

LEGEND:

- ACD

BAP

DN

DWL

ESC

FD

F/R

F.O.

F.S.

JD

L, LKR

L.O.

M/E

P&S

QAH

S.C.

V.L.

WC

W/D

WTD

WTD1

WTD1P

WTD2W
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- ACOUSTIC DOOR

BOLTED ACCESS PLATE

DOWN

DESIGN WATER LINE

ESCAPE

FIRE DOOR

FRIDGE

FUEL OIL

FLUSH SCUTTLE

JOINER DOOR

LOCKER

LUBE OIL

MAIN ENGINE

PORT & STARBOARD

QUICK ACTING HATCH

SEA CHEST

VERTICAL LADDER

WATER CLOSET

WASHER/DRYER

WATERTIGHT DOOR

TYPE 1 WEATHERTIGHT DOOR

TYPE 1 WEATHERTIGHT DOOR WITH PORTLIGHT

TYPE 2 WEATHERTIGHT DOOR WITH WINDOW



ROBERT ALLAN LTD.
NAVAL ARCHITECTS AND MARINE ENGINEERS

Designed in Vancouver, Canada
www.ral.ca

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This document is for guidance only, indicating the key characteristics of the design's configuration, performance, materials, and standards of construction based on preliminary equipment selection. It is not intended to be the sole basis for construction. The builder, or any other party that uses or relies on or makes decisions based on this document, assumes full responsibility to complete detailed engineering design and finalize equipment selection to a point suitable for construction and implementation.

CONCEPT DESIGN
NOT FOR CONSTRUCTION

DESIGN
TundRA 3000
ESCORT ICEBREAKING TUG

CLIENT
SVITZER A.S.

TITLE
GENERAL ARRANGEMENT

DRAWN BY OL	ENG.	DATE SEPT. 03/19	PLOT SIZE A3	SHEET 1 OF 7
PROJECT 219-055	DRAWING 30000	REV. 5		

5	UPDATED PER CLIENT COMMENTS.	SEPT. 17/19	BI			TITLE GENERAL ARRANGEMENT
4	BEAM CORRECTED. DRAWING UPDATED PER CLIENT COMMENTS.	SEPT. 13/19	BI			
3	UPDATED PER DESIGN DEVELOPMENT AND CLIENT COMMENTS	SEPT. 16/19	BI	JH		
2	UPDATED PER CLIENT COMMENTS	SEPT. 10/19	BI	JH		
1	DESIGN DEVELOPMENT FROM REV. 6 OF 18-292.	SEPT. 03/19	OL			
REV.	REVISIONS	DATE	DWN	CHK	APP.	

