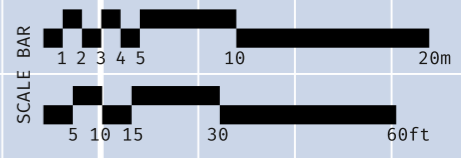
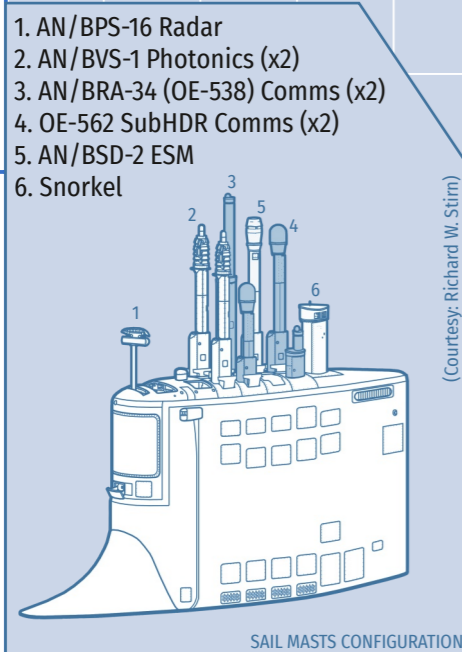
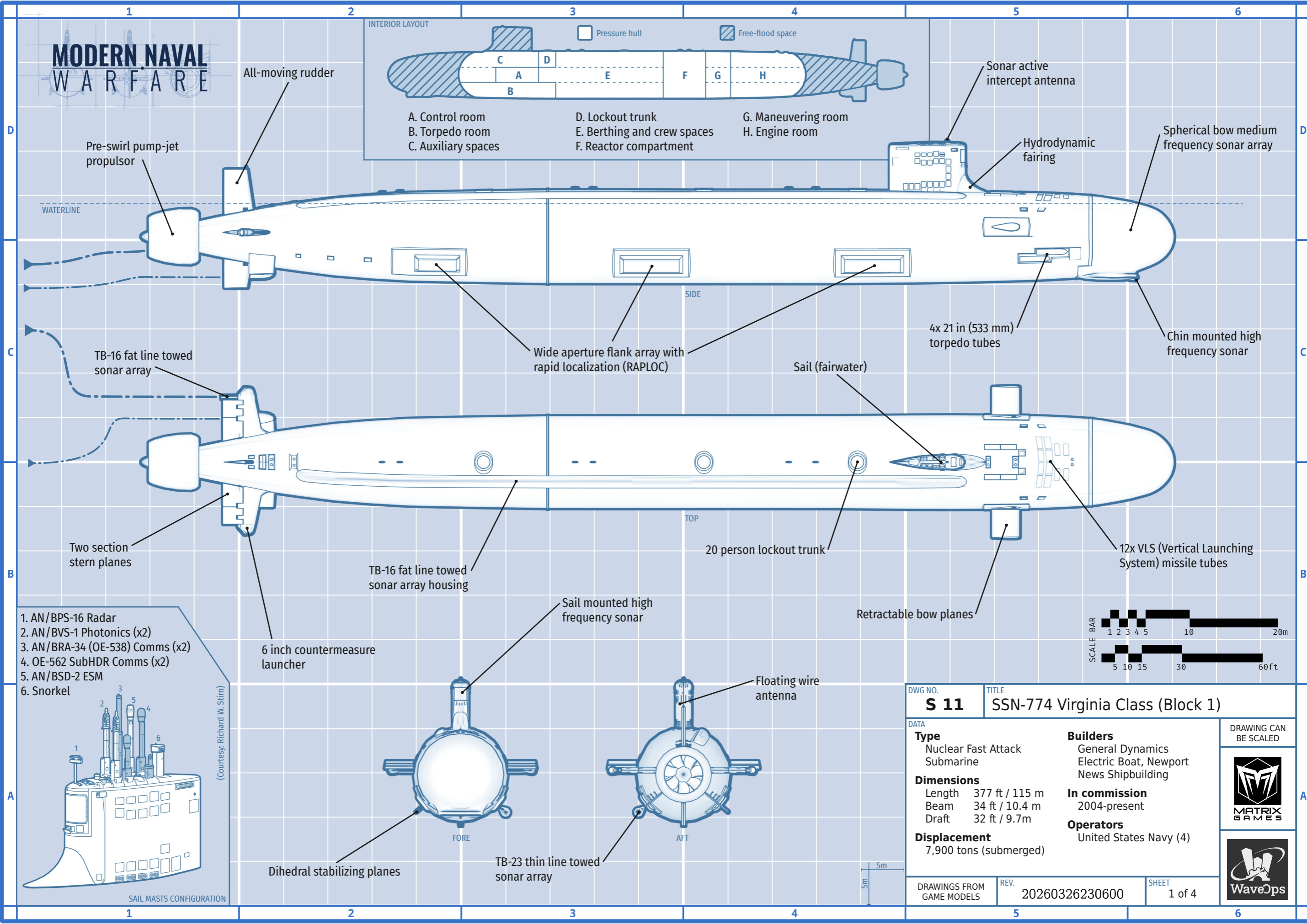
