



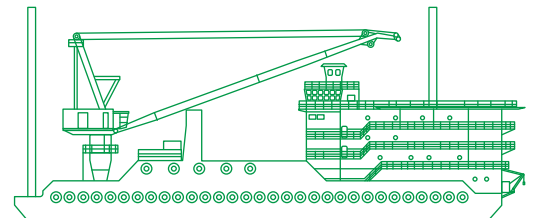
مبارك البحرية Mubarak Marine



Millennium-1

8 Point mooring non-propelled accommodation work barge

At 65 m in length, and with a deck area of over 730 m², this modern work barge can accommodate 142 people in comfort and safety, and includes a fully equipped mess room, workshop facilities, medical facilities, and a helideck.



Registration

Year of build	2002
Builder	Dubai Shipbuilding & Engineering LLC
Port of registry	Dubai
Flag	UAE
BV register number	02178U
Call sign	A6E2903
Official number	4840
Class	Bureau Veritas
Owner	Mubarak Marine LLC

Dimensions

Length overall	65 m
Breadth moulded	20 m
Depth moulded	6 m
Max loaded draft	4.2 m
Loaded freeboard	1.4 m

Machinery/propulsion

Main generator	4x SCANIA 390 kW auto-synchronized
Emergency generator	1x SISU 150 kW
Power supply	400v/50 hz, up to 300 KVA
Fresh water maker	1x 35 m ³ /day, 2x 18 m ³ /day, total 70 m ³ /day
Sewage treatment	1x super trident
Oil water separator	1x 1 m ³ /h, 15 ppm

Tonnage

GRT	2874 t
NRT	862 t
Deadweight	3468 mt
Displacement	5810 mt

Capacities

Fuel oil	521 m ³
Potable water	2188 m ³
Ballast water	2278 m ³
Freezer	25 m ³
Chiller	25 m ³

Spuds

2x 32 m FWD (portside) + AFT (starboard side) spuds, suitable for water depths of up to 22 m

Accommodation

Single berth cabin	Nil
Double berth cabin	2x 11 nos
Fourth berth cabin	4x 30 nos
Clinic	Located on main deck with 1 bed, fully equipped with medicine cabinets, stretcher, refrigerator and attached T&B
Laundry	Inside accommodation at 3rd deck with 4x 8 kg washer and 4x 8 kg dryers
Entertainment system	Satellite TV receiver with TV sets in all cabins
Prayer room	On main deck forward
Mess room	1x 70 persons seating with TV, water and juice dispenser
Workshop facility	50 m ² mechanical/fabrication/welding shop located on main deck, fitted with work bench, drill, vice, grinder, welding and cutting equipment
	Galley fully equipped, with bakery ovens dough kneader, capacity to prepare 200 meals, fitted with wet chemical fire suppression system
Total	142 persons

Navigation/communication equipment

VHF (fixed/portable)	2x ICOM Marine and 6x Standard Horizon
SSB radio	1x JRC, JSB-196
Satellite phone	1x FBB/voice/data
Aero VHF (fixed/portable)	1x ICOM and 1x ICOM
Gyro compass	1x Yokogawa D
Radar	1x FURUNO
GPS	1x KODEN
Echo sounder	1x FURUNO
Navtex	1x JMC, NT-900

Work deck area

Main deck	733 m ²
Winch house top	217 m ²
Deck strength	10 t/m ²

Mooring system

Anchor winch	4x double drum, diesel driven
Anchor wire	8x 38 mm x 900 m, galvanized
Anchors	8x 5T Flipper Delta
Anchor buoys	8x steel cylindrical

Lifting equipment

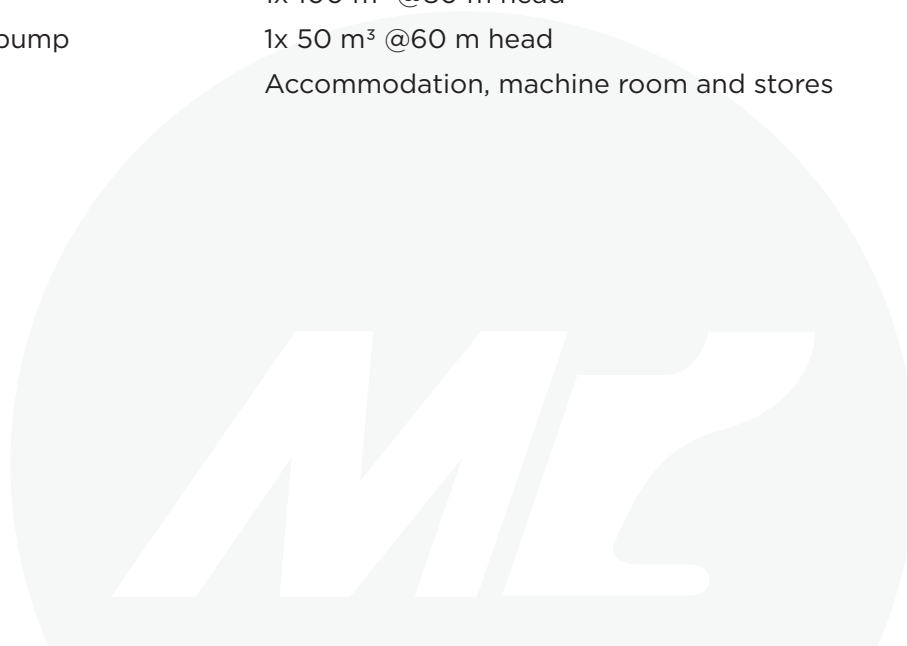
Deck crane	NORCRANE, pedestal mounted diesel driven hydraulic cargo crane
Aux hook	7.5 t @ 40 m
Main hook	30 t @20 m, 15 t @ 36 m

