



OFFSHORE TECHNOLOGY SOLUTIONS LTD.



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GRAND SUN

SELF-PROPELLED BARGE

OTSL - 56ft. self-propelled barge with a FASSI 8845Kg. Hydraulic Crane.

Grand Sun has a clear deck space of 30 feet in length by 24 feet wide, complemented with a 20,000LB line-pull, Stern Winch.

GRAND SUN (SP) BARGE.





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VESSEL SPECIFICATIONS.

MAIN PARTICULARS

LENGTH OVERALL.....	56 FT.	17 M.
BEAM.....	26 FT.	7.9 M.
LIGHT DRAFT.....	3 FT.	0.9 M.
MAXIMUM DRAFT.....	4 FT.	1.2 M.

CAPACITIES

FRESH WATER.....	6,000 USG	45.4 M ³
FUEL OIL.....	1,400 USG	5.2 M ³
SEWER HOLDING.....	900 USG	3.4 M ³

WORK DECK

MAXIMUM LOAD	29 ST.	26 MT.
CLEAR DECK LENGTH	30 FT.	9.1 M.
CLEAR DECK WIDTH	22 FT.	6.7 M.

TONNAGE

GRT	41.
NRT	12.

MACHINERY

MAIN ENGINES	2 X 350HP CUMMINGS
HORSEPOWER	700 TOTAL
REDUCTION GEARS	2.33 : 1
PROPULSION	TRAKTOR II JET DRIVES
GENERATOR	1 X 20KW 110/220V 60HZ.
FIRE PUMP	200GPM @ 70 PSI
STERN WINCH	20,000 LB. LINE PULL
HYD. PUMP	3,000 PSI @ 30 GPM
HYD. CRANE	FASSI MAX 8,845 KG. @ 7.45M

ACCOMMODATIONS

BERTHS.....	4
GALLEY.....	DAY BOAT
HEAD	YES

ELECTRONICS & CONTROLS

DEPTH SOUNDER	1
RADAR	1
GPS	1
VHF	2

DOCUMENTATION

FLAG.....	TRINIDAD & TOBAGO.
BUILDER	INTER ISLE CONSTRUCTION.
YEAR REBUILT.....	2012.

PERFORMANCE

MAXIMUM SPEED	8 KNOTS @ 12 GPH.
CRUSING SPEED	6 KNOTS @ 8 GPH.