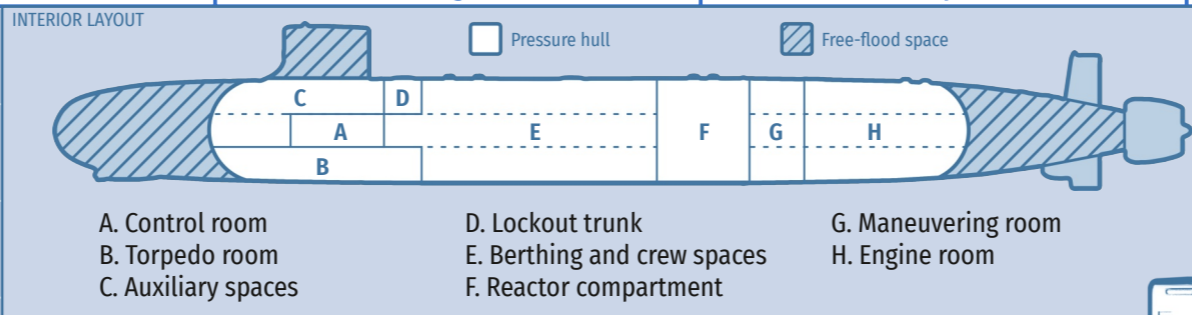
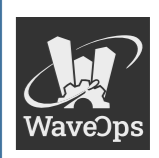