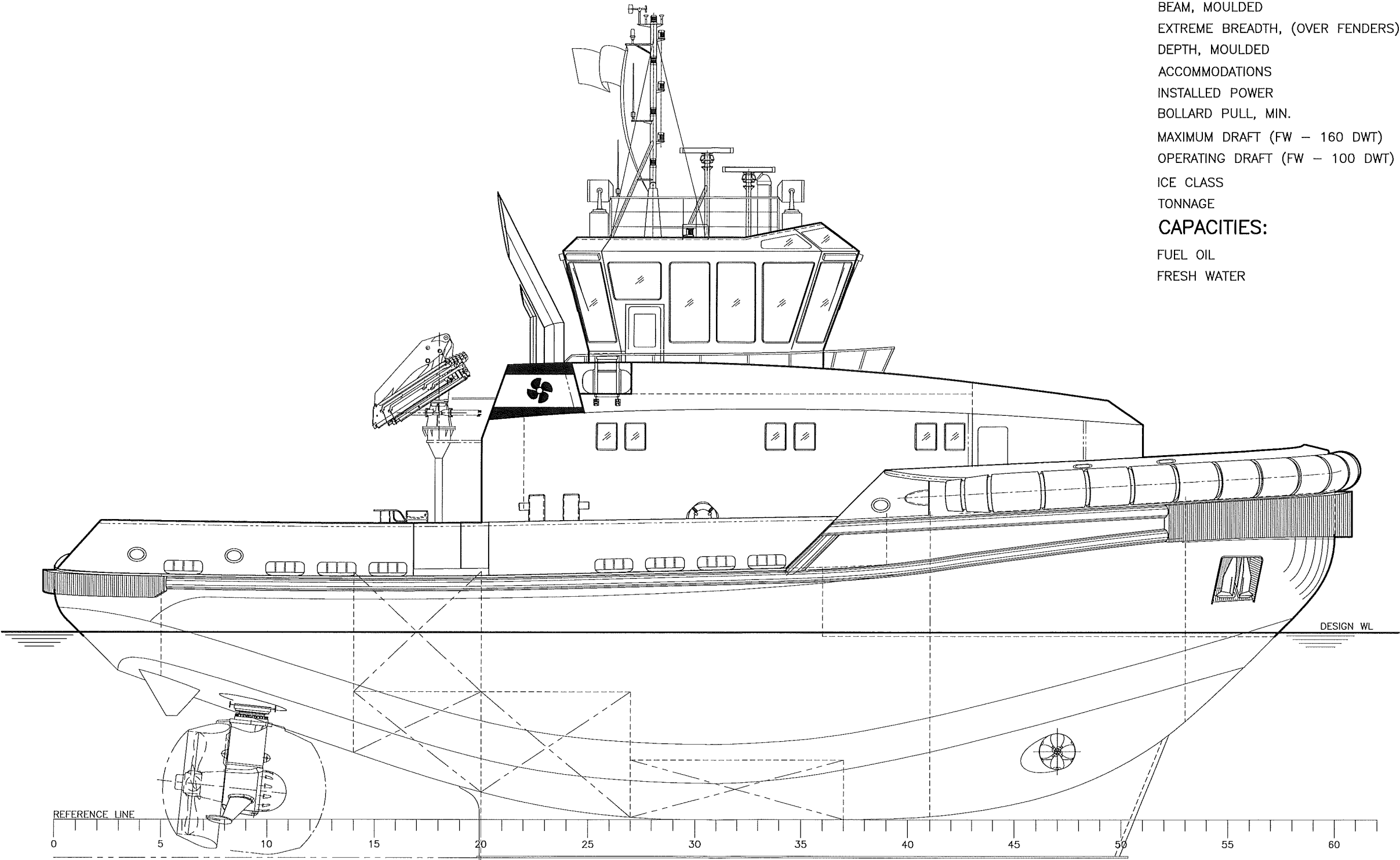
Sep. 17, 19 2:45:45 PM

GENERAL PARTICULARS:

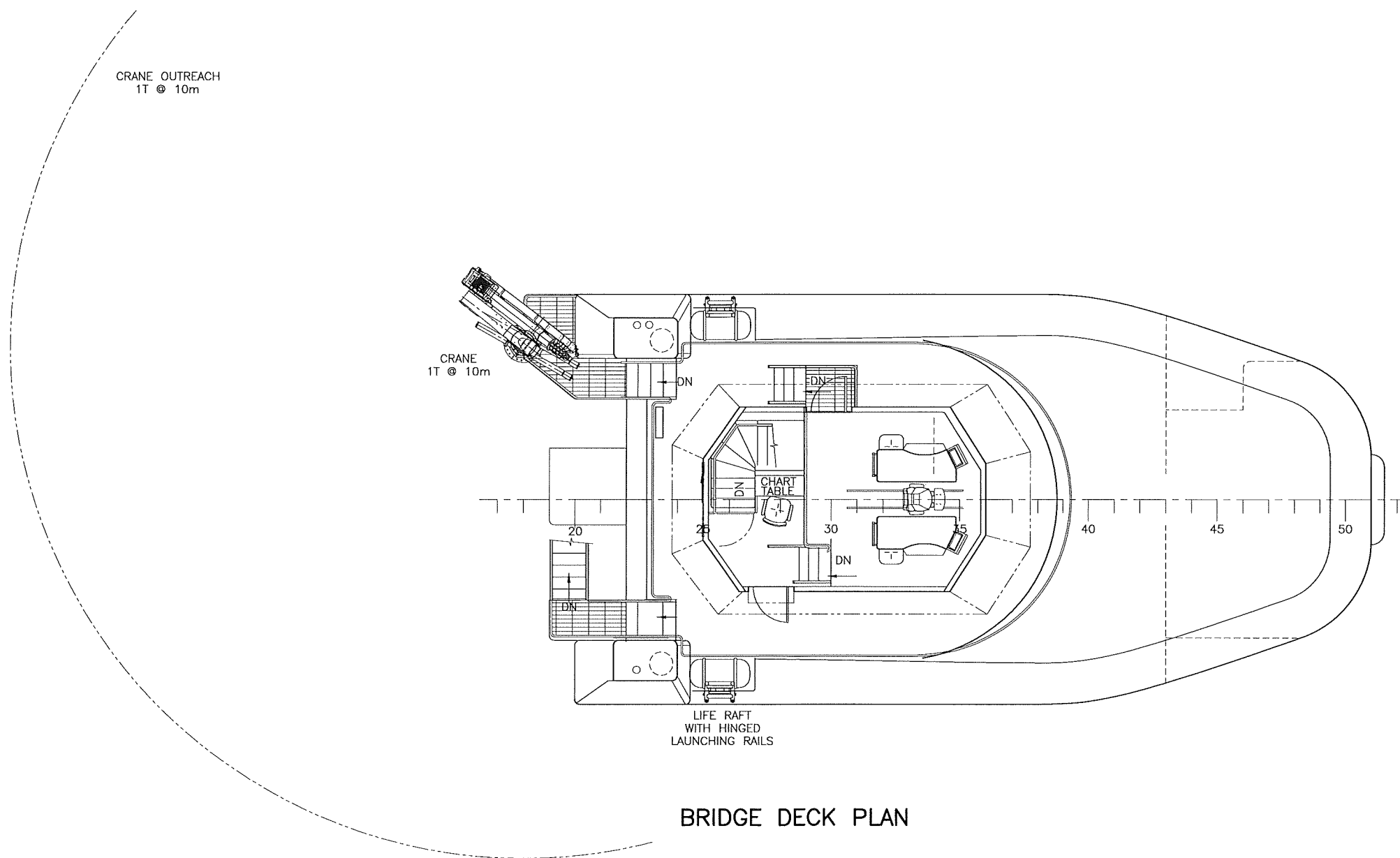
LENGTH OVERALL	30.0 m
BEAM, MOULDED	12.6 m
EXTREME BREADTH, (OVER FENDERS)	13.2 m
DEPTH, MOULDED	5.7 m
ACCOMMODATIONS	6 CREW
INSTALLED POWER	2 x 1860 kW
BOLLARD PULL, MIN.	60 TONNES
MAXIMUM DRAFT (FW – 160 DWT)	5.6 m
OPERATING DRAFT (FW – 100 DWT)	5.4 m
ICE CLASS	1A – FS
TONNAGE	<500 GT

