

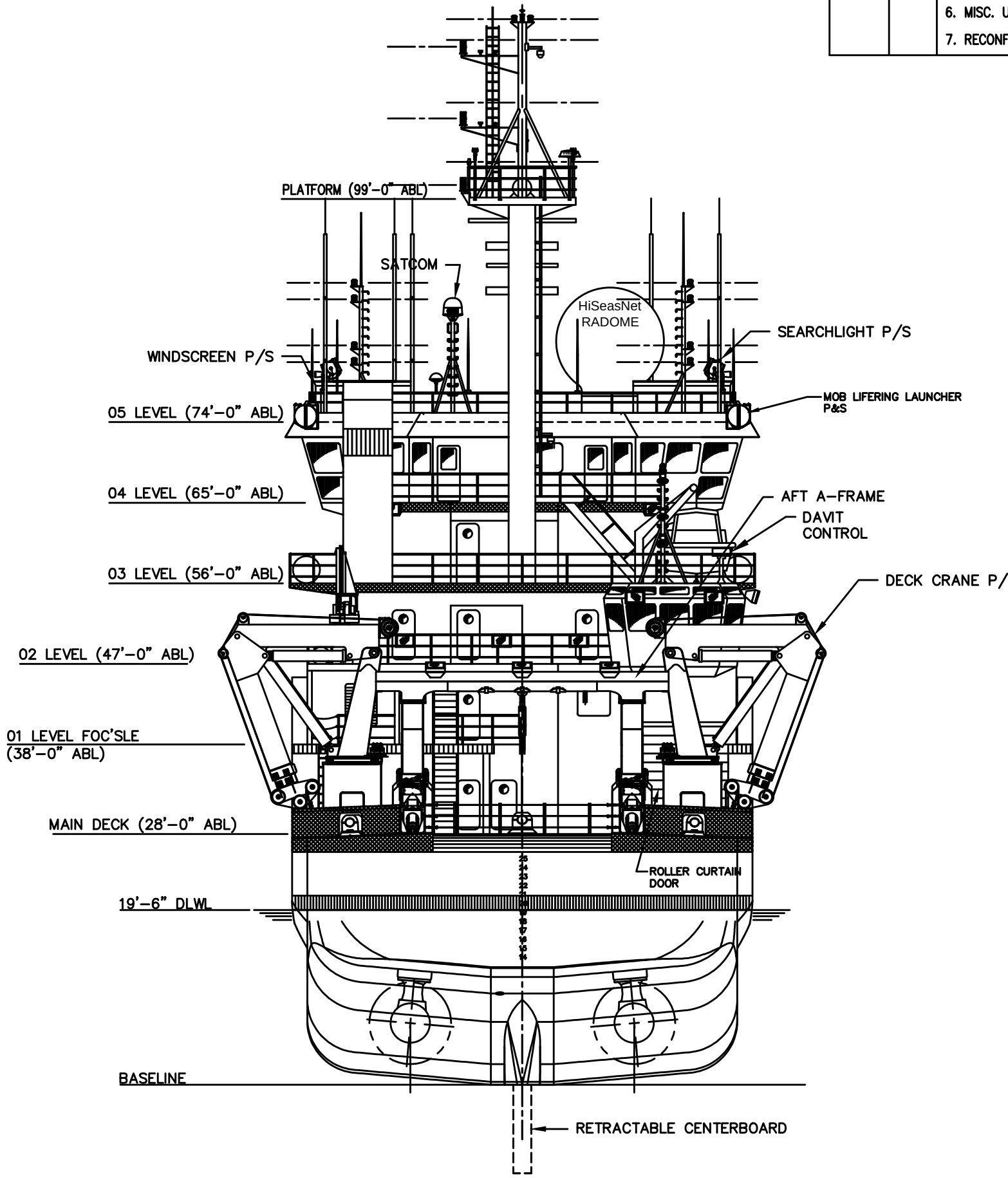
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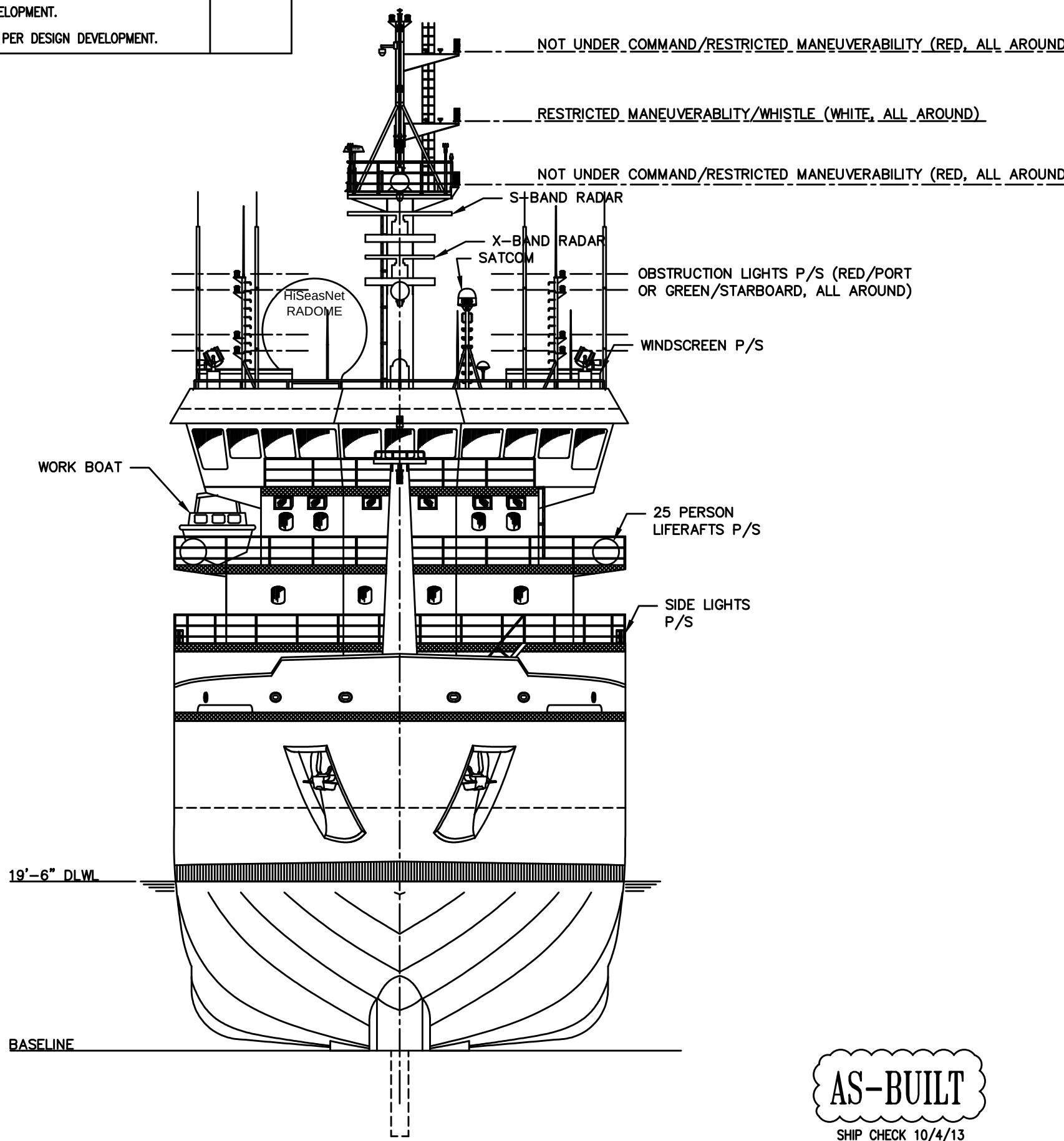
REVISIONS			
SHEET	REV.	DESCRIPTION	DATE
6	D	1. 01 LEVEL: REVERSED SWING OF DOOR 01-16-2 FROM LH TO LHR; REVERSED SWING OF DOOR 01-54-4 FROM RH TO RHR. REVISED PER ABS COMMENT L023.	01/21/13
1,2,3		2. MODIFIED 05 LEVEL VISOR AND WINDSCREEN TO SUIT DESIGN DEVELOPMENT. DESIGN HISTORY 67.	
5,6		3. DELETED CALLOUT FOR PASSAGE 1-15-1 AND ADDED SPACE DESIGNATIONS FOR THE CRANE PEDESTALS ON MAIN DECK, ALL PER UAF COMMENTS.	
7B,13B		4. CORRECTED BALTIC RM ROLLER DOOR CONFIGURATION TO SHOW MECHANISM INSIDE SPACE.	
45B,45C		5. MODIFIED HANDRAILS THROUGHOUT AND REVISED MAST TO SUIT DESIGN DEVELOPMENT.	
2,3,5		6. ADDED SIDELIGHTS FR. 13 ON 02 LEVEL PER DH-072.	
6,7,8		7. RECONFIGURED BOATS AND DAVITS TO DEPICT ACTUAL MODELS PROVIDED.	
48,58		8. ADDED ACCESS DOOR TO HVAC SPACE 03-27-1 PER DESIGN DEVELOPMENT AND DH-068.	
11C,51B		9. RE-DESIGNATED SOFT PATCHES TWO STERN THRUSTERS AS WERP'S.	
2,3,7		10. ADDED MOORING LINE STORAGE REELS IN 01-(-10)-0 AND 1-75-2 PER DESIGN DEVELOPMENT.	
20C,52D		11. REVISED HULL AESTHETIC STRIPING AND SPECIAL MARKINGS TO AGREE WITH THE PAINT SCHEDULE.	
47B		REV D CONTINUED ON SHEET 2	
3,6			
2			