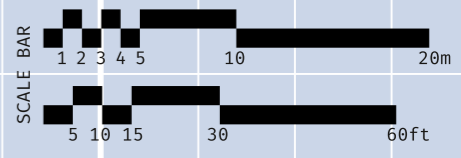
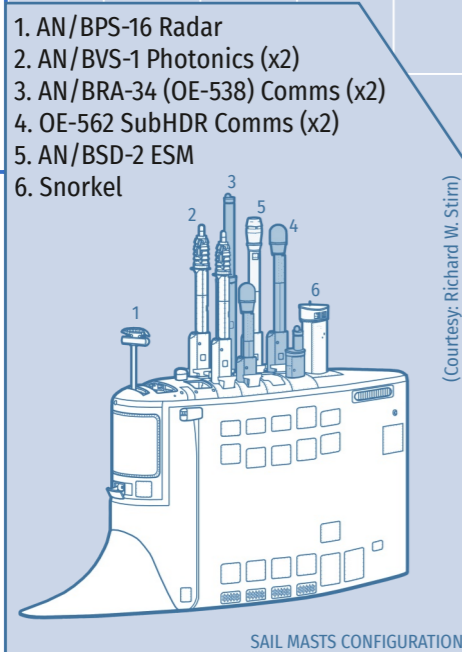
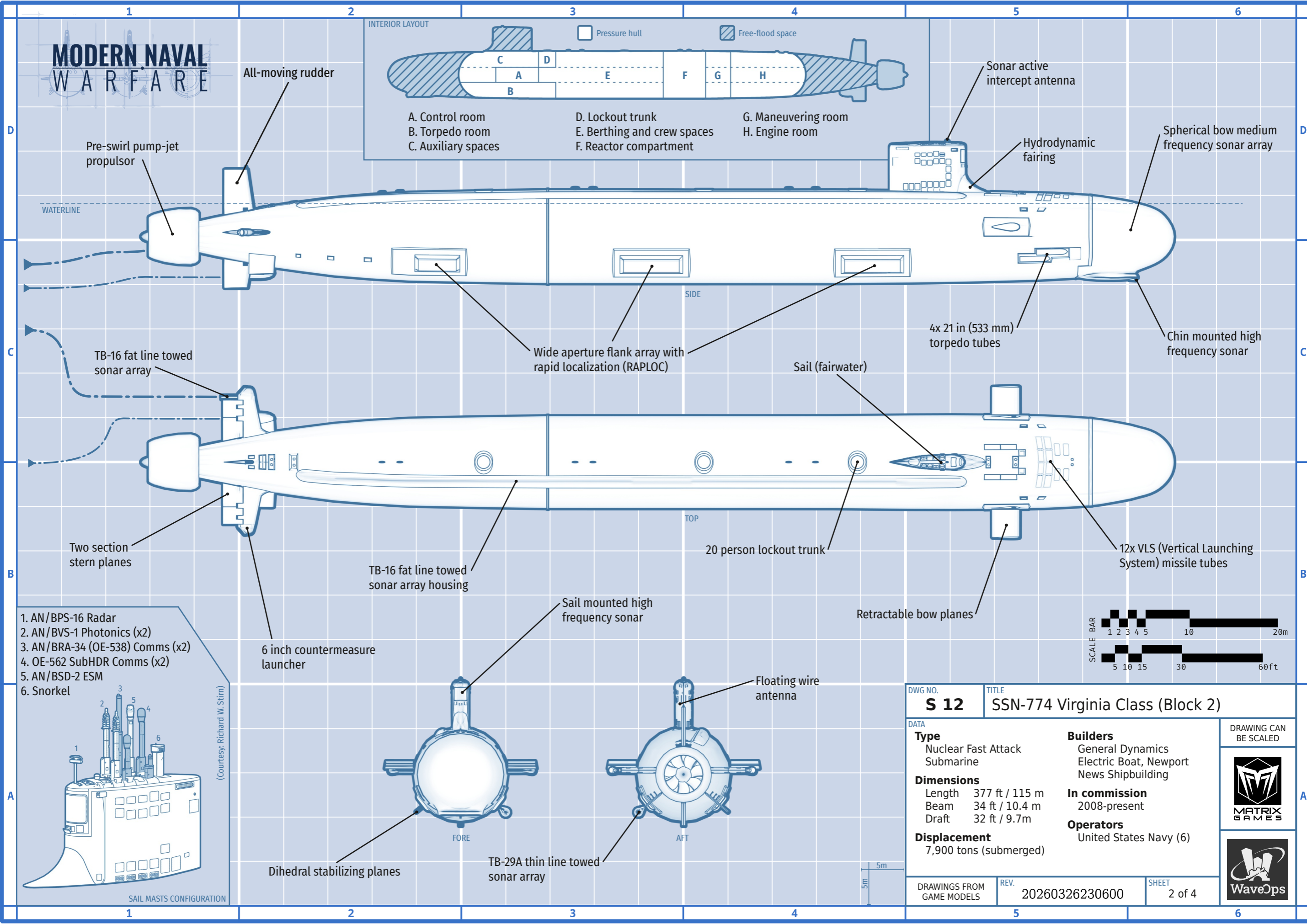
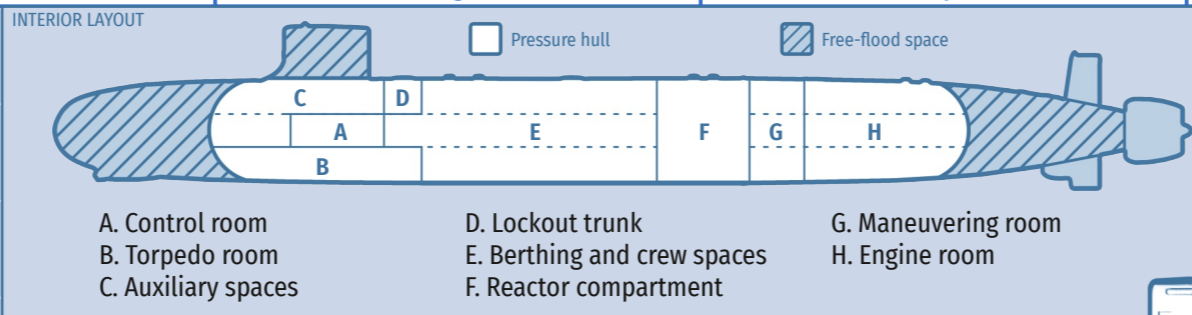
MODERN NAVAL WARFARE



