

Elliott 6m Sail Rules

PART II – REQUIREMENTS AND LIMITATIONS

The **crew** and the **boat** shall comply with the rules in Part II when *racing*.

The rules in Part II are **closed class rules**. **Certification control** and **equipment inspection** shall be carried out in accordance with the ERS except where varied in this Part.

Section C – Conditions for Racing

C.1 GENERAL

C.1.1 RULES

- (a) RRS 50.4 shall not apply.
- (b) RRS Appendix G.1.3 (d) may not apply.
- (c) The ERS Part I – Use of Equipment shall apply.

C.10 SAILS

C.10.1 MODIFICATIONS, MAINTENANCE AND REPAIR

The following are permitted without re-measurement and re-**certification**.

- (a) Maintenance and repairs that do not effect compliance of any Section G measurement or construction rule.
- (b) Addition of **Flutter patches, chafing patches, batten pocket patches** camber stripes and tell tells to the **mainsail** and **headsail**.
- (c) Battens of optional material may be placed in the **batten pockets**
- (d) Vinyl, PSA Dacron or similar materials may be added to the **sails** to facilitate advertising in accordance with the ISAF Advertising Code (See ISAF Regulation 20)

C.10.2 LIMITATIONS

- (a) Not more than 1 mainsail, 1 jib, and 1 spinnaker shall be carried aboard.

C.10.3 MAINSAIL

(a) IDENTIFICATION

The national letters and sail numbers shall be positioned between the second and third **batten pockets** down from the **head** in accordance with RRS Appendix G.1.3 (a).

(b) USE

- (1) The **sail** shall be hoisted on a **halyard**. The arrangement shall permit hoisting and lowering of the **sail** whilst afloat.
- (2) The highest visible point of the **sail**, projected at 90° to the mast **spar**, shall not be set above the lower edge of the mast **upper limit mark**. The intersection of the **leech** and the top of the boom **spar**, each

extended as necessary, shall not be behind the fore side of the boom **outer limit mark**.

- (3) The **luff** bolt rope shall be in the mast sail track.
- (4) The **mainsail** shall be attached to the **boom** only at the **clew**.

C.10.4 JIB

(a) USE

- (1) The jib **luff** shall be attached to the **forestay** using hanks.
- (2) The **tack** shall be fixed to the forestay chainplate on deck.

C.10.5 SPINNAKER

(a) IDENTIFICATION

National letters and sail numbers are optional; however if fitted, shall comply with RRS Appendix G.1.2 and G.1.3 (d).

Section G – Sails

G.1 PARTS

G.1.1 MANDATORY

- (a) Mainsail
- (b) Headsail
- (c) Spinnaker

G.2 GENERAL

G.2.1 RULES

- (a) **Sails** shall comply with the **class rules** in force at the time of **certification**.

G.2.2 CERTIFICATION

- (a) The **official measurer** shall **certify** mainsails and headsails in the **tack** and spinnakers in the **head** and shall sign and date the **certification mark**.
- (b) An MNA or ISAF may appoint one or more **In-House Official Measurers** to measure and **certify sails** produced by that manufacturer.

G.2.3 SAILMAKER

- (a) The sailmaker is optional. No licence is required.

G.2.4 MODIFICATION, MAINTANCE AND REPAIR

The **sails** shall not be altered in any way except as permitted by Section C of these **class rules**. Any additional work shall require new **certification control** and re-**certification**.

G.3 MAINSAIL

G.3.1 IDENTIFICATION

- (a) The class insignia shall conform to the dimensions and requirements as detailed in the diagram in Appendix 1 and shall be positioned on both sides of the **mainsail**, between the top two **batten pockets** in accordance with RRS Appendix G.1.3 (a).

G.3.2 MATERIALS

- (a) The **ply** fibres shall consist of polyester, aramids, HMPE.
- (b) **Stiffening** shall consist of:
- (1) Cornerboards: plastic or aluminium
- (c) **Sail reinforcement** shall consist of polyester, aramids, HMPE.

G.3.3 CONSTRUCTION

- (a) The construction shall be: **soft sail, single ply sail**.
- (b) The **body of the sail** shall consist of **woven ply** and/or **laminated ply** made from one or more of the following materials: polyester, aramids, HMPE.
- (c) **Sails** made of **laminated ply** shall have a **woven ply** patch fixed at the **tack** on which the **sail** may be **certified**.
- (d) The sail shall have 4 **batten pockets** in the **leech**. The upper **batten pocket** shall extend from **leech** to **luff**.
- (e) The following are permitted: Stitching, glues, webbing, woven and PTFE tapes, bolt ropes, corner eyes, corner rings, Velcro or other fastening, Cunningham eye or block, battens, batten pocket elastic, **batten pockets**, batten retaining devices, leech line with cleat, camber bands, sail numbers, national letters and class insignia, tell tales, headboards and fixings, **certification mark**.
- (f) The **leech** shall not extend aft of straight lines between:
- (1) the **aft head point** and the intersection of the **leech** and the upper edge of the nearest **batten pocket**,
 - (2) the intersection of the **leech** and the lower edge of a **batten pocket** and the intersection of the **leech** and the upper edge of an adjacent **batten pocket** below,
 - (3) the **clew point** and the intersection of the **leech** and the lower edge of the nearest **batten pocket**.