STERN VIEW
3/32"=1'-0"

PRINCIPAL CHARACTERISTICS (MOLDED)	
LENGTH OVERALL	261'-6"
LENGTH WATERLINE	239'-11"
BEAM, MAXIMUM	52'-0"
DEPTH, MAIN DECK @ CL	28'-0"
DRAFT, DESIGN WATERLINE	19'-6"
DRAFT, DESIGN W/CENTERBOARD DEPLOYED	30'-3"
FREEBOARD, MAIN DECK @ SIDE	8'-0"
MAX HEIGHT ABOVE KEEL	120'-0"
FUEL OIL CAPACITY AT 95%	APPROX. 160,000 GAL
FRESH WATER CAPACITY AT 100%	APPROX. 13,000 GAL

REVISIONS			
SHEET	REV.	DESCRIPTION	DATE
ALL	B	1. ADD 6' OF LENGTH TO THE VESSEL (CR 19).	01/19/11
		2. ADD MOTOR ROOM AND RELOCATE BHDS AFT OF FRAME 67.	
		3. CHANGE DECKHOUSE ABOVE 02 LEVEL TO ALUMINUM (CR 21).	
		4. OFFSET AFT CRANES AND REMOVE FORWARD CRANE.	
		5. MOVE MG SET ROOM FORWARD AND AFT WINCH ROOM AFT	
		6. SHORTEN PILOTHOUSE	
		7. UPDATE PRINCIPLE CHARACTERISTICS FOR LONGER DEEPER BOAT	
		8. MISC MINOR UPDATES PER CHANGE REQUEST 19, 20, 21 & 22	
		9. ADDED USCG APPROVAL.	
		10. RELEASED RESERVATION 10, BRIDGE CONSOLE ARRANGEMENT.	
ALL	C	1. UPDATED LAYOUT IN EMERGENCY GENERATOR ROOM (01-70-2). ADDED COFFERDAM 01-70-2 PER ABS DIRECTION.	6/6/11
		2. UPDATED LAYOUT IN INCINERATOR ROOM (01-64-2).	
		3. ADDED JACKET WATER HOLDING TANK (4-63-2)	
		4. UPDATE SHAFTING & COUPLING ARRANGEMENT FOR Z-DRIVE UNITS.	
		5. REMOVED RESERVATIONS 3,4,8 & 9.	
		6. MISC. UPDATES PER DESIGN DEVELOPMENT.	
		7. RECONFIGURED VOID (3-114-0) PER DESIGN DEVELOPMENT.	



