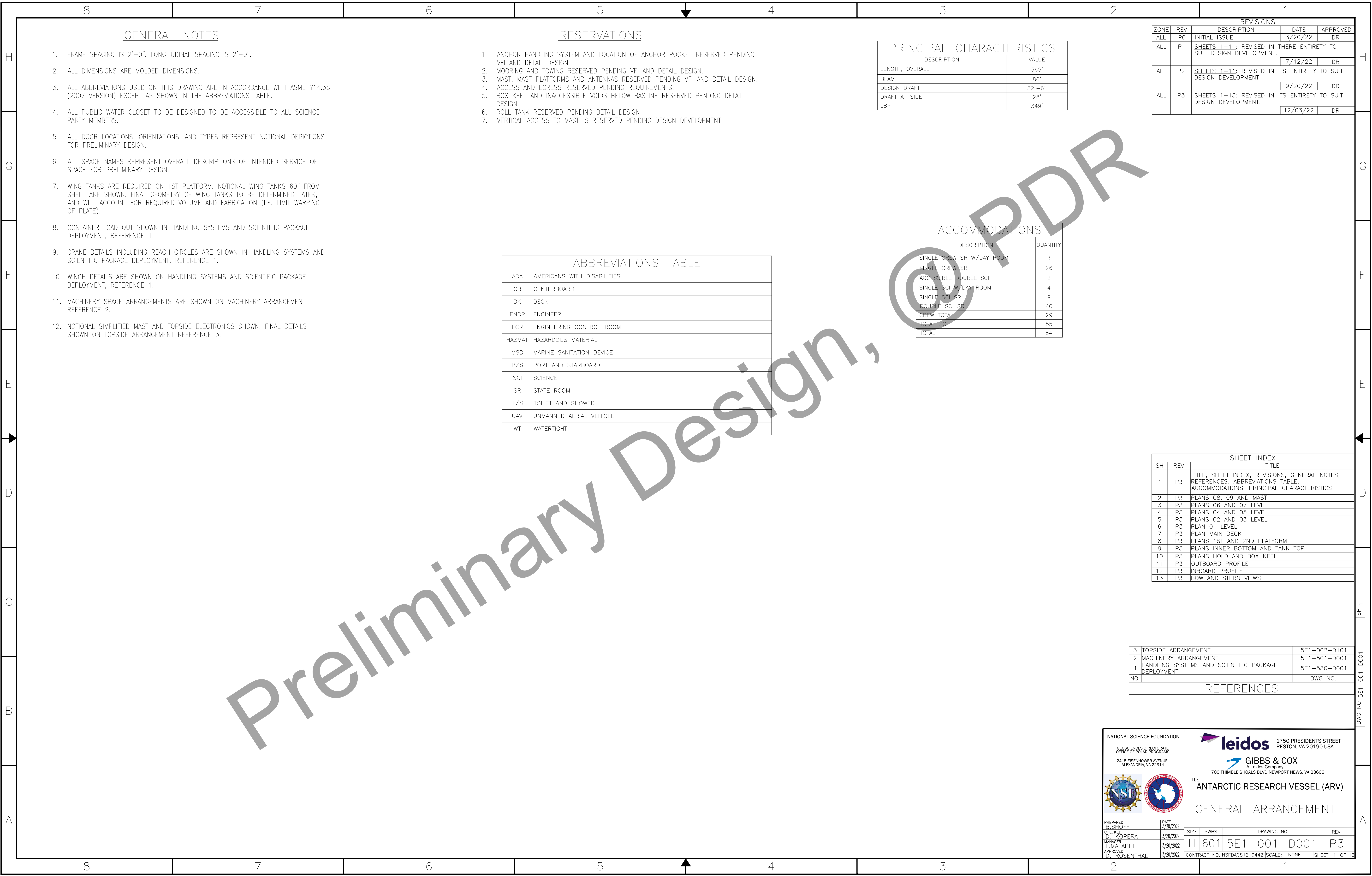
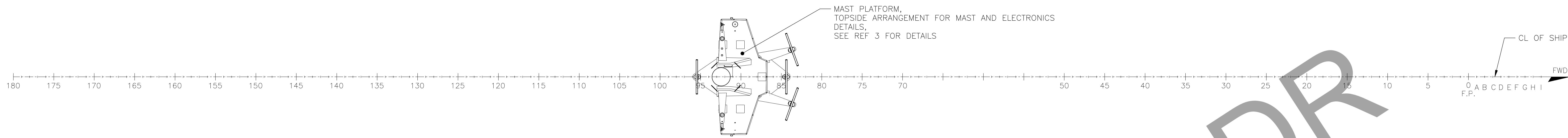
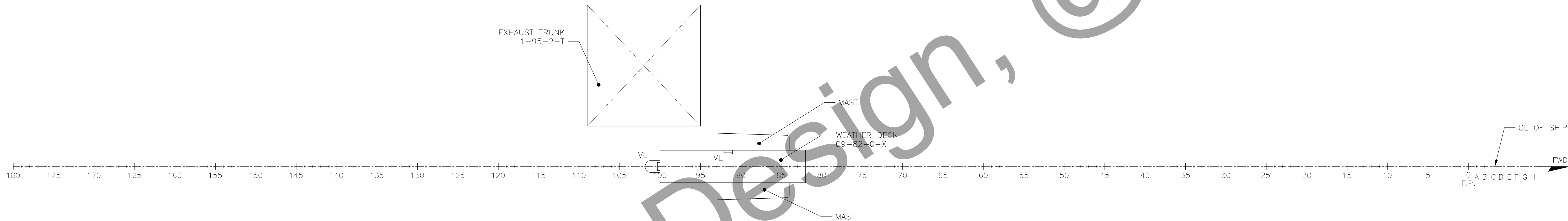


