
29.182Ft,	-0.139Ft
24.291Ft,	-0.169Ft
19.454Ft,	-0.175Ft
14.498Ft,	-0.162Ft
9.727Ft,	-0.129Ft
4.849Ft,	-0.073Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [0.(	Before BSeam	
100% (38.911Ft) :	0.000Ft	0.000Ft
90% (35.020Ft) :	0.044Ft	0.143Ft
80% (31.129Ft) :	0.083Ft	0.277Ft
70% (27.238Ft) :	0.107Ft	0.385Ft
60% (23.347Ft) :	0.116Ft	0.445Ft
50% (19.455Ft) :	0.115Ft	0.456Ft
40% (15.564Ft) :	0.106Ft	0.416Ft
30% (11.673Ft) :	0.090Ft	0.339Ft
20% (7.782Ft) :	0.066Ft	0.232Ft
10% (3.891Ft) :	0.033Ft	0.111Ft
0% (0.000Ft) :	0.000Ft	0.000Ft

Mainsail: 3001006 Stuart carbon DP Lite skin R2



Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000Ft	0.000Ft	0.197Ft

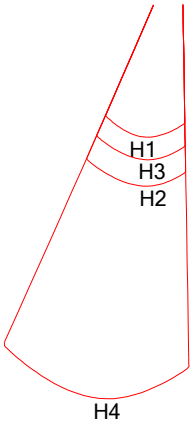
Edge Excesses

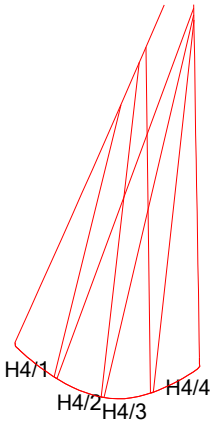
	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft

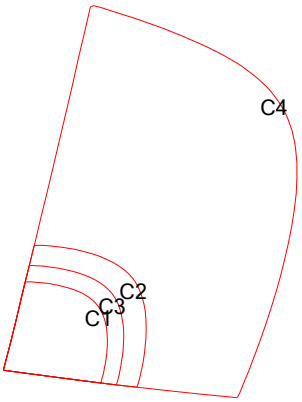
Materials

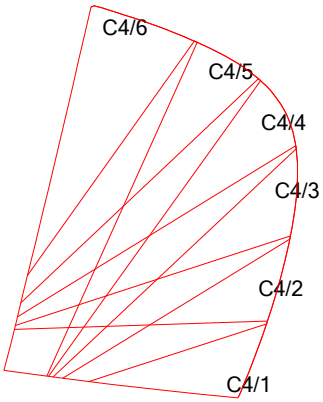
Material	Area (Ft?	Panels
Material 1	322.47	1,2,3,4,5 6

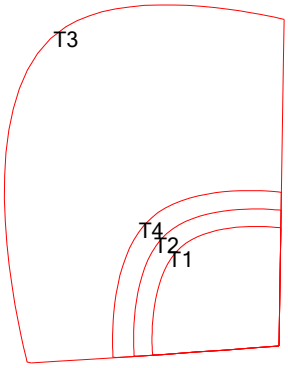
Mainsail: 3001006 Stuart carbon DP Lite skin R2

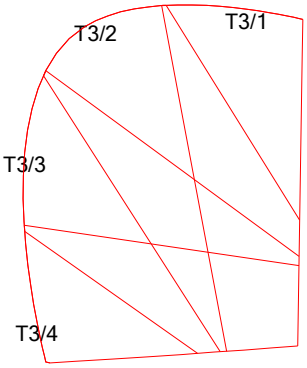


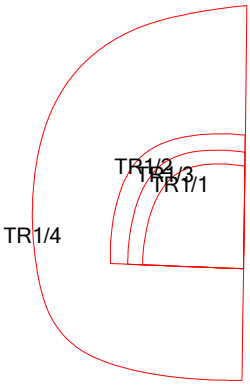


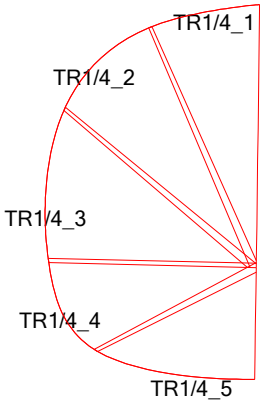


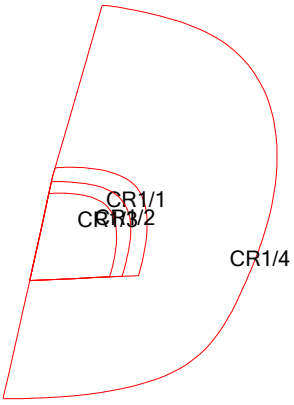


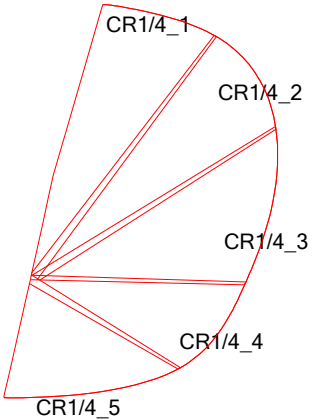


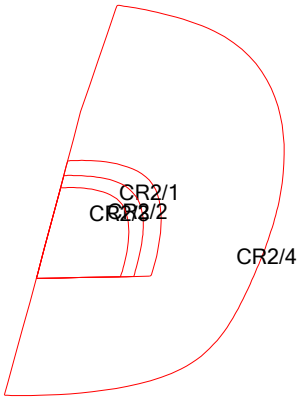


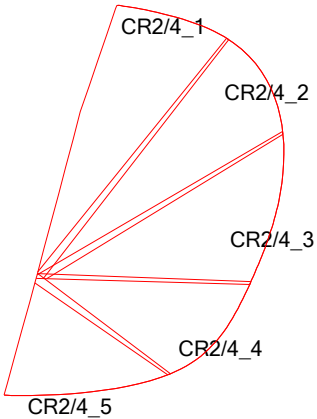
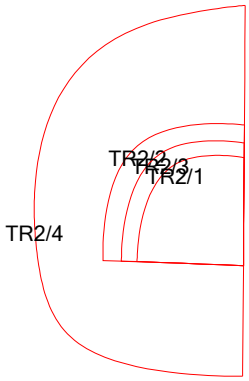
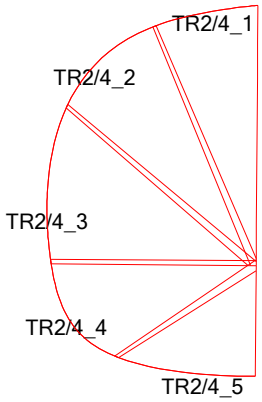












Mainsail: 3001006 Stuart carbon DP Lite skin R2