Helideck

Certified for BELL-214, class approved, as per CAP 437 helideck specifications

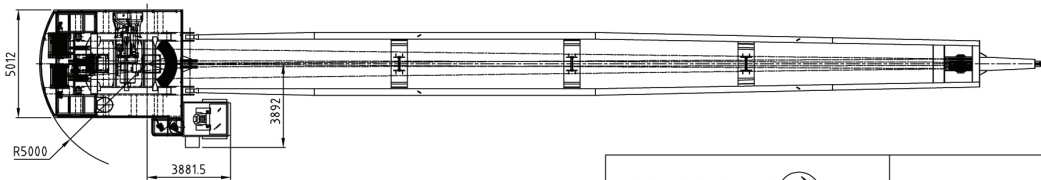
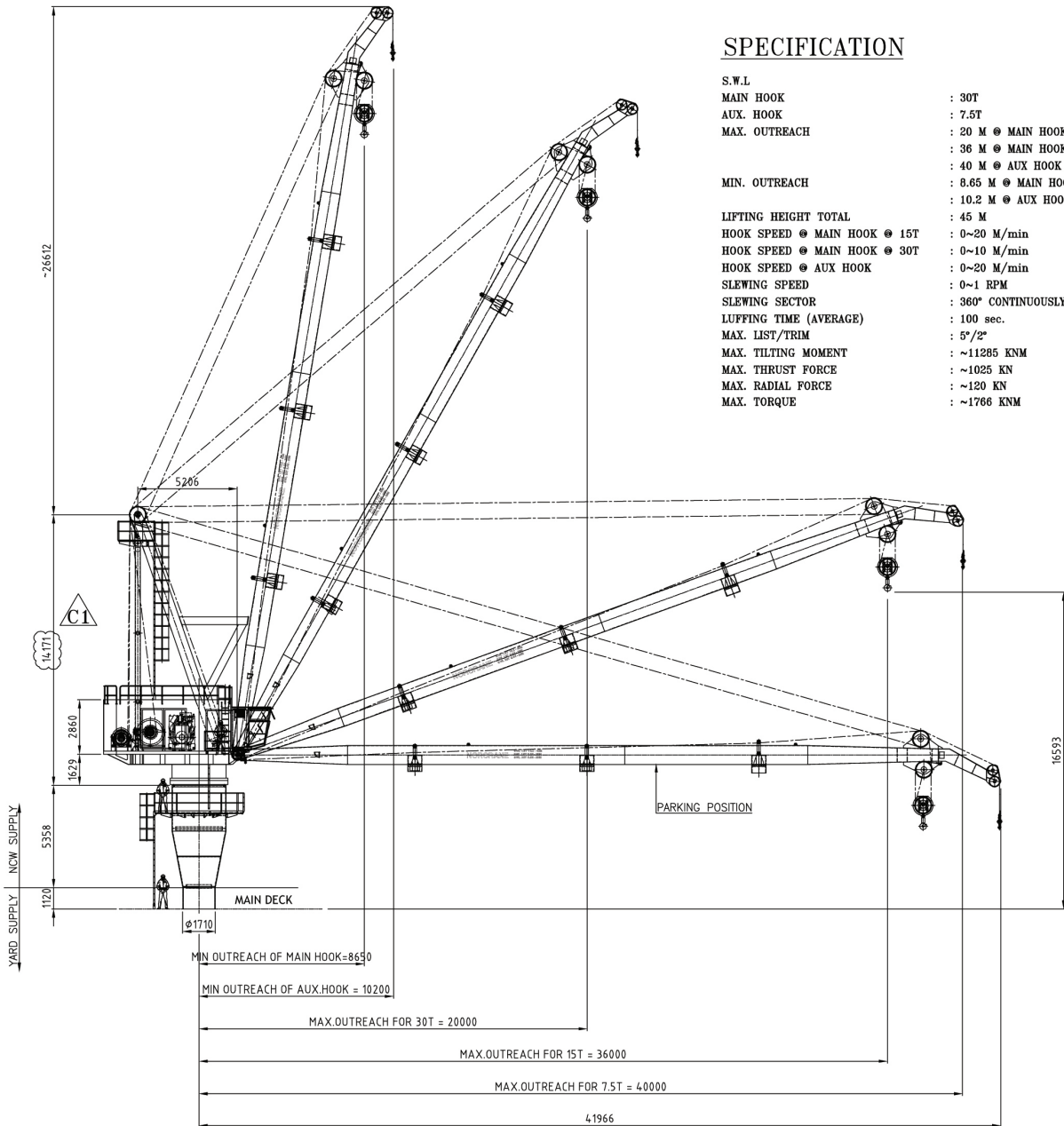
Firefighting equipment