DWG NO. S 11	TITLE SSN-774 Virginia Class (Block 1)	DRAWING CAN BE SCALED
<p>DATA</p> <p>Type Nuclear Fast Attack Submarine</p> <p>Builders General Dynamics Electric Boat, Newport News Shipbuilding</p> <p>Dimensions Length 377 ft / 115 m Beam 34 ft / 10.4 m Draft 32 ft / 9.7m</p> <p>In commission 2004-present</p> <p>Displacement 7,900 tons (submerged)</p> <p>Operators United States Navy (4)</p>		
DRAWINGS FROM GAME MODELS	REV. 20260326230600	SHEET 1 of 4



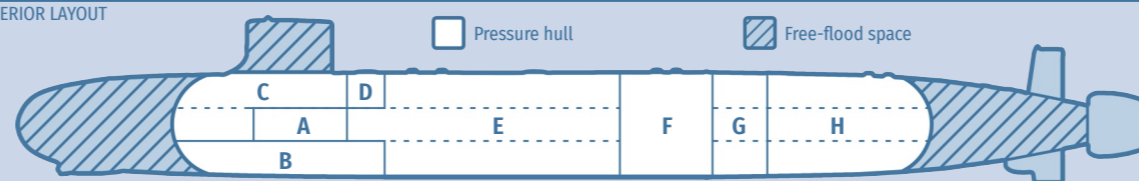
MODERN NAVAL WARFARE



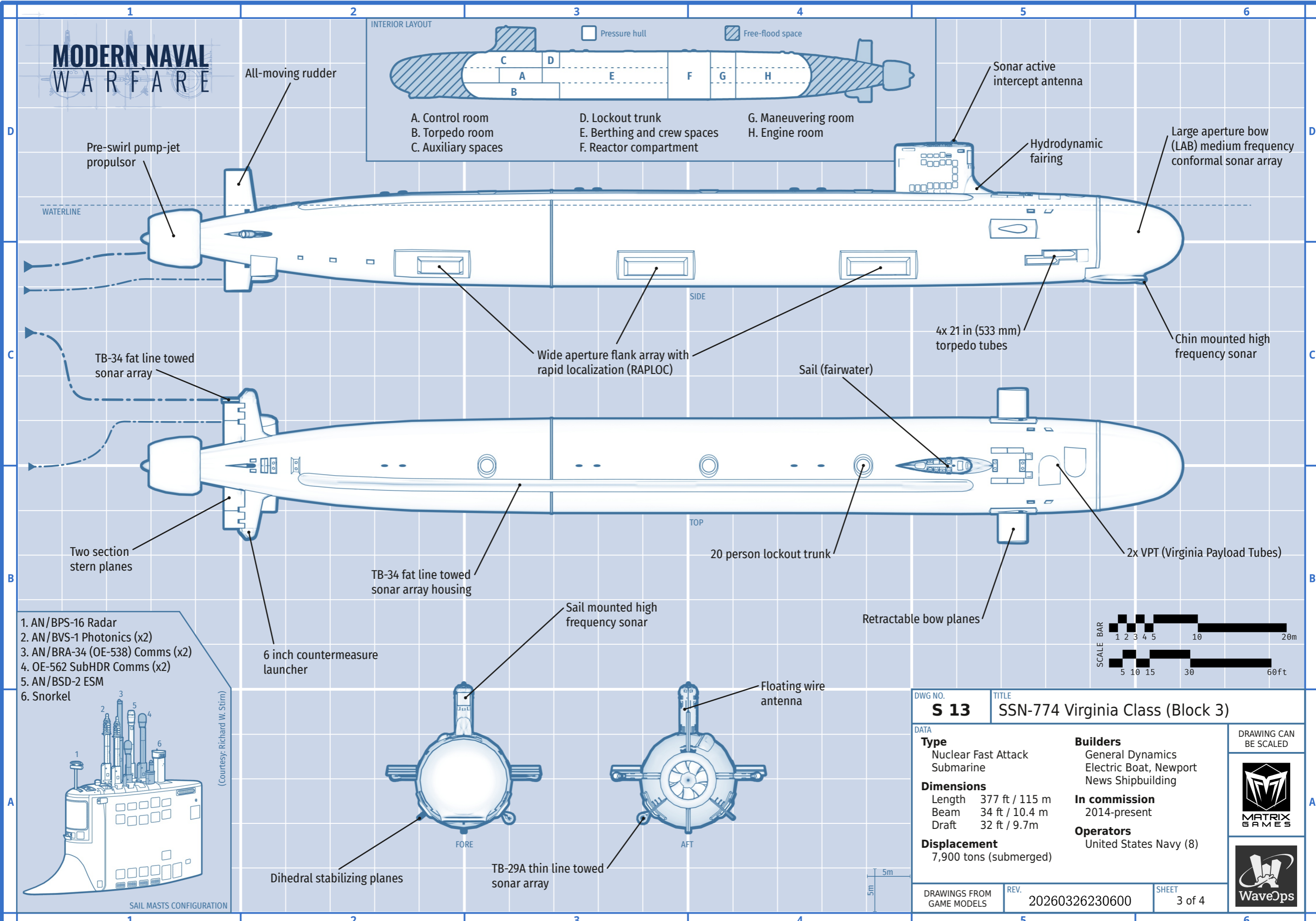
DWG NO. S 12	TITLE SSN-774 Virginia Class (Block 2)	DRAWING CAN BE SCALED
<p>DATA</p> <p>Type Nuclear Fast Attack Submarine</p> <p>Builders General Dynamics Electric Boat, Newport News Shipbuilding</p> <p>Dimensions Length 377 ft / 115 m Beam 34 ft / 10.4 m Draft 32 ft / 9.7m</p> <p>In commission 2008-present</p> <p>Displacement 7,900 tons (submerged)</p> <p>Operators United States Navy (6)</p>		
DRAWINGS FROM GAME MODELS	REV. 20260326230600	SHEET 2 of 4