CAPACITIES:

FUEL OIL	120 m³
FRESH WATER	25 m³



OUTBOARD PROFILE



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CONCEPT DESIGN
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TITLE

GENERAL ARRANGEMENT

SCALE

1:100

DATE

SEPT. 03/19

PLOT SIZE

A3

SHEET

3 OF 7

PROJECT

219-055

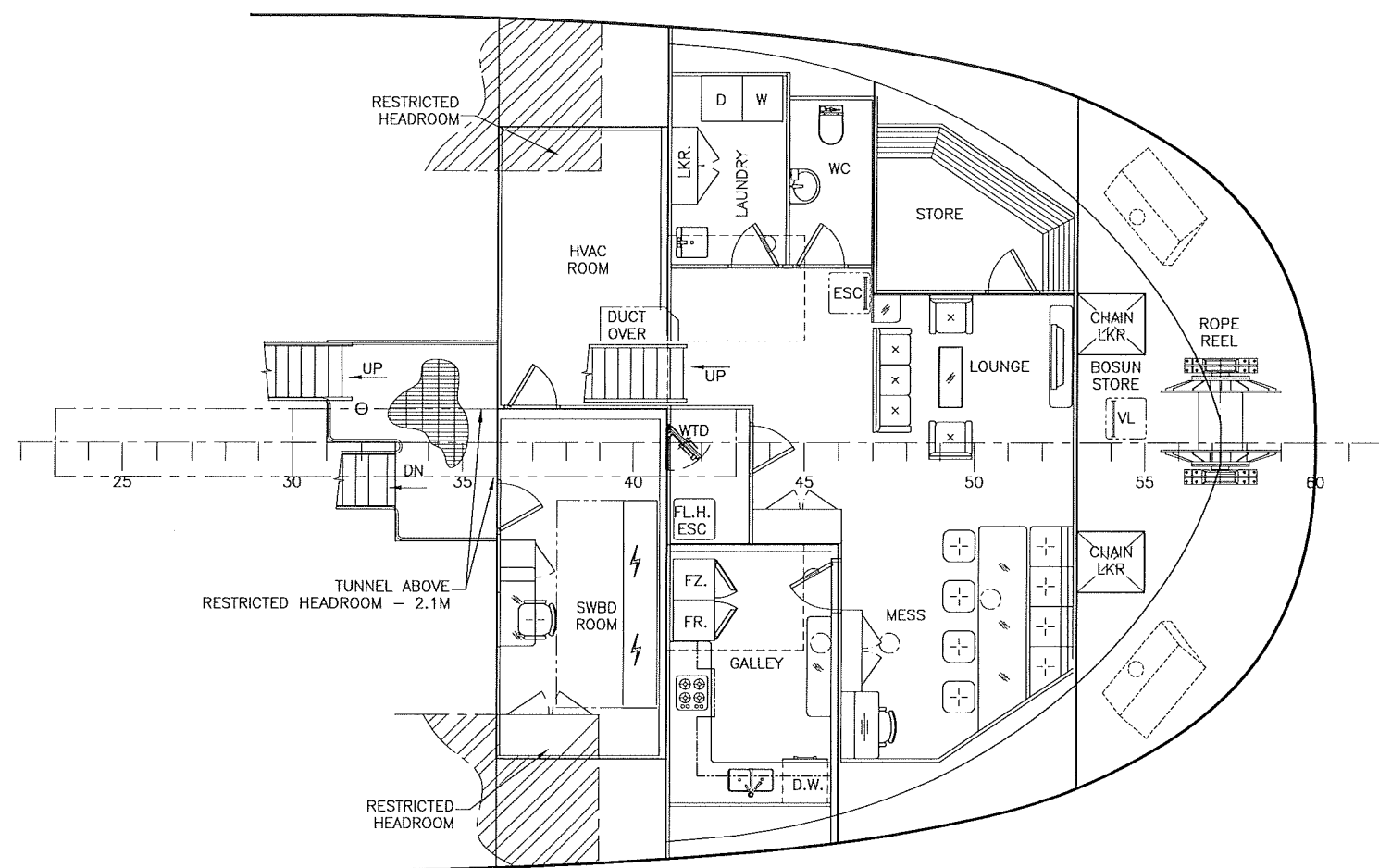
DRAWING

30000

REV.

5

MAIN DECK PLAN



LOWER ACCOMMODATION
DECK PLAN



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DATE

SEPT. 03/19

PLOT SIZE

A3

SHEET

5 OF 7

PROJECT

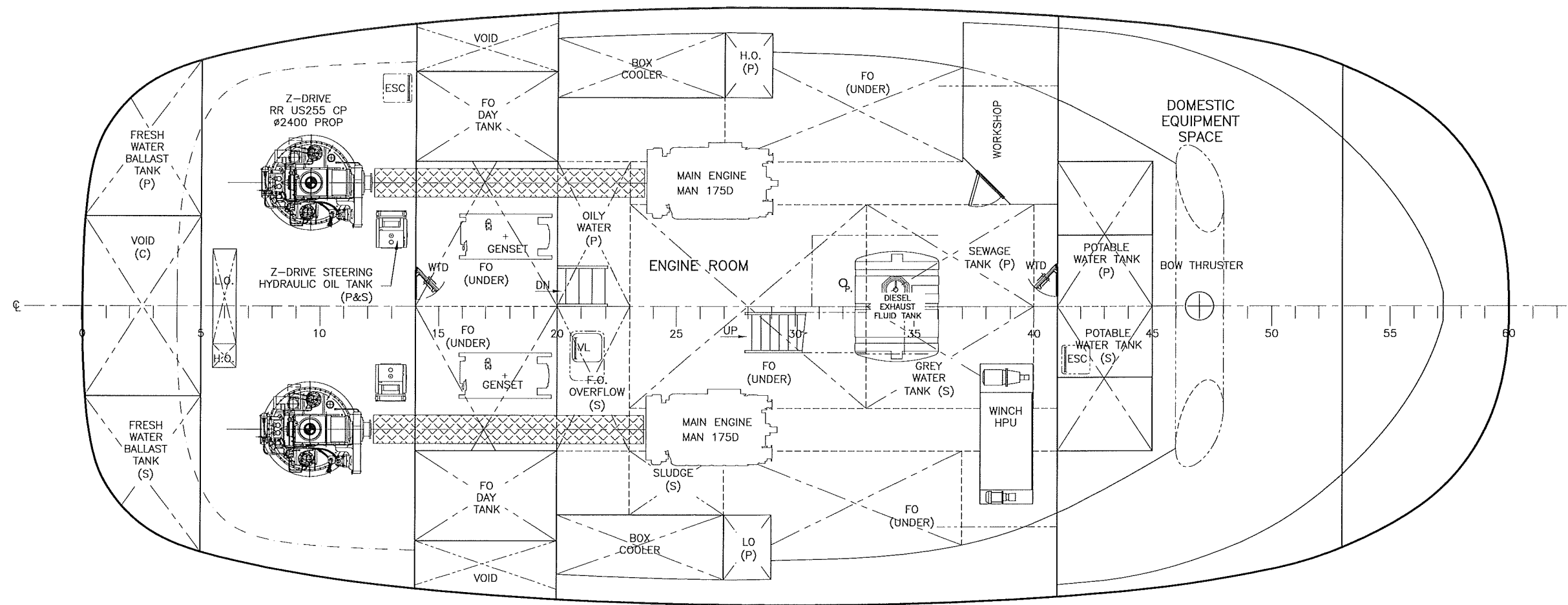
219-055

DRAWING

30000

REV.

