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EQUIPMENT LIST

ITEM#	QTY	DESCRIPTION	COMMENT
01	3	DIESEL GENERATOR	
02	1	PROPULSION SWITCHBOARD	
03	4	PROPULSION VFD CABINET	
04	2	FIRE PUMP	
05	2	FIRE PUMP STRAINER	
06	2	BALLAST PUMP	
07	2	BALLAST PUMP STRAINER	
08	1	BALLAST MANIFOLD	
09	2	BILGE PUMP	
10	2	BILGE PUMP STRAINER	
11	2	SEA CHEST STRAINER	
12	1	MSD	
13	2	ZERO DISCHARGE PUMP	
14	2	ZERO DISCHARGE HOLDING TANK	500 GAL
15	3	SEA CHEST	
16	1	WORK BENCH	
17	1	6" HEAVY VICE	
18	1	WASTE OIL PUMP	
19	1	WASTE OIL TANK	60 GAL
20	1	LUBE OIL TANK	60 GAL
21	1	EOS CONSOLE	
22	1	SHIPS SERVICE SWITCHBOARD	
23	3	DIESEL GENERATOR SILENCER	
24	1	SWITCHBOARD ROOM SUPPLY FAN	
25	4	ENGINE ROOM SUPPLY FAN	
26	2	PROPULSION DRIVE HEAT EXCHANGER	
27	1	PROPULSION VFD COOLING CABINET	
28	2	SWBD ROOM FAN COIL	
29	4	MACHINERY SPACE HVAC CHILLER	
30	1	BILGE MANIFOLD "A"	
31	1	BILGE MANIFOLD "B"	
32	2	AIR COMPRESSOR WITH RECEIVER	
33	2	POTABLE WATER PUMP	
34	1	POTABLE WATER PUMP STRAINER	
35	1	POTABLE WATER PRESSURE TANK	
36	4	AZIMUTH THRUSTER	
37	4	AZIMUTH THRUSTER CONTROL CABINET	
38	1	EOS SUPPLY FAN	
39	1	EMERGENCY GENERATOR (EGEN)	
40	1	EGEN FO TANK	50 GAL
41	1	EMERGENCY SWITCHBOARD	
42	1	EGEN SILENCER	
43	1	EGEN START BATTERY BANK	
44	3	ENGINE START BATTERY BANK	
45	2	FRESH WATER COOLING PUMP	
46	2	FRESH WATER COOLING HEAT EXCHANGER	
47	2	CHILLED WATER PUMP	
48	4	ENGINE ROOM, SWBD ROOM & EOS FIRE SUPPRESSION BOTTLES	
49	2	SUPPLY FAN - VOID	
50	2	SUPPLY FAN - THRUSTER ROOM	
51	1	FUEL OIL TRANSFER PUMP	
52	1	WASTE OIL HOSE REEL	
53	1	EGEN FIRE SUPPRESSION BOTTLE	
54	1	EOS FAN COIL	
55	2	AUX SEAWATER PUMP	

REVISION HISTORY

REV	ZONE	DESCRIPTION	DWN	DATE	APVD

GENERAL NOTES

- VESSEL TO BE CONSTRUCTED IN ACCORDANCE WITH 46 CFR SUBCHAPTER H REGULATIONS.
- FRAME SPACING IS 24"
- EQUIPMENT LAYOUT IS PRELIMINARY. FINAL EQUIPMENT POSITION IS SUBJECT TO DESIGN DEVELOPMENT AND OWNER APPROVAL.
- EQUIPMENT INSTALLATION SHALL PERMIT FREE PASSAGE ALONG WALKWAYS AND LADDERWAYS, FREE ACCESS TO ALL DOORS, ESCAPE HATCHES, AND ACCESS OPENINGS, AND SHALL BE FREE OF ALL INTERFERENCES FOR THE DISASSEMBLY, INSPECTION, AND REPAIR OF VITAL EQUIPMENT AND MACHINERY.
- REMOVABLE GUARDS SHALL BE INSTALLED OVER EXPOSED ROTATING COMPONENTS.

