REQUEST FOR INFORMATION
No. DLN173761I

Overside Handling System
For
Regional Class Research Vessel(s) (RCRVs)

I. SCHEDULE OF EVENTS

SCHEDULE OF EVENTS:

Issue Date ..... November 18, 2014

Due Date and Time ..... January 5, 2015 (3:00 pm, PT)

CONFERENCE:

A conference is not required.

II. ISSUING OFFICE AND CONTACT

ISSUING OFFICE:

The Procurement, Contracts and Materials Management (PCMM) department of Oregon State University (OSU) is the issuing office and is the sole point of contact for this Request for Information. All concerns or questions pertaining to this Request for Information should be appropriately addressed to the individual identified below:

CONTACT PERSON:

Name:	Deanne Lahaie-Noll
Title:	Procurement Contract Officer
Telephone:	(541) 737-1150
Fax:	(541) 737-2170
E-Mail:	deanne.lahaie-noll@oregonstate.edu
Address:	Oregon State University Procurement, Contracts and Materials Management 644 SW 13th Avenue Corvallis, Oregon 97333

III. INTRODUCTION

INTRODUCTION:

This is a Request for Information (RFI), issued by Oregon State University (OSU) Procurement Contracts and Materials Management (PCMM). The purpose of this RFI is to solicit input from potential vendors for information pertaining to overside handling systems for the Regional Class Research Vessel(s) (RCRVs). See information regarding the RCRV project at: http://ceoas.oregonstate.edu/ships/rcrv/. The documents and Exhibits presented for consideration under this RFI are “Draft” documents and are subject to change.

OREGON STATE UNIVERSITY:

Founded in 1868, Oregon State University is a comprehensive, research-extensive, public university located in Corvallis. OSU is one of only two American universities to hold the Land Grant, Sea Grant, Space Grant and Sun Grant designations. OSU is also the only Oregon institution to hold the Carnegie Foundation's top ranking for research universities, a recognition of the depth and quality of OSU's graduate education and research programs.

Through its centers, institutes, Extension offices and Experiment Stations, OSU has a presence in almost every one of Oregon's 36 counties, including its main campus in Corvallis, the Hatfield Marine Sciences Center in Newport and OSU-Cascades Campus in Bend. OSU offers undergraduate, master's and doctoral degrees through 12 academic colleges enrolling more than 25,000 students from every county in Oregon, every state in the country and more than 90 nations.

IV. REQUIREMENTS

OSU is seeking information on winches, A-frames, cranes, booms and other overside equipment that can meet the operational needs of the RCRV(s) and fit within the limited available space and weight envelopes. Information provided may be used in the development of the vessel specifications. OSU intends that the overside handling systems shall be specified and procured by the building shipyard as an integrated package from a single source vendor (SSV) who will be responsible for acquisition, installation and the integration, test and validation (ITV). Please see Exhibit A for SSV Scope of Supply and System Requirements and Exhibit B for RCRV General Arrangements.

The documents and Exhibits presented for consideration under this RFI are "Draft" documents and are subject to change.

V. SUBMITTALS

Respondents are requested to submit the following:

- Submit 2 copies of your response;
- Narrative describing the respondent's approach to fulfilling OSU's requirements;
- Marketing material or brochures of goods or services referenced in the narrative;
- Examples of work and materials from similar projects.

To ensure consideration, responses to this RFI are requested by the due date and time indicated in the Schedule of Events. Responses must be sent to the contact person identified in Section II of this RFI.

Information gathered in this process could potentially be incorporated in a Request for Proposal (RFP). Any resulting RFP will be openly competitive and therefore responses should not be exclusive or restrict competition. Response to this RFI is not required to participate in any resulting RFP. This RFI does not obligate OSU to issue an RFP nor to include information submitted by respondents.

A contract will not be issued directly from this RFI, nor will issuance or acceptance of submittals or subsequent conversations bind OSU into any type of contractual obligation or relationship.