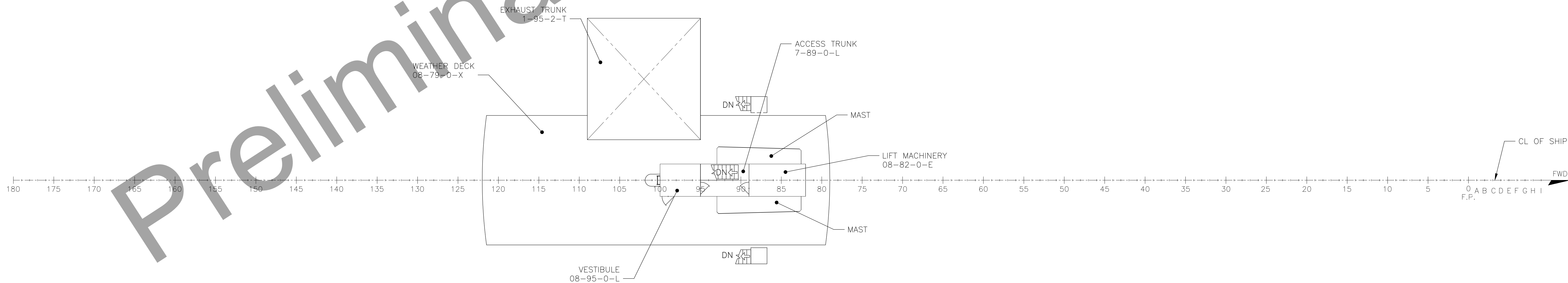




PLAN 2-4F
MAST PLATFORM
144'-6" ABL
NOTE: LIFELINES SURROUND THE ENTIRE DECK

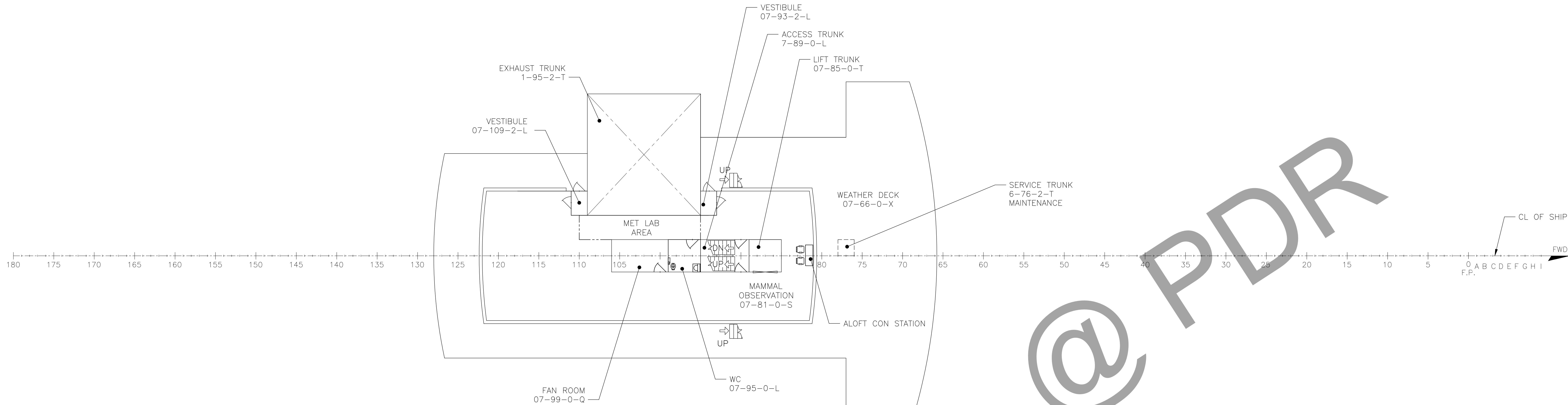


PLAN 2-4D
09 LEVEL
122'-0" ABL
NOTE: LIFELINES SURROUND THE ENTIRE DECK

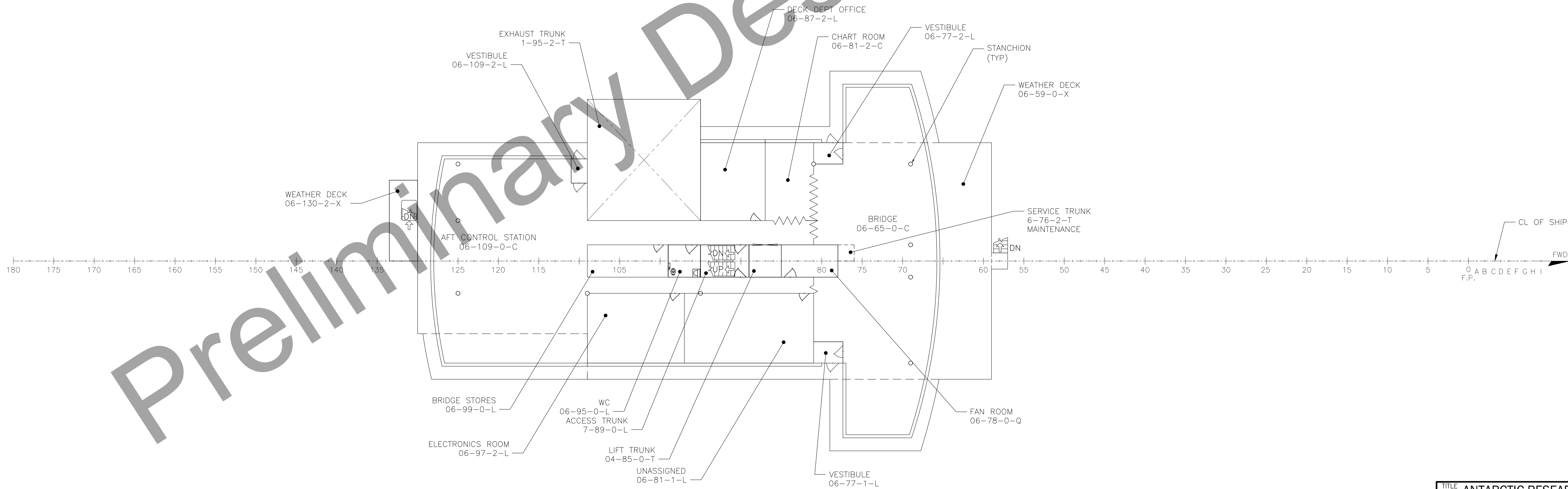


PLAN 2-4A
08 LEVEL
115'-0" ABL
NOTE: LIFELINES SURROUND THE ENTIRE DECK

TITLE: ANTARCTIC RESEARCH VESSEL (ARV)			
PLANS 08, 09 AND MAST			
SIZE	SWBS	DRAWING NO.	REV
H 601	5E1-001-D001	P3	
CONTRACT NO. NSFDACS1219442 SCALE: 3/32"=1'-0" SHEET 2 OF 13			