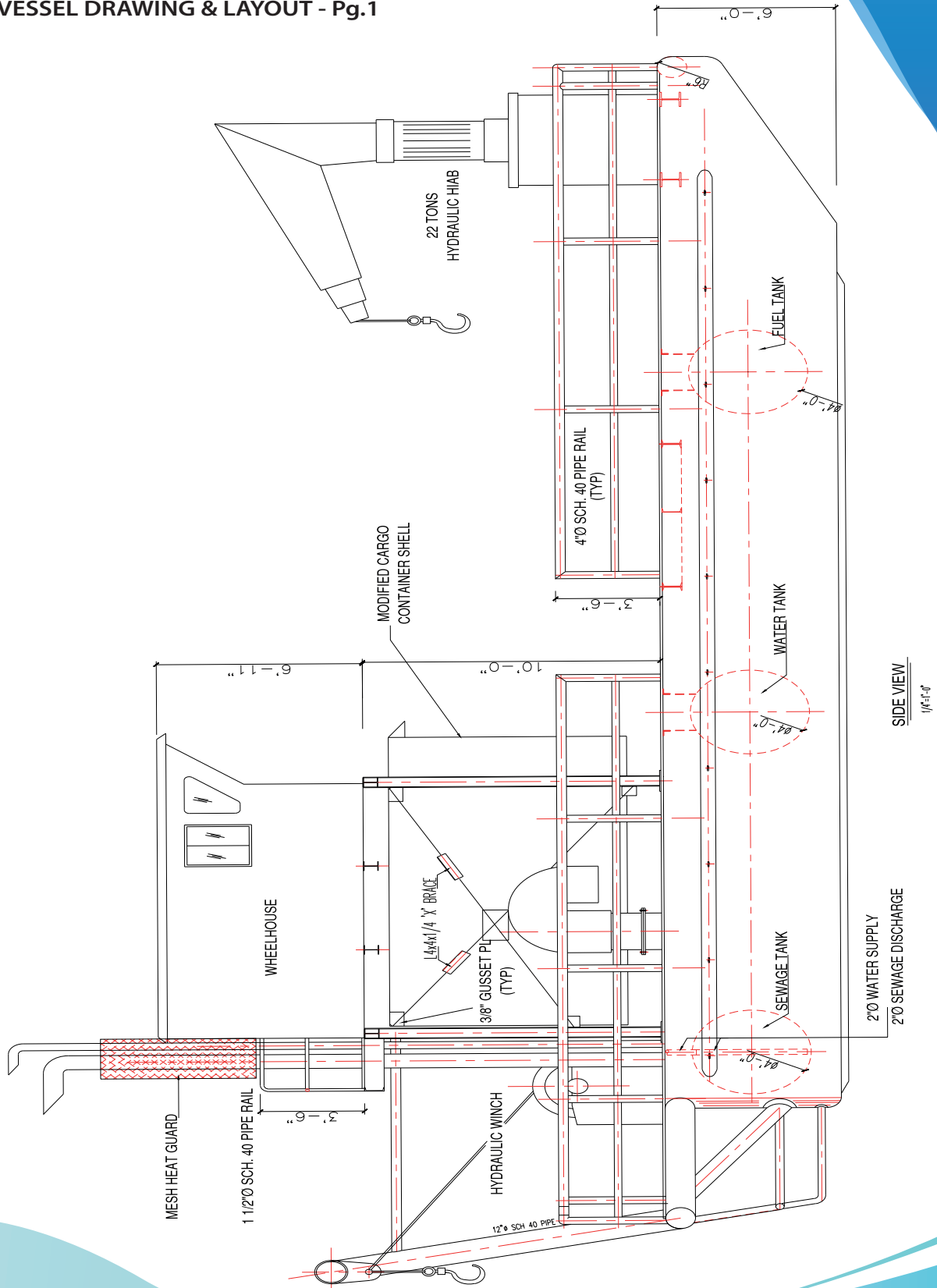


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GRAND SUN - (SP) BARGE

