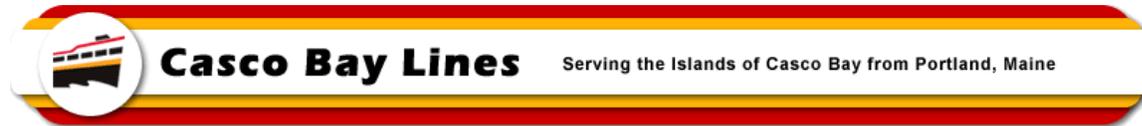


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TO: File

FROM: Paul D. Pottle, Director of Projects

DATE: February 9, 2024

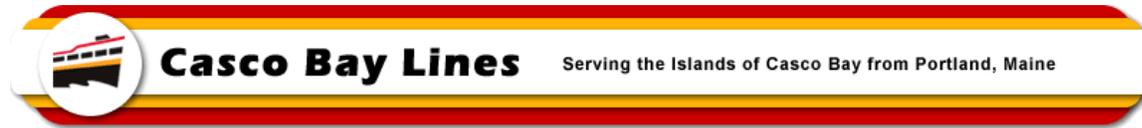
SUBJECT: Construction Progress-Photos for MV Battery Steele at Senesco - # 6

This report covers construction at the Senesco Shipyard for the months of December 2023 and January 2024. Work continues to move along well on the structure of the vessel. The last two months have continued to focus on the structure of the vessel and there has been a lot of work gaining approvals for the various ship systems, which is still ongoing. Some limited activities have begun with the various systems and as approvals are gained, additional work can be advanced. This period saw almost all of the vessel modules put in place, with the exception of the Pilot House Module (#12). Work on the Pilot House structure has begun, but the timing of installing that module is still a ways out. They will do as much as they can with the module before lifting it into place and attaching it to the rest of the vessel. Submissions to and inspections by the US Coast Guard are ongoing, with no major issues identified as of this writing.

The following is a brief overview of the work done from December 1st, 2023 to January 31st, 2024:

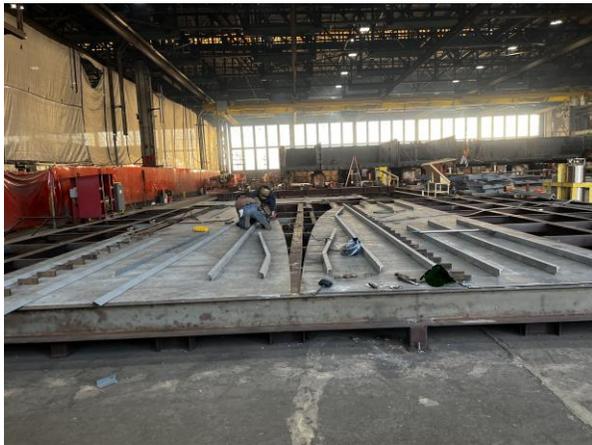
- Crowley Engineering continues to work on plan development for both US Coast Guard submission and for the shipyard to follow for actually building the vessel.
- ABB (propulsion provider) is working on their documents for submission to the US Coast Guard. They need to have approved the battery system and associated electrical systems that are necessary to operate the vessel safely and effectively.
- Senesco is working with various sub-contractors for some submissions to the US Coast Guard as it relates to things like fire suppression, some piping and other support type features not being done by Crowley or ABB.
- Both Caterpillar Generators were delivered to the shipyard and are in storage until the shipyard is ready to install.
- Completed the welding on Module 7 and working on welding for Module 10.
- Cut plating and framing members for modules 6, 8, 9 & 11.
- Fit up panels for modules 6 & 8.
- Welded stanchions on the main deck for supporting modules 6 and 8 in place.
- Fit up bulwarks for modules 6 & 8.
- Fit up panels for modules 9 & 11.
- Cut plating and framing for module 12. Module 12 is what makes up the pilot house structure (2 stories). The first story has the crew lounge and an electronics/Aux Machinery space and the second story is the actual pilot house. Also started some welding of the framing to the plating.
- Constructed foundation framing for the battery racks, switchboards, and the transformers.
- Installed insulation pins and did limited painting in module 3 (engine room area) as well as in modules 4, 5, 7 and 10. This is done in preparation of installing the insulation required for fire protection and sound proofing.