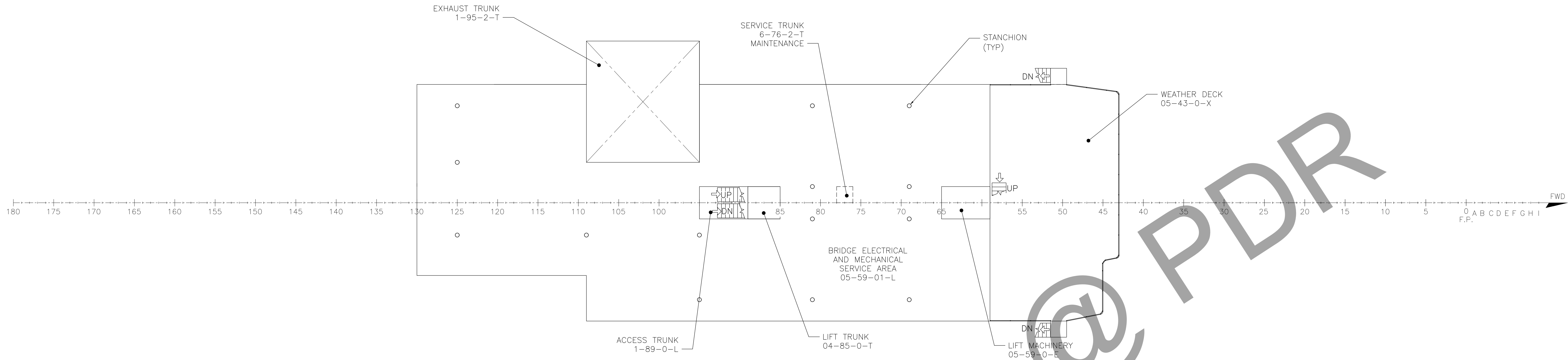


PLAN 3-4E
07 LEVEL
107'-0" ABL
NOTE: LIFELINES SURROUND THE ENTIRE DECK



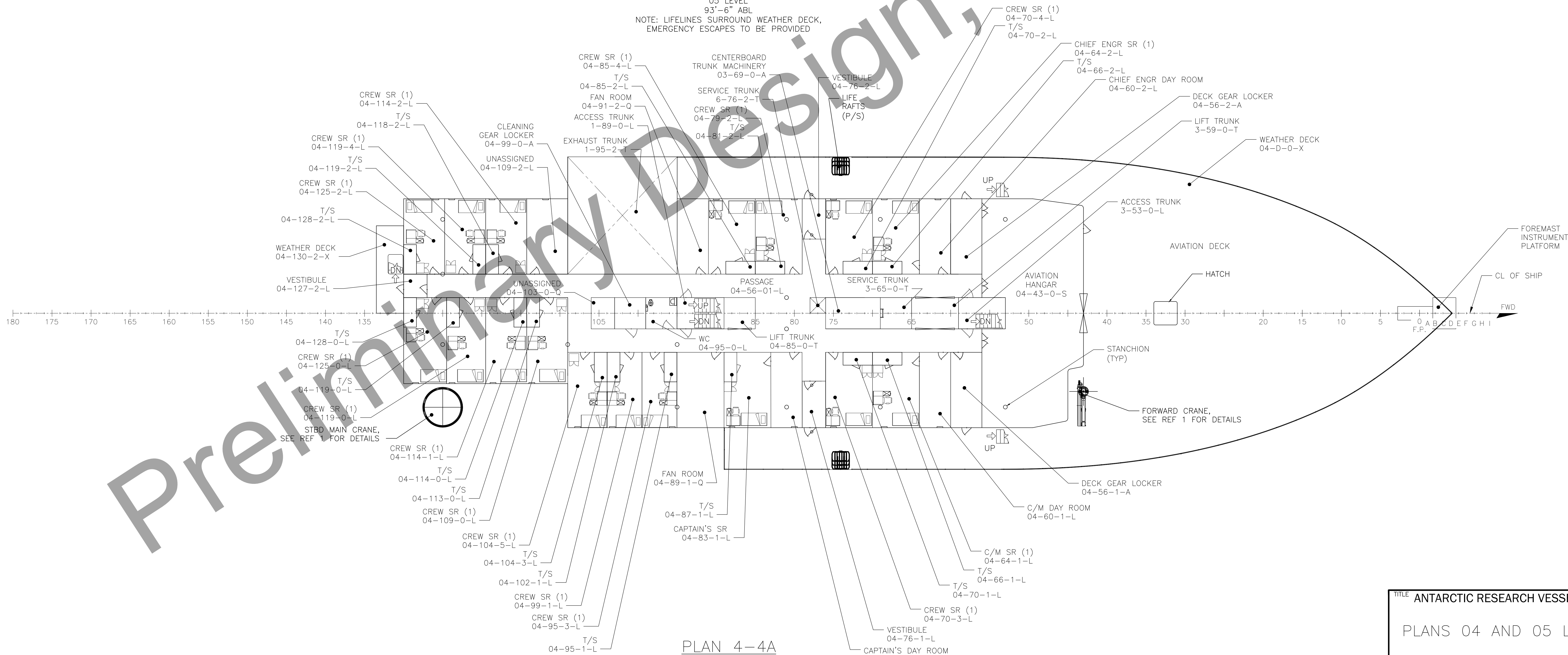
PLAN 3-4A
06 LEVEL
98'-0" ABL
NOTE: LIFELINES SURROUND THE ENTIRE DECK

TITLE: ANTARCTIC RESEARCH VESSEL (ARV)			
PLANS 06 AND 07 LEVEL			
SIZE	SWBS	DRAWING NO.	REV
H 601	5E1-001-D001	P3	
CONTRACT NO. NSFDACS1219442 SCALE: 3/32"=1'-0" SHEET 3 OF 13			



PLAN 4-4F

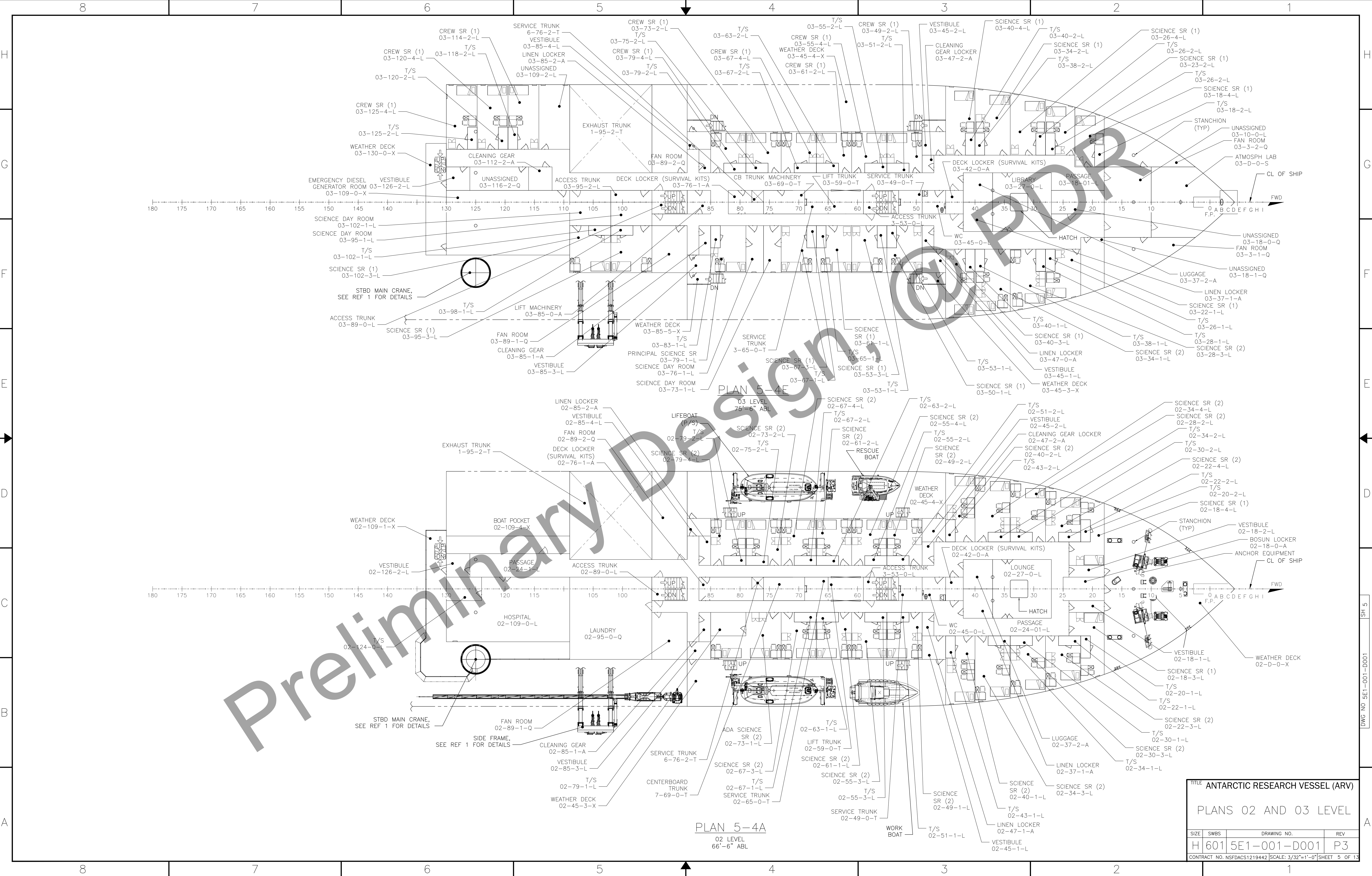
05 LEVEL
93'-6" ABL
NOTE: LIFELINES SURROUND WEATHER DECK,
EMERGENCY ESCAPES TO BE PROVIDED