Fire pump	1x 100 m ³ @80 m head
Emergency fire pump	1x 50 m ³ @60 m head
Fire detection	Accommodation, machine room and stores



SPECIFICATION

S.W.L	: 30T
MAIN HOOK	: 7.5T
AUX. HOOK	: 20 M @ MAIN HOOK @ 30 T
MAX. OUTREACH	: 36 M @ MAIN HOOK @ 15 T
	: 40 M @ AUX HOOK @ 7.5 T
MIN. OUTREACH	: 8.65 M @ MAIN HOOK
	: 10.2 M @ AUX HOOK
LIFTING HEIGHT TOTAL	: 45 M
HOOK SPEED @ MAIN HOOK @ 15T	: 0~20 M/min
HOOK SPEED @ MAIN HOOK @ 30T	: 0~10 M/min
HOOK SPEED @ AUX HOOK	: 0~20 M/min
SLEWING SPEED	: 0~1 RPM
SLEWING SECTOR	: 360° CONTINUOUSLY
LUFFING TIME (AVERAGE)	: 100 sec.
MAX. LIST/TRIM	: 5°/2"
MAX. TILTING MOMENT	: ~11285 KNM
MAX. THRUST FORCE	: ~1025 KN
MAX. RADIAL FORCE	: ~120 KN
MAX. TORQUE	: ~1766 KNM



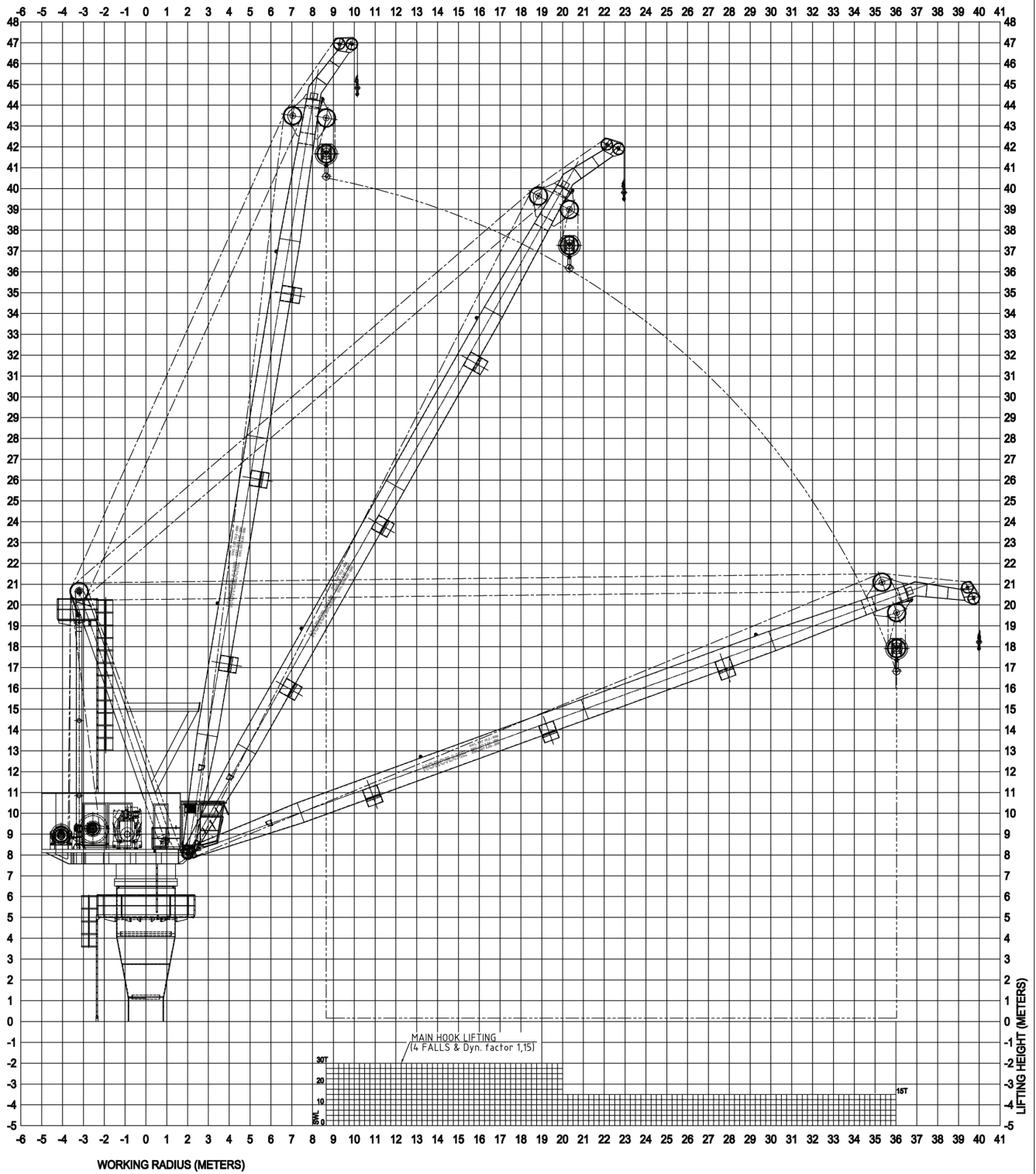
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REV	DESCRIPTION	DRAWN	CHK'D	APPR'D	DATE
C1	RE-ISSUED FOR CONSTRUCTION	SHY.SUN	J.LEE		26.Nov,14
C	ISSUED FOR CONSTRUCTION	SHY.SUN	J.LEE		13.Aug,14
B	ISSUED FOR APPROVAL	SHY.SUN	J.LEE		23.Jul,14
A	ISSUED FOR IDC	SHY.SUN	J.LEE		16.Jan,13