MODERN NAVAL WARFARE

INTERIOR LAYOUT



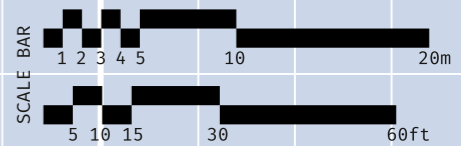
- A. Control room
- B. Torpedo room
- C. Auxiliary spaces
- D. Lockout trunk
- E. Berthing and crew spaces
- F. Reactor compartment
- G. Maneuvering room
- H. Engine room



1. AN/BPS-16 Radar
 2. AN/BVS-1 Photonics (x2)
 3. AN/BRA-34 (OE-538) Comms (x2)
 4. OE-562 SubHDR Comms (x2)
 5. AN/BSD-2 ESM
 6. Snorkel

(Courtesy: Richard W. Strim)

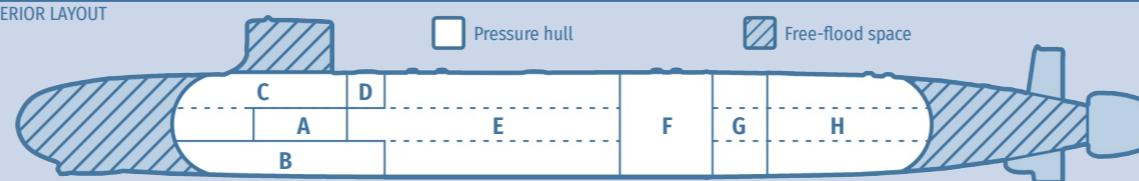
SAIL MASTS CONFIGURATION



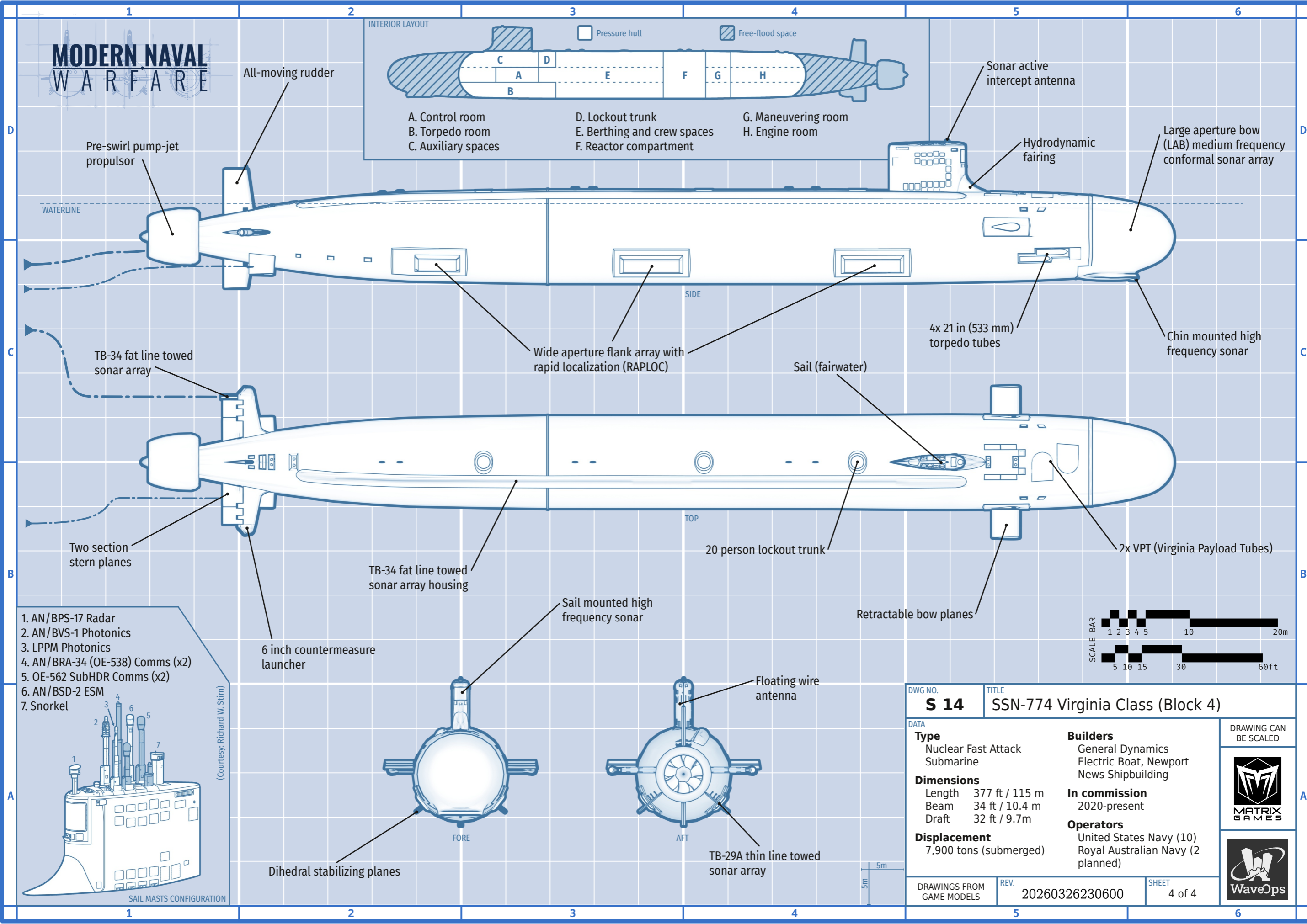
DWG NO. S 13	TITLE SSN-774 Virginia Class (Block 3)	DRAWING CAN BE SCALED							
<table border="1"> <tr> <td>DATA</td> <td></td> </tr> <tr> <td>Type</td> <td>Nuclear Fast Attack Submarine</td> </tr> <tr> <td>Dimensions</td> <td>Length 377 ft / 115 m Beam 34 ft / 10.4 m Draft 32 ft / 9.7 m</td> </tr> <tr> <td>Displacement</td> <td>7,900 tons (submerged)</td> </tr> </table>			DATA		Type	Nuclear Fast Attack Submarine	Dimensions	Length 377 ft / 115 m Beam 34 ft / 10.4 m Draft 32 ft / 9.7 m	Displacement
DATA									
Type	Nuclear Fast Attack Submarine								
Dimensions	Length 377 ft / 115 m Beam 34 ft / 10.4 m Draft 32 ft / 9.7 m								
Displacement	7,900 tons (submerged)								
<table border="1"> <tr> <td>Builders</td> <td>General Dynamics Electric Boat, Newport News Shipbuilding</td> </tr> <tr> <td>In commission</td> <td>2014-present</td> </tr> <tr> <td>Operators</td> <td>United States Navy (8)</td> </tr> </table>		Builders	General Dynamics Electric Boat, Newport News Shipbuilding	In commission	2014-present	Operators	United States Navy (8)	MATRIX GAMES	
Builders	General Dynamics Electric Boat, Newport News Shipbuilding								
In commission	2014-present								
Operators	United States Navy (8)								
DRAWINGS FROM GAME MODELS		REV. 20260326230600							
SHEET 3 of 4		WaveOps							

