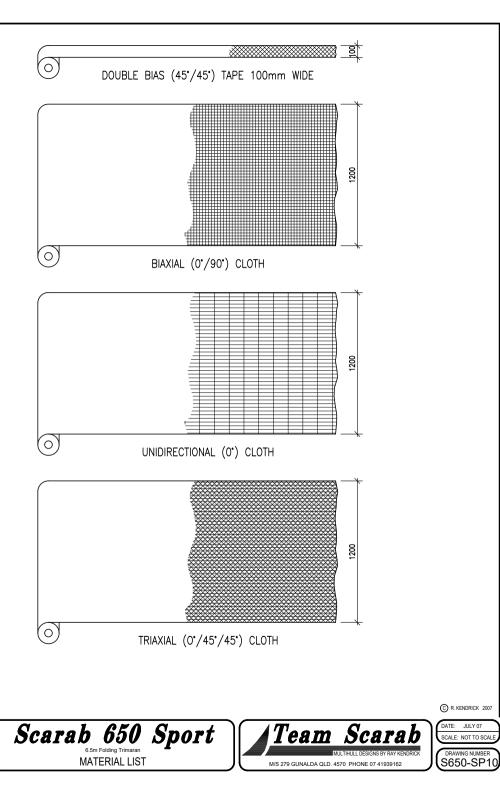
MDF or Second grade plywood	16mm	12 SHEETS
Foam	10mm 75kg/cu m (standard density)	36 SHEETS (SHEET SIZE 2170x1220
Foam	18mm 130kg/cu m (high density)	4 SHEETS (SHEET SIZE 2170x1220
Fibreglass	400gsm BIAXIAL CLOTH (1200mm WIDE)	230 lin metres
	400gsm DOUBLE BIAS TAPE (100mm WIDE)	420 lin metres
	600gsm DOUBLE BIAS CLOTH (1200mm WIDE)	12 lin metres
	900gsm UNIDIRECTIONAL CLOTH (1200mm WIDE)	15 lin metres
	750gsm TRIAXIAL CLOTH (1200mm WIDE)	10 lin metres
Peel Ply		300 lin metres
Resin	Polyester, Vinylester or Epoxy	210 litres
Filleting powder		20 kg
Sanding filler		5 kg
Lexan for windows	6mm thick tinted	2300 × 600
Paint — High build undercoat	Preferably 2 pot polyurethane	Approx 12–16 litres
Paint — Gloss top coat	Preferably 2 pot polyurethane	Approx 12 litres
Folding system	Laser cut aluminium 5083 Alloy, H321 Temper	
Pivot pins	(Allow approx \$1300 AUD) 6061 Alloy T6 Temper (Allow approx \$100 AUD)	
Aluminium flat bar 25mm x 6mm	For backing plates	2 lin metres
Sikaflex sealant		2 cylinders
Various fabricated & standard fittings	(eg Ronstan)	
Various nuts, bolts & screws		
Consumables	Gloves Paper towels Mixing jugs & cups Measuring pumps for epoxy Mixing sticks Solvent for cleaning – acetone for polyester or vi –white vinegar for epoxy Brushes Sanding disks Sand paper Gyprok (dry wall) screws (for temporary assembly)	
Several hole saws 100mm Angle Grinder Rubber backed sanding disk for grind Random Orbital Sander (pref 150mm Files & Rasp Ruler 8 metre measuring tape Square	dia) y be home made or modified putty knives or plaster stic Gyprok filler spreaders work well	rer's tools.