REFERENCES

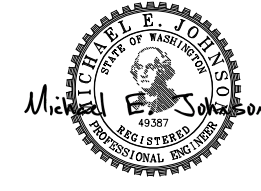
- 18026-200-832-1 TECHNICAL SPECIFICATION
- 18026-200-101-1 PROFILES AND DECK ARRANGEMENTS
- 18026-200-256-1 COOLING SYSTEM SCHEMATIC
- 18026-200-259-1 EXHAUST ARRANGEMENT
- 18026-200-261-1 FUEL OIL PIPING SYSTEM SCHEMATIC
- 18026-200-320-1 PROPULSION AND SHIPS SERVICE ELECTRICAL ONE LINE DIAGRAM
- 18026-200-513-1 MACHINERY VENTILATION ARRANGEMENT
- 18026-200-521-1 FIRE MAIN SYSTEM SCHEMATIC
- 18026-200-528-1 SANITARY DRAIN PIPING SCHEMATIC
- 18026-200-529-1 BILGE AND BALLAST PIPING SCHEMATIC
- 18026-200-529-2 LUBE OIL AND WASTE OIL PIPING SCHEMATIC
- 18026-200-533-1 POTABLE AND SANITARY WATER PIPING SCHEMATIC
- 18026-200-551-1 COMPRESSED AIR PIPING SCHEMATIC