MODERN NAVAL WARFARE

INTERIOR LAYOUT



- A. Control room
- B. Torpedo room
- C. Auxiliary spaces
- D. Lockout trunk
- E. Berthing and crew spaces
- F. Reactor compartment
- G. Maneuvering room
- H. Engine room



All-moving rudder

Sonar active intercept antenna

Pre-swirl pump-jet propulsor

Hydrodynamic fairing

Large aperture bow (LAB) medium frequency conformal sonar array

WATERLINE

SIDE

4x 21 in (533 mm) torpedo tubes

Chin mounted high frequency sonar

TB-34 fat line towed sonar array

Wide aperture flank array with rapid localization (RAPLOC)

Sail (fairwater)

Two section stern planes

20 person lockout trunk

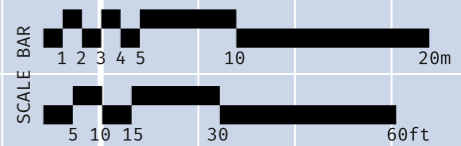
2x VPT (Virginia Payload Tubes)

TB-34 fat line towed sonar array housing

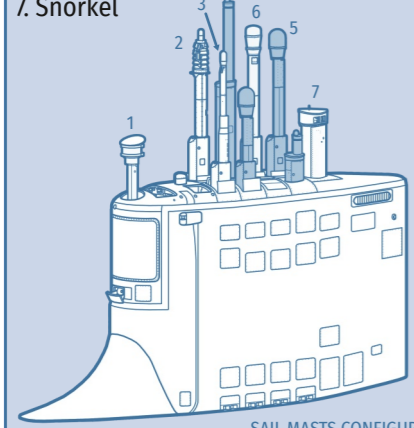
Retractable bow planes

Sail mounted high frequency sonar

6 inch countermeasure launcher

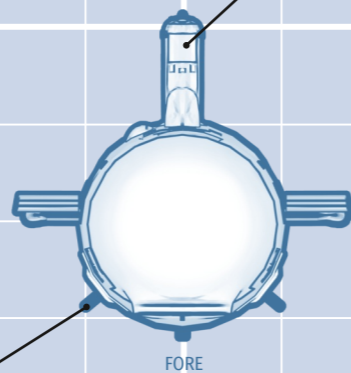


1. AN/BPS-17 Radar
2. AN/BVS-1 Photonics
3. LPPM Photonics
4. AN/BRA-34 (OE-538) Comms (x2)
5. OE-562 SubHDR Comms (x2)
6. AN/BSD-2 ESM
7. Snorkel



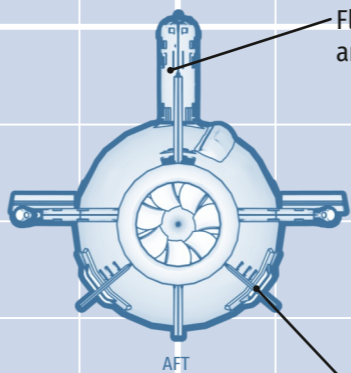
SAIL MASTS CONFIGURATION

(Courtesy: Richard W. Strim)



FORE

Dihedral stabilizing planes



AFT

Floating wire antenna

TB-29A thin line towed sonar array



DWG NO. S 14	TITLE SSN-774 Virginia Class (Block 4)	DRAWING CAN BE SCALED							
<table border="0"> <tr> <td>DATA</td> <td>Builders</td> </tr> <tr> <td>Type Nuclear Fast Attack Submarine</td> <td>General Dynamics Electric Boat, Newport News Shipbuilding</td> </tr> <tr> <td>Dimensions Length 377 ft / 115 m Beam 34 ft / 10.4 m Draft 32 ft / 9.7m</td> <td>In commission 2020-present</td> </tr> <tr> <td>Displacement 7,900 tons (submerged)</td> <td>Operators United States Navy (10) Royal Australian Navy (2 planned)</td> </tr> </table>			DATA	Builders	Type Nuclear Fast Attack Submarine	General Dynamics Electric Boat, Newport News Shipbuilding	Dimensions Length 377 ft / 115 m Beam 34 ft / 10.4 m Draft 32 ft / 9.7m	In commission 2020-present	Displacement 7,900 tons (submerged)
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DRAWINGS FROM GAME MODELS	REV. 20260326230600	SHEET 4 of 4							