Exhibit A

DRAFT- SUBJECT TO CHANGE

RCRV Overside Handling System

Single Source Vendor (SSV)
Scope of Supply and System Requirements

- Regulatory: CFR, ABS, API-2C, UNOLS RVSS Appendix A & Appendix B

- Traction Winch complex
  - Aft Winch room below decks
  - Constant Tension, heave comp, auto-render and recover
  - Routes to A-frame via turning sheave at crane
  - Interchangeable drums
  - Tension members:
    - 9/16” Wire Rope
    - 0/681” EOM cable
    - 5/8” synthetic

- Hydro Winch
  - 01 Deck
  - Routes to both side appliance and A-frame
  - Constant tension, heave comp, auto-render and recover
  - Interchangeable drums
  - Tension Members
    - 0.393” EOM cable
    - TBD Synthetic hybrid (EOM) cable
    - 3/8” Synthetic rope

- Starboard side appliance (LARS)
  - 3000 lbs luffing
  - Integrated with Hydro winch for launch/recovery
  - Docking head

- Main Crane
  - Dockside Requirement: lift 35000 lbs @ 20 ft, 15000 lbs @ 50 ft
  - Offboard Requirement: lift 17500 lbs @ 20 ft, 7500 lbs @ 50 ft in seastate 3

- A-Frame
  - Double Articulated to reach inboard service position, and closer to water outboard
  - Minimum height: 25 ft, Minimum clear width: 20 ft
  - Minimum outboard clearance 15ft aft of transom

    - Rotating trunnion bolting flange
    - DLT in outboard position = 51,400 lbf
    - Luffing load = 15,000 lbm

- Portable Winch
    - Similar to light duty winches in UNOLS winch pool

- Portable Crane
    - Used for both loading stores and science missions (App B)
    - Mounted on skid, bolted to deck bolt pattern
    - HPU integrated on skid.
    - One location on 02 level forward
    - Capable of mounting at most locations on aft deck
    - Capable of 4200 lbs @ 20 ft dockside – Max reach 25 ft
    - Capable of 3900 lbs @ 15 ft, 2200 lbs @ 25 ft; offboard

- Blocks and sheaves, including hanging blocks

- Portable Port Side Transducer Pole
    - Made in modular pipe sections
    - Length from 2ft below waterline to 10ft below baseline
    - One-person operation

- Possible supply of portable tugger winches

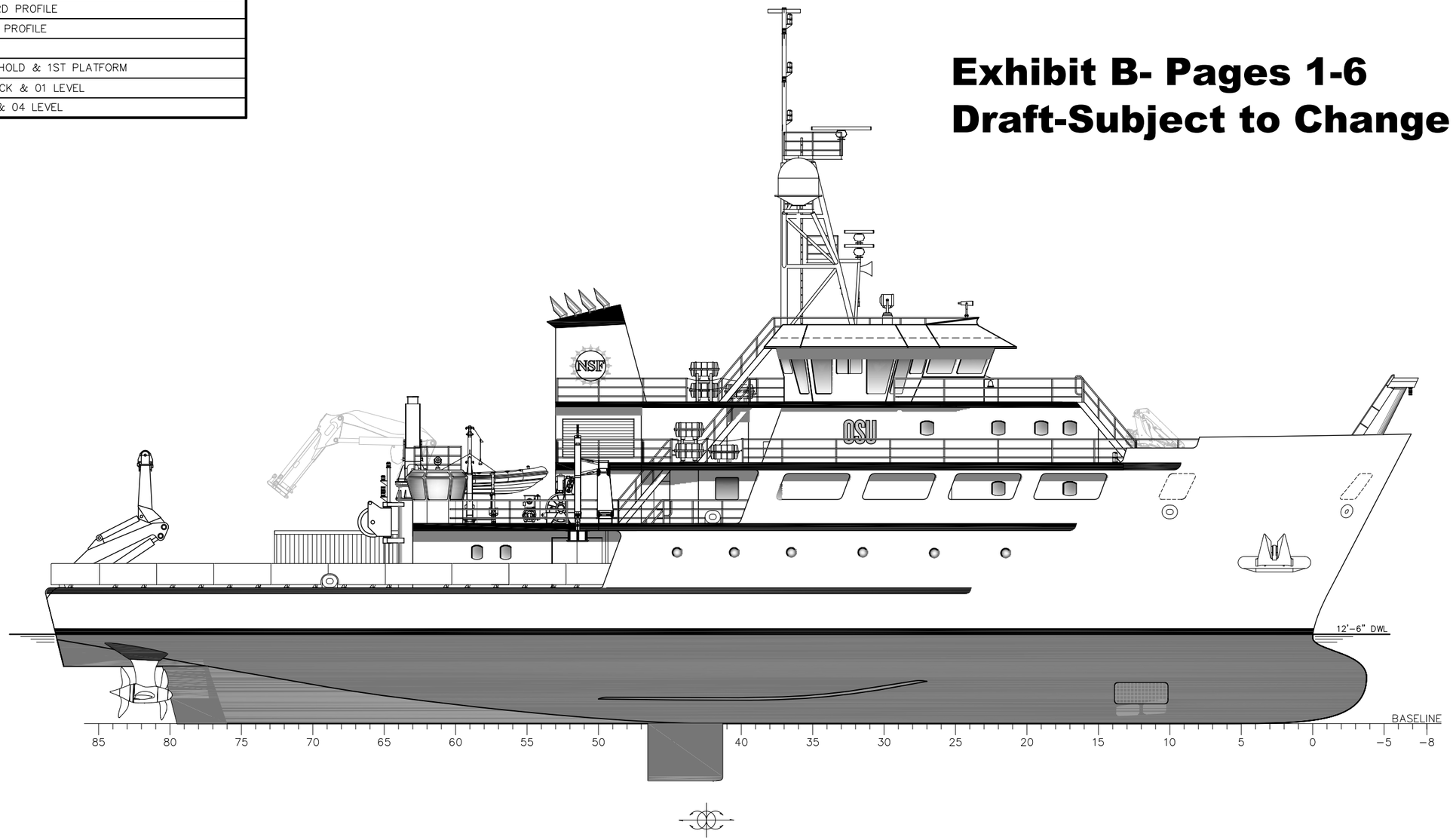
- Controls
    - Integrated wireless chest packs throughout
    - Controls grouped in chest packs (e.g., LARS with Hydro winch)
    - “Hard” backup controls mounted on equipment