VESSEL DRAWING & LAYOUT - Pg.1



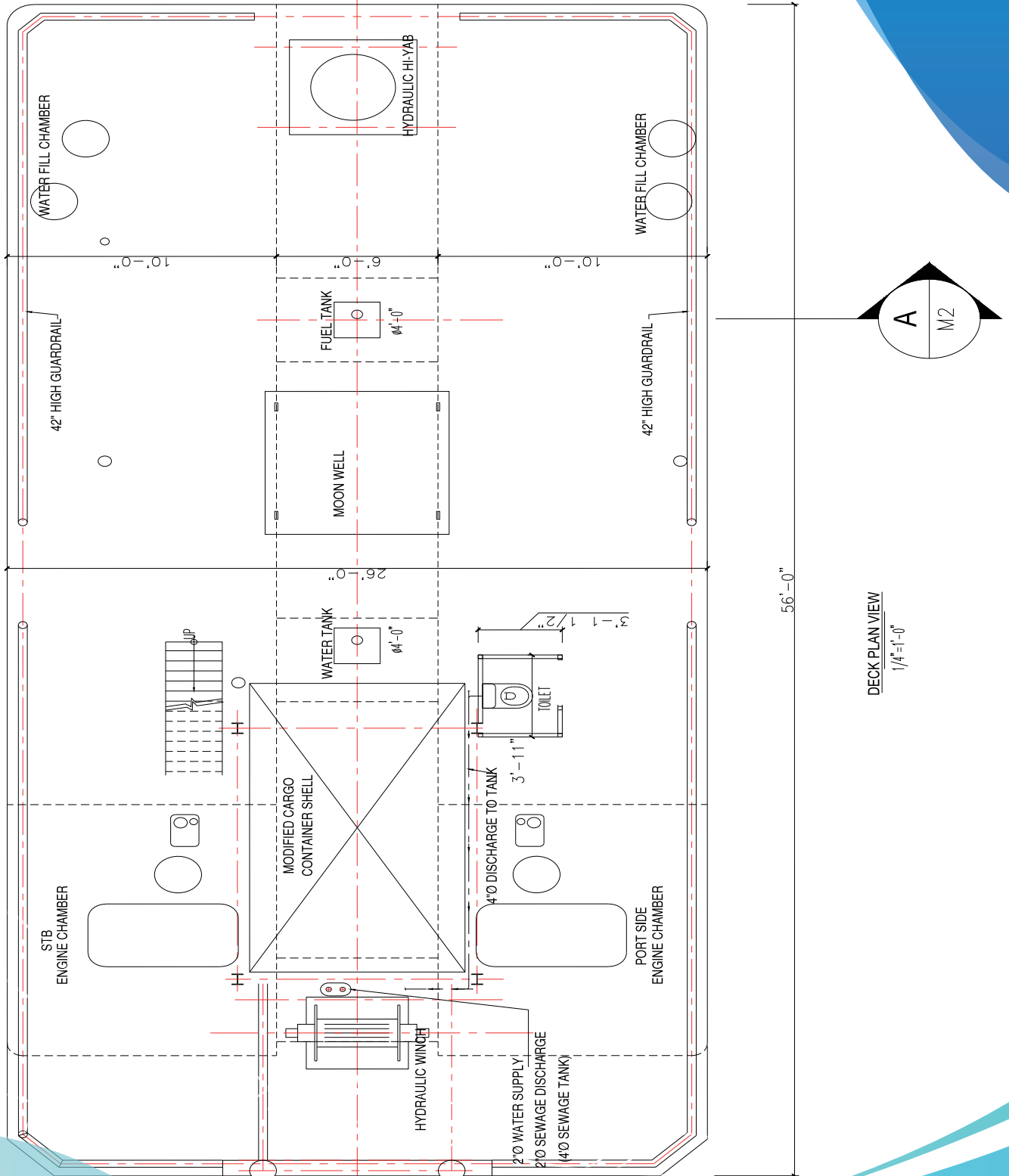


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