G.3.4 DIMENSIONS

	minimum	maximum
Luff length	-	7495 mm
Leech length	-	7900 mm
Foot length	-	3140 mm
Quarter width	-	2790 mm

	minimum	maximum
Half width	-	2200 mm
Three-quarter width	-	1350 mm
Top width	-	125 mm
Primary reinforcement	-	355 mm
Secondary reinforcement:		
from sail corner measurement points	-	1065 mm
for flutter patches	-	120 mm
for chafing patches	-	300 mm
for batten pocket patches	-	300 mm
Tabling width	-	50 mm
Window area	-	1.0 m ²
Batten pocket length:		
uppermost and lowermost pocket:		
outside	-	1150mm
intermediate pockets:		
inside	-	1140mm
Batten pocket width:		
outside	-	80 mm
Head point to intersection of leech and centreline of uppermost batten pocket	1420 mm	1430 mm
Head point to intersection of luff and centreline of uppermost batten pocket	1140 mm	1150 mm
Clew point to intersection of leech and centreline of lowermost batten pocket	1600 mm	1610 mm
Distance from the head point to start of the luff bolt rope		100 mm
Distance from the tack point to start of the luff bolt rope		150 mm

G.4 HEADSAIL

G.4.1 MATERIALS

- (a) The **ply** fibres shall consist of polyester, aramids or HMPE.
- (b) **Stiffening** shall consist of:
 - (1) Corner boards: plastic or aluminium.
- (c) **Sail reinforcement** shall consist of polyester, aramids, HMPE.

G.4.2 CONSTRUCTION

- (a) The construction shall be: **soft sail, single ply sail**.
- (b) The **body of the sail** shall consist of **woven ply** and/or **laminated ply** made from one or more of the following materials: polyester, aramids, HMPE.

- (c) The sail shall have up to a maximum of 3 **batten pockets** in the **leech**. The upper **batten pocket** shall extend from **leech** to **luff**.
- (d) The following are permitted: Stitching, glues, webbing, woven tapes, twist hanks, corner eyes, corner rings, Velcro or press studs, leech line with cleat, foot line with cleat, camber bands, tell tales.
- (e) The **luff** shall have hanks attached along its length, a maximum of 650 mm apart. At least one hank shall be placed within 200 mm of the **head point** and the **tack point**.
- (f) **Windows** are permitted below **half width**.
- (g) **Sails** made of **laminated ply** shall have a **woven ply** patch fixed at the **tack** on which the **sail** may be **certified**.

G.4.3 DIMENSIONS

	minimum	maximum
Luff length	6600	6700 mm
Leech length	6050	6150 mm
Foot length	2000	2100 mm
Half width	-	960 mm
Top width	-	60 mm
Primary reinforcement		355 mm
Secondary reinforcement:		
from sail corner measurement points	-	1000 mm
for flutter patches	-	120 mm
for chafing patches	-	300 mm
for batten pocket patches	-	300 mm
Tabling width	-	50 mm
Seam width	-	40 mm
Window area	-	0.75 m ²
Batten pocket length:		
outside	-	530 mm
Batten pocket width:		
outside	-	50 mm
Head point to intersection of leech and centreline of uppermost batten pocket	1530 mm	1540mm
Clew point to intersection of leech and centreline of lowermost batten pocket	1530 mm	1540 mm

G.6 SPINNAKER

G.6.1 MATERIALS

- (a) The **body of the sail** and **secondary reinforcement** shall be of nylon **woven ply**.

- (b) **Primary reinforcement** and **tabling** may be of any nylon or polyester **woven ply**.

G.6.2 CONSTRUCTION

- (a) The construction shall be: **soft sail, single ply sail**.
 (b) The **body of the sail** shall consist of **woven ply** throughout.
 (c) Advertising may be cut into the **body of the sail**.
 (d) The following are permitted: Stitching, glues, webbing, woven tapes, corner eyes, corner rings, camber bands, sail numbers and national letters, tell tales, leech lines, luff lines, foot lines, **certification mark**.