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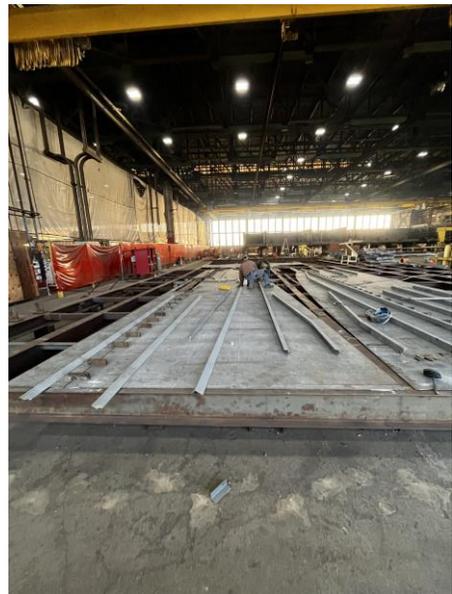


- Doing final welding on modules 7 and 10.
- Started cutting and doing fit up for railings and stairways. Still a work in progress.
- Did fit up and welding on modules 6, 8, 9 & 11. Modules were moved to the assembly area as they were made ready for installation on the assembled modules that were comprised of 1, 2, 3, 4, 5, 7, & 10. The latter modules make up the hull and enclosed areas of the ferry while the first ones make up the open decks that are part of the 01 and 02 decks.
- Performed finish welding on all of the modules and had periodic Coast Guard inspections as sections were finished so that the Coast Guard could inspect and sign off on the work.
- Installed the associated stanchions for installing modules 6, 8, 9 & 11 and then systematically installed the modules in place on the ferry.
- Installed the ferry charger socket enclosure on the 01 deck in the stern starboard corner of the vessel.
- Did fit up work on portions of module 12 and have the bulkheads installed for both stories. This is still a work in progress and the two stories will need to be assembled before being installed on the vessel.

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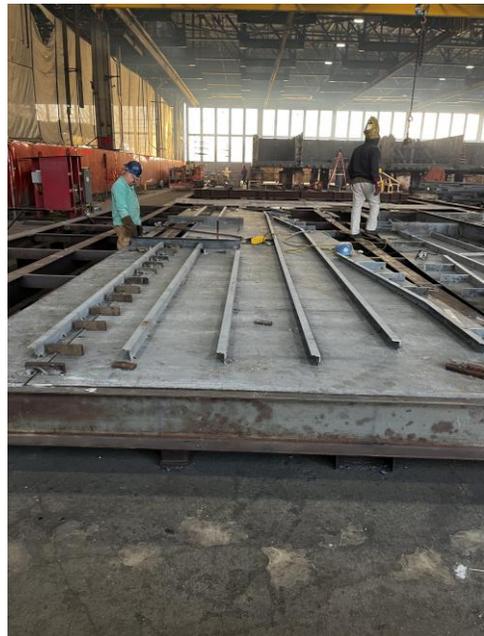
3533 - Deck and framing for modules 6 or 8 which makes up the outside of the 01 deck.



3535 - Deck and framing for modules 6 or 8 which makes up the outside of the 01 deck.