- Documentation (dependent on final intellectual property terms)
    - Engineering calculations (Maximum Capability Documents for components and systems)
    - Test Procedures
    - Construction Drawings
    - FEA models

- Crew training and support post delivery
    - System / vessel virtualization software (w/ chestpack)
    - Underway training
    - Underway test & calibration

SHEET LIST	
SHT	TITLE
1	ELEVATION – OUTBOARD PROFILE
2	ELEVATION – INBOARD PROFILE
3	SECTION – END VIEWS
4	PLAN VIEW – TANKS, HOLD & 1ST PLATFORM
5	PLAN VIEW – MAIN DECK & 01 LEVEL
6	PLAN VIEW – 02, 03 & 04 LEVEL

Exhibit B- Pages 1-6
Draft-Subject to Change



ELEVATION 1–4A
OUTBOARD PROFILE

NOTE: PORTABLE EQUIPMENT
SHOWN IN LIGHT GRAY.

VESSEL PARTICULARS

LWL	176'–0"
LOA	190'–10"
BEAM	41'– 0"
HULL DEPTH	19'– 0"
DESIGN DRAFT	12'– 6"
AIR DRAFT	81'– 6" (actual: 81'–7 3/16")
AFT MAIN DECK	2140 FT²
SIDE DECK LENGTH	77'– 0"
TOTAL AFT & SIDE DECKS	2350 FT²
MAIN LAB	525 FT²
HYDRO LAB	255 FT²
COMPUTER LAB	175 FT²
TELEPRESENCE CENTER	245 FT²
SCIENCE BERTHS	7 DOUBLE S/R
ACCESSIBLE SCIENCE BERTHS	1 DOUBLE S/R
CREW BERTHS	7 SINGLE S/R
	3 DOUBLE S/R
MARTEC	1 DOUBLE S/R