GRAND SUN - (SP) BARGE

VESSEL DRAWING & LAYOUT - Pg.2



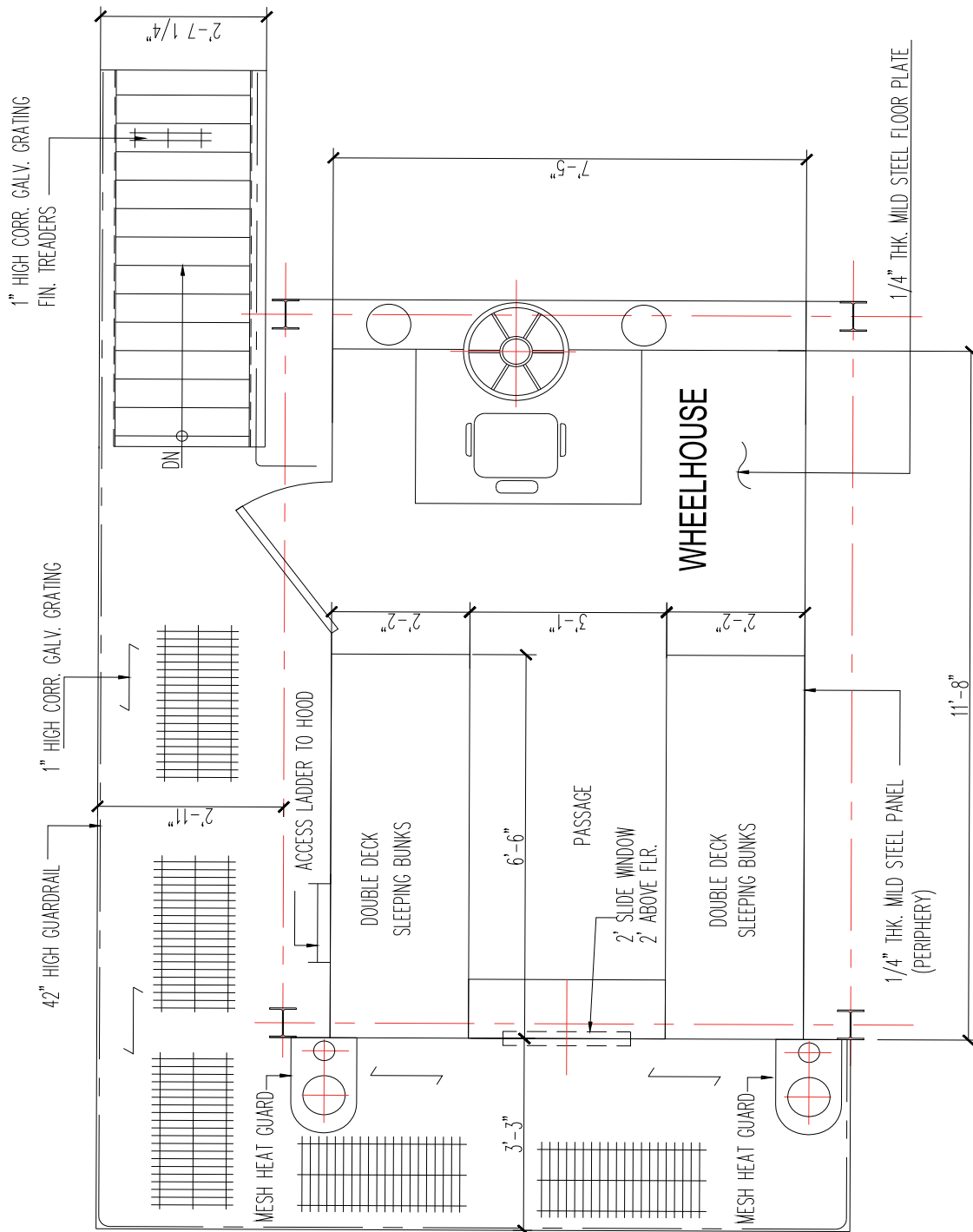