**Elliott Bay Design Group**  
 North Carolina, PLLC

CLIENT: NORTH CAROLINA D.O.T.  
 RALEIGH, NORTH CAROLINA

PROJECT: DOUBLE-ENDED AZIMUTH DRIVE FERRY

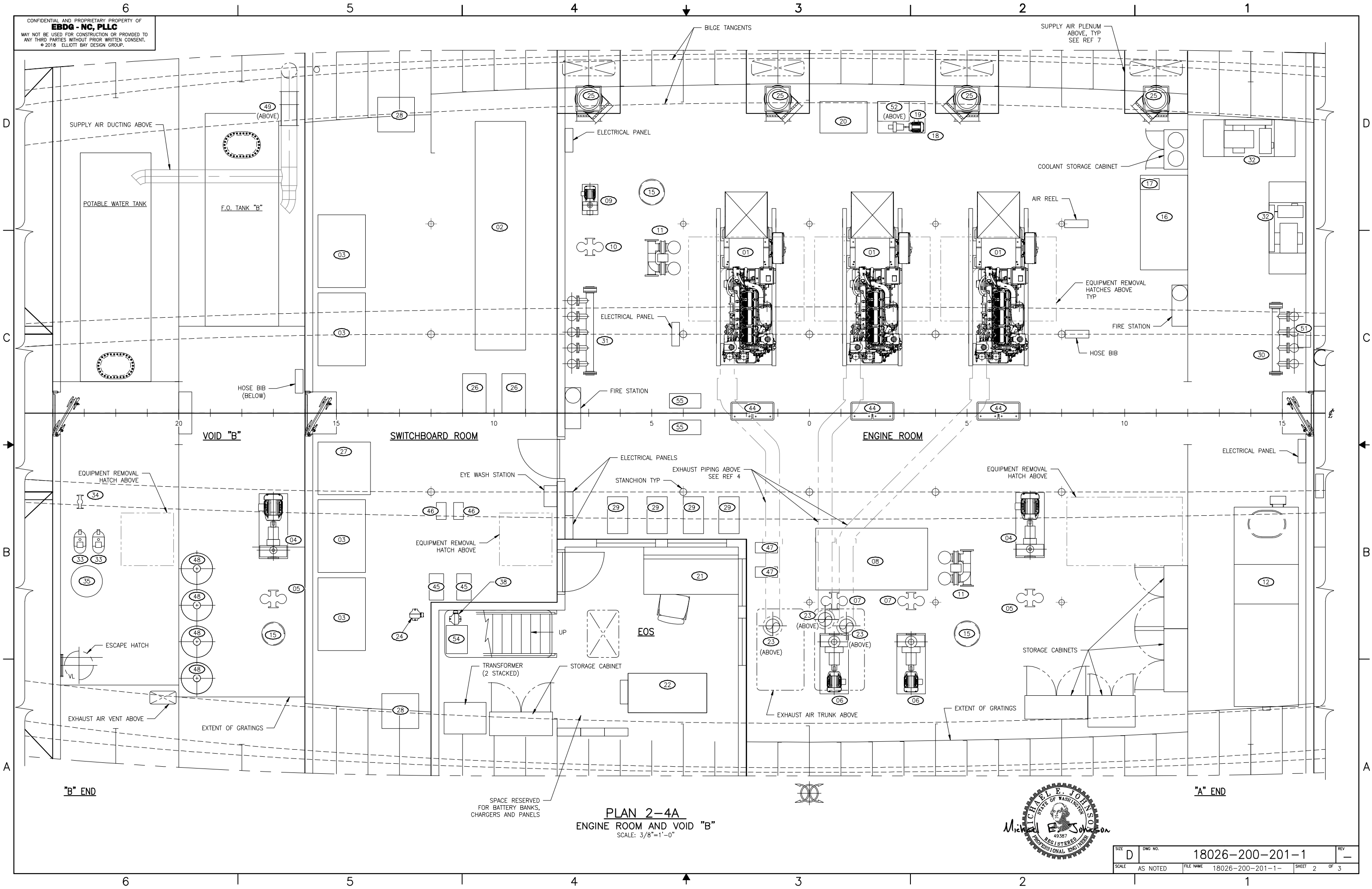


TITLE: MACHINERY ARRANGEMENT

SIZE	D	DWG NO.	18026-200-201-1	REV	-
SCALE	NONE	FILE NAME	18026-200-201-1-	SHEET	1 OF 3
DWN	JEH	MOD	MEJ	APVD	MEJ
				APVD DATE	8/2/18

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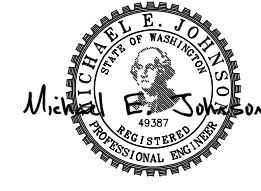