BOW VIEW
3/32"=1'-0"

AS-BUILT
SHIP CHECK 10/4/13

HALF SIZE
PRINT

REVISIONS			
SHEET	REV.	DESCRIPTION	DATE
ALL	A	1. REMOVED LONGITUDINAL BHD IN AFT WINCH ROOM.	10-30-10
		2. CRANE PEDESTAL BASE INCREASED TO 78" DIA.	
		3. ADDED CANTED BOW FRAME STRUCTURE TO ALL PLAN VIEWS.	
		4. ADDED NEW FOREMAST PER CR-9	
		5. MODIFIED SHAPE OF SEWAGE TANK 3-21-0	
		6. UPDATED MOORING & ANCHOR ARRANGEMENT.	
		7. VOID 3-11-0 MOVED TWO FRAMES AFT & RENAMED 3-14-0.	
		8. MISC. MINOR UPDATE FOR DESIGN DEVELOPMENT.	
		9. ADDED USCG APPROVAL.	
		10. REVISED BRIDGE FRONT WINDOWS PER CR-13.	
		11. RELEASED RESERVATIONS 1 & 5.	
		12. ADDED RESERVATIONS 10 & 11.	
		13. MODIFIED T&S MODULES THROUGHOUT TO SUIT DESIGN DEVELOPMENT.	
		14. REVISED BOTH LAUNDRY LAYOUTS PER DESIGN DEVELOPMENT.	
		15. REVISED ALL FRFRIG SPACE BOUNDARIES PER DESIGN DEVELOPMENT.	

REVISIONS			
SHEET	REV.	DESCRIPTION	DATE
ALL	-	1. THIS DRAWING DEVELOPED FROM GLOSTEN DWG#07096-070-01AC.	6-23-10
		2. ADD BHD AT FR 5 EXTEND TO BOTTOM SHELL WITH PERFORATED PLATE AT 1ST PLAT IN CHAIN LOCKER.	
		3. ADD TRUNK AROUND STAIRS IN DRY STORES.	
		4. CHANGE RESCUE BOAT TO 16'.	
		5. ADJUST MANHOLES AS REQUIRED.	
		6. CHAMFER BHDS AND HEADER FRAMES INWAY OF STAIRS WITH HEAD HEIGHT PROBLEMS.	
		7. INCORPORATED CHANGE REQUESTS CR-1,3,4,7,8 AND PARTIAL CR-5.	
		8. CHANGE SWIT DOORS TO SMOOTH SIDE OF BHD.	
		9. MERGE SWB 4-49-0A, VOID 4-49-2 & VOID 4-49-1 INTO VOID 4-49-0A, CHANGE VOID 4-40-0 TO VOID 4-40-1, VOID 4-40-2 AND SWB 4-40-0.	
		10. REARRANGED MESS & LOUNGE.	
		11. CHANGE VOID 4-30-1&2 TO SWB; CHANGE 4-21-2&1 TO VOID 4-21-0.	
		12. REARRANGED CHEM STORES.	
		13. MOVE MG SETS TO BOSUNS STORE ROOM ADD CL BHD PER CR-5.	
		14. ADD CURRENT ENGINE SIZE AND ROTATE 180 DEGREES PER CR-5.	
		15. MOVE JACOBS LADDER DOWN ONE DECK, EXTEND LIFERAFT PLATFORM TO 6FT OFF HOUSE SIDE.	
		16. INCREASE FO DAYTANK SIZE.	
		17. MOVE AFT LIFT TO AFT OF FR. 67.	
		18. REARRANGING WINCHES BASED ON EQUIPMENT SELECTION.	
		19. MOVE LADDER FWD IN LOWER MACHINERY SPACE.	
		20. ADD VESTIBULE TO UPPER MACHINERY SPACE.	
		21. ADD FWD AND AFT SCIENCE SEACHEST.	
		22. MISC UPDATES FOR DESIGN DEVELOPMENT.	
		23. SHIFTED BOWTHRUSTER AFT ONE FRAME.	

- REFERENCES**
- GPA/MMC DWG. NO. 0650-070-02, LINES PLAN
 - GPA/MMC DWG. NO. 0650-200-01, MACHINERY ARRANGEMENT
 - ALASKA REGION RESEARCH VESSEL CONTRACT SPECIFICATIONS
 - GPA/MMC DWG. NO. 0650-529-01, BILGE & BALLAST SYSTEM DIAGRAM
 - GPA/MMC DWG. NO. 0650-541-01, F.O. SERVICE, FILL, TRANSFER & PURIFICATION SYSTEM DIAG.
 - GPA/MMC DWG. NO. 0650-100-05, SEACHEST ARRANGEMENT AND DETAILS
 - GPA/MMC DWG. NO. 0650-610-01 MOORING ARRANGEMENT