PHOTOCOPIER SCALE UP A4 DRAWING BY 1.414 TO OBTAIN A3 SIZE

MAIN	HULL COMPONENTS	
COMPONENT	MATERIAL	
HULL PANELS *	6mm PLY COVERED BOTH SIDES WITH 300gsm DOUBLE BIAS CLOTH	
BULKHEADS	9mm PLY (UNCOVERED)	
PARTIAL BULKHEADS	9mm PLY (UNCOVERED)	
SHELF **	9mm PLY (UNCOVERED)	
SETTEE RISERS	9mm PLY (UNCOVERED)	
CENTREBOARD CASE	9mm PLY (UNCOVERED)	
COCKPIT SEAT RISERS	6mm PLY COVERED BOTH SIDES WITH 300gsm DOUBLE BIAS CLOTH	
COCKPIT SEATS	6mm PLY COVERED BOTH SIDES WITH 300gsm DOUBLE BIAS CLOTH	
CABIN SIDES	6mm PLY COVERED BOTH SIDES WITH 300gsm DOUBLE BIAS CLOTH	
DECK	6mm PLY COVERED BOTH SIDES WITH 300gsm DOUBLE BIAS CLOTH	
НАТСН	6mm PLY COVERED BOTH SIDES WITH 300gsm DOUBLE BIAS CLOTH	
300gsm DOUBLE E ** SHELF COMPRISES PANELS TO BE TAPED I (45'/45') TAPE x 100m & RISERS TO BE FILLET	HAVE 1 EXTRA LAYER OF HAS CLOTH ON THE OUTSIDE BUNK/SETTEE TOPS AND COCKPIT FLOOR NSIDE & OUTSIDE WITH 400gsm DOUBLE BIAS Im WIDE. ALL BULKHEADS, PARTIAL BULKHEADS HED & TAPED TO HULL PANELS BOTH SIDES BIAS TAPE x 100mm WIDE.	
	FLOAT HULLS	
COMPONENT	MATERIAL	
HULL PANELS *	6mm PLY COVERED BOTH SIDES WITH 300gsm DOUBLE BIAS CLOTH	
BULKHEADS 2 & 5	9mm PLY (UNCOVERED)	
DECK **	6mm PLY COVERED BOTH SIDES WITH 300gsm DOUBLE BIAS CLOTH	
BULKHEADS 4A,4B		

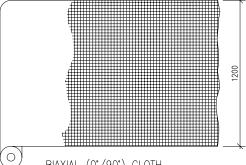
	DE	UN ተተ	WITH 300gsm DOUBLE BIAS CLOTH	
	BULKHEADS 4A,4B 8A & 8B		9mm PLY FILLETED & TAPED TO HULL PANELS BOTH SIDES WITH 2 LAYERS 400gsm	
		AM MOUNTING APHRAGMS	DOUBLE BIAS (45'/45') TAPE x 100mm WIDE	
	* BOTTOM PANEL TO HAVE 1 EXTRA LAYER OF 400gsm BIAXIAL ON THE OUTSIDE			
	**	** DECK PANEL TO BE INITIALLY LAMINATED ON THE UNDERSIDE SURFACE WITH 300gsm DOUBLE BIAS CLOTH. PANEL THEN FITTED & GLUED TO SHEER ANGLES, BULKHEADS & STRINGER. TOP OF PANEL THEN LAMINATED WITH 300gsm DOUBLE BIAS CLOTH.		
5 FIBRECLASS INSIDE OF STEM 6 FILLET & TAPE IN ALL BULKH 7 FILLET & TAPE IN BEAM MOU 8 GLUE FIBREGLASS ANGLES TO 9 GLUE & FILLET IN DECK STRI 10 CUT EXCESS OFF SIDE & CH 11 CUT DECK PANEL, CHECK LO 12 DRY FIT DECK AND MAKE AND STRAPS TO HOLD WHILE GLUE		AN UP JOINTS REMOVING JOINTS WITH FILLER & R EALL HULL JOINTS INSIDE REGLASS INSIDE OF STEM LET & TAPE IN BEAM MOUT IF IRBRECLASS ANGLES TO IF IRBRECLASS ANGLES TO IE & FILLET IN DECK STRII EXCESS OFF SIDE & CHI DECK PANEL, CHECK LOC FIT DECK AND MAKE ANY APS TO HOLD WHILE GLUE	DUND OFF. WITH 100mm WIDE 400gsm DOUBLE BIAS FIBREGLASS TAPE SAPE DETAIL TADS TING DUPHRAGMS BETWEEN BULKHEADS 4A 4B & 8A 8B SHEER LINE, HOLDING WITH TEMPORARY SCREWS. QGERS. WE PANELS AT STERN & GLUE IN TRANSOM ATION OF BEAM OFENINGS & CAREFULLY CUT. ADJUSTMENTS REQUIRED, GLUE DECK DOWN USING	