"B" END

"A" END

**PLAN 2-4A**  
 ENGINE ROOM AND VOID "B"  
 SCALE: 3/8"=1'-0"

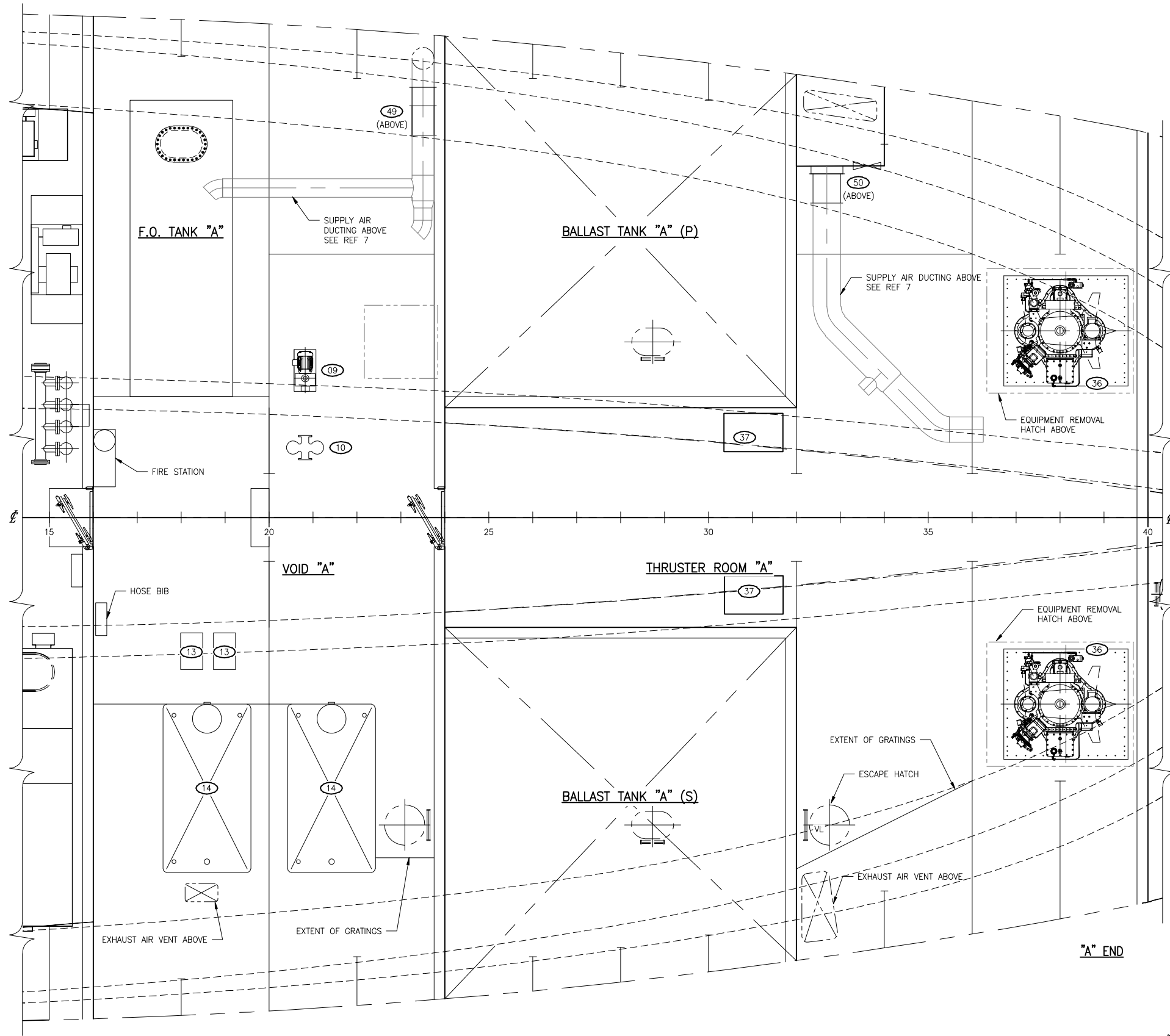
SPACE RESERVED  
 FOR BATTERY BANKS,  
 CHARGERS AND PANELS



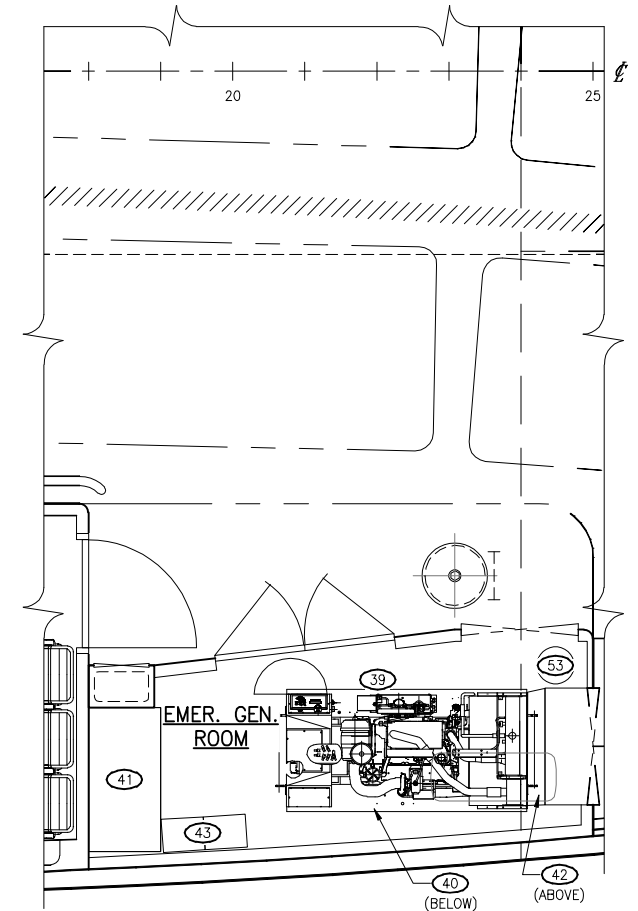
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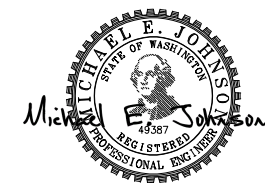
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**PLAN 3-4A**  
 VOID "A" AND THRUSTER ROOM "A"  
 THRUSTER ROOM "B" OPP SIM  
 SCALE: 3/8"=1'-0"



**PLAN 3-1B**  
 EMERGENCY GENERATOR ROOM  
 SCALE: 3/8"=1'-0"



SIZE	D	DWG NO.	18026-200-201-1	REV	-
SCALE	AS NOTED	FILE NAME	18026-200-201-1-	SHEET	3 OF 3

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