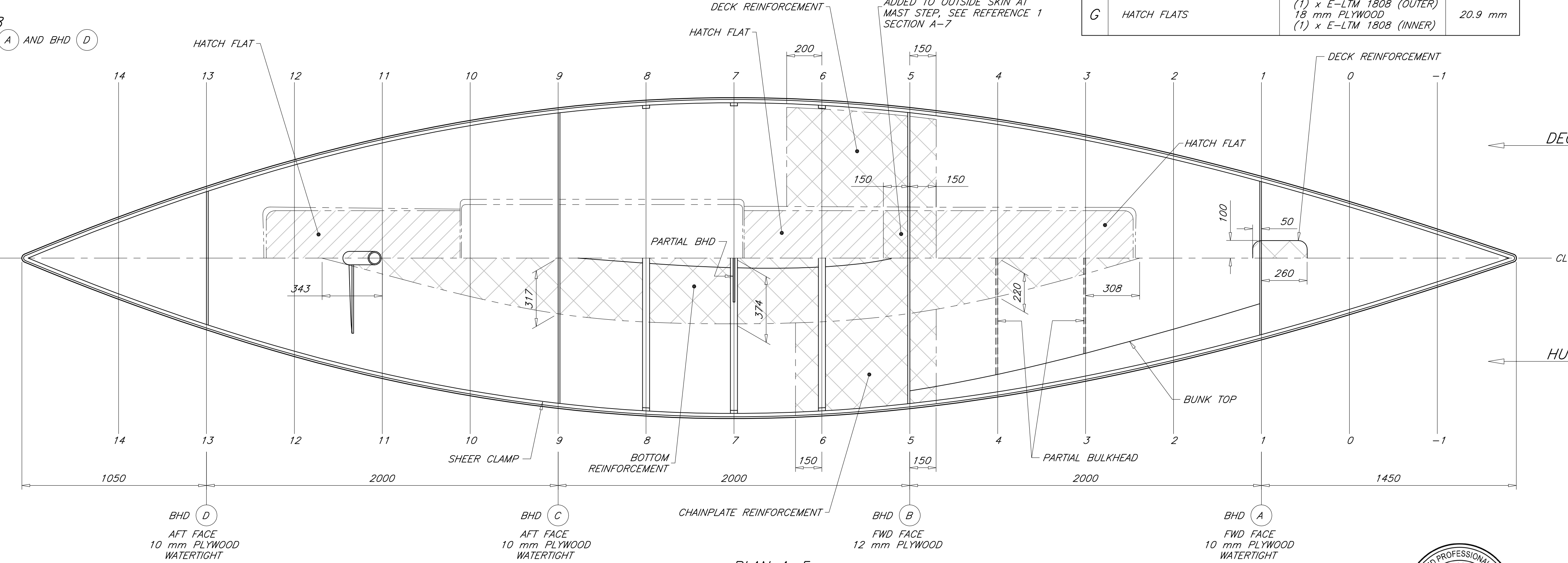
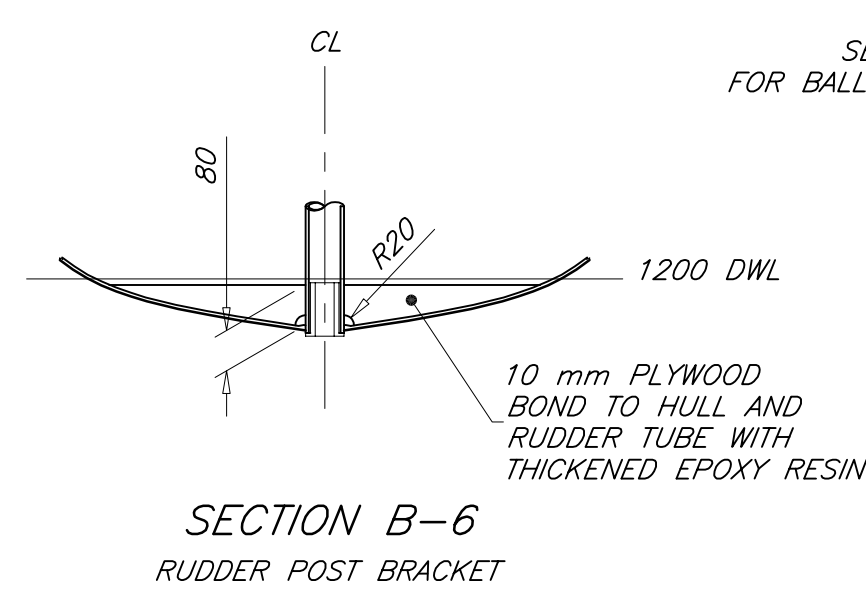