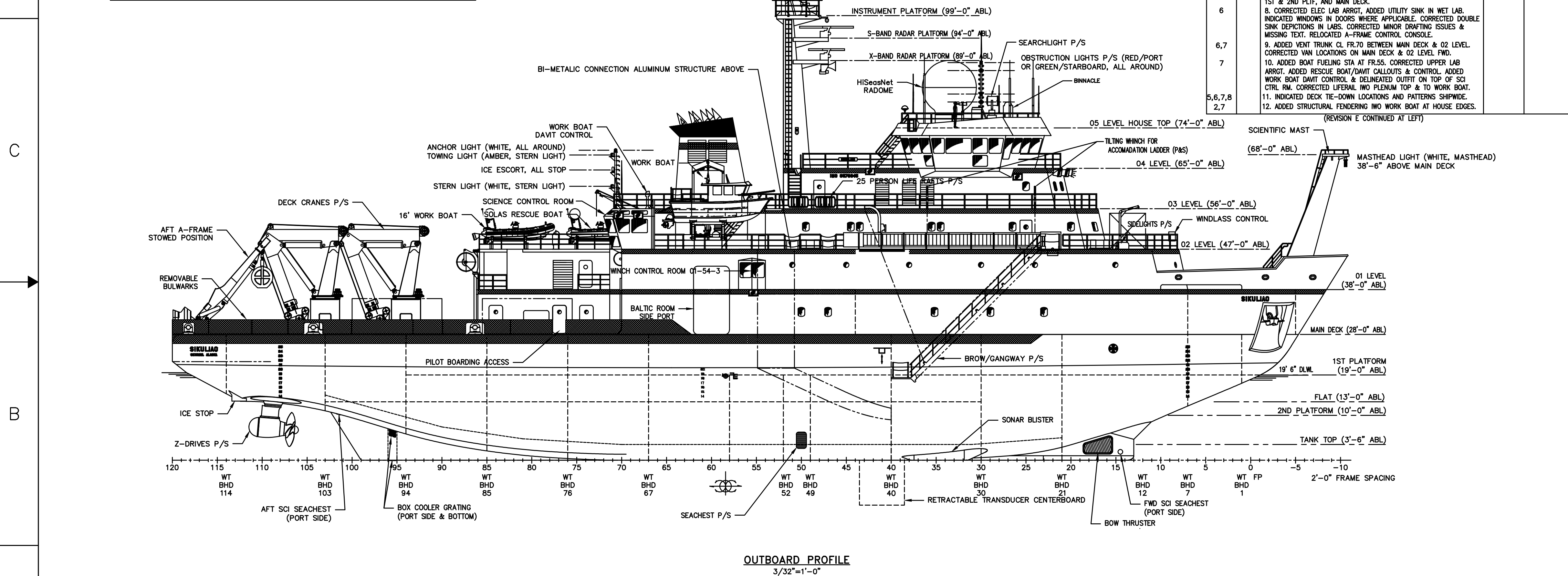
- RESERVATIONS**
- FOREMAST PENDING CHANGE REQUEST 9
 - FORE DECK CRANE PENDING EQUIPMENT SELECTION
 - CRANE PENDING EQUIPMENT SELECTION
 - AFT A-FRAME PENDING EQUIPMENT SELECTION
 - WORK BOAT PENDING EQUIPMENT SELECTION
 - TRANSDUCER ROOM (4-30-0) PENDING ARRANGEMENT
 - BOW THRUSTER MOTOR PENDING EQUIPMENT SELECTION
 - ANTI ROLL TANK GEOMETRY PENDING EQUIPMENT SELECTION
 - FINAL MOORING ARRANGEMENT
 - FINAL BRIDGE ARRANGEMENT TBD

GUIDO PERLA & ASSOCIATES, Inc.
701 FIFTH AVENUE, SUITE 1200 SEATTLE, WA. 98104 U.S.A.
Tel: (206) 768-1515 Fax: (206) 768-9700 Email: gpa@gpai.com

MARNETTE MARINE CORPORATION
MARNETTE WISCONSIN 54143

PE STAMP:		CONTRACT NO: UAF 10-0040	
		UNIVERSITY OF ALASKA FAIRBANKS FAIRBANKS, ALASKA	
		"R/V SIKULIAQ"	
		GENERAL ARRANGEMENT	
DATE:			
APRV:			
APRV: SG 6/04/2010			
CHKD: AML 5/12/2010			
DWN: CLB/JM 5/11/2010			
USCG APVD:	DATE:	SIZE	FRGM CASE NO
42-1001791	7/15/2010	D	98042
ABS APVD:	DATE:	DRAWING NO.	REV
		0650-601-01	G
SCALE AS NOTED		SHEET 1 of 8	