REFERENCES

1. GLOSTEN DRAWING NO. 12100–070–02 LINES PLAN

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPD

PRELIMINARY

OREGON STATE UNIVERSITY
CORVALLIS, OREGON

REGIONAL CLASS RESEARCH VESSEL
GENERAL ARRANGEMENTS
ELEVATION – OUBOARD PROFILE

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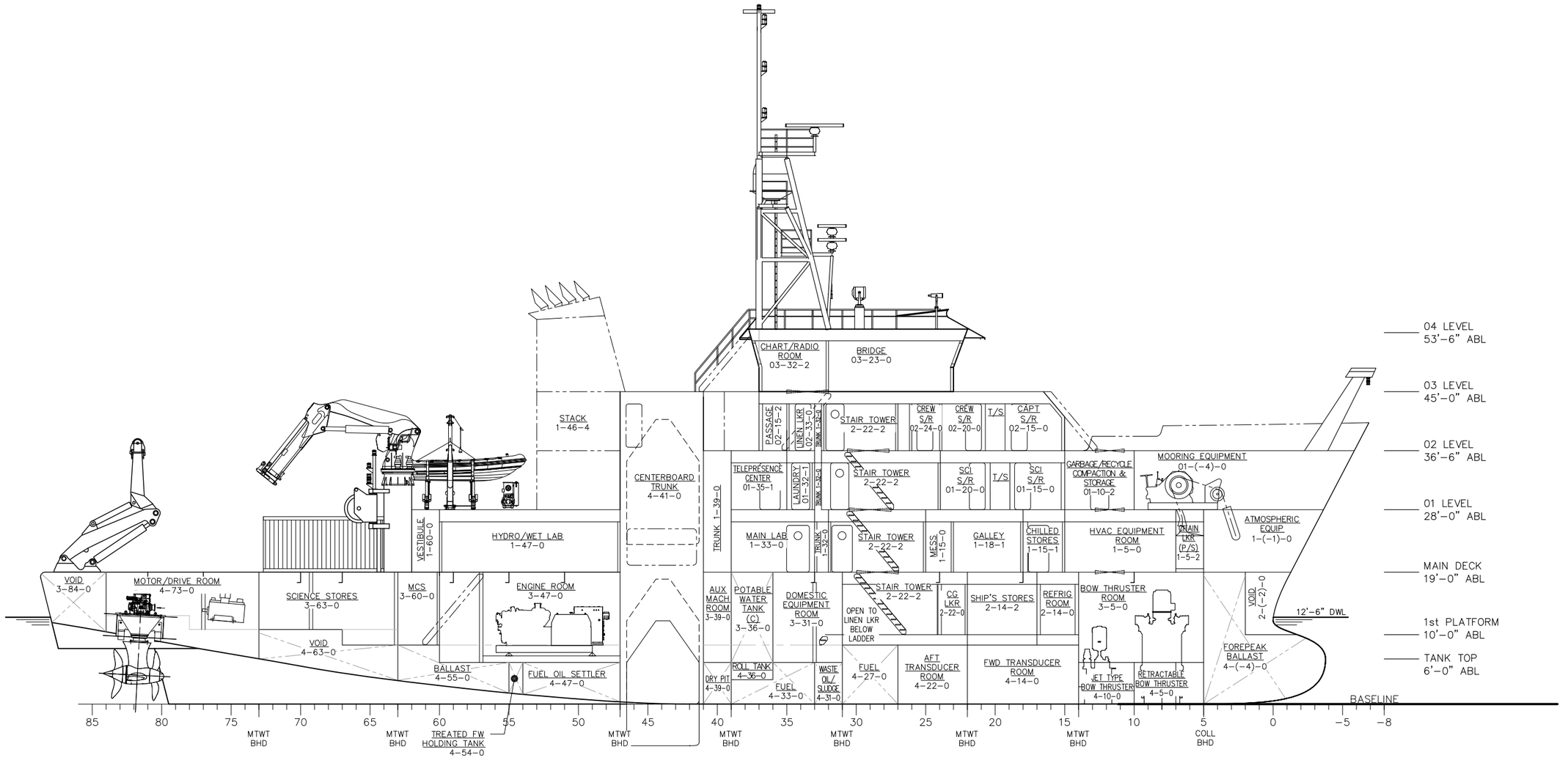
TEL | 206.624.7850
WEB | www.glosten.com