PLAN 4-4A

04 LEVEL
84'-6" ABL
NOTE: LIFELINES SURROUND THE ENTIRE DECK

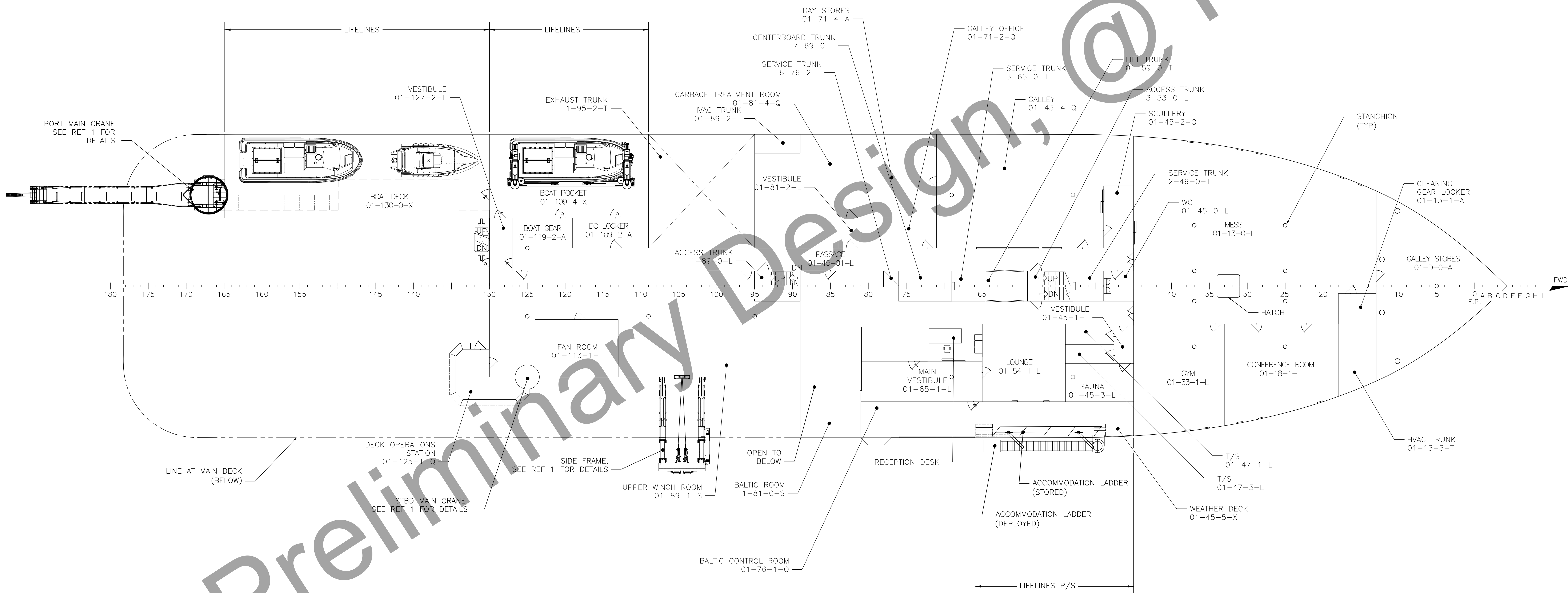
TITLE: ANTARCTIC RESEARCH VESSEL (ARV)			
PLANS 04 AND 05 LEVEL			
SIZE	SWBS	DRAWING NO.	REV
H 601	5E1-001-D001	P3	
CONTRACT NO. NSFDACS1219442 SCALE: 3/32"=1'-0" SHEET 4 OF 13			



PLAN 5-4E

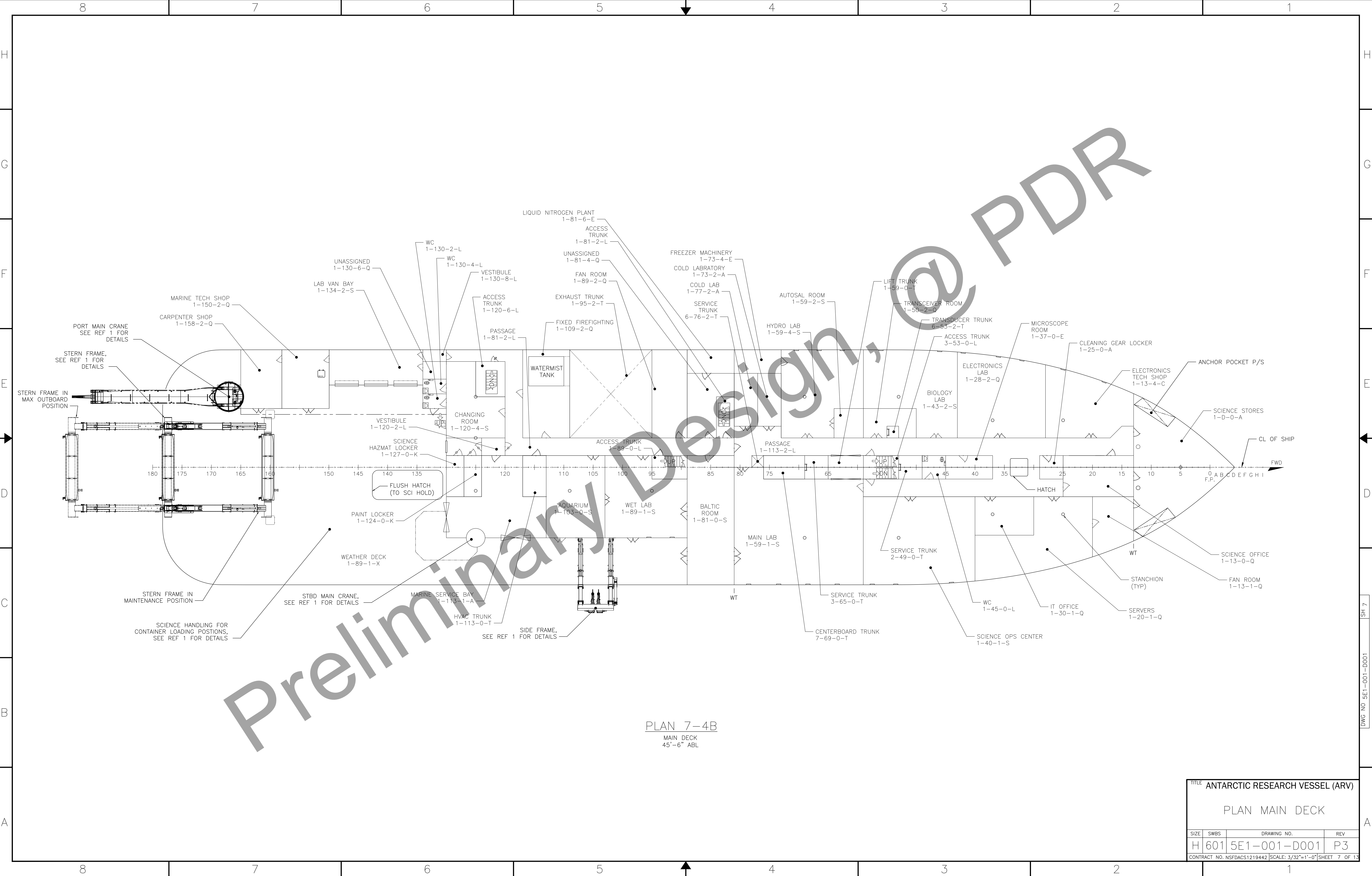
PLAN 5-4A

TITLE ANTARCTIC RESEARCH VESSEL (ARV)			
PLANS 02 AND 03 LEVEL			
SIZE	SWBS	DRAWING NO.	REV
H 601	5E1-001-D001	P3	
CONTRACT NO. NSFDACS1219442 SCALE: 3/32"=1'-0" SHEET 5 OF 13			



