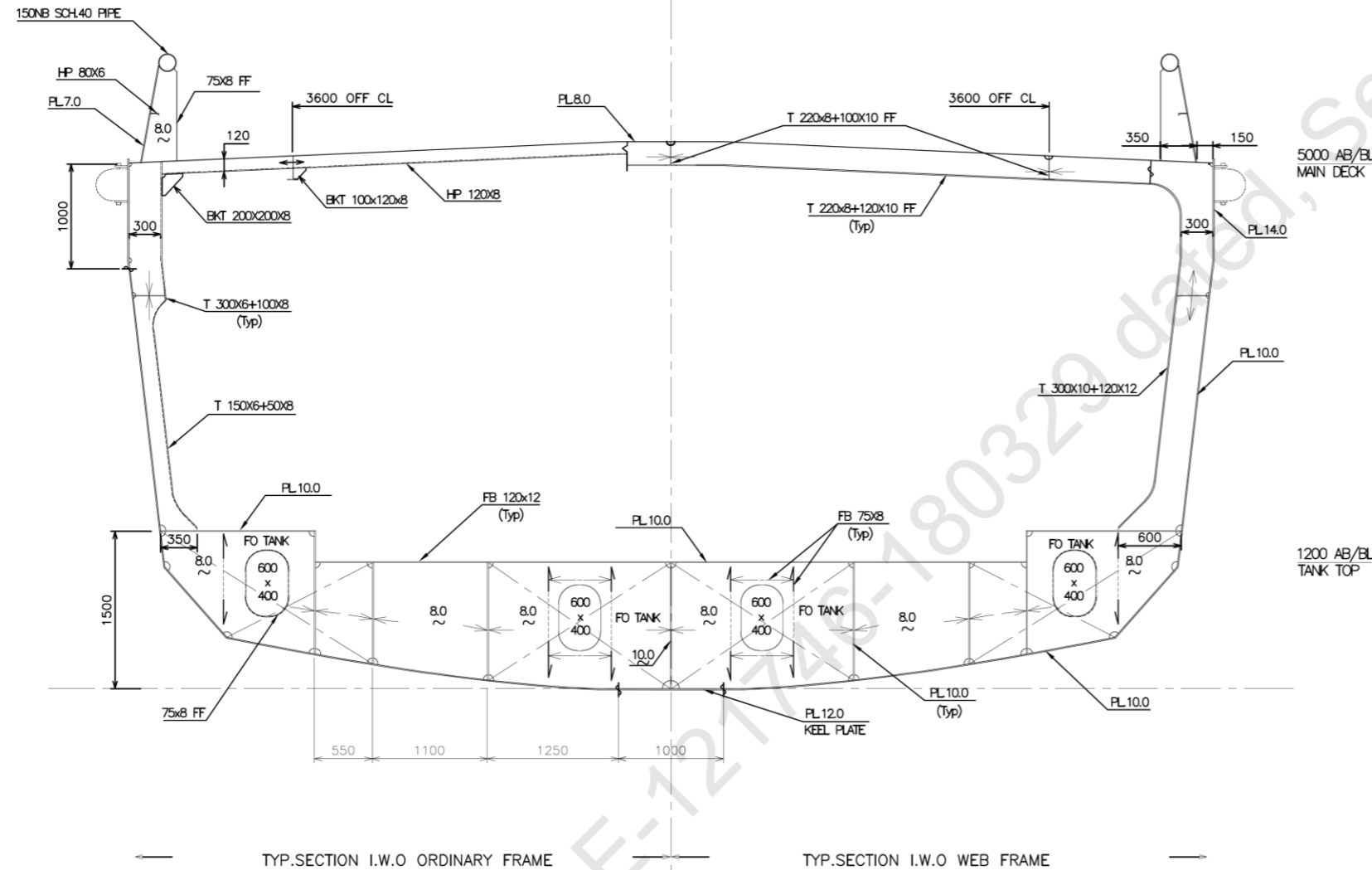


DESIGN BM & SF

STILL WATER BENDING MOMENT
 SAGGING - 1588 kNm
 HOGGING - 2516 kNm
 STILL WATER SHEAR FORCE - 421 kN

NOTE

1. MATERIAL: ALL PLATES & STIFFENERS ARE TO BE IRS GRADE A STEEL/EQUIVALENT.
2. ALL DIMENSIONS ARE IN mm. (EXC. NOTED)
3. THIS DRAWING CONTAINS INDICATIVE SCANTLINGS FOR IN PRINCIPLE APPROVAL FROM CLASS. THIS DOES NOT PRECLUDE THE USE OF ALTERNATE STRUCTURAL ARRANGEMENT / PLATE-THICKNESS / STIFFENERS BY THE RESPECTIVE BUILDER FOR THEIR VESSEL. THESE ARE TO BE APPROVED BY THE CLASS PRIOR TO CONSTRUCTION.
4. EQUIVALENT ANGLE SECTIONS MEETING REQUISITE SECTION MODULUS MAY BE GIVEN IN LIEU OF BULB FLATS (HP).
5. IT IS RECOMMENDED TO USE ROUND RODS IN WAY OF HULL CHINES.
6. ALL DETAILING INCLUDING WELDING DETAILS AND CONNECTION DETAILS OF GIRDERS, BRACKETS, STIFFENERS, PILLARS, SCALLOPS, OPENINGS FOR DOORS & WINDOWS, HATCHES ETC. ARE TO BE SUBMITTED TO CLASS BY THE RESPECTIVE BUILDER.
7. SUPPORTING STRUCTURE I.W.O DECK FITTINGS FOR ANCHORING, MOORING, TOWING, CRANES ETC. ARE TO BE SUBMITTED SEPARATELY TO CLASS FOR THEIR APPROVAL.