Drawn	Checked	Approved	Date
JCP	EEW	DWL	06/25/2014

Scale	Drawing Number	Sheet	of	Revision
1/16"=1'–0"	12100–070–01	1	6	P17



ELEVATION 2-4A
INBOARD PROFILE

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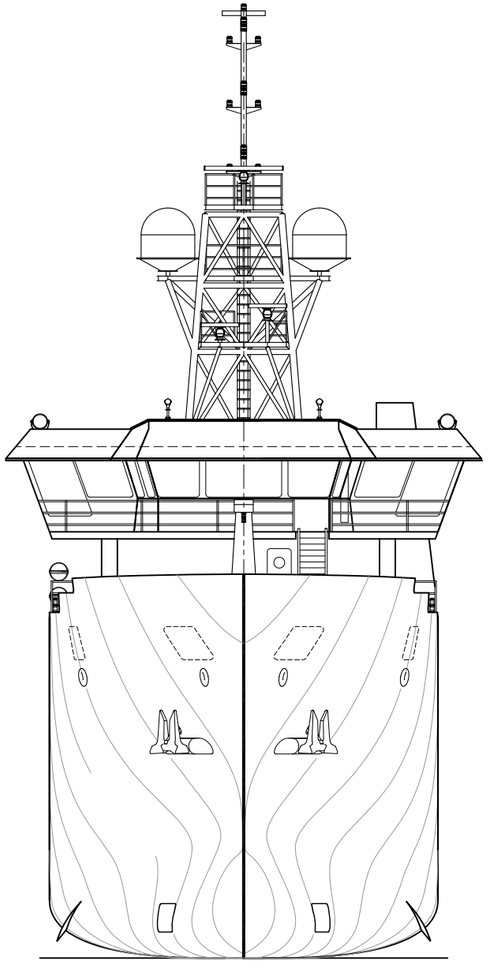
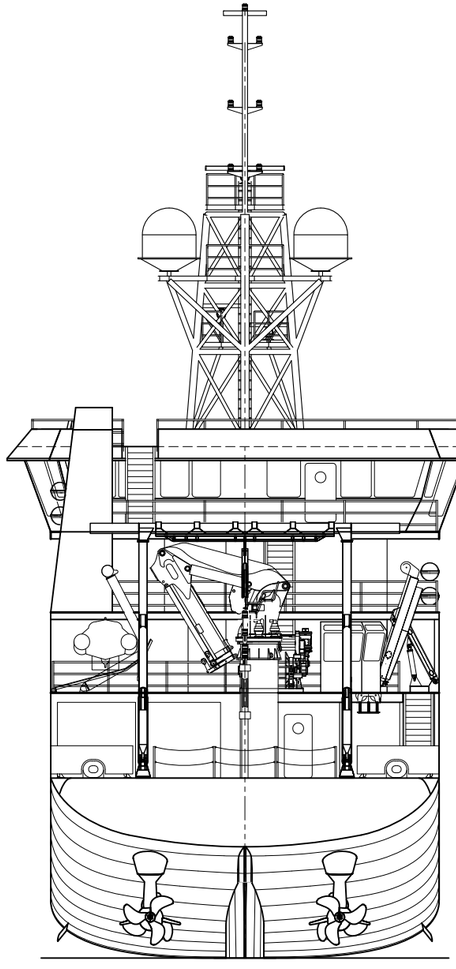