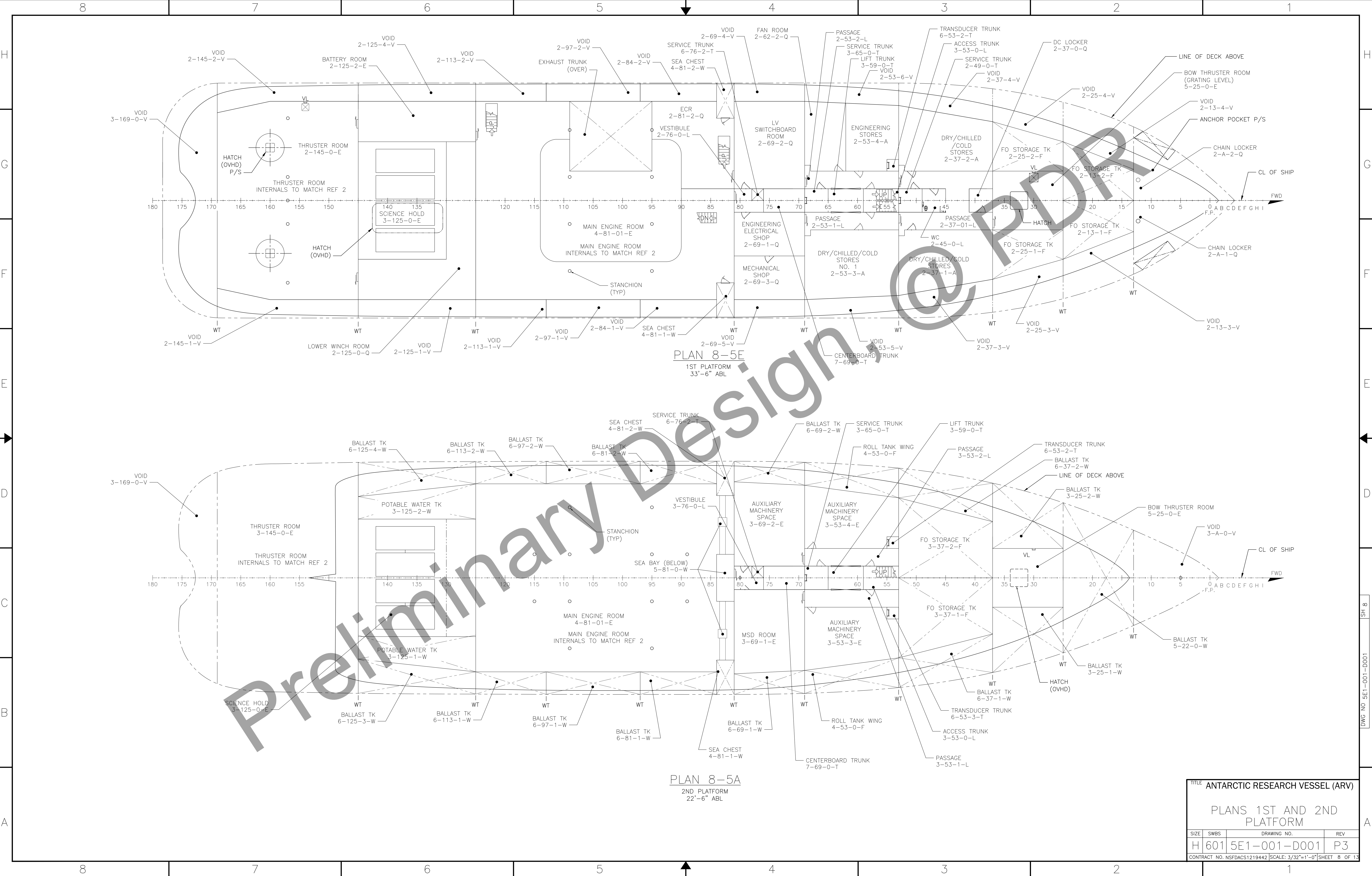
PLAN 6-4B
01 LEVEL
57'-6" ABL

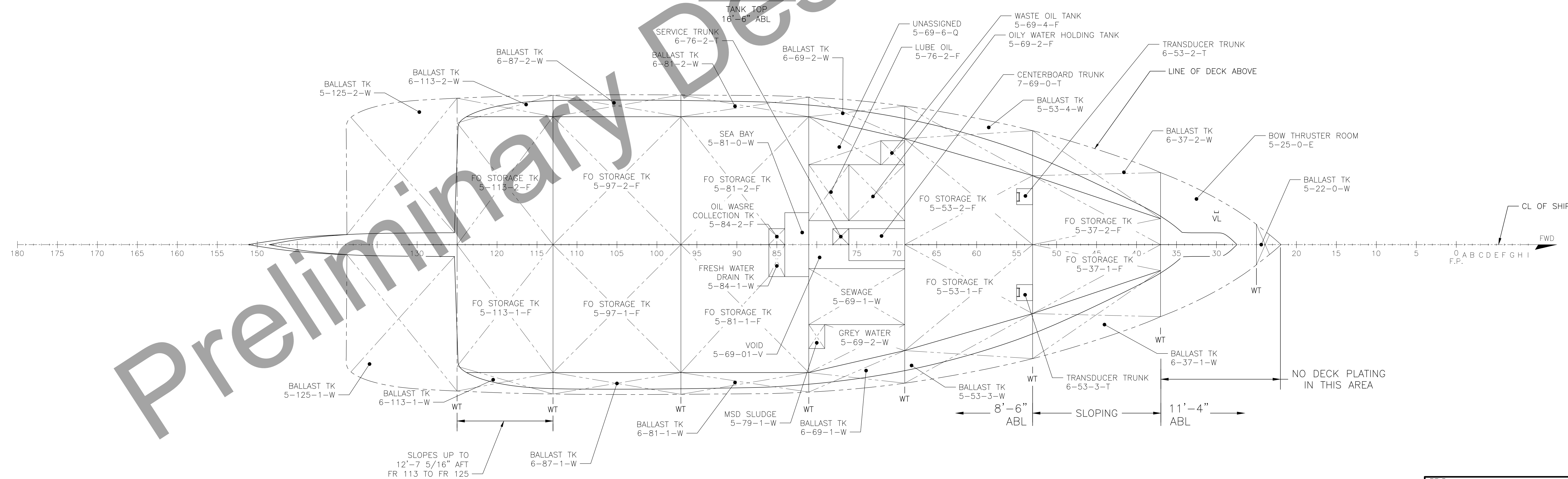
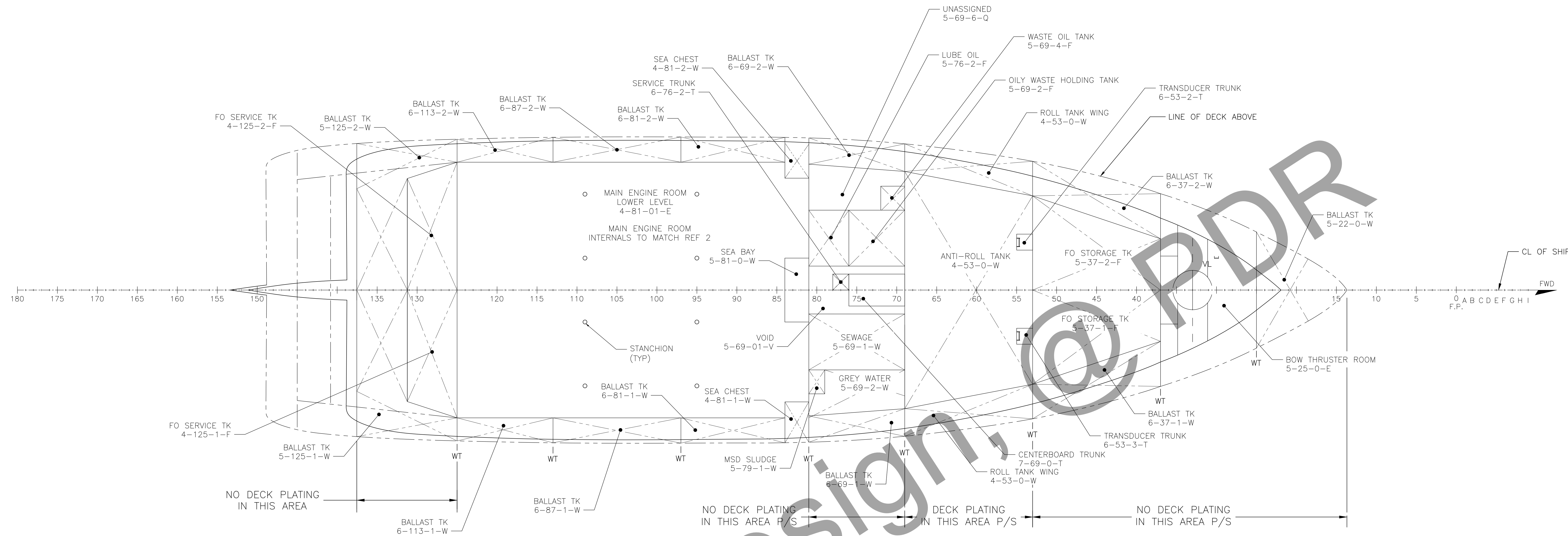
TITLE: ANTARCTIC RESEARCH VESSEL (ARV)			
PLAN 01 LEVEL			
SIZE	SWBS	DRAWING NO.	REV
H 601	5E1-001-D001	P3	
CONTRACT NO. NSFDACS1219442 SCALE: 3/32"=1'-0" SHEET 6 OF 13			