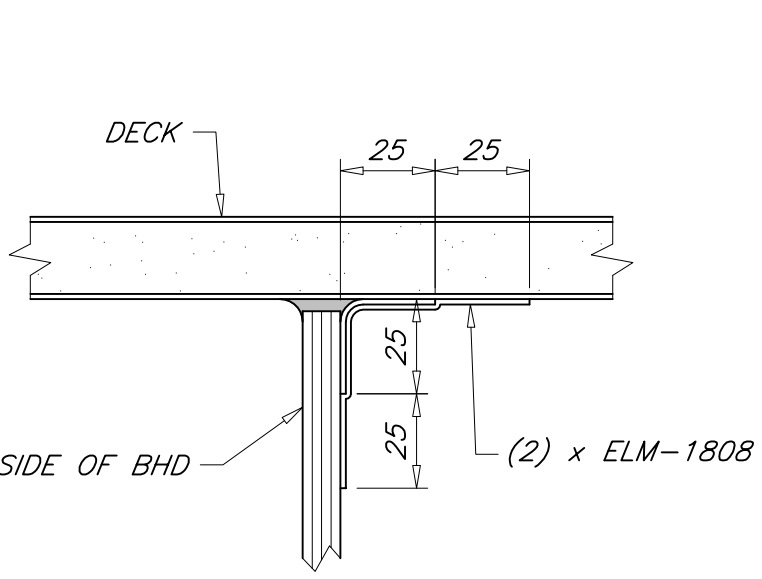
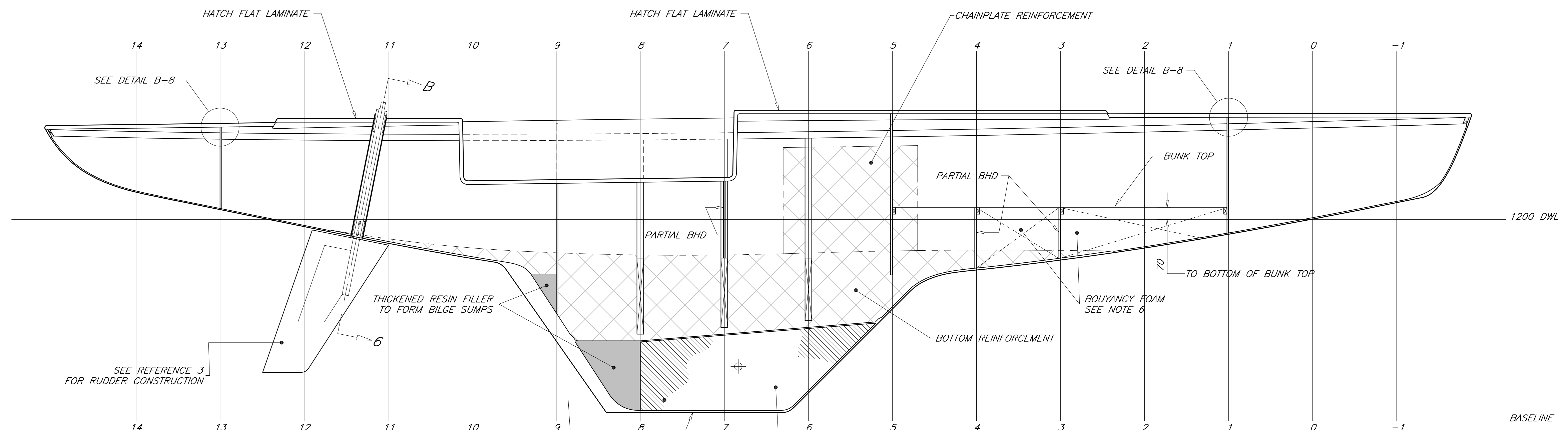