SECTION 3–6A
LOOKING AFT



SECTION 3–3A
LOOKING FWD

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SECTION – END VIEWS

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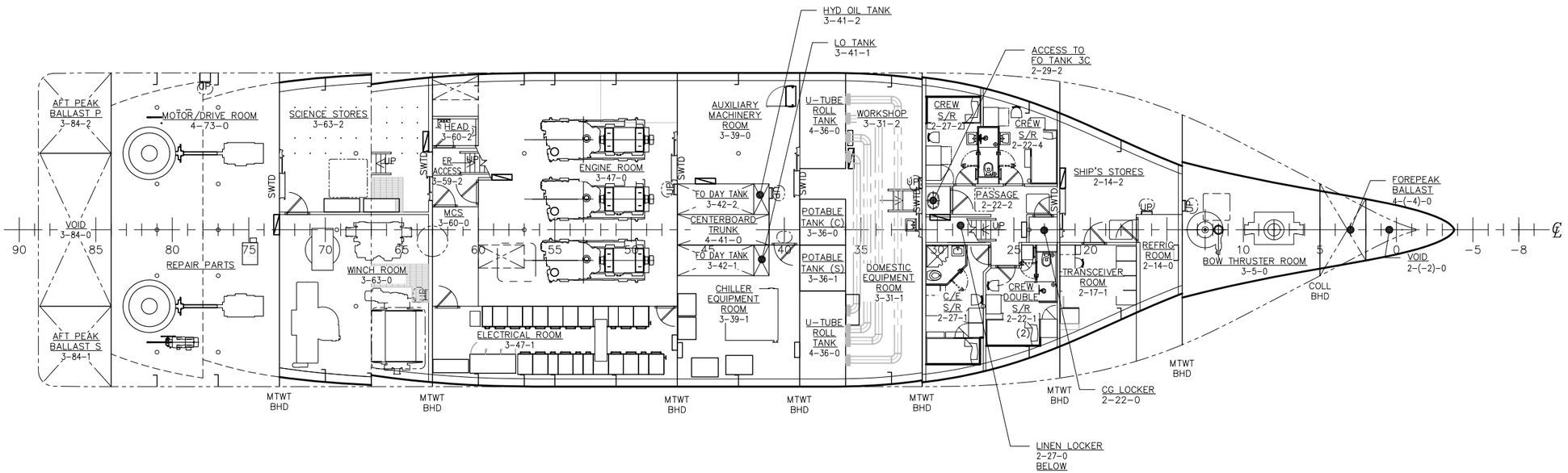
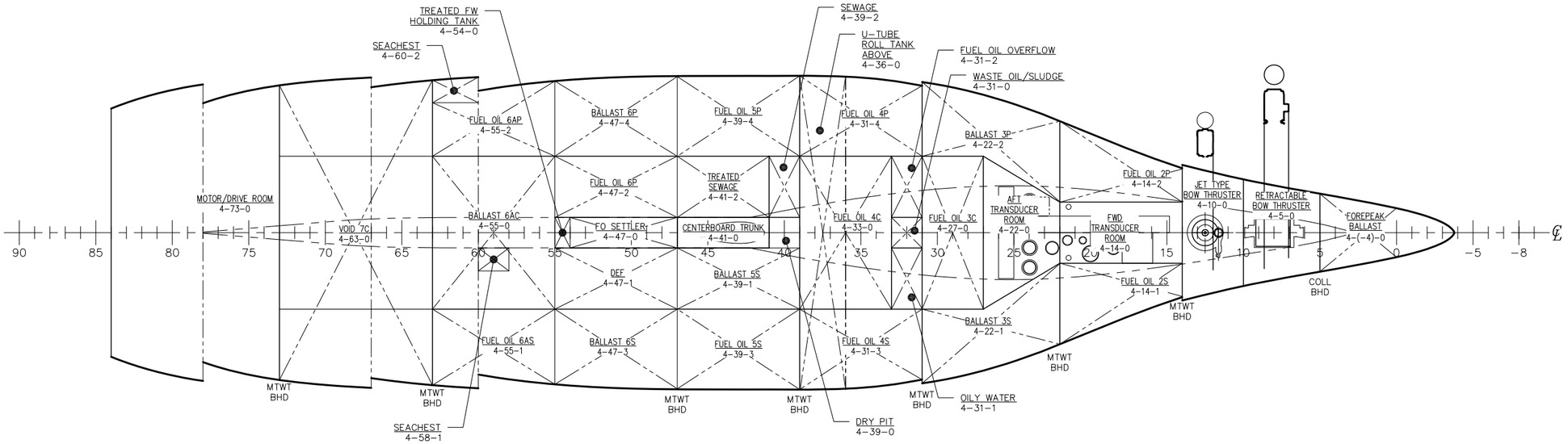