G.6.3 DIMENSIONS

	minimum	maximum
Leech length / Luff Length	7350mm	7450 mm
Foot length	4000mm	4150 mm
Foot Median	-	8100 mm
Difference between diagonals	-	50 mm
Quarter width		4390 mm
Half width		4250 mm
Three-quarter width		2640 mm
Primary reinforcement	-	320 mm
Secondary reinforcement:		
from sail corner measurement points	-	960 mm
Tabling width	-	50 mm
Seam width	-	30 mm

MAINSAIL

JIB

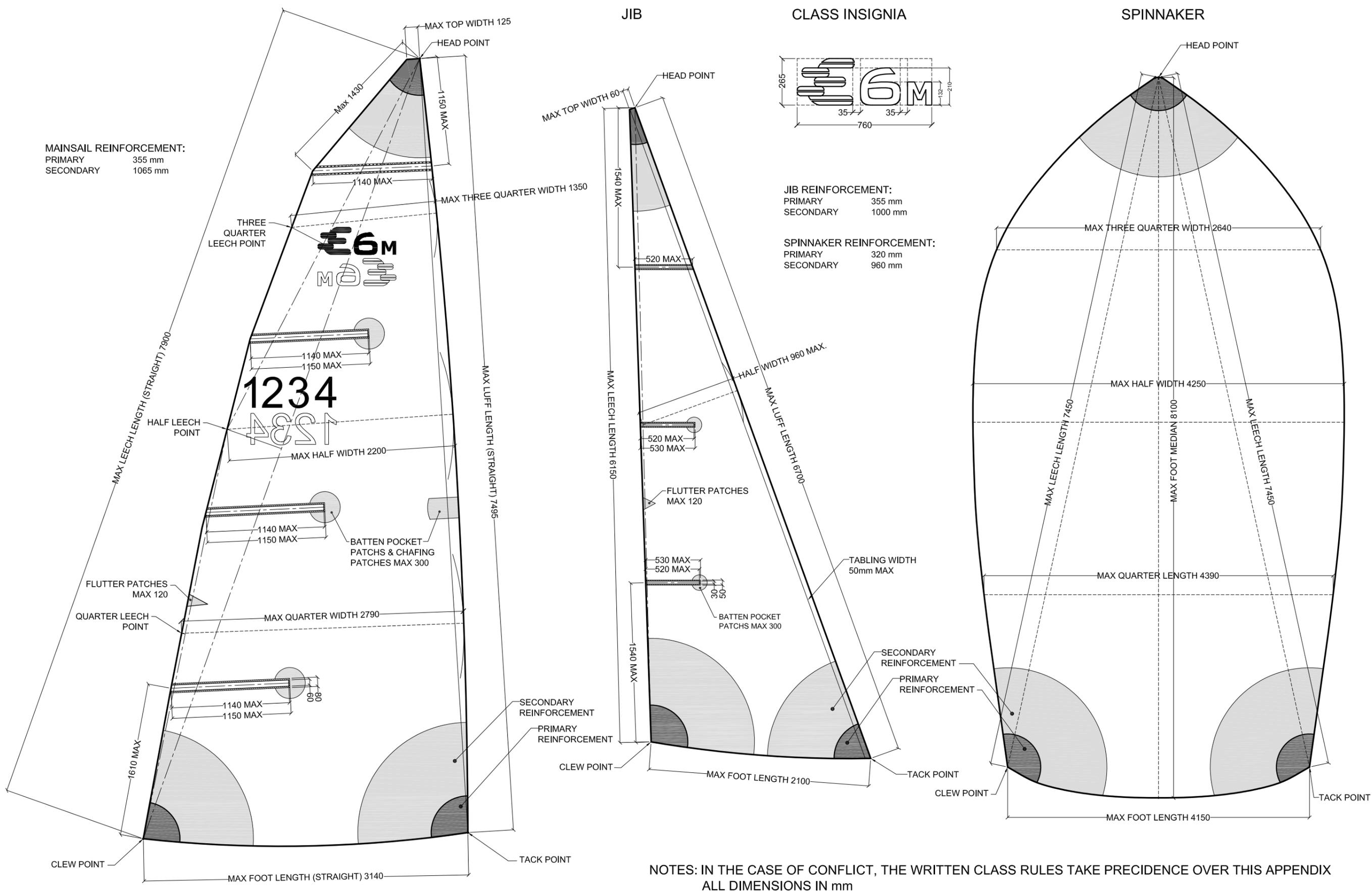
CLASS INSIGNIA

SPINNAKER

MAINSAIL REINFORCEMENT:
 PRIMARY 355 mm
 SECONDARY 1065 mm

JIB REINFORCEMENT:
 PRIMARY 355 mm
 SECONDARY 1000 mm

SPINNAKER REINFORCEMENT:
 PRIMARY 320 mm
 SECONDARY 960 mm



NOTES: IN THE CASE OF CONFLICT, THE WRITTEN CLASS RULES TAKE PRECEDENCE OVER THIS APPENDIX
 ALL DIMENSIONS IN mm



PROJECT

ELLIOTT 6m CLASS RULES

TITLE

SAIL MEASUREMENT DIAGRAM

ISSUED 19 / 03 / 09

SCALE NOT TO SCALE

JOB No E 6m

DWG No APPENDIX 1

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