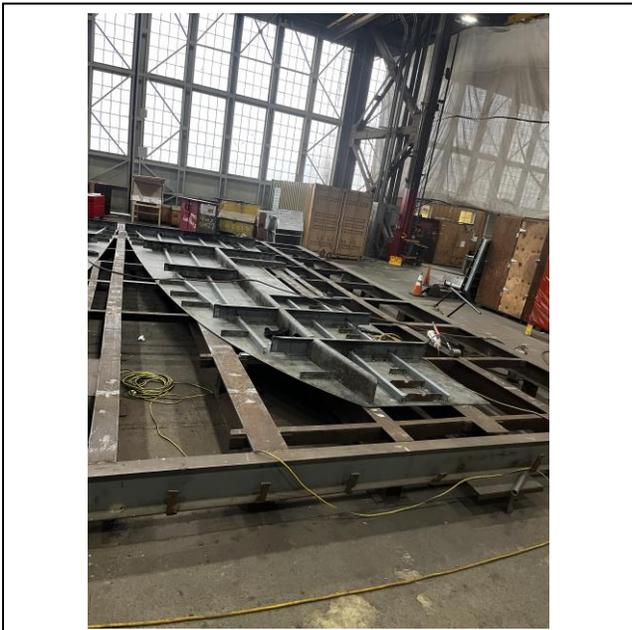


3540 – Deck and framing for modules 6 or 8 which makes up the outside of the 01 deck.

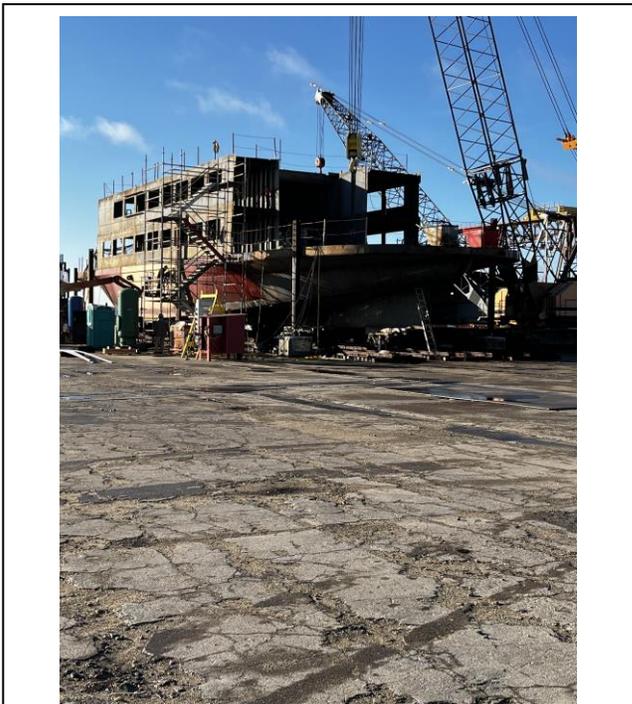


3541 - Deck and framing for modules 6 or 8 which makes up the outside of the 01 deck.

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3556 - Deck and framing for modules 6 or 8 which makes up the outside of the 01 deck.