PLAN 4-5C
HOLD & 1ST PLATFORM DECKS



PLAN 4-5A
TANK TOP

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CORVALLIS, OREGON

REGIONAL CLASS RESEARCH VESSEL
GENERAL ARRANGEMENTS
PLAN VIEW – TANKS, HOLD & 1ST PLATFORM

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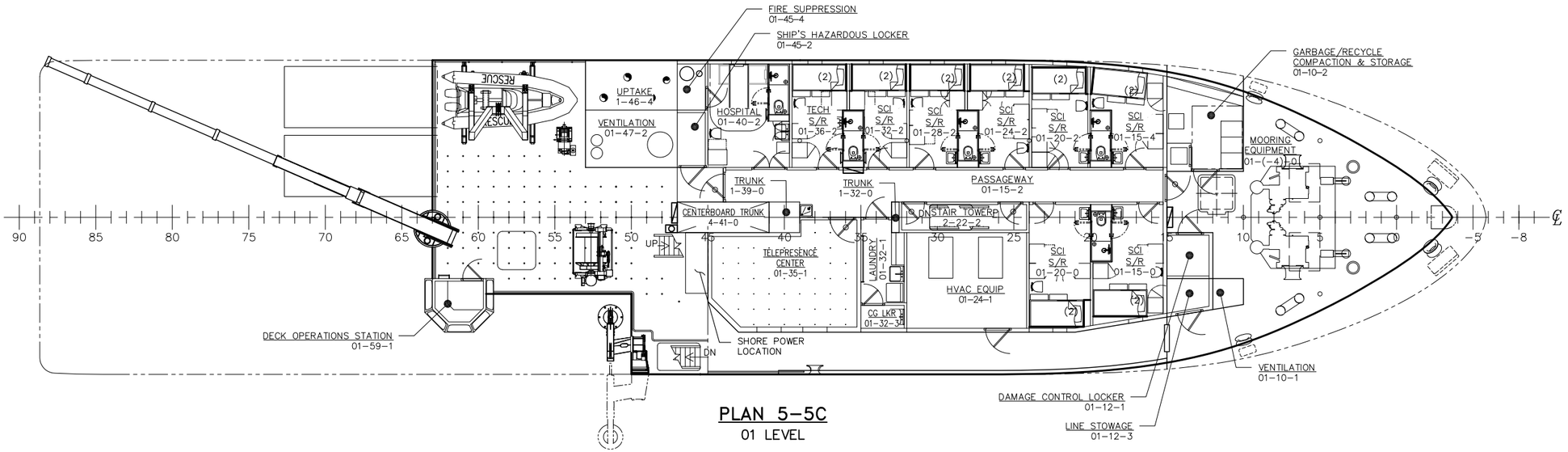
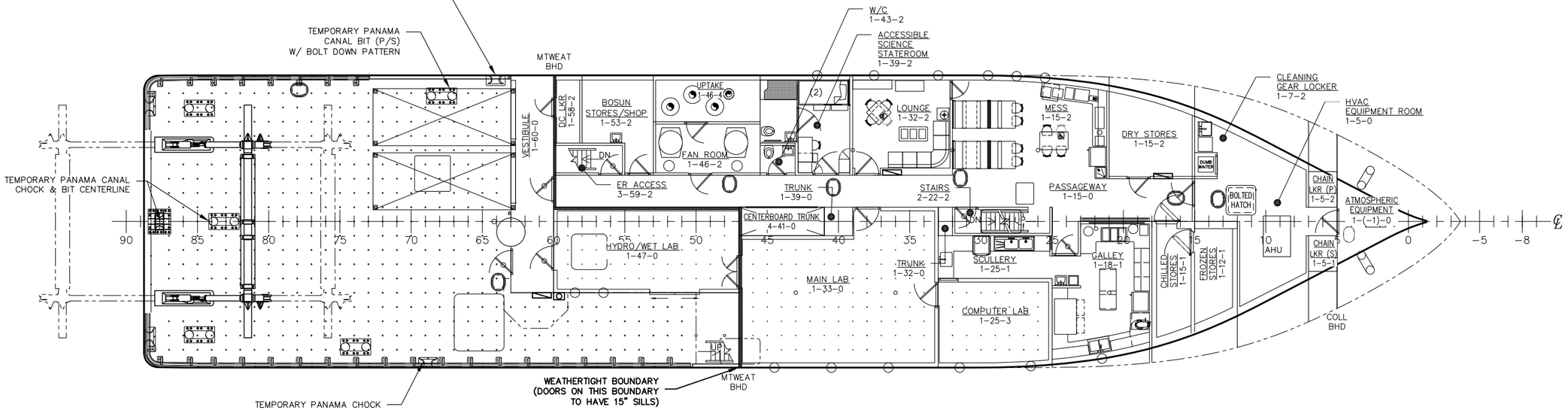