PLAN 7-4B
MAIN DECK
45'-6" ABL

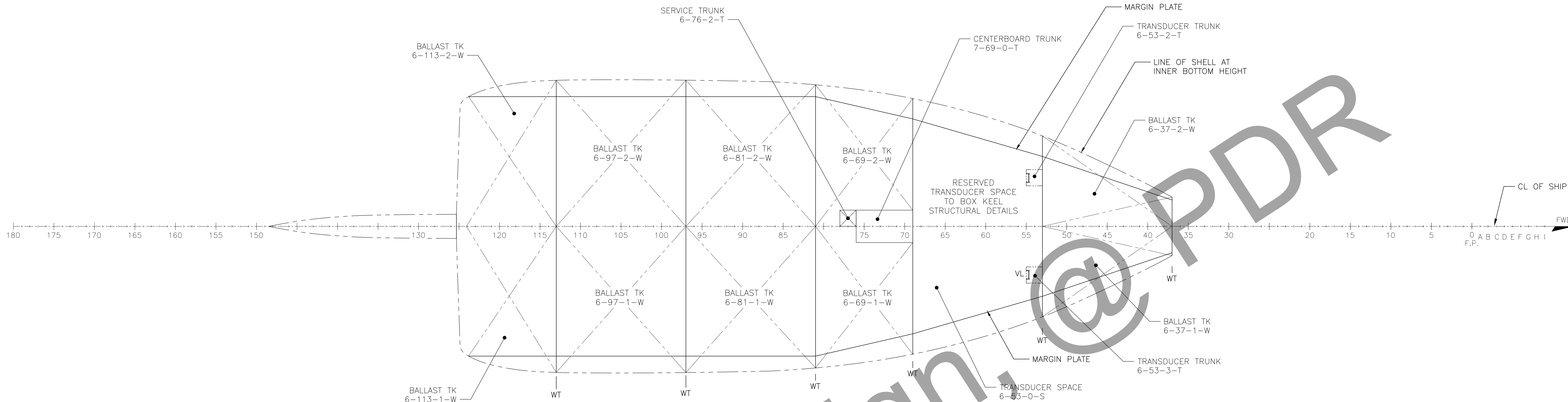
TITLE: ANTARCTIC RESEARCH VESSEL (ARV)			
PLAN MAIN DECK			
SIZE	SWBS	DRAWING NO.	REV
H 601	5E1-001-D001	P3	
CONTRACT NO. NSFDACS1219442 SCALE: 3/32"=1'-0" SHEET 7 OF 13			





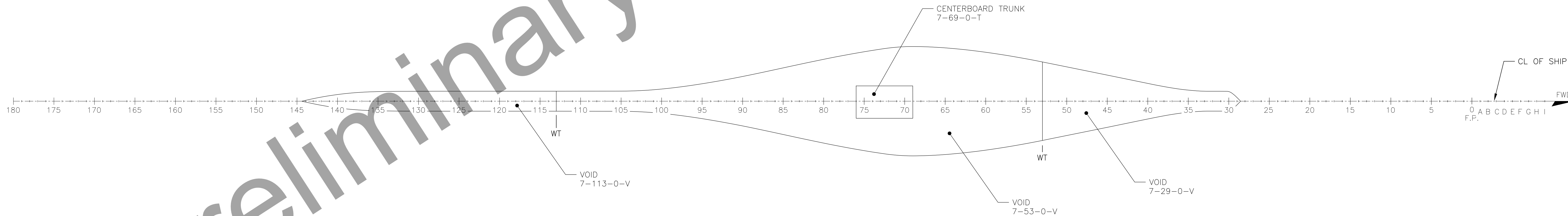
PLAN 9-4A
INNER BOTTOM
8'-6" ABL UNLESS OTHERWISE NOTED

TITLE: ANTARCTIC RESEARCH VESSEL (ARV)			
PLANS INNER BOTTOM AND TANK TOP			
SIZE	SWBS	DRAWING NO.	REV
H 601	5E1-001-D001	P3	
CONTRACT NO. NSFDACS1219442 SCALE: 3/32"=1'-0" SHEET 9 OF 13			



PLAN 10-4E

HOLD
3'-0" ABV BASELINE



PLAN 10-4A

BOX KEEL

TITLE: ANTARCTIC RESEARCH VESSEL (ARV)			
PLANS HOLD AND BOX KEEL			
SIZE	SWBS	DRAWING NO.	REV
H 601	5E1-001-D001	P3	
CONTRACT NO. NSFDACS1219442 SCALE: 3/32"=1'-0" SHEET 10 OF 13			