3542 – View of Port Side

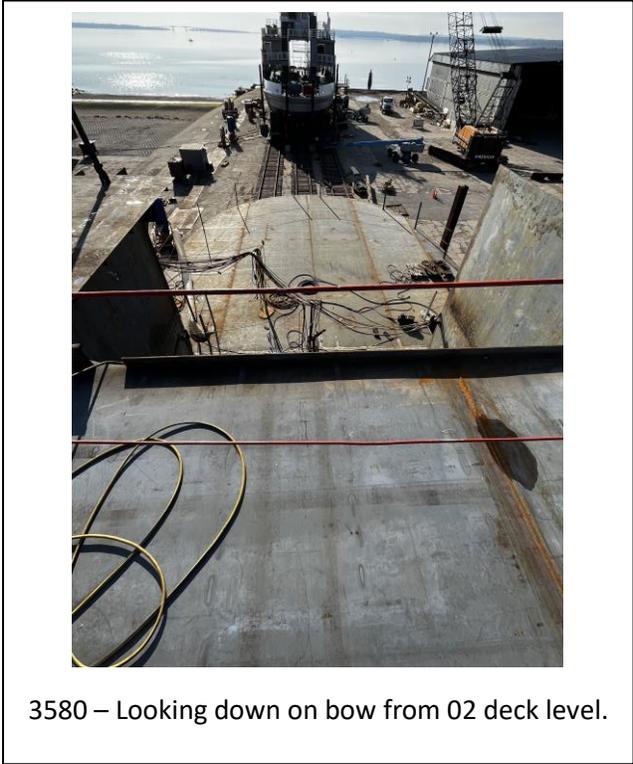


3563 – One of two C-18 Generators for the vessel

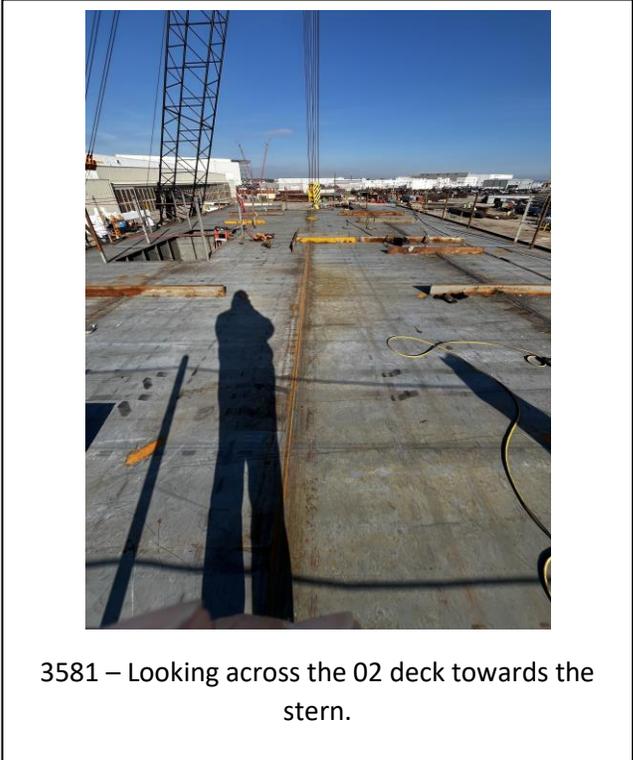


3564 - One of two C-18 Generators for the vessel

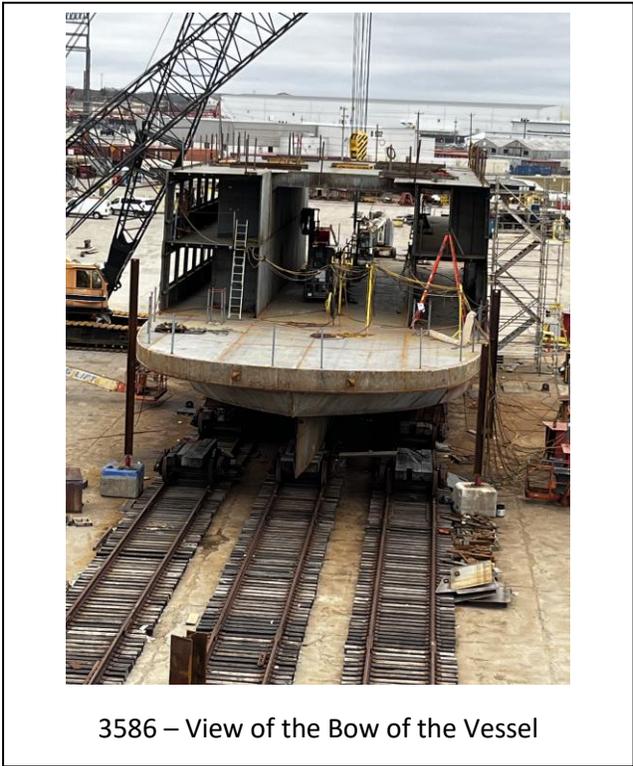
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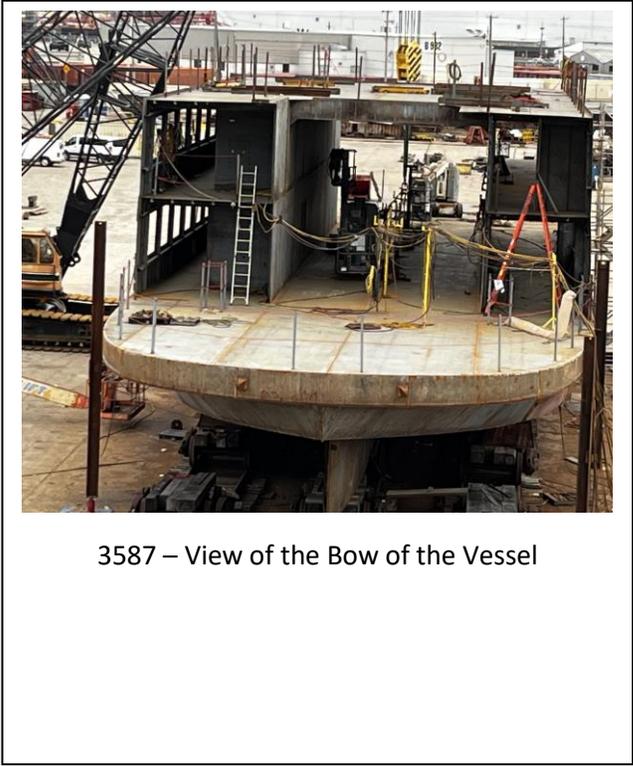
3580 – Looking down on bow from 02 deck level.