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
ALL	-	ORIGINAL ISSUE	09 FEB 10	P. KOTZEBUE
ALL	A	GENERAL DESIGN UPDATE	02 SEP 10	P. KOTZEBUE



- MATERIAL NOTES**
- E-LTM 1808 IS VECTOR PLY E-LTM 1808 E GLASS 0/90 BI-AXIAL WITH MAT FABRIC. 608 g/m<sup>2</sup> (18 oz/yd<sup>2</sup>) ROWING + 275 g/m<sup>2</sup> (0.9 oz/ft<sup>2</sup>) MAT  
 MIN TENSILE STRENGTH OF CURED LAMINATE = 135 MPa (19,600 psi)  
 MIN FLEXURAL STRENGTH OF CURED LAMINATE = 189 MPa (27,400 psi)  
 THICKNESS = 1.43 mm (0.056") PER PLY  
 FIBER CONTENT = 40%
  - E-LTM 2408 IS VECTOR PLY E-LTM 2408 E GLASS 0/90 BI-AXIAL WITH MAT FABRIC. 813 g/m<sup>2</sup> (24 oz/yd<sup>2</sup>) ROWING + 275 g/m<sup>2</sup> (0.9 oz/ft<sup>2</sup>) MAT  
 MIN TENSILE STRENGTH OF CURED LAMINATE = 141 MPa (20,400 psi)  
 MIN FLEXURAL STRENGTH OF CURED LAMINATE = 193 MPa (28,000 psi)  
 THICKNESS = 1.71 mm (0.067") PER PLY  
 FIBER CONTENT = 42%
  - E-M 0010 IS VECTOR PLY E-M 0010 E GLASS CHOPPED STRAND MAT 305 g/m<sup>2</sup> (1.0 oz/ft<sup>2</sup>) MAT
  - CORE CELL A-500 IS ATC CHEMICALS CORE CELL STRUCTURAL FOAM.  
 DENSITY = 80 kg/m<sup>3</sup> (5.5 lb/ft<sup>3</sup>)  
 SHEAR STRENGTH = 0.98 MPa (142 psi)  
 TENSILE STRENGTH = 1.64 MPa (238 psi)
  - PLYWOOD IS OKOLME MARINE GRADE PLYWOOD MEETING BRITISH STANDARD SPECIFICATION FOR MARINE PLYWOOD BS 1088.  
 MINIMUM MODULUS OF RUPTURE = 40 MPa (5,800 psi)  
 MINIMUM MODULUS OF ELASTICITY = 4,500 MPa (652,500 psi)
  - FILL BOUYANCY COMPARTMENTS WITH TWO PART LIQUID EXPANDING URETHANE FOAM. FOAM DENSITY = 32 kg/m<sup>3</sup> (2 lb/ft<sup>3</sup>). FOAM TO COMPLY WITH U.S. COAST GUARD REGULATION 33 CFR 183.114.
  - EQUIVALENT MATERIALS FROM OTHER MANUFACTURERS MAY BE USED IN LIEU OF VECTOR PLY OR ATC CHEMICALS PRODUCTS.

**LAMINATE SCHEDULE**

REGION	LAYUP	THICK
A	HULL (4) x E-LTM 2408	6.8 mm
B	BOTTOM REINFORCEMENT "A" + (2) x E-LTM 2408	10.2 mm
C	CHAINPLATE REINFORCEMENT "A" + (2) x E-LTM 2408	10.2 mm
D	BOTTOM OF KEEL "B" + (2) x E-LTM 2408	13.6 mm
E	DECK AND COCKPIT (1) x E-LTM 1808 (OUTER) 3/4" (19.0 mm) A500 (1) x E-LTM 1808 (INNER)	21.9 mm
F	DECK REINFORCEMENT (2) x E-LTM 1808 (OUTER) 3/4" (19.0 mm) A500 (2) x E-LTM 1808 (INNER)	25.3 mm
G	HATCH FLATS (1) x E-LTM 1808 (OUTER) 18 mm PLYWOOD (1) x E-LTM 1808 (INNER)	20.9 mm

DECK FRAMING

HULL FRAMING

**GENERAL NOTES**

- SEE REFERENCE 2 FOR FRAME AND FLOOR LAMINATE SCHEDULE.
- SEE REFERENCE 2 FOR HULL TO DECK CONNECTION DETAILS.
- BOUYANCY FOAM IS TWO PART LIQUID EXPANDING URETHANE FOAM. FOAM DENSITY = 32 kg/m<sup>3</sup> (2 lb/ft<sup>3</sup>). FOAM TO COMPLY WITH U.S. COAST GUARD REGULATION 33 CFR 183.114.
- ALL EXPOSED PLYWOOD MUST BE SEALED WITH EPOXY RESIN.
- THIS DESIGN DOES NOT COMPLY WITH THE SSKF RULES FOR SKERRY CRUISERS (SQUARE METER YACHTS).

NO	TITLE	DWG NO
3	KEEL AND RUDDER DETAILS	06-A3
2	CONSTRUCTION DETAILS	06-C3
1	CONSTRUCTION SECTIONS	06-C2

REFERENCES	
STOCK PLANS	
8.50 METER SKERRY CRUISER	
FRAMING PLAN	

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DRAFTER	DATE	SIZE	DWG NO.	REV.
PK	09 FEB 10	ARCH D	06-C1	-
CHECKER	DATE	SCALE	SWBS	SHEET
PK	09 FEB 10	1 : 15	--	1 OF 1