REVISIONS

TITLE: HYDRAULIC MARINE CARGO CRANE GENERAL ARRANGEMENT		
MODEL No. : NCW-CC-1200-3020-1040	THIRD ANGLE PROJECTION	EST. WT. : ~75T
HULL No. : -	PAPER SIZE : A3	SCALE : 1:225
PROJECT No. : -	DWG. No. : CC-1200-3020-1040-00	
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SHOWN		SHEET 01 OF 04



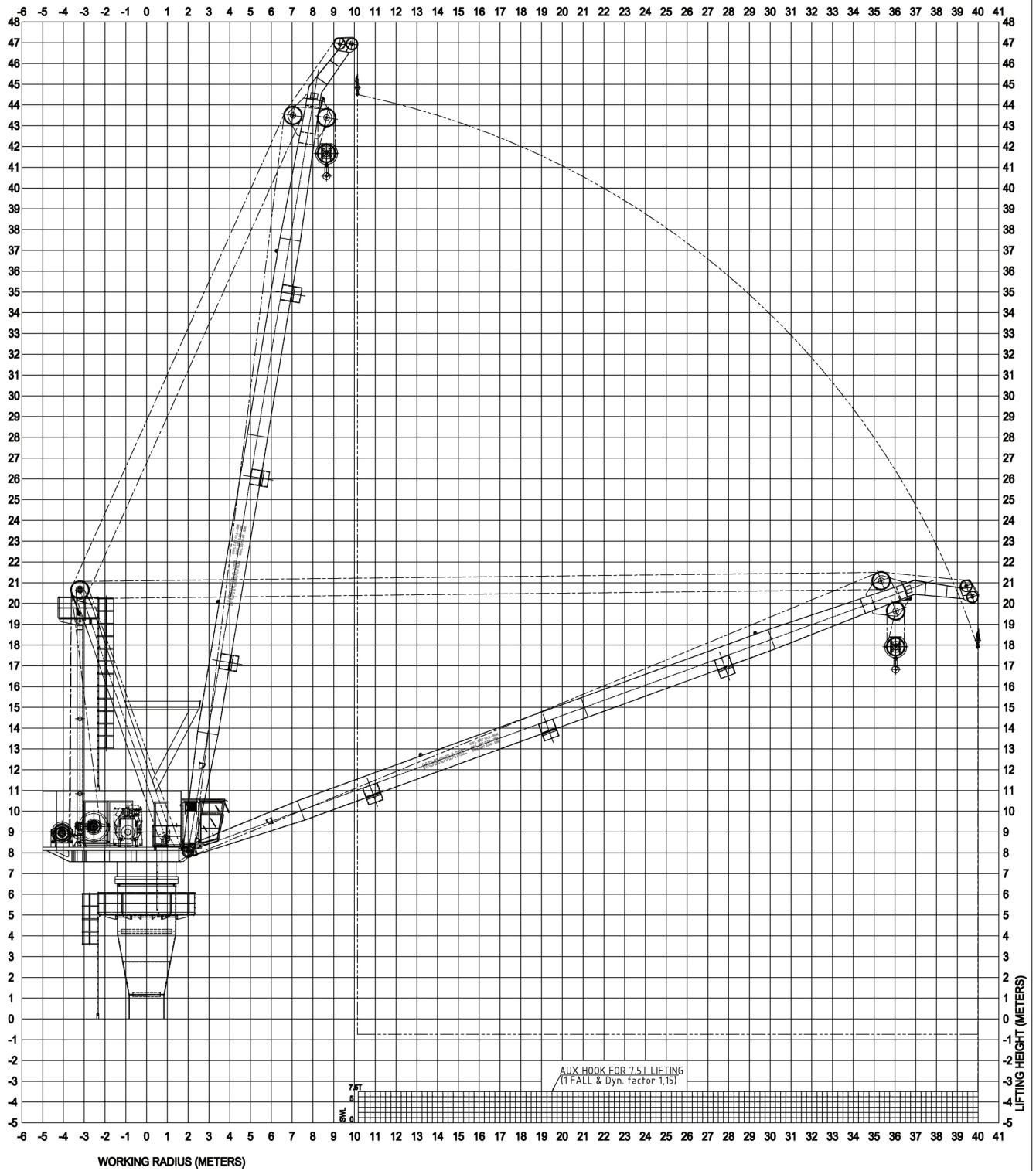
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REVISIONS