3581 – Looking across the 02 deck towards the stern.



3586 – View of the Bow of the Vessel



3587 – View of the Bow of the Vessel

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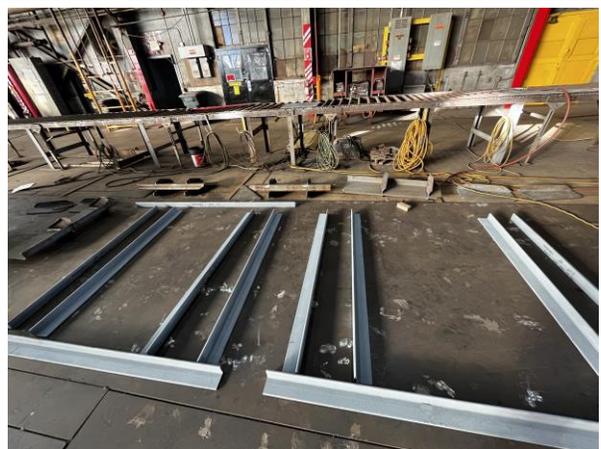
3600 – Handrail Sections Fabricated for the Vessel



3601 – Stair Sections Fabricated for the Vessel

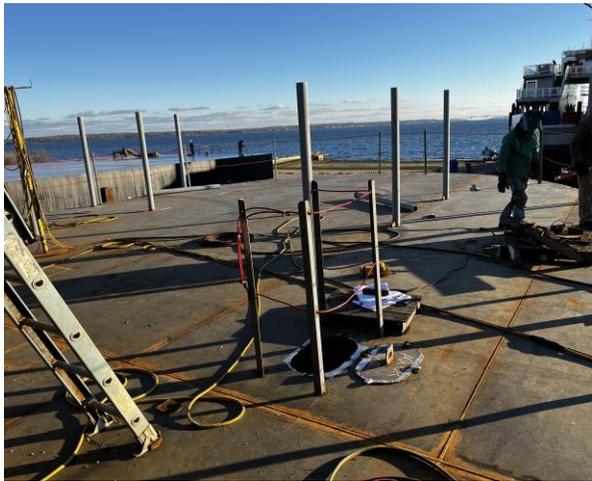
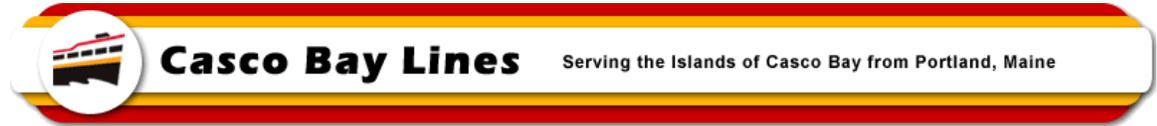