REVISIONS					REVISIONS					REVISIONS					REVISIONS						
SHEET	REV.	DESCRIPTION	DATE	APPROVED	SHEET	REV.	DESCRIPTION	DATE	APPROVED	SHEET	REV.	DESCRIPTION	DATE	APPROVED	SHEET	REV.	DESCRIPTION	DATE	APPROVED		
7	F	DELETED 5 CO2 BOTTLES IN CO2 LOCKER. ADDED PILOTS EMBARKATION PORT SIDE AT FR 98. REVISED "FWTH" TO "FOAWTH" AT FR 74 (S), 48 (S), 14 (CL) & 3 (S). REVISED DOOR SWING TO VESTIBLE (1-64-4) & CTRBD WELL (4-38-0).			1	F	1. BOW & STERN VIEW: ADDED "HISecsNet" TO RADOME. REVISED DEPICTION OF UPPER MAST.			VAR	E	13. ADDED MISC EXTERIOR DECK DETAIL SUCH AS TAFFRAIL, WINDLASS CONTROL, VENT LOUVERS ETC TO SUIT AS-BUILT CONDITION.			5,6	D	12. REVISED EQUIPMENT ARRANGEMENTS IN REFR MACHY 2-21-1 AND TRASH STRO SP 1-69-2 PER UAF COMMENTS.	01/21/13	PWH		
		01 LEVEL: RECESSED JOINER WORK ON OUTBD SIDE OF MESS BTWN FR 37 & 40. REVISED "FWTH" TO "FOAWTH" AT FR 14 (CL) & FR 3 (S). ADDED OPERATORS STAND/PLATF TO ANCHOR WINDLASS AT FR 4.			2		2. OUTBOARD PROFILE: ADDED "HISecsNet" TO RADOME. ADDED TILTING WINCH FOR ACCOMADATUION LADDER ON 03 LVL AT FR 24 & 36.			VAR		14. REVISED MISC INTERIOR MACHINERY SPACE DETAIL AND STOWAGE AIDS ETC TO SUIT AS-BUILT CONDITION.			6		13. ALTERED DOOR SWING VEST 01-8-1 JOINER DOOR TO CORRECT INTERFERENCE AND WAKE USAGE.				
		02 LEVEL: ADDED DEPICTION OF SHORE POWER CABLE STWGS AT FR 68 (S). REVISED DEPICTION OF BS CONTROLS & ADDED RAISED PLATFORM IN SCIENCE CONTROL RM (02-67-1). REVISED "FWTH" TO "FOAWTH" AT FR 14 (CL).			3		3. INBOARD PROFILE: ADDED OPERATORS STAND/PLATF ON ANCHOR WINDLASS ON 01 LVL AT FR 4.			5,6,7,8		15. ALTERED DOOR SWING PASSAGE 1-7-2 AT FR 7 TO CORRECT.			2,3,7		14. MODIFIED SPARE WORKBOAT LOCATION PER ECN 0650-583-01-002.				
		03 LEVEL: ADDED TILTING WINCH FOR ACCOMADATION LADDER (P&S) AT FR 24 & 36.			4		4. INNER BOTTOM: ADDED DEPICTION OF AFT SKEG. REVISED "FWTH" TO "QAWTH" AT FR 34 (S).			6,7		16. ADDED "1" LINER ON INBOARD BHD IN LOUNGE/LIBRARY (01-16-2) AND MESS/LOUNGE (01-24-2) AND PASSAGE (03-25-2) -IMO CSD TRUNK PER UAF DIRECTION.			6,7		15. ALTERED "1" LINER ON INBOARD BHD IN LOUNGE/LIBRARY (01-16-2) AND MESS/LOUNGE (01-24-2) AND PASSAGE (03-25-2) -IMO CSD TRUNK PER UAF DIRECTION.				
8		04 LEVEL: DELETED "45X24X48 CABINET" CALLOUT.			5		5. 2ND PLATFORM: REVISED "FWTH" TO "FOAWTH" AT FR 17 (CL) & 48 (S). REVISED "FWTH" TO "QAWTH" AT FR 34 (S).			7		17. REARRANGED FURNITURE IN CHIEF ENGR CABIN 03-20-2 AND SCIENCE OFFICE 1-21-2 TO SUIT AS-BUILT CONDITION.			3,6,7	E	1. RENAMED LIFT MACHRY AND ELEV MACHRY SPACES AT 01 AND 02 LEVELS AS "LIFT SHAFT" PER CHANGES TO 070-04 DRAWING.	10/08/13	PWH		
3		05 LEVEL: ADDED CALLOUT "OBSTRUCTION" LIGHTMAST. ADDED "VDR" TO TRANSPONDER CALLOUT & ADDED "HISecsNet" TO RADOME.			6		6. MAIN DECK: REVISED LOCATION OF LEADER FOR QAWTH FROM MANHOLE 7'-0" OFF CL (S) BTWN FR 114 & 115 TO QAWTH 16'-10" OFF CL (S) BTWN FR 115 & 114. ADDED CALLOUT FOR INBD MANHOLES FR. 115 P&S.					18. INDICATED CONSOLE ARRANGEMENT IN SCIENCE CONTROL RM 02-67-1. DRAWING ISSUED AS-BUILT.			1		2. ADDED MAX HEIGHT DIM TO PRINCIPAL CHARACTERISTICS.				
2		9. ADDED RAT HOLES IN LONG. BHD IN FO TANK (3-76-0) BTWN FR 77-81. ITEMS 1-8 TO SUIT UAF COMMENTS dtd 1/24/14. ITEM 9 TO SUIT DCON DEVELOPMENT. DRAWING ISSUED AS BUILT.	2/17/14	PWH	REVISION F CONTINUED AT LEFT												3		3. CORRECTED SCIENCE & WINCH CONTROL RM DESIGNATIONS. ADDED AFT SCI SEACHEST & BOX COOLER IN SKEG.		
6	G	1. OUTDO PROFILE: REVISED DEPICTION OF UPPER MAST.			ANCHOR LIGHT (WHITE, ALL AROUND)												1,2		4. SHOWED CORRECT A-FRAME CONFIGURATION.		
		2. MAIN DECK: REVISED CALL OUT "A-FRAME CONTROL" TO "A-FRAME CONTROL PEDESTAL". REVISED LEADER LOCATION FOR WINCH WIRE CHASE LOCATED AT FR 63 (S). ITEMS 1&2 TO SUIT UAF COMMENTS dtd 3/24/14. DRAWING ISSUED AS BUILT.	4/1/14	PWH	TOWING LIGHT (WHITE, MASTHEAD)												3		5. ADDED ACCESS TO CTR BOARD TRUNK AT FR.42, 03 LEVEL, AND DESIGNATED CALL-OUT FOR SKEG.		
					TOWING LIGHT (WHITE, MASTHEAD)												1,2,3,6		6. CORRECTED DEPICTION OF BOTTOM PLAN & 2ND PLTF FWD OF BOW THRUSTER RM. ADDED 12" CROSS CONNECT DUCT AT FR. 48.5 THRU SW BALLAST TK 4-40-0, AND TRANSDUCER DEPICTION IN TRANSDUCER WELL 4-67-0.		
					WHISTLE												5,6		7. CORRECTED HINGE ORIENTATION AND CALL OUTS FOR HATCHES ON 1ST & 2ND PLTF, AND MAIN DECK.		
					AFT MASTHEAD/TOWING LIGHT (WHITE, MASTHEAD)												6		8. CORRECTED ELEC LAB ARRGT, ADDED UTILITY SINK IN WET LAB. INDICATED WINDOWS IN LABS. CORRECTED MINOR DRAFTING ISSUES & MISSING TEXT. RELOCATED A-FRAME CONTROL CONSOLE.		
					INSTRUMENT PLATFORM (99'-0" ABL)												6,7		9. ADDED VENT TRUNK CL FR.70 BETWEEN MAIN DECK & 02 LEVEL. CORRECTED VAN LOCATIONS ON MAIN DECK & 02 LEVEL FWD.		
					S-BAND RADAR PLATFORM (94'-0" ABL)												7		10. ADDED BOAT FUELING STA AT FR.55. CORRECTED UPPER LAB ARRGT. ADDED RESCUE BOAT/DAVT CALLOUTS & CONTROL. ADDED WORK BOAT DAVIT CONTROL & DELINEATED OUTFIT ON TOP OF SCI CTRL RM. CORRECTED LIFERAIL TWO PLENUM TOP & TO WORK BOAT.		
					HISecsNet RADOME												2,7		11. INDICATED DECK TIE-DOWN LOCATIONS AND PATTERNS SHIPWIDE.		
					OBSTRUCTION LIGHTS P/S (RED/PORT OR GREEN/STARBOARD, ALL AROUND)												(REVISION E CONTINUED AT LEFT)				
					BINNACLE																
					05 LEVEL HOUSE TOP (74'-0" ABL)																
					TILTING WINCH FOR ACCOMADATION LADDER (P&S)																
					04 LEVEL (65'-0" ABL)																
					03 LEVEL (56'-0" ABL)																
					02 LEVEL (47'-0" ABL)																
					01 LEVEL (38'-0" ABL)																
					MAIN DECK (28'-0" ABL)																
					1ST PLATFORM (19'-0" ABL)																
					FLAT (13'-0" ABL)																
					2ND PLATFORM (10'-0" ABL)																
					TANK TOP (3'-6" ABL)																
					2'-0" FRAME SPACING																