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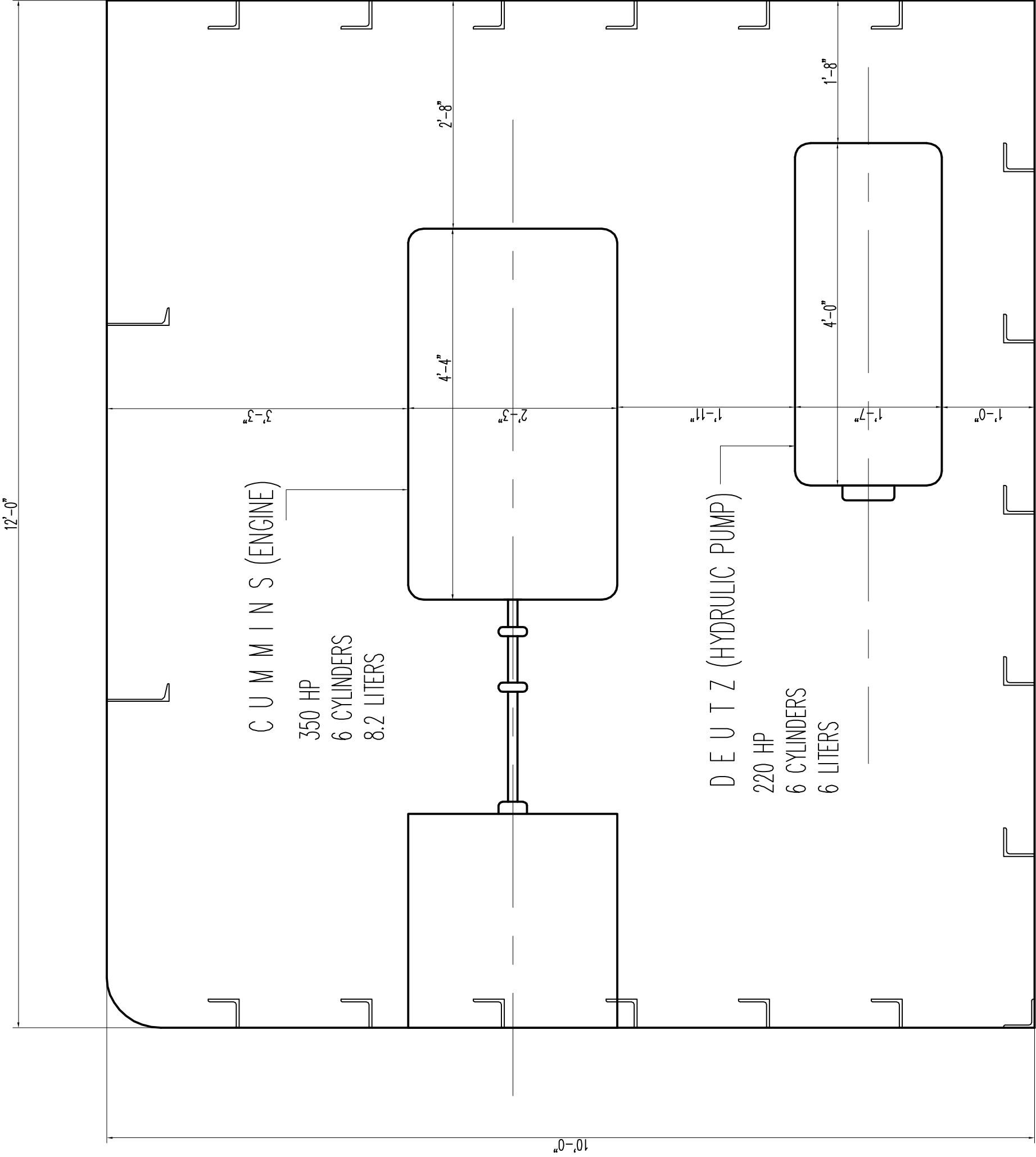
GRAND SUN - (SP) BARGE