3602 – Switchboard Foundation for the Switchboard Room

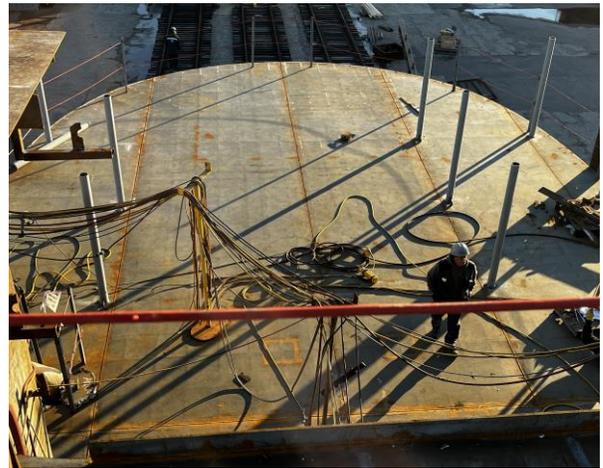


3603 – Transformer Foundation Framing for the Engine Room

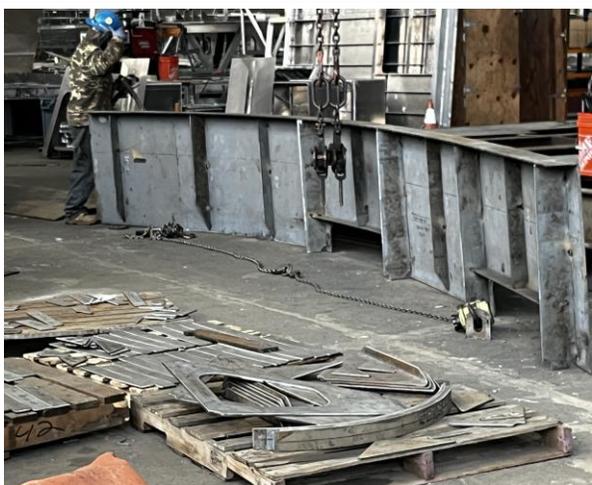
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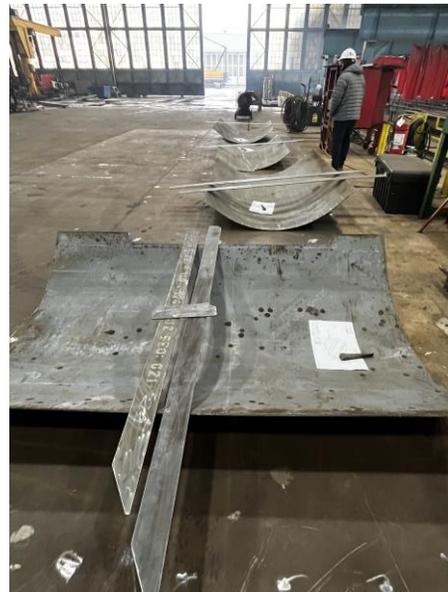
3612 – Pipe Stanchions in Place to Support Module 6 Deck Plating and Framing (01 outside deck on bow end)



3613 - Pipe Stanchions in Place to Support Module 6 Deck Plating and Framing (01 outside deck on bow end)

