

**SPAR REQUIREMENTS**

SPAR / RIGGING ITEM	Longitudinal Inertia [cm <sup>4</sup> ]	Transverse Inertia [cm <sup>4</sup> ]	NOTES
Main Mast	9160	3161	Selden Masts - Section C365
Main Boom	2706	692	Selden Masts - Boom Section B250
Spreaders	-	-	Mastmaker Standard Section
Forward Crossbeam	-	-	Integral to Vessel Alloy Structure, not part of Rig Package
Forward Strut	-	-	Integral to Vessel Alloy Structure, not part of Rig Package
Seagull Striker	-	-	Integral to Vessel Alloy Structure, not part of Rig Package
Bow Prod	-	-	Integral to Vessel Alloy Structure, not part of Rig Package

**NOTES REGARDING SPARS:**

- (Minimum) Inertias in cm<sup>4</sup>
- Spar Extrusions to be aluminum alloy grade 6061 T6 or equivalent.
- Welded Spar fittings to be aluminum alloy grade 5083 H321 or equivalent.
- All Stainless steel to be Grade 316 L.
- Spars to be anodised or painted to owner's requirements.
- Halyards i.a.w. Mastmaker's Std. practice, appropriate to the size and type of vessel.
- Flag halyards to be provided on lower spreaders, as required by owner.
- Topmasts can be tapered i.a.w. mastmaker's standard practices.
- Mast to be wired for VHF and GPS aerials, Spreader/Deck lights, Steaming light, Tricolour, Masthead light, wind speed and direction etc. i.a.w. owner's requirements.
- OPTIONAL: Provide bracket on Mast for Radar Reflector eg. West Manne 2343069 Tr Lens 12" x 6" Radar Reflector (RA 421 0-1) or equal.
- Refer Deck Layout (Drawing # DVD/183/135) for additional items relevant to mast spec. such as halyard and boom reefing controls

**NOTES REGARDING STANDING RIGGING:**

- Rigging loads are results of the Selden Rig Analysis M2277 particular to this vessel.
- The champlates will be made from Aluminum which are typically thicker than Stainless Steel champlates. The Mastmaker / Rigger needs to supply fitting hardware (turnbuckle toggles) to suit the required size of the aluminum champlates.
- See Drawing # DVS/183/386 for more details of champlates.

**PRINCIPAL CHARACTERISTICS (@ DWL)**

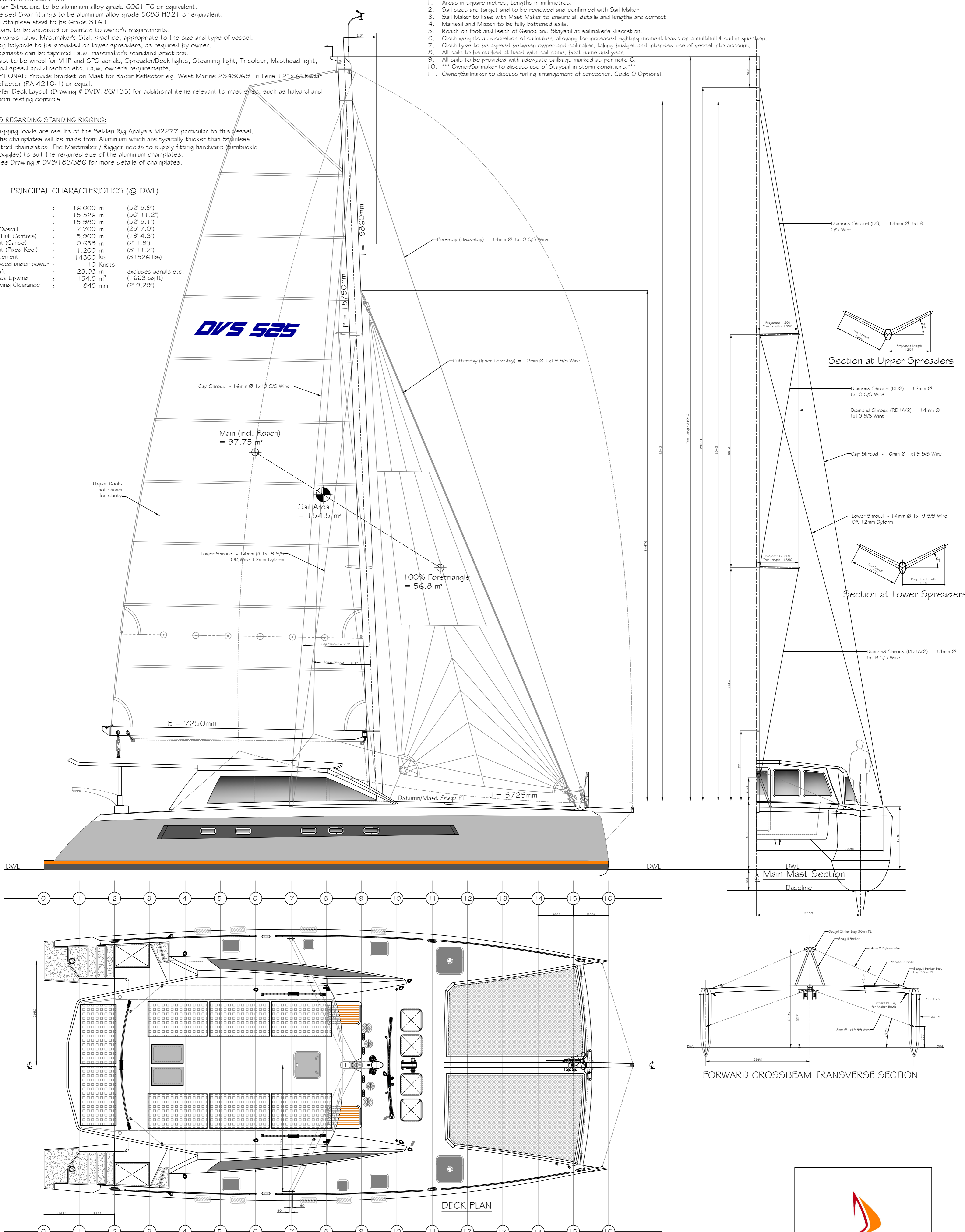
L (hull)	: 16.000 m	(52' 5.9")
LOD	: 15.526 m	(50' 11.2")
LWL	: 15.980 m	(52' 5.1")
Beam Overall	: 7.700 m	(25' 7.0")
Beam (Hull Centres)	: 5.900 m	(19' 4.3")
Draught (Canoe)	: 0.658 m	(2' 1.9")
Draught (Fixed Keel)	: 1.200 m	(3' 11.2")
Displacement	: 14300 kg	(31526 lbs)
Hull Speed under power	: 10 Knots	
Air Draft	: 23.03 m	excludes aerials etc.
Sail Area Upwind	: 154.5 m <sup>2</sup>	(1663 sq ft)
Underwing Clearance	: 845 mm	(2' 9.29")

