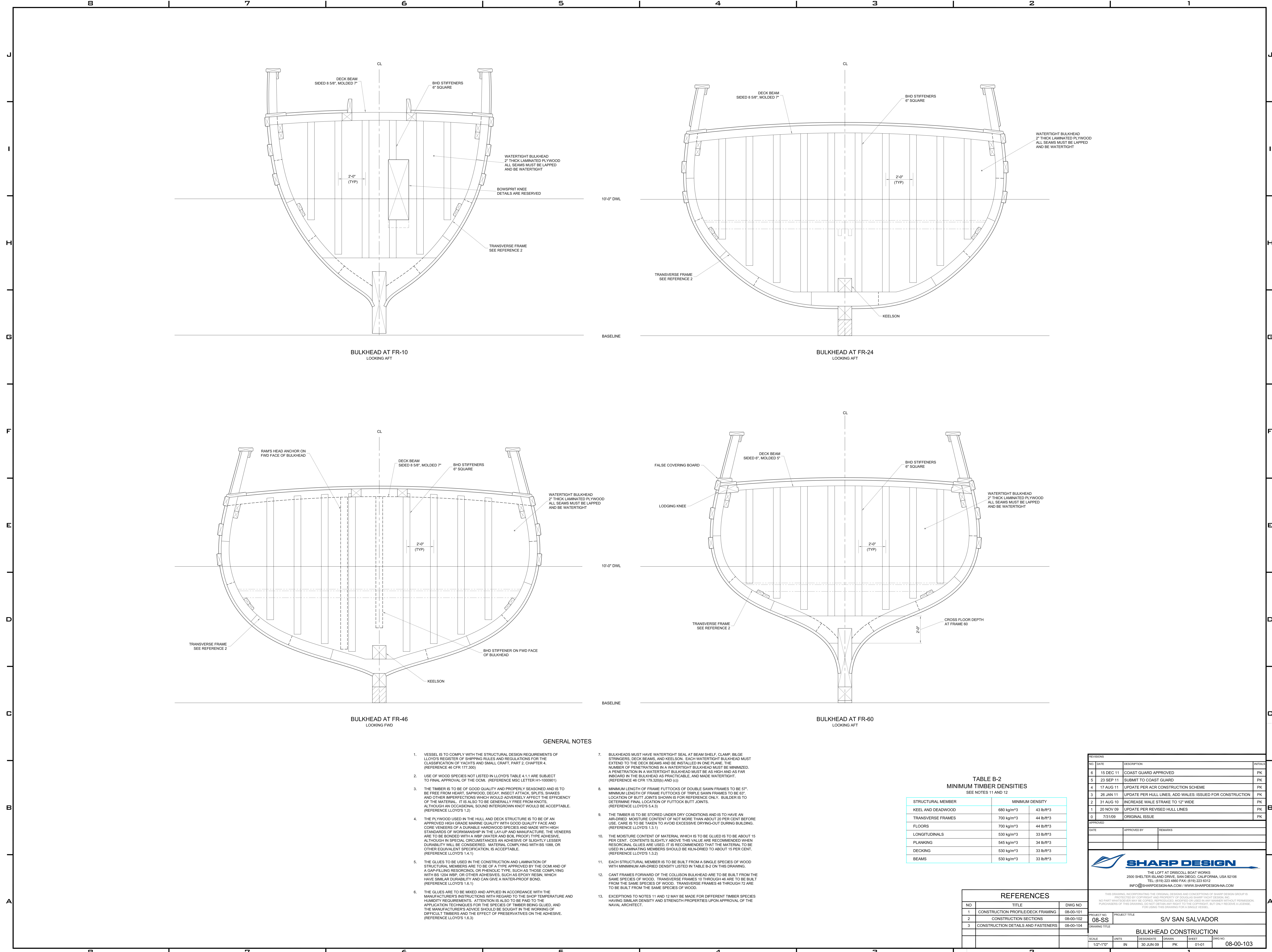




GENERAL NOTES

- VESSEL IS TO COMPLY WITH THE STRUCTURAL DESIGN REQUIREMENTS OF LLOYD'S REGISTER OF SHIPPING RULES AND REGULATIONS FOR THE CLASSIFICATION OF YACHTS AND SMALL CRAFT, PART 2, CHAPTER 4. (REFERENCE 46 CFR 177.300)
- USE OF WOOD SPECIES NOT LISTED IN LLOYD'S TABLE 4.1.1 ARE SUBJECT TO FINAL APPROVAL OF THE OCMI. (REFERENCE MSC LETTER H1-1000001)
- THE TIMBER IS TO BE OF GOOD QUALITY AND PROPERLY SEASONED AND IS TO BE FREE FROM HEART, SAWWOOD, DECAY, INSECT ATTACK, SPLITS, SHAKES AND OTHER IMPERFECTIONS WHICH WOULD ADVERSELY AFFECT THE EFFICIENCY OF THE MATERIAL. IT IS ALSO TO BE GENERALLY FREE FROM KNOTS, ALTHOUGH AN OCCASIONAL SOUND INTERGROWN KNOT WOULD BE ACCEPTABLE. (REFERENCE LLOYD'S 1.2)
- THE PLYWOOD USED IN THE HULL AND DECK STRUCTURE IS TO BE OF AN APPROVED HIGH GRADE MARINE QUALITY WITH GOOD QUALITY FACE AND CORE VENEERS OF A DURABLE HARDWOOD SPECIES AND MADE WITH HIGH STANDARDS OF WORKMANSHIP IN THE LAY-UP AND MANUFACTURE. THE VENEERS ARE TO BE BONDED WITH A WBP (WATER AND BOIL PROOF) TYPE ADHESIVE, ALTHOUGH IN SPECIAL CIRCUMSTANCES AN ADHESIVE OF SLIGHTLY LESSER DURABILITY WILL BE CONSIDERED. MATERIAL COMPLYING WITH BS 1088, OR OTHER EQUIVALENT SPECIFICATION, IS ACCEPTABLE. (REFERENCE LLOYD'S 1.4.1)
- THE GLUES TO BE USED IN THE CONSTRUCTION AND LAMINATION OF STRUCTURAL MEMBERS ARE TO BE OF A TYPE APPROVED BY THE OCMI AND OF A GAP-FILLING RESORCINOL OR PHENOLIC TYPE, SUCH AS THOSE COMPLYING WITH BS 1294 WBP, OR OTHER ADHESIVES, SUCH AS EPOXY RESIN, WHICH HAVE SIMILAR DURABILITY AND CAN GIVE A WATER-PROOF BOND. (REFERENCE LLOYD'S 1.6.1)
- THE GLUES ARE TO BE MIXED AND APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS WITH REGARD TO THE SHOP TEMPERATURE AND HUMIDITY REQUIREMENTS. ATTENTION IS ALSO TO BE PAID TO THE APPLICATION TECHNIQUES FOR THE SPECIES OF TIMBER BEING GLUED, AND THE MANUFACTURER'S ADVICE SHOULD BE SOUGHT IN THE WORKING OF DIFFICULT TIMBERS AND THE EFFECT OF PRESERVATIVES ON THE ADHESIVE. (REFERENCE LLOYD'S 1.6.3)