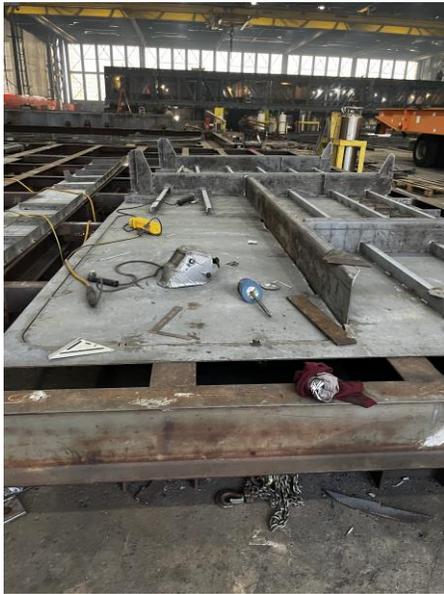


3705 – Bulwark Section Fabrication

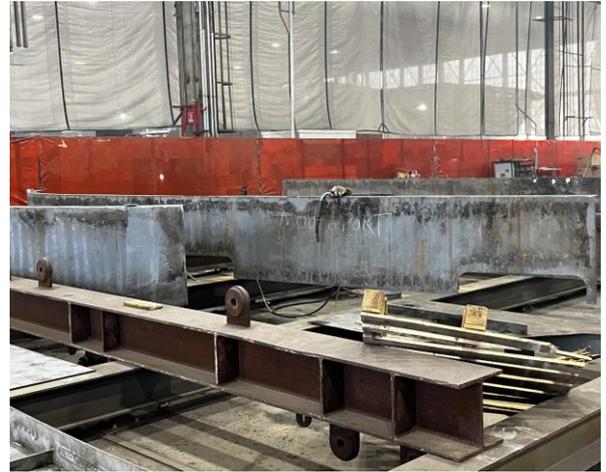


3708 – Corner Bulkhead Plating for the Pilot House Tower - Module 12

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3709 – Plating and Framing for Decking
Associated with Module 6 or 8 (01 outside deck
area)



3710 - Bulwark Section Fabrication



3711 - Bulwark Section Fabrication



3730 - Bulwark Section Fabrication

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3734 – Installing Sections of Module 6 (bow end) to make up 01 Outside Decking



3736 - Installing Stanchions on Module 6 in Preparation of Installing Module 9 (02 Deck outside decking)



3737 – View of Starboard Side with Vessel being Readied to Receive Module 9 Deck Sections (in foreground)



3739 - View of Starboard Side with Vessel being Readied to Receive Module 9 Deck Sections

MEMO



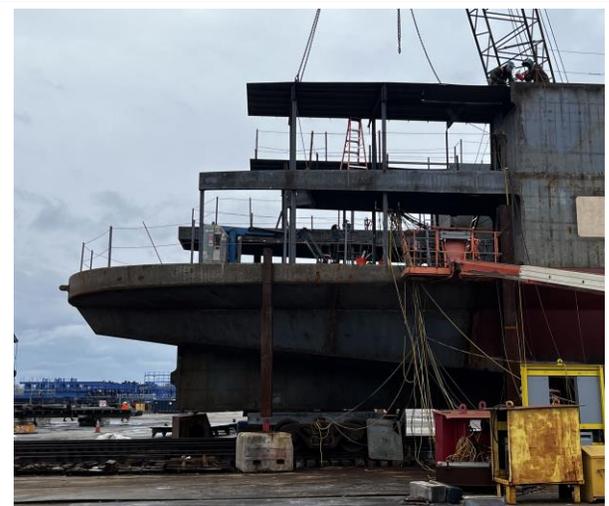
3740 - View of Port Side with Vessel being Readied to Receive Module 9 Deck Sections



3741 – View of Stern of Vessel with Module 8 Decking in place (01 outside decking)



3765 – Port Side, setting Module 9 Decking in Place (02 outside decking)



3766 - Port Side, setting Module 9 Decking in Place (02 outside decking)