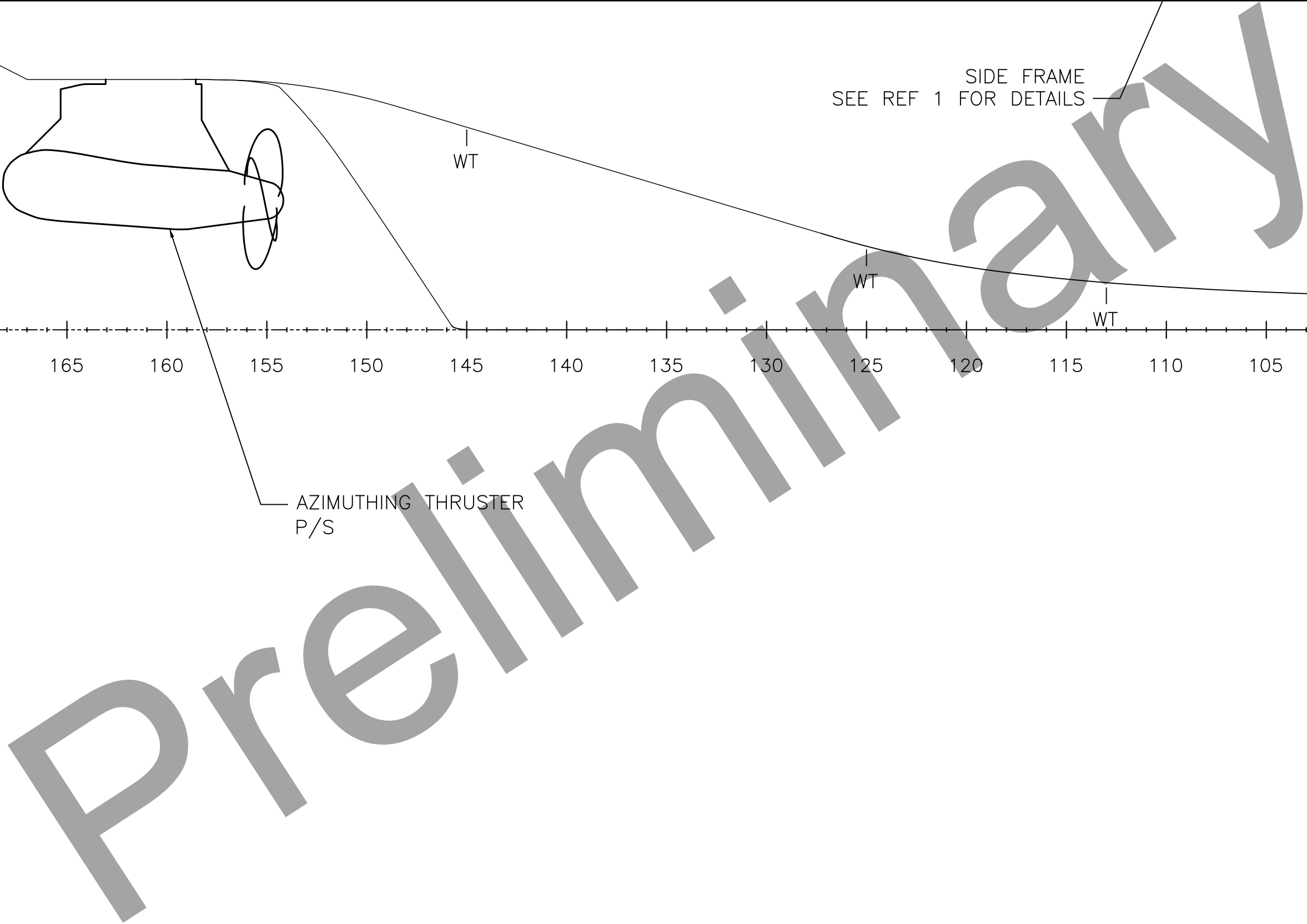


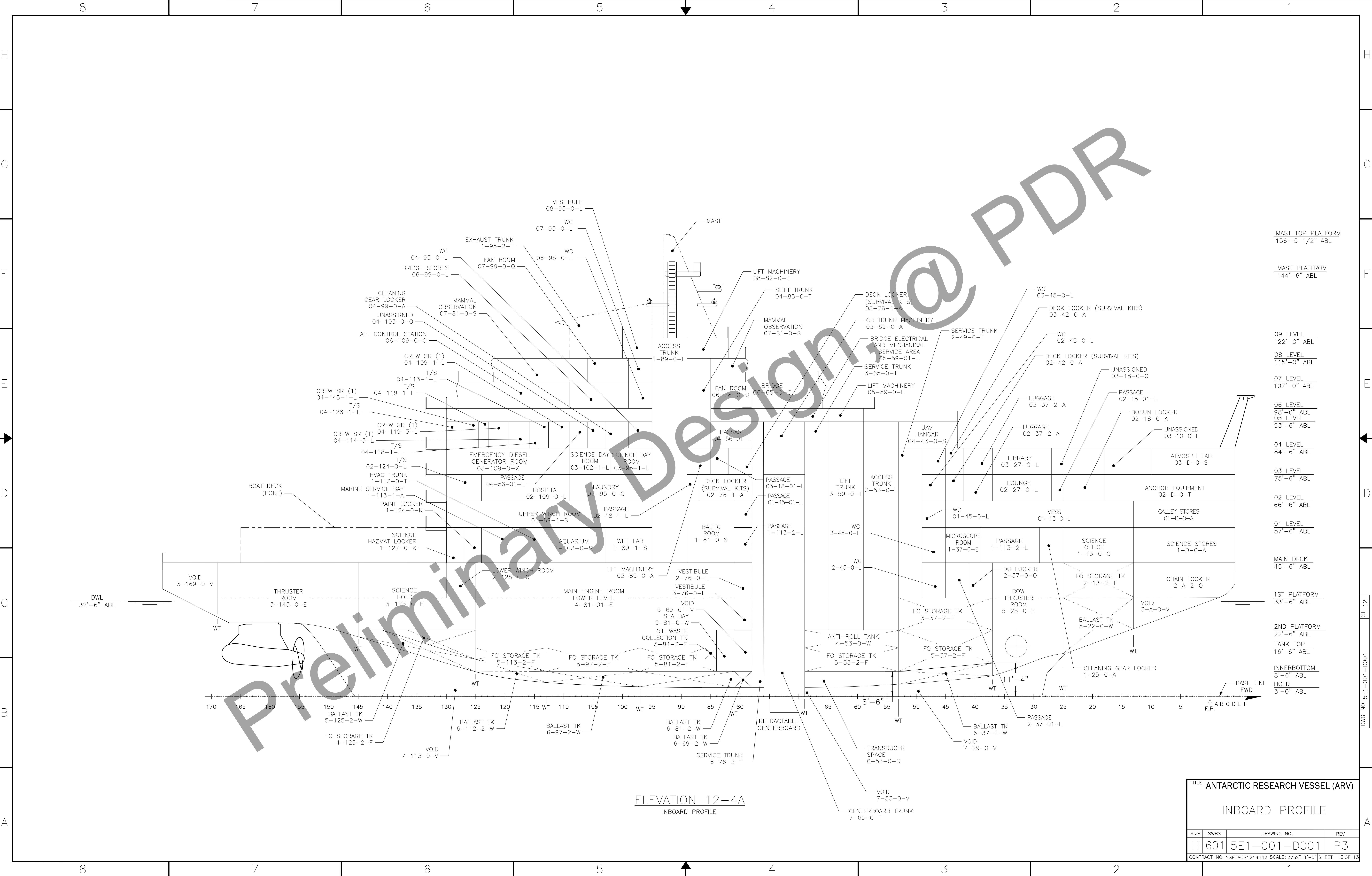
Diagram illustrating the location of the Azimuthing Thruster P/S and Water Tunnel (WT) locations relative to the ship's hull structure.

The diagram shows a cross-section of the hull with the following components labeled:

- WT** (Water Tunnel) locations marked at approximately 145, 125, and 110 units.
- AZIMUTHING THRUSTER P/S** (Azimuthing Thruster Power/Switch) located near the stern, around 155 units.
- SIDE FRAME SEE REF 1 FOR DETAILS** pointing to the upper hull structure.

The horizontal axis is marked with values from 105 to 165.

TITLE ANTARCTIC RESEARCH VESSEL (ARV)			
OUTBOARD PROFILE			
SIZE	SWBS	DRAWING NO.	REV
H 601	5E1-001-D001	P3	
CONTRACT NO. NSFDCAS1219442 SCALE: 3/32"=1'-0" SHEET 11 OF 13			