**SAIL SCHEDULE**

SAIL	LUFF	LEECH	FOOT	L.P.	AREA	Head	NOTES
Mainsail	18750	18635	7250	7236	97.75	2520	Area includes roach. Square Top, fully battened sail, 3x Reefing positions
Furling Staysail	14860	13187	4869	4245	32.57	-	Furling Sail, UV strip on foot and leech, padded foam luff. See note*** below. Area & Dimensions include roach on foot & leech, boltrope luff for foil
Furling Genoa	20143	17510	7805	6706	70.5	-	Furling Sail, UV strip on foot and leech, padded foam luff. Area & Dimensions include roach on foot & leech, boltrope luff for foil
Screacher	22650	19590	11250	-	~150.0	-	Dimensions & Sail area dependent on performance range, T.B.D. by sailmaker
Gennaker (Code 0)	23490	19650	11280	-	~175.0	-	Dimensions & Sail area dependent on performance range, T.B.D. by sailmaker

**GENERAL NOTES:**

- Areas in square metres, Lengths in millimetres.
- Sail sizes are target and to be reviewed and confirmed with Sail Maker
- Sail Maker to liaise with Mast Maker to ensure all details and lengths are correct
- Mainsail and Mizzen to be fully battened sails.
- Roach on foot and leech of Genoa and Staysail at sailmaker's discretion.
- Cloth weights at discretion of sailmaker, allowing for increased righting moment loads on a multihull & sail in question.
- Cloth type to be agreed between owner and sailmaker, taking budget and intended use of vessel into account.
- All sails to be marked at head with sail name, boat name and year.
- All sails to be provided with adequate sailbags marked as per note 6.
- \*\*\* Owner/Sailmaker to discuss use of Staysail in storm conditions.\*\*\*
- Owner/Sailmaker to discuss furling arrangement of screacher. Code 0 Optional.



Issue	Date	Description/Modification	Checked
B	13/10/2020	Final 2020 Updates	DDV
A	06/12/2018	Issue for Construction	DDV

Title		Project		Client		Scale	
RIG & SAIL PLAN (SLOOP VERSION)		DVD 525 (16m) Sailing Catamaran		D & M Schofield		1 : 50 @ A1	
Date		Date		Drawn		Sheet	
06/08/2018		06/08/2018		DVD		1 of 1	
Issue		Issue		Issue		Issue	
DVD/226/140		DVD/226/140		DVD		B	