TITLE: HYDRAULIC MARINE CARGO CRANE (LOAD CHART FOR MAIN HOOK)		
MODEL No. : NCW-CC-1200-3020-1040		EST. WT. : ~
HULL No. : -	PAPER SIZE : A3	SCALE : 1:180
PROJECT No. : -	DWG. No. : CC-1200-3020-1040-00	
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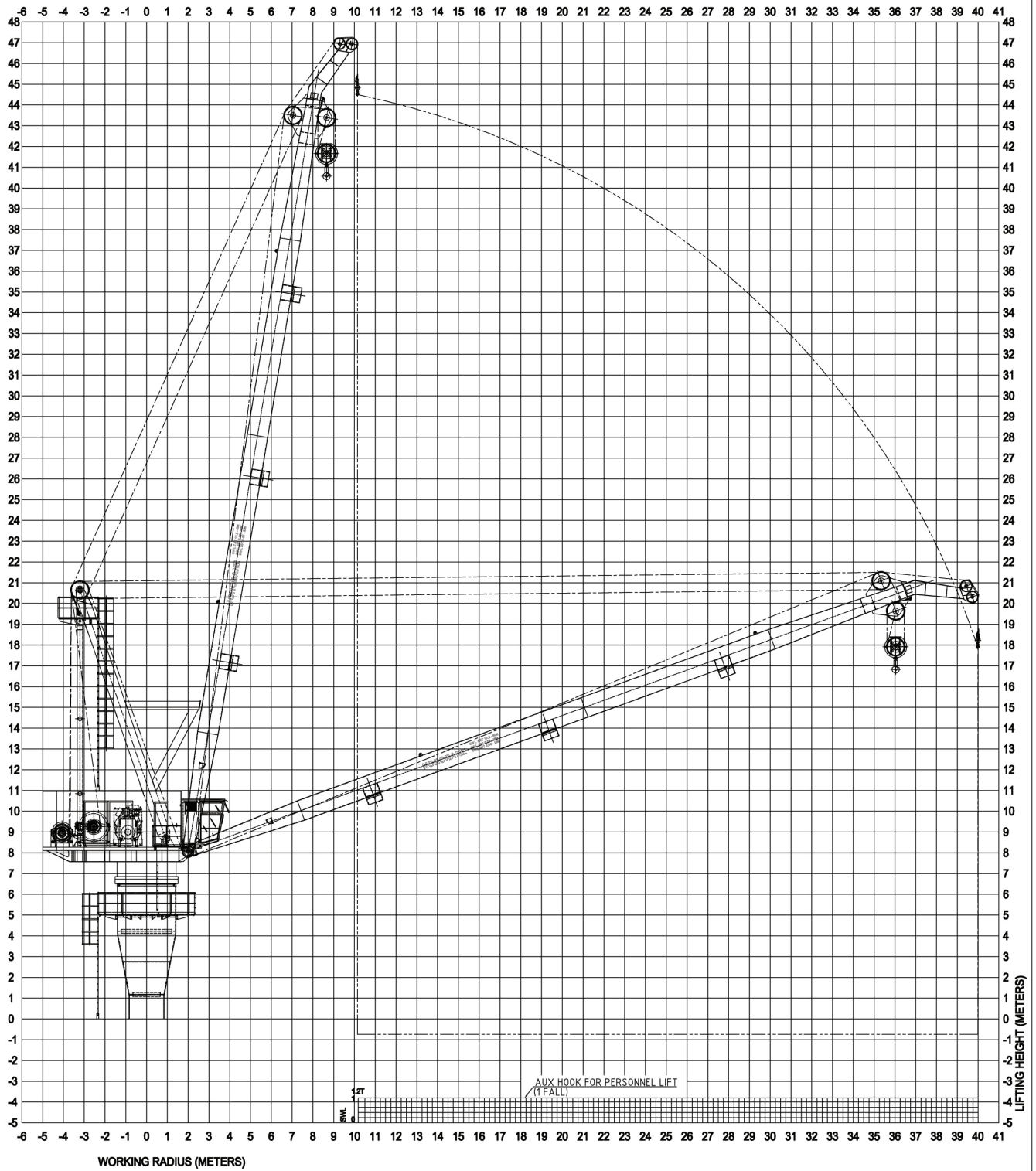