- BULKHEADS MUST HAVE WATERTIGHT SEAL AT BEAM SHELF, CLAMP, BILGE STRINGERS, DECK BEAMS, AND KEELSON. EACH WATERTIGHT BULKHEAD MUST EXTEND TO THE DECK BEAMS AND BE INSTALLED IN ONE PLANE. THE NUMBER OF PENETRATIONS IN A WATERTIGHT BULKHEAD MUST BE MINIMIZED. A PENETRATION IN A WATERTIGHT BULKHEAD MUST BE AS HIGH AND AS FAR INBOARD IN THE BULKHEAD AS PRACTICABLE, AND MADE WATERTIGHT. (REFERENCE 46 CFR 173.3200) AND (ii).
- MINIMUM LENGTH OF FRAME FUTLOCKS OF DOUBLE SAWN FRAMES TO BE 57". MINIMUM LENGTH OF FRAME FUTLOCKS OF TRIPLE SAWN FRAMES TO BE 63". LOCATION OF BUTT JOINTS SHOWN IS FOR REFERENCE ONLY. BUILDER IS TO DETERMINE FINAL LOCATION OF FUTLOCK BUTT JOINTS. (REFERENCE LLOYD'S 5.4.3)
- THE TIMBER IS TO BE STORED UNDER DRY CONDITIONS AND IS TO HAVE AN AIR-DRIED MOISTURE CONTENT OF NOT MORE THAN ABOUT 20 PER CENT BEFORE USE. CARE IS TO BE TAKEN TO AVOID EXCESSIVE DRYING-OUT DURING BUILDING. (REFERENCE LLOYD'S 1.3.1)
- THE MOISTURE CONTENT OF MATERIAL WHICH IS TO BE GLUED IS TO BE ABOUT 15 PER CENT. CONTENTS SLIGHTLY ABOVE THIS VALUE ARE RECOMMENDED WHEN RESORCINOL GLUES ARE USED. IT IS RECOMMENDED THAT THE MATERIAL TO BE USED IN LAMINATING MEMBERS SHOULD BE KILN-DRIED TO ABOUT 15 PER CENT. (REFERENCE LLOYD'S 1.3.2)
- EACH STRUCTURAL MEMBER IS TO BE BUILT FROM A SINGLE SPECIES OF WOOD WITH MINIMUM AIR-DRIED DENSITY LISTED IN TABLE B-2 ON THIS DRAWING.
- CANT FRAMES FORWARD OF THE COLLISION BULKHEAD ARE TO BE BUILT FROM THE SAME SPECIES OF WOOD. TRANSVERSE FRAMES 10 THROUGH 46 ARE TO BE BUILT FROM THE SAME SPECIES OF WOOD. TRANSVERSE FRAMES 48 THROUGH 12 ARE TO BE BUILT FROM THE SAME SPECIES OF WOOD.
- EXCEPTIONS TO NOTES 11 AND 12 MAY BE MADE FOR DIFFERENT TIMBER SPECIES HAVING SIMILAR DENSITY AND STRENGTH PROPERTIES UPON APPROVAL OF THE NAVAL ARCHITECT.