VESSEL DRAWING & LAYOUT - Pg.3

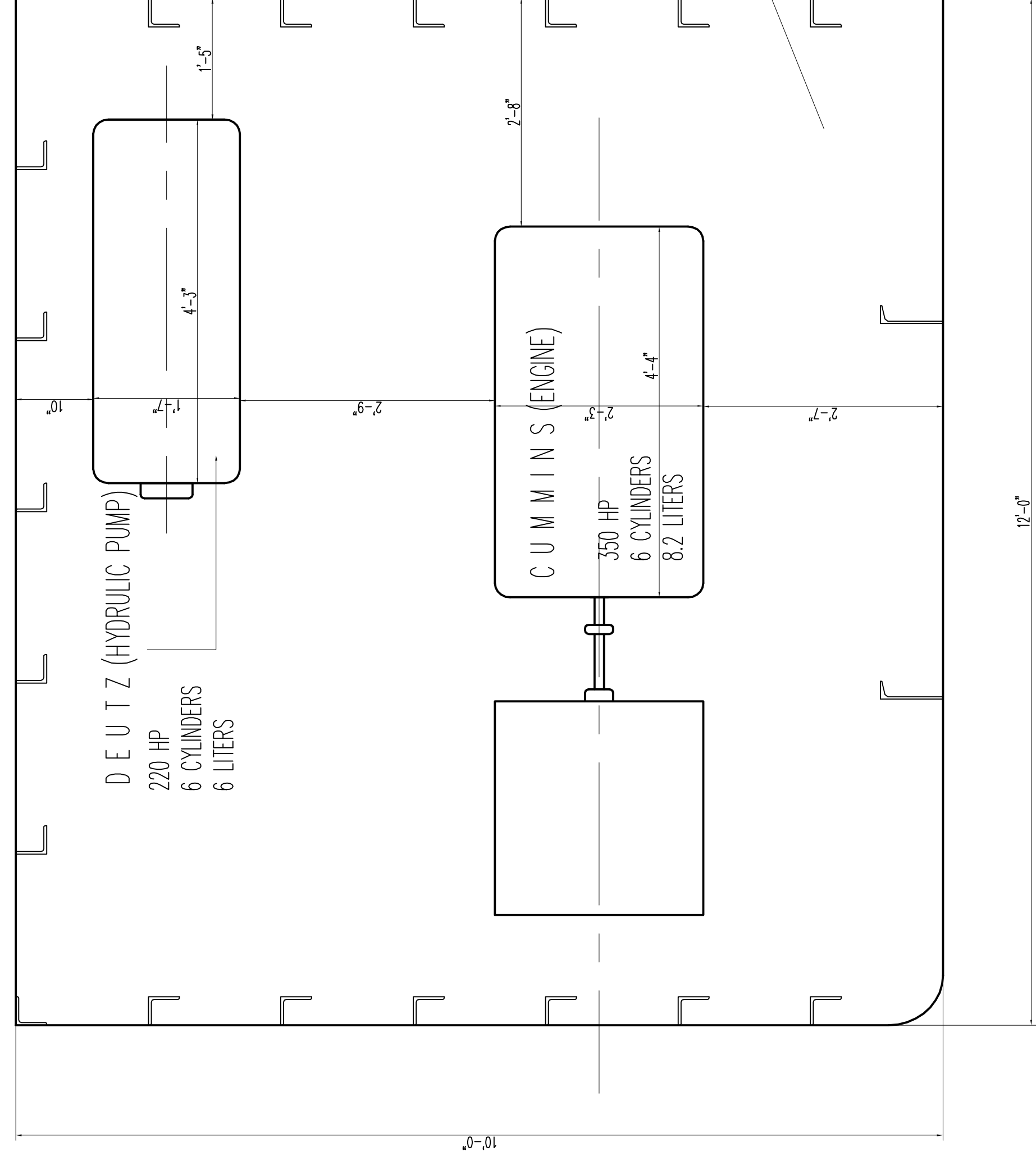