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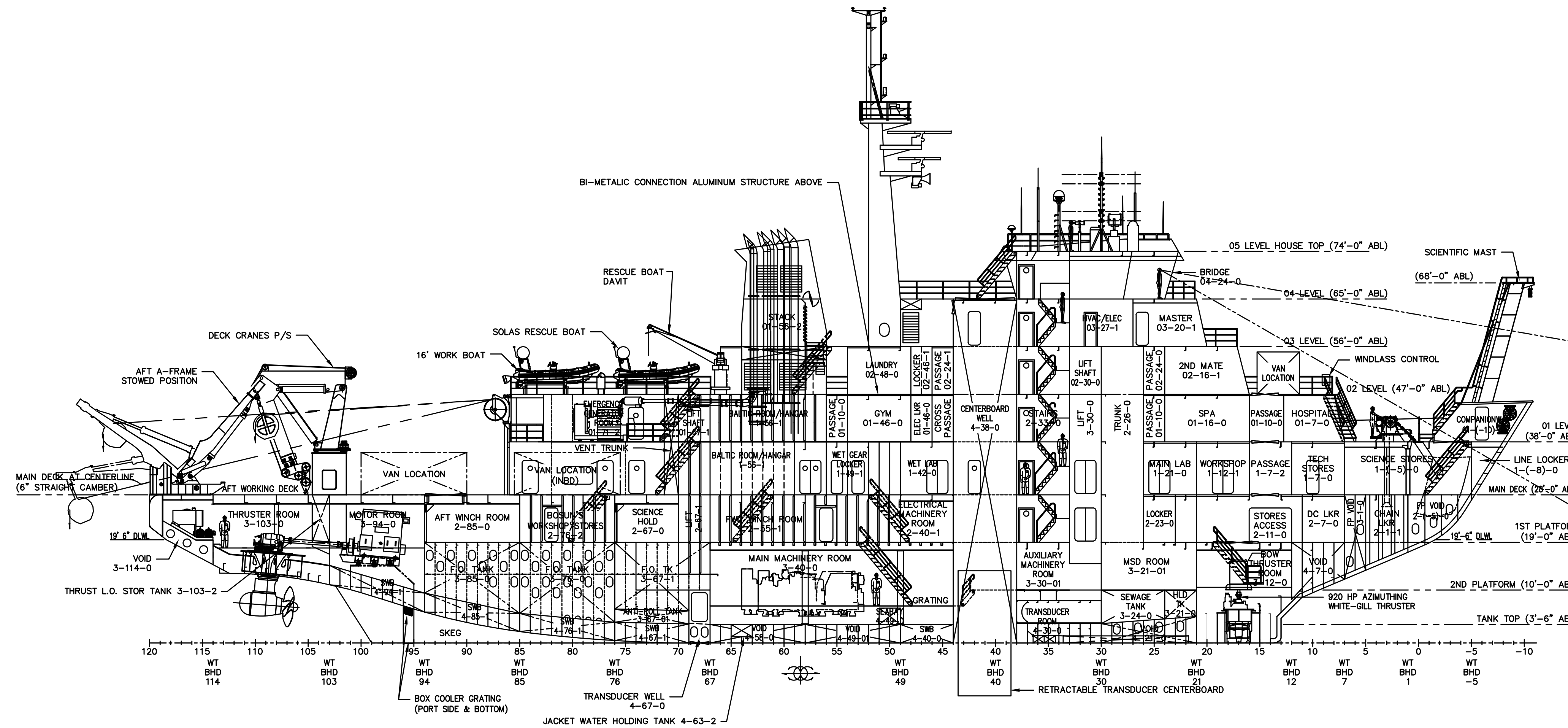
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42	DRAWING NO. 06.
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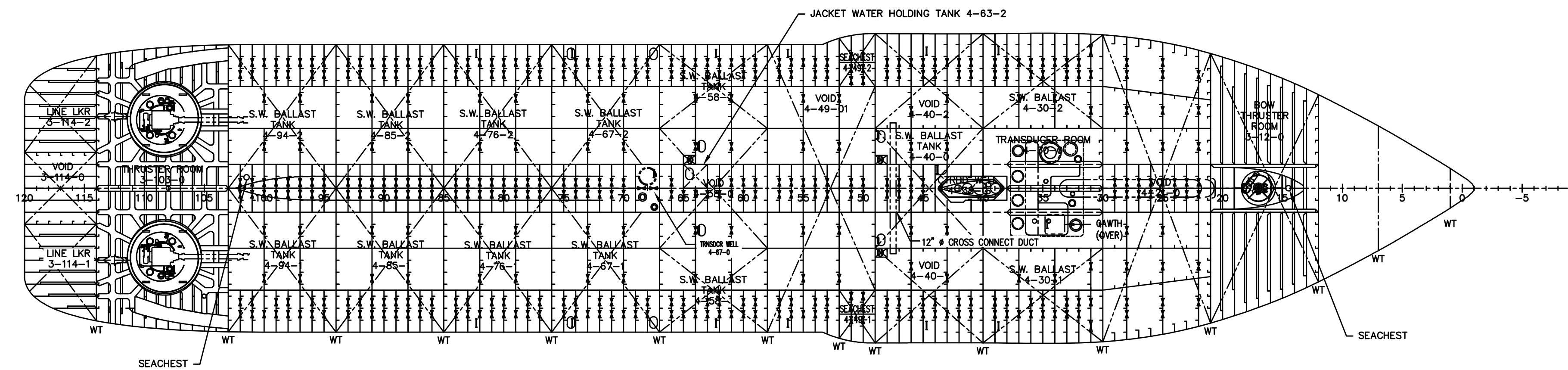
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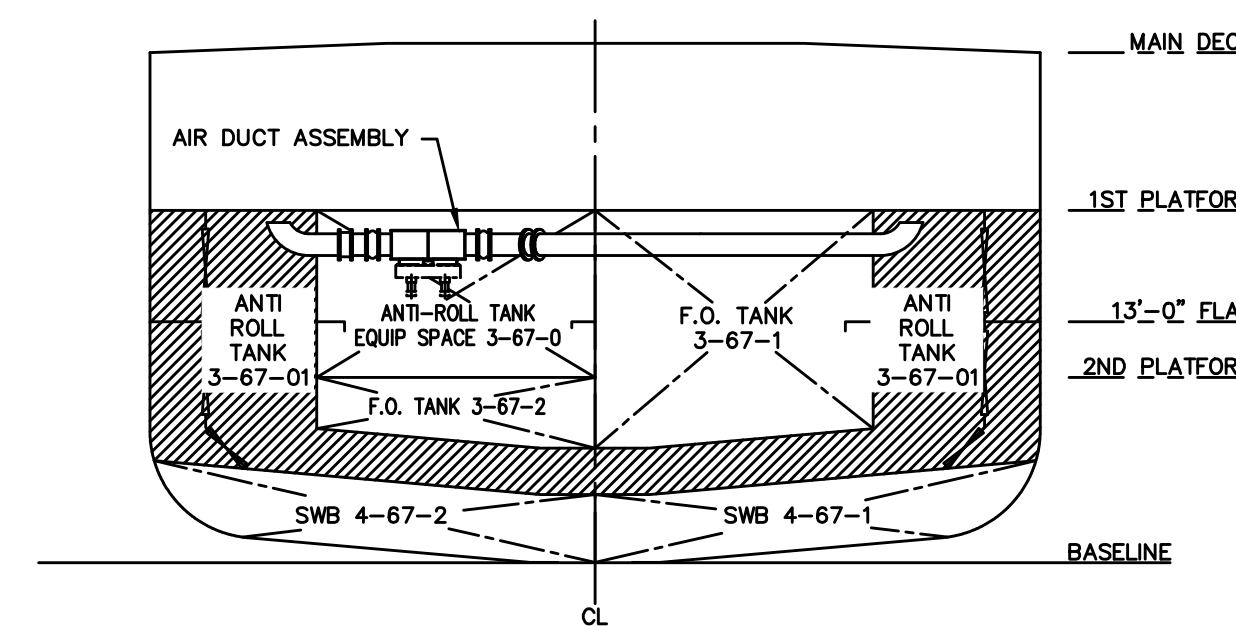
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INNER BOTTOM
3/32"=1'-0"