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








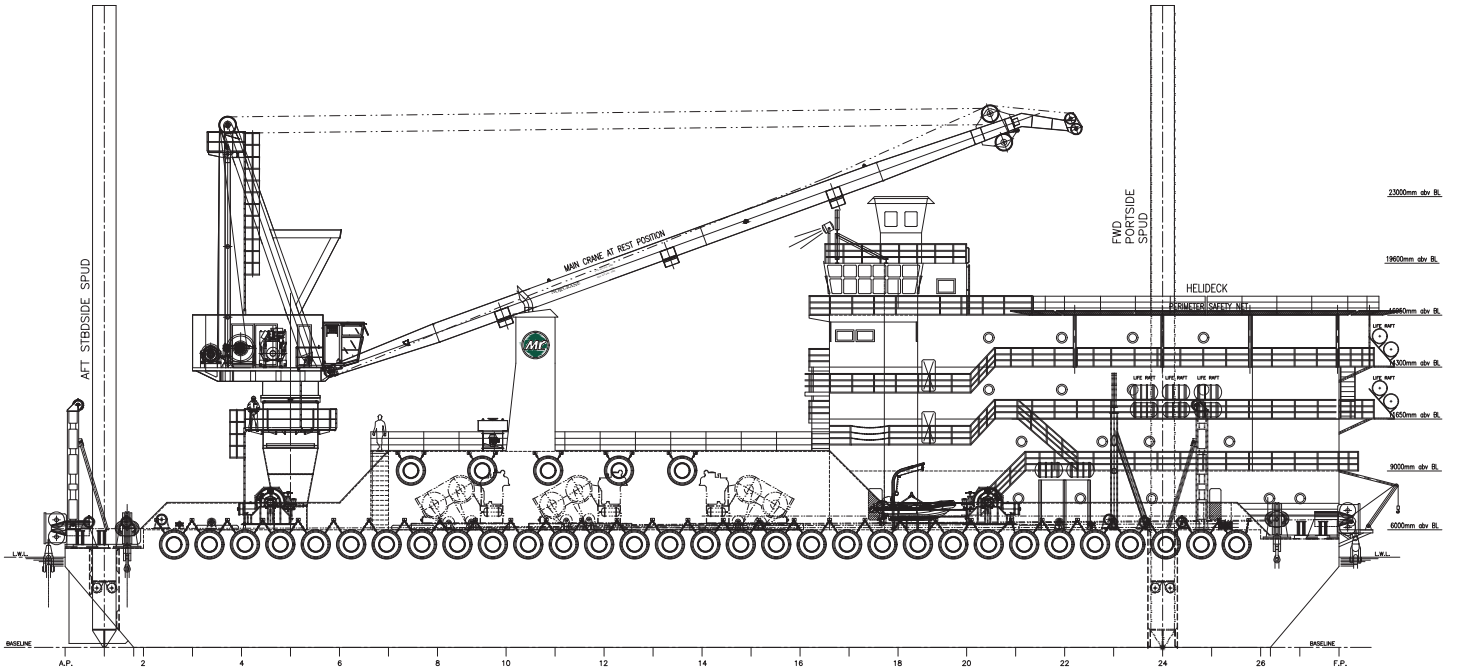


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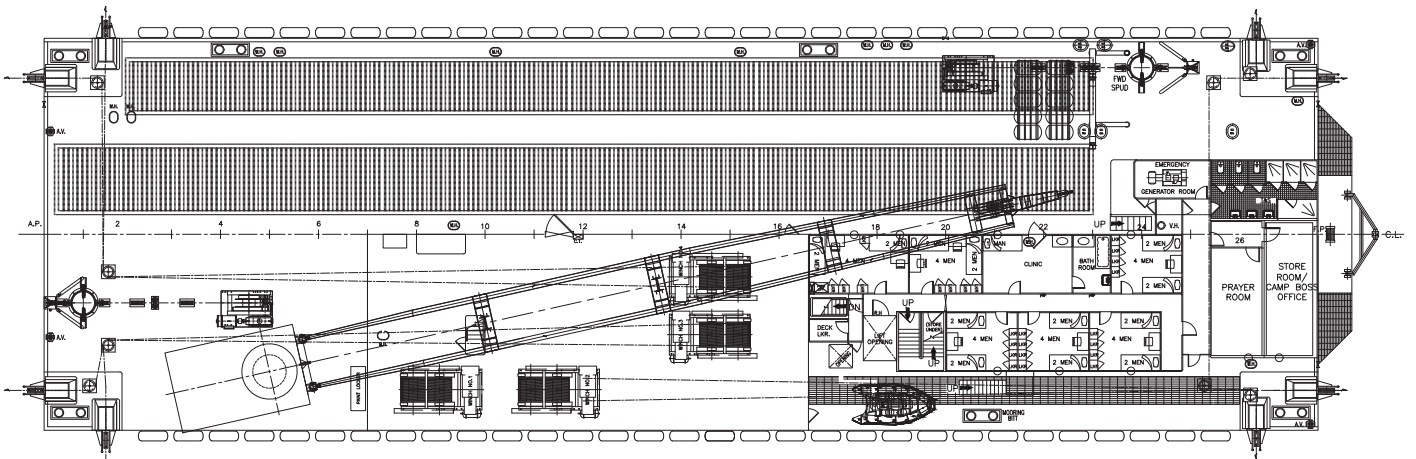