PLAN 5-5C
01 LEVEL



PLAN 5-5A
MAIN DECK

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CORVALLIS, OREGON

REGIONAL CLASS RESEARCH VESSEL
GENERAL ARRANGEMENTS
PLAN VIEW – MAIN DECK & 01 LEVEL

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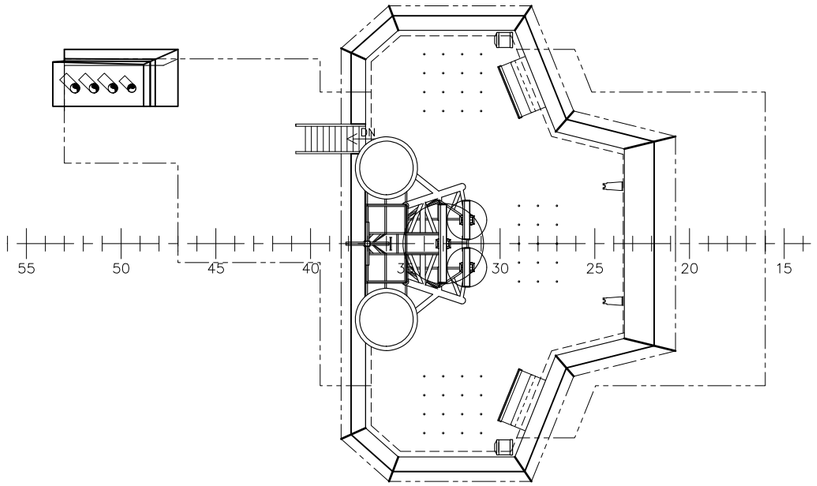
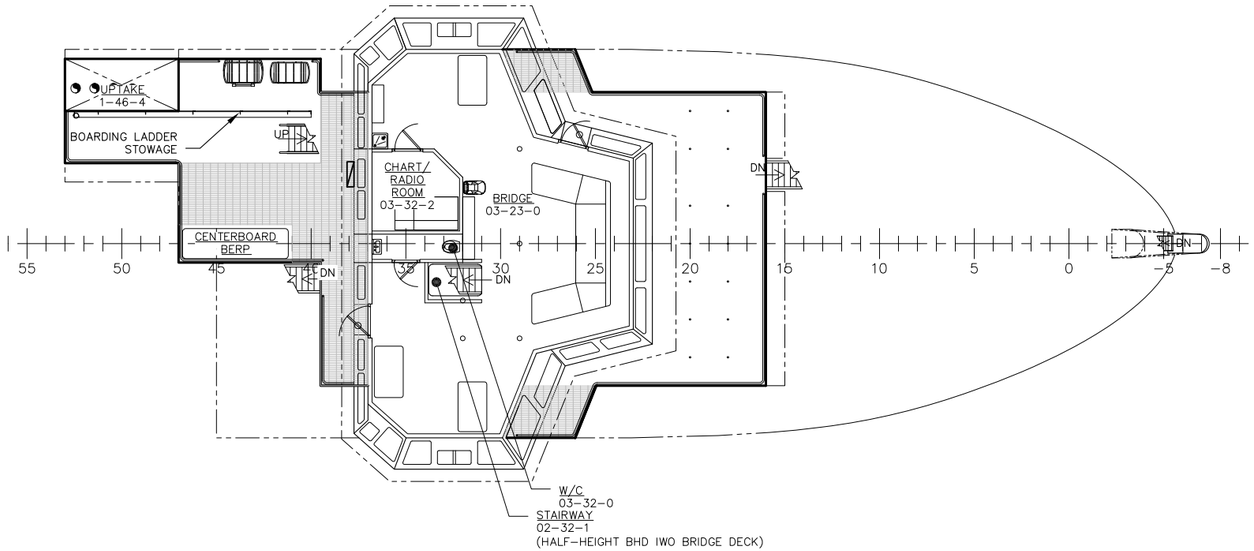
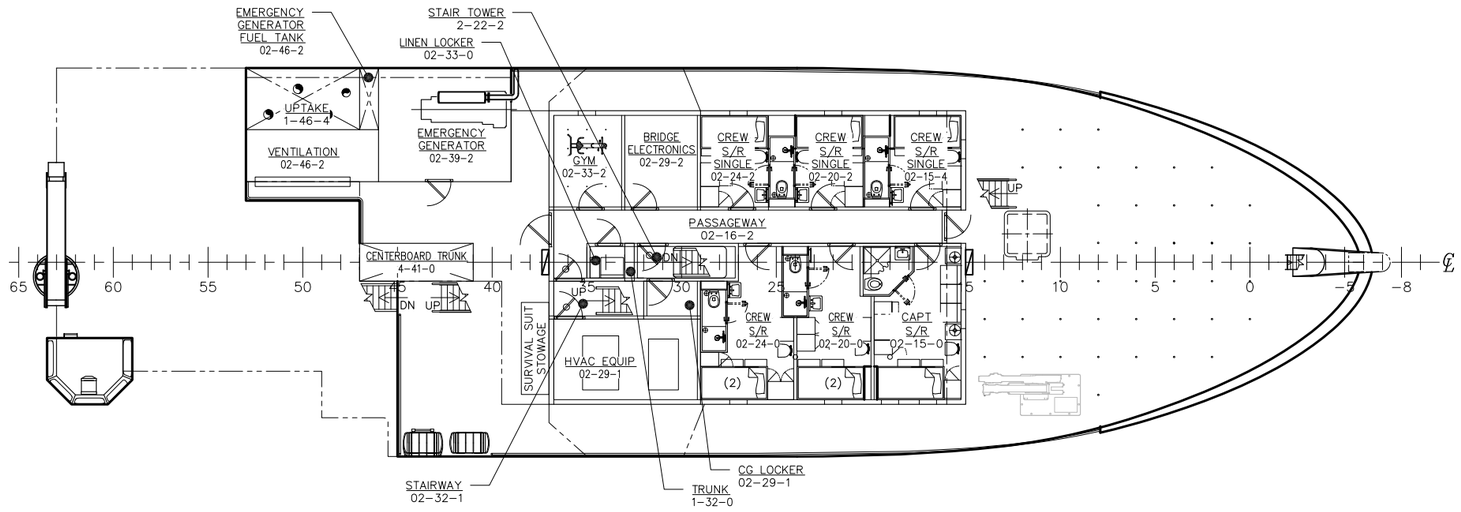


PLAN 6–7C
04 LEVEL (HOUSE TOP)



PLAN 6–3C
03 LEVEL (PILOTHOUSE)



PLAN 6–3A
02 LEVEL

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CORVALLIS, OREGON

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