SECTION 31-A
FRAME 70 (LOOKING FORWARD)
SCALE 1/8"=1-0"

BALLAST TANKS CROSS CONNECTION	
BALLAST TANK	BALLAST TANK
4-30-1	4-30-2
4-58-1	4-58-2
4-67-1	4-67-2
4-76-1	4-76-2
4-85-1	4-85-2
4-94-1	4-94-2

TABLE 28-A
(SEE REF 4 FOR PIPING CONFIGURATION)

HALF S
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USCG APVD:	DATE:
ABS APVD:	DATE:

SIZE	FSCM CAGE NO	DRAWING NO.
D	98042	0650-601-01
SCALE	AS NOTED	SHEET 1 OF 1

SHEET 4 of	
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01 LEVEL (FOC'SLE DECK)
3/32"=1'-0"

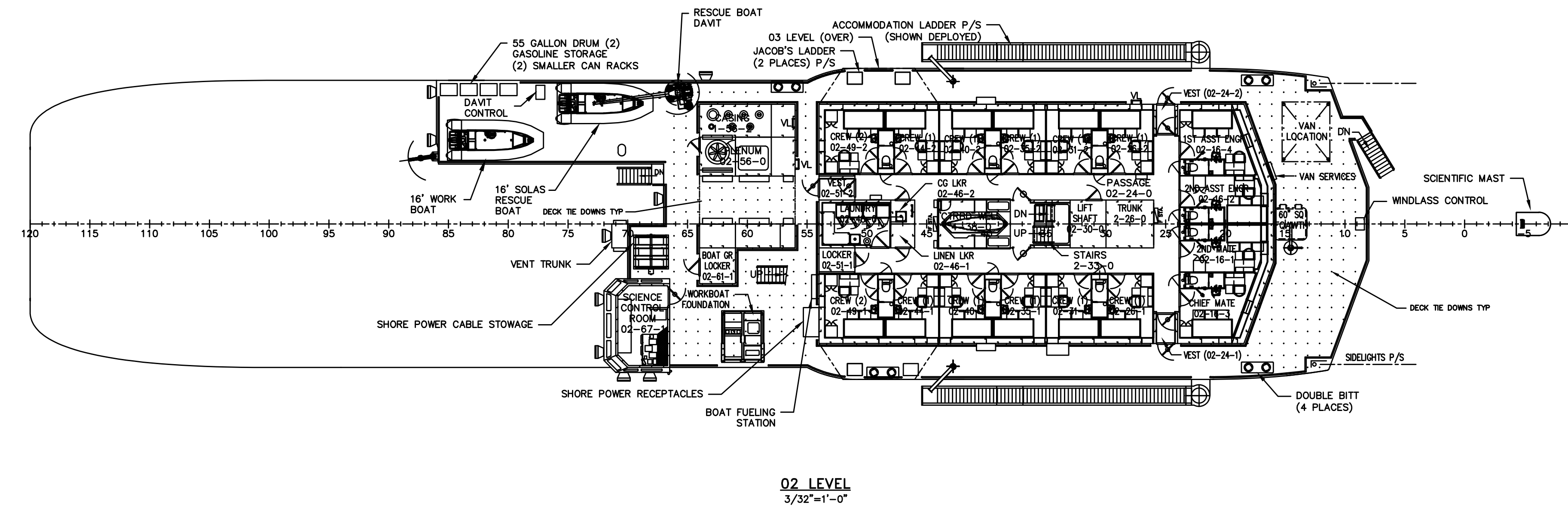
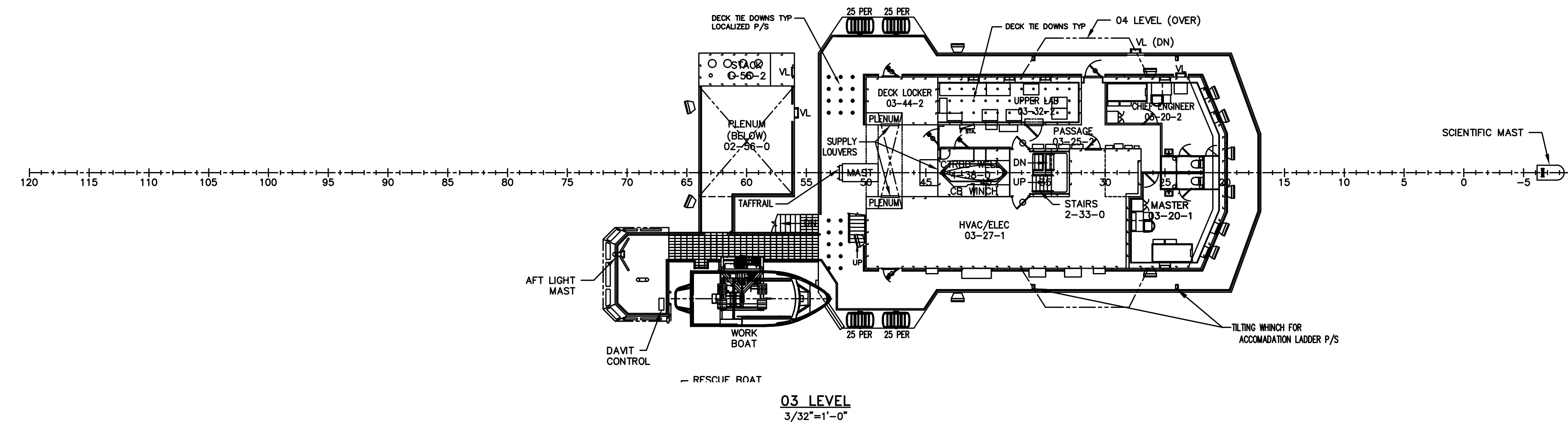
MAIN DEC
3/32"=1'-0"