MDF or Second grade plywood	16mm	12 SHEETS				
Plywood	6mm Gaboon (Okume) or Pacific Maple	34 SHEETS (SHEET SIZE 2400x1220)				
	9mm Gaboon (Okume) or Pacific Maple	4 SHEETS (SHEET SIZE 2400x1220)				
	12mm Gaboon (Okume) or Pacific Maple	4 SHEETS (SHEET SIZE 2400x1220)				
Fibreglass	300gsm BIAXIAL CLOTH (1200mm WIDE)	185 lin metres				
	400gsm DOUBLE BIAS TAPE (100mm WIDE)	420 lin metres				
	400gsm DOUBLE BIAS CLOTH (1200mm WIDE)	5 lin metres				
	600gsm DOUBLE BIAS CLOTH (1200mm WIDE)	10 lin metres				
	900gsm UNIDIRECTIONAL CLOTH (1200mm WIDE)	15 lin metres				
	750gsm TRIAXIAL CLOTH (1200mm WIDE)	10 lin metres				
Peel Ply		200 lin metres				
Resin	Ероху	200 litres				
Filleting powder		20 kg				
Sanding filler		5 kg				
Lexan for windows	6mm thick tinted	2300 x 600				
Paint — High build undercoat	Preferably 2 pot polyurethane	Approx 12-16 litres				
Paint — Gloss top coat	Preferably 2 pot polyurethane	Approx 12 litres				
Folding system	Laser cut aluminium 5083 Alloy, H321 Temper					
Pivot pins	(Allow approx \$1300 AUD) 6061 Alloy T6 Temper (Allow approx \$100 AUD)					
Aluminium flat bar 25mm x 6mm	For backing plates	2 lin metres				
Sikaflex sealant		2 cylinders				
Various fabricated & standard fittings	(eg Ronstan)					
Various nuts, bolts & screws						
Consumables	inylester )					
Gyprok (dry wall) screws (for temporary assembly)   TOOLS REQUIRED   Jig Saw   Drill & Drill bits Best to have both mains power and cordless.   Several hole saws 100 mm Angle Grinder   Rubber backed sanding disk for grinder For cutting thick fibreglass eg trimming beam flanges   Random Orbital Sander (pref 150mm dia) Files & Rasp   Ruler 8 metre measuring tape   Square Filleting tools   May be home made or modified putty knives or plasterer's tools.   Spreader (for fairing compound) Plastic Gyprok filler spreaders work well   Scenet (sometimes called a box cutter) Scissors   Laminating tables 3 sheets 16mm plywood (second grade) covered with plastic. May be supported on sawhorses.   Saw horses Standard saw horses or the folding clamping cheapies. (The legs can be shortened if required)						
PHOTOCOPIE SCALE UP A4 DRAI	VING BY	<b>b</b> 650 Sport a.5m Folding Trimaran DETAILS & MATERIAL LIST				

PLYWOOD DETAILS & MATERIAL LIST

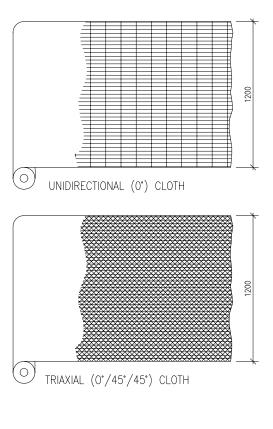
SCALE UP A4 DRAWING BY 1.414 TO OBTAIN A3 SIZE

DOUBLE BIAS (45°/45°) TAPE	



BIAXIAL (0°/90°) CLOTH

 $\overline{\bigcirc}$ 



Team Scarab

M/S 279 GUNALDA QLD. 4570 PHONE 07 41939162

C R. KENDRICK 2007 DATE: JULY 07

SCALE: NOT TO SCALE

DRAWING NUMBER