PLAN VIEW OF WHEELHOUSE

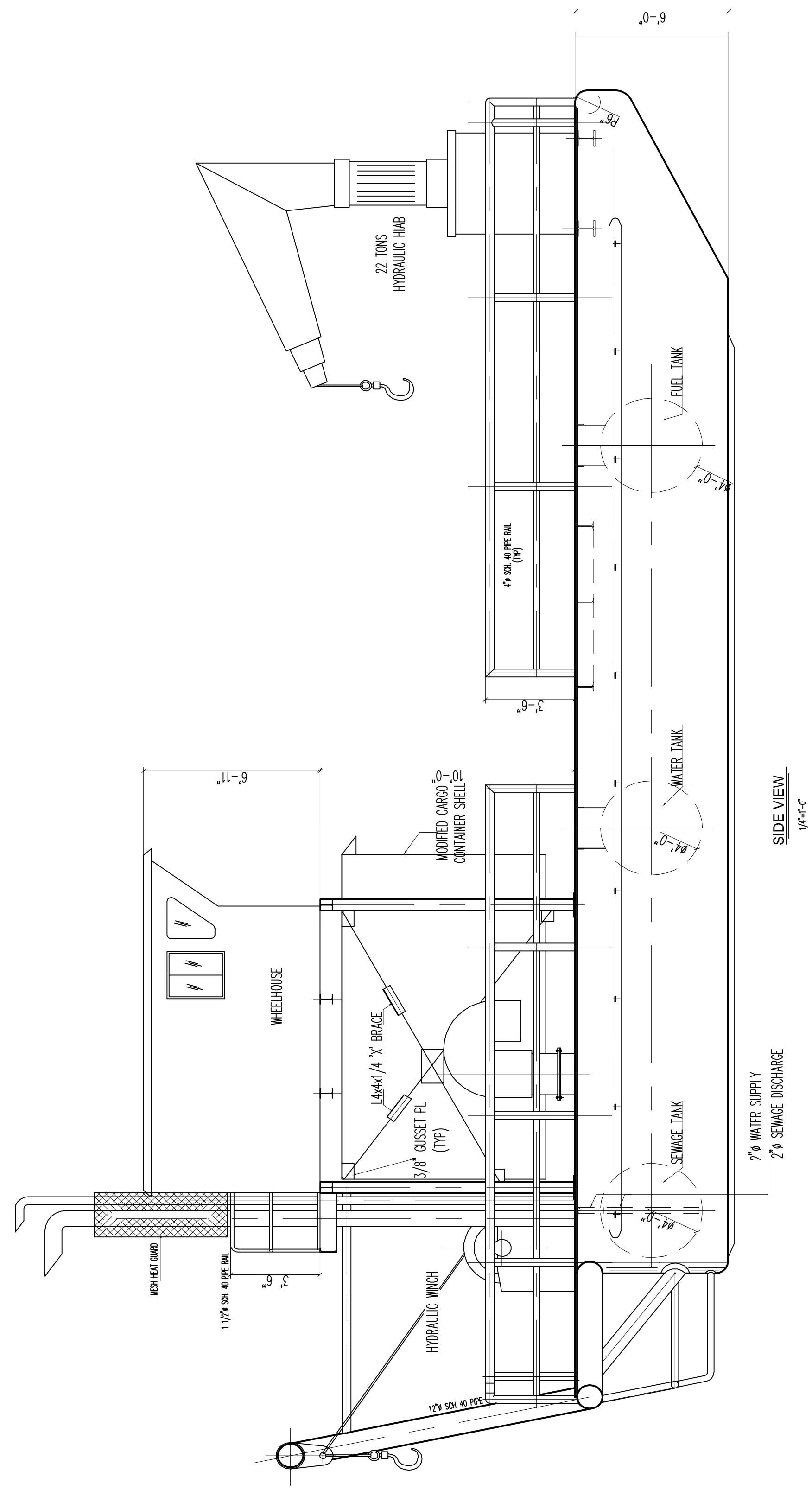
1/2" = 1'-0"



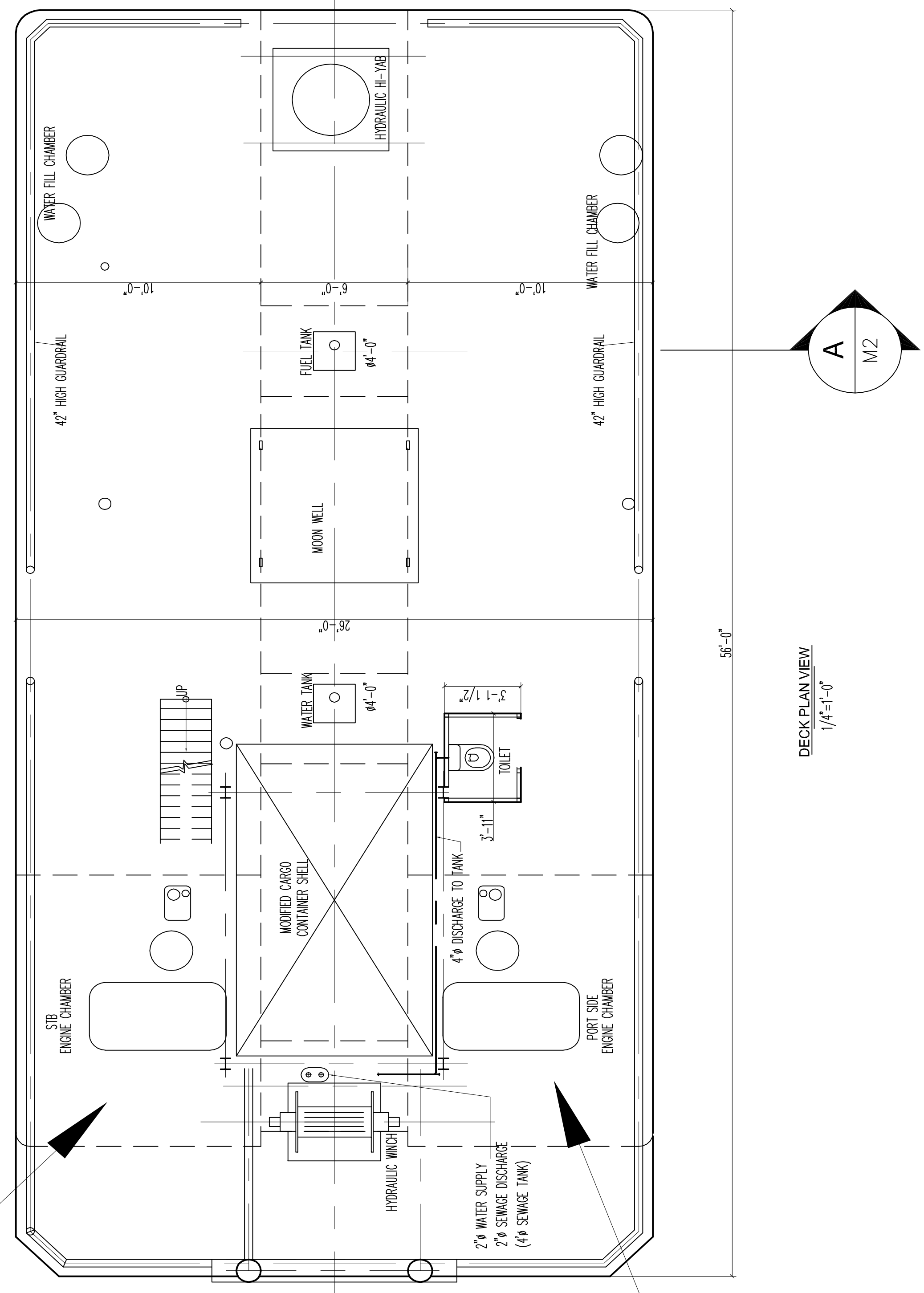
STAR BOARD SIDE ENGINE CHAMBER



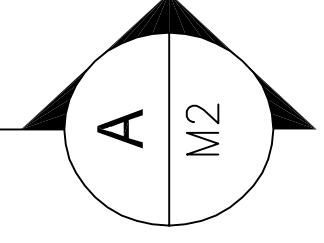
PORT SIDE ENGINE CHAMBER



SIDE VIEW
1/4"=1'-0"



DECK PLAN VIEW
1/4"=1'-0"



MATERIAL: Fy=36 KSI				PRINTS	
HOLES: 13/16" Ø				NO	FOR
BOLTS: 3/4" A-325-SC U.O.N				DATE	
WELD: E70XX ELECTRODES					
PAINT: MARINE ANTI CORROSI					
REVISIONS					
NO.	DATE	REMARKS			
O. T. S. L					
TITLE: WHEEL HOUSE LAYOUT & STRUCT. FRM. HIAB SUB-STRUCT. & CONNECTION DETAILS					
PROJECT: I1001					
ARCH:					
CONT:					
MADE BY : A.M	DATE	CONTRACT	DRAWING		
CHECKED BY:	04/24/12		M2		