8. SEPARATE STRUCTURAL DRAWINGS OF BOTTOM STRUCTURE, SIDE SHELL, BULKHEADS, TRANSVERSE SECTIONS, LONGITUDINAL SECTIONS, FORE END CONSTRUCTION, AFT END CONSTRUCTION, BOLTED HATCH CONSTRUCTION, SUPERSTRUCTURE, ENGINE FOUNDATION, BULWARK, SKEG, FENDER, CHAIN LOCKER OR ANY OTHER DETAILS REQUIRED FOR APPROVAL BY CLASS SHALL BE PREPARED AND SUBMITTED BY RESPECTIVE BUILDERS PRIOR TO CONSTRUCTION.



MAIN PARTICULARS

LENGTH O.A	.....	abt 32.00 [m]
LENGTH B.P	.....	abt 30.80 [m]
BREADTH (MLD)	.....	abt 10.50 [m]
DEPTH (MLD)	.....	abt 5.00 [m]
DRAFT (HULL)	.....	abt 3.70 [m]
SCANTLING DRAFT	.....	abt 4.50 [m]
COMPLEMENT	.....	10 PERSONS
BOLLARD PULL	.....	50 T @100% MCR
INSTALLED POWER	.....	abt 3000 [kW]
CLASS NOTATION	.....	SWASTIKA SUL, SWASTIKA IY, TUG, INDIAN RIVER SEA VESSEL TYPE - 4

SEE LETTER E-121746-180329

REVIEWED



12-SEP-2021

PLAN ENDORSED FOR IN-PRINCIPLE APPROVAL

Rev. I	30-Aug-2021	For publishing on IPA website	AAB/VR	ABK	HUR
No:	Date	Description	Drawn	Checked	Approved
ASTDS		50T BP HARBOUR TUG			
Design No: CT3250		TITLE MIDSHIP SECTION			
COCHIN SHIPYARD LIMITED P.O. Bag 1653, COCHIN-682015, INDIA		1:60	A3	CT3250	CT3250-200-003
		Scale	Format	Project No.	Dwg. no.

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