5



HOLD PLAN



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SEPT. 03/19

PLOT SIZE

A3

SHEET

6 OF 7

PROJECT

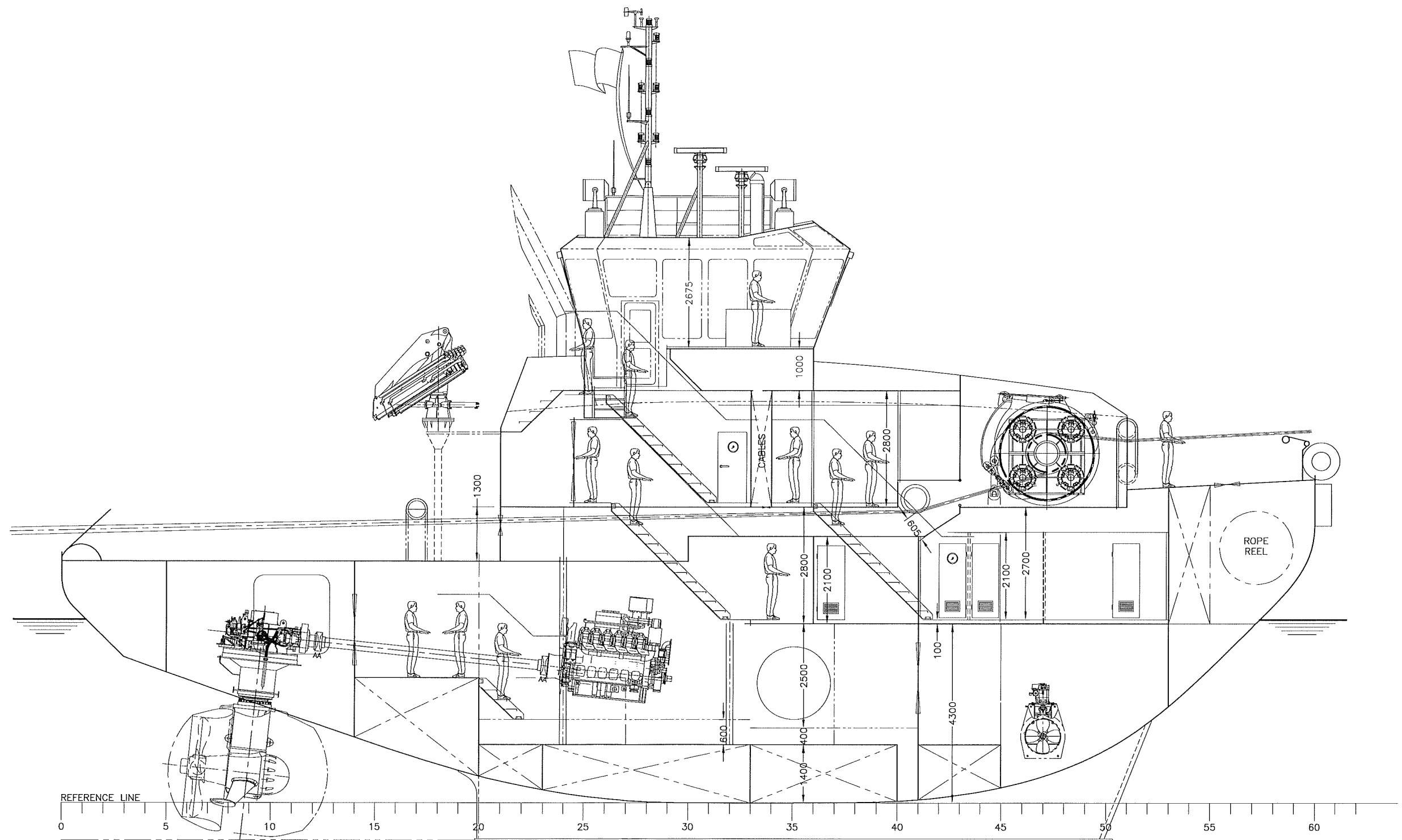
219-055

DRAWING

30000

REV.

5



INBOARD PROFILE



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CONCEPT DESIGN
NOT FOR CONSTRUCTION

TITLE

GENERAL ARRANGEMENT

SCALE

1:100

DATE

SEPT. 03/19

PLOT SIZE

A3

SHEET

7 OF 7

PROJECT

219-055

DRAWING

30000

REV.

5