HALF SIZE
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USCG APVD:	DATE:
ABS APVD:	DATE:

SIZE	FSCM CAGE NO	DRAWING NO.	REV
D	98042	0650-601-01	G
SCALE	AS NOTED		SHEET 6 of 8

-601-01		REV G
SHEET 6 of 8		



HALF S
PRINT

USCG

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SIZE	FSCM CAGE
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3:	D 980
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	DRAINING
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42|06

	REV
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SCALE	AS NA
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SHEET 7 of 8

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DRAWING NO.
0650-601-01

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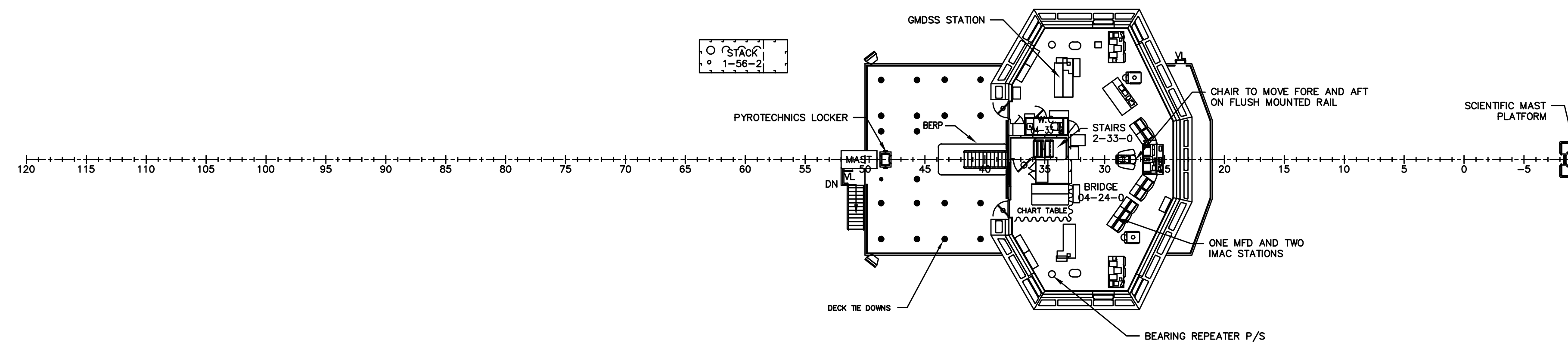
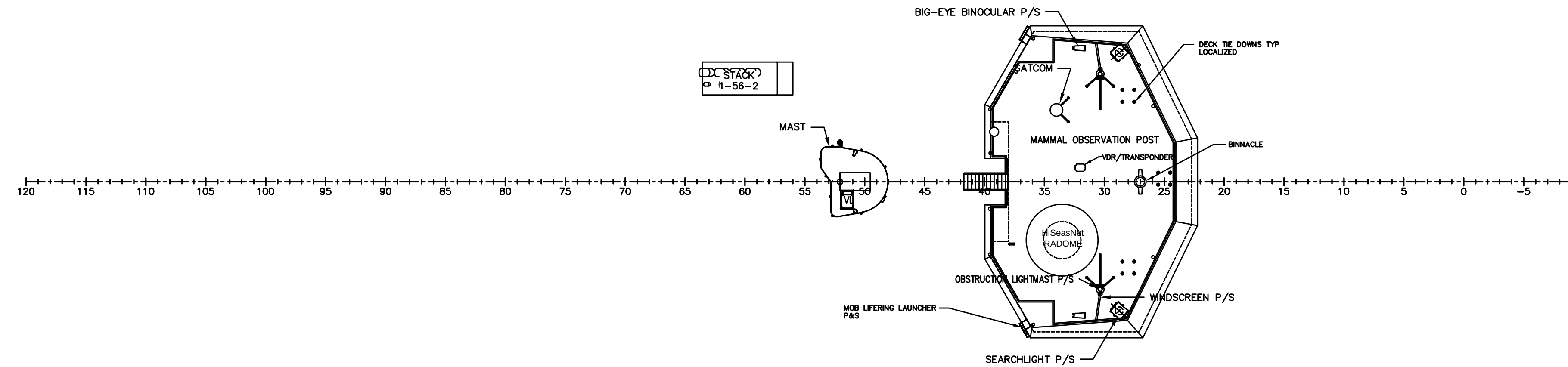
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HALF SIZE
PRINTUSCG APVD:
ABS APVD:DATE:
DATE:SIZE FROM CAGE NO.
D 98042DRAWING NO.
0650-601-01REV
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SCALE AS NOTED

SHEET 8 of 8