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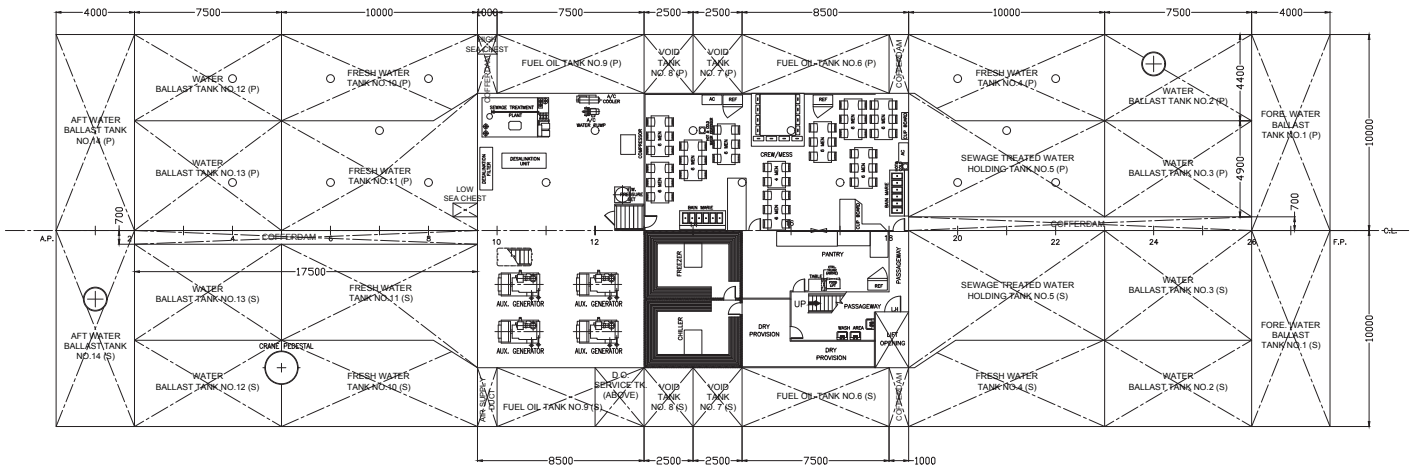
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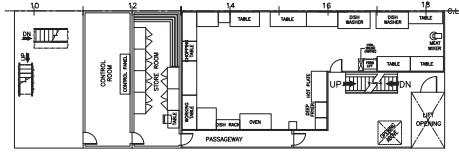
Outboard profile