MAST TOP PLATFORM
156'-5 1/2" ABL

MAST PLATFORM
144'-6" ABL

09 LEVEL
122'-0" ABL

08 LEVEL
115'-0" ABL

07 LEVEL
107'-0" ABL

06 LEVEL
98'-0" ABL

05 LEVEL
93'-6" ABL

04 LEVEL
84'-6" ABL

03 LEVEL
75'-6" ABL

02 LEVEL
66'-6" ABL

01 LEVEL
57'-6" ABL

MAIN DECK
45'-6" ABL

1ST PLATFORM
33'-6" ABL

2ND PLATFORM
22'-6" ABL

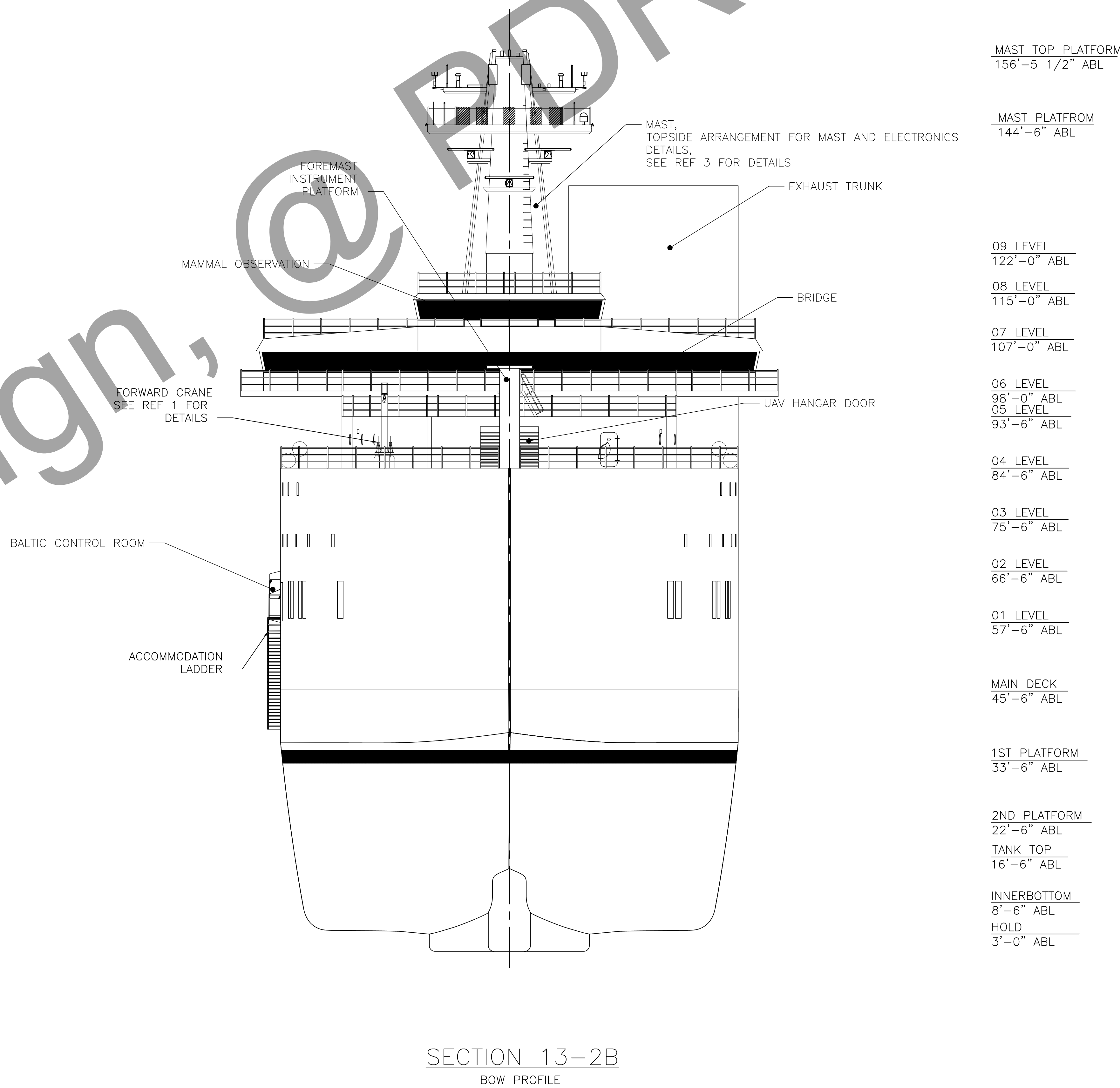
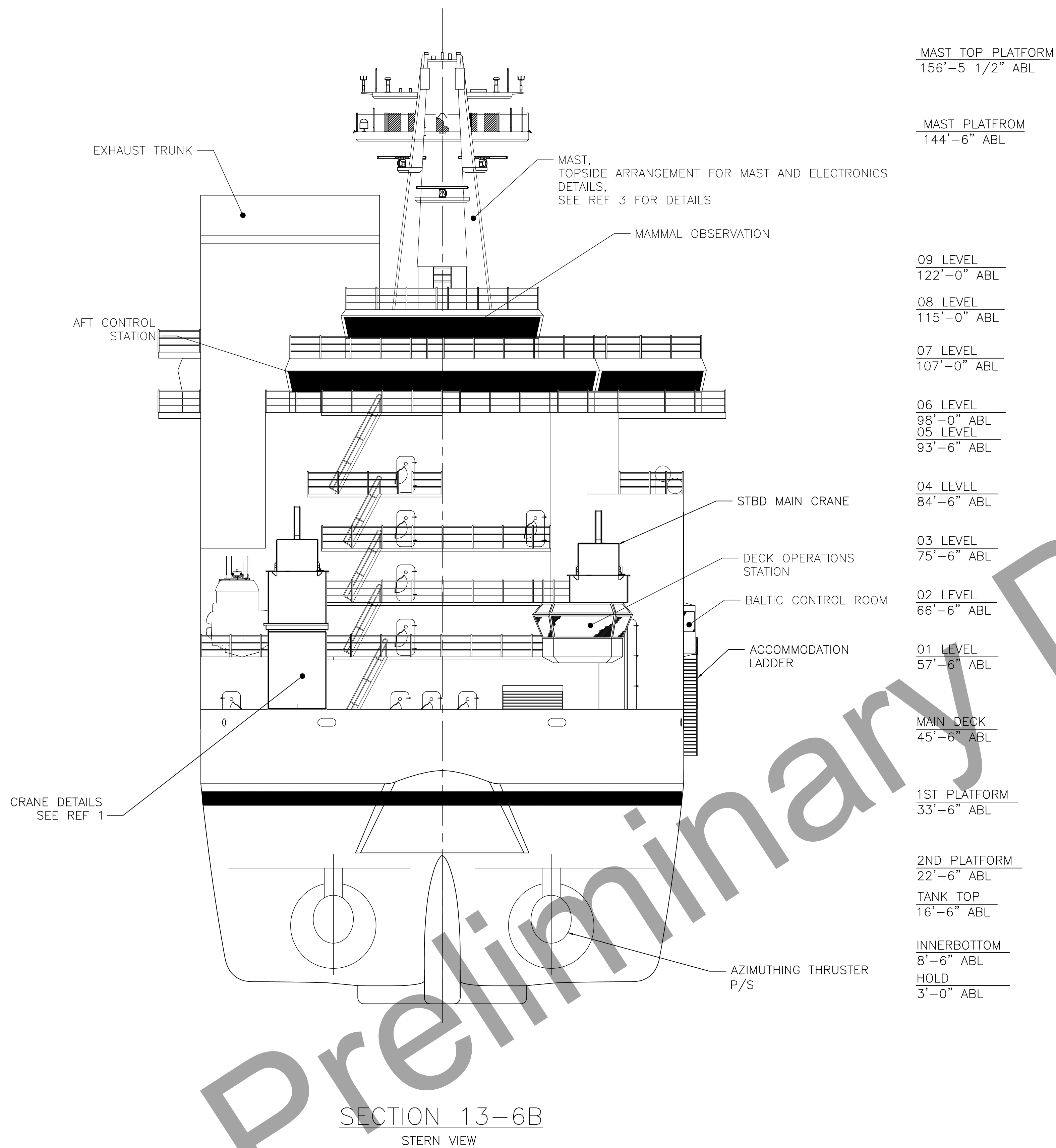
TANK TOP
16'-6" ABL

INNERBOTTOM
8'-6" ABL

HOLD
3'-0" ABL

ELEVATION 12-4A
INBOARD PROFILE

TITLE: ANTARCTIC RESEARCH VESSEL (ARV)			
INBOARD PROFILE			
SIZE	SWBS	DRAWING NO.	REV
H 601	5E1-001-D001	P3	
CONTRACT NO. NSFDACS1219442 SCALE: 3/32"=1'-0" SHEET 12 OF 13			



TITLE: ANTARCTIC RESEARCH VESSEL (ARV)			
BOW AND STERN VIEWS			
SIZE	SWBS	DRAWING NO.	REV
H 601	5E1-001-D001	P3	
CONTRACT NO. NSFDACS1219442 SCALE: 3/32"=1'-0" SHEET 13 OF 13			