TABLE B-2
MINIMUM TIMBER DENSITIES
SEE NOTES 11 AND 12

STRUCTURAL MEMBER	MINIMUM DENSITY	
KEEL AND DEADWOOD	680 kg/m³	43 lb/ft³
TRANSVERSE FRAMES	700 kg/m³	44 lb/ft³
FLOORS	700 kg/m³	44 lb/ft³
LONGITUDINALS	530 kg/m³	33 lb/ft³
PLANKING	545 kg/m³	34 lb/ft³
DECKING	530 kg/m³	33 lb/ft³
BEAMS	530 kg/m³	33 lb/ft³

REFERENCES

NO	TITLE	DWG NO
1	CONSTRUCTION PROFILE/DECK FRAMING	08-00-101
2	CONSTRUCTION SECTIONS	08-00-102
3	CONSTRUCTION DETAILS AND FASTENERS	08-00-104

REVISIONS		
NO	DATE	DESCRIPTION
6	15 DEC 11	COAST GUARD APPROVED
5	23 SEP 11	SUBMIT TO COAST GUARD
4	17 AUG 11	UPDATE PER ACR CONSTRUCTION SCHEME
3	26 JAN 11	UPDATE PER HULL LINES, ADD WALES: ISSUED FOR CONSTRUCTION
2	31 AUG 10	INCREASE WALE STRAKE TO 12" WIDE
1	20 NOV 09	UPDATE PER REVISED HULL LINES
0	7/31/09	ORIGINAL ISSUE

DATE	APPROVED BY	REMARKS



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PROJECT NO. 08-SS		PROJECT TITLE S/V SAN SALVADOR				
DRAWING TITLE BULKHEAD CONSTRUCTION						
SCALE	UNITS	DESIGNATE	DRAWN	SHEET	DWG NO.	
1/2"-1"0"	IN	30 JUN 09	PK	01-01	08-00-103	