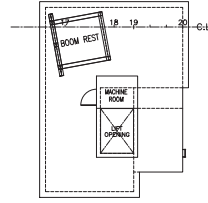
Main deck



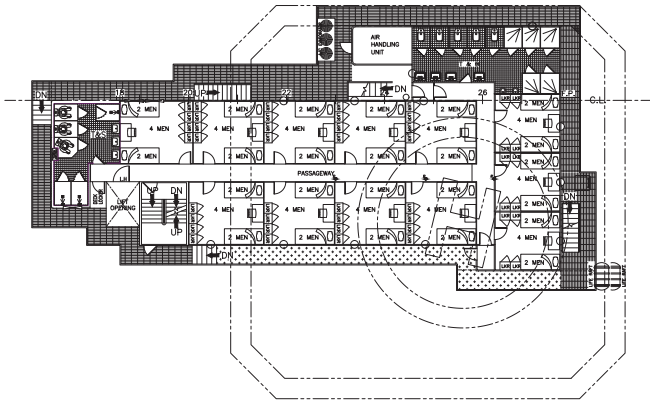
Tank top



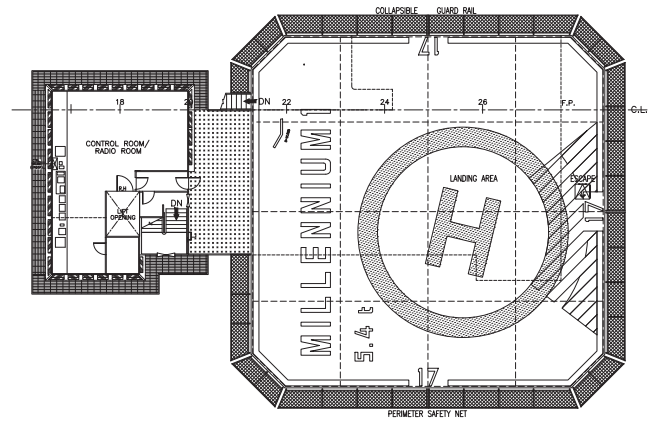
Under deck



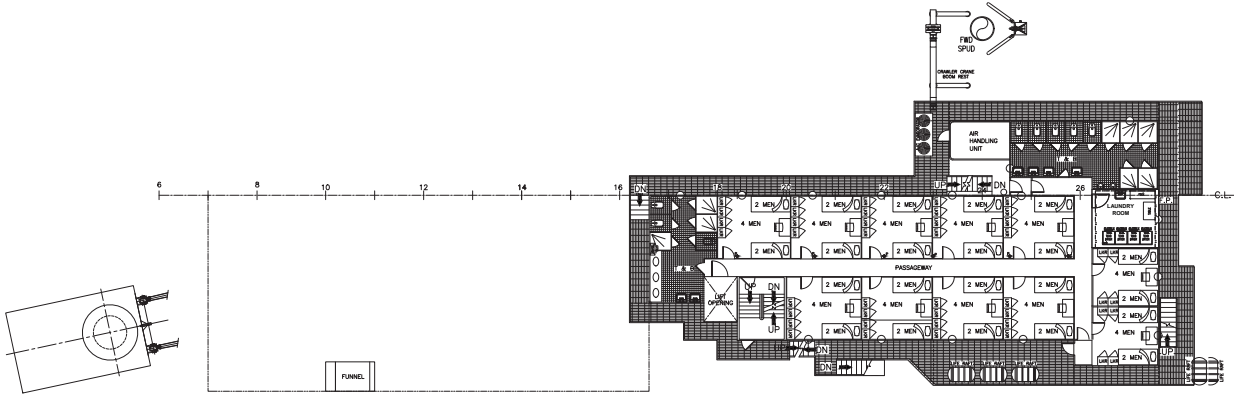
Wheelhouse top



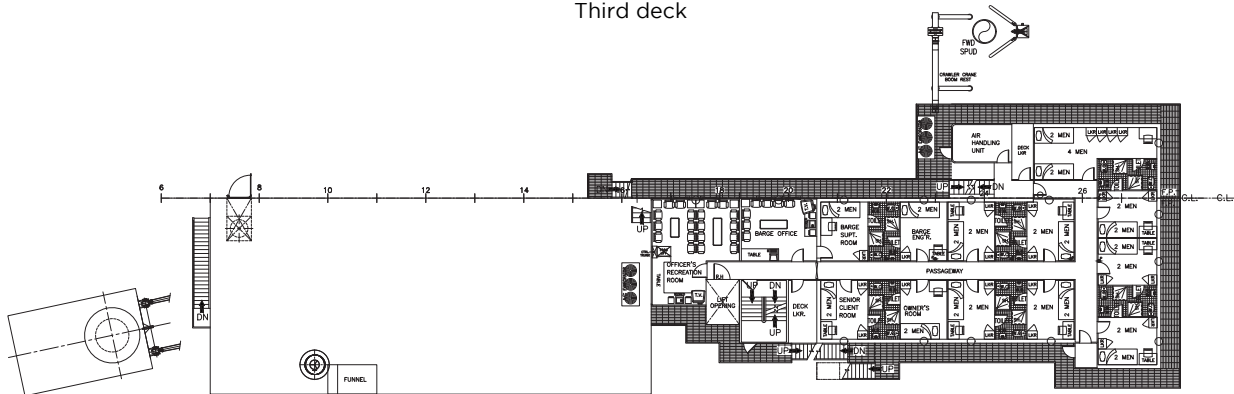
Fourth deck



Fifth deck/helideck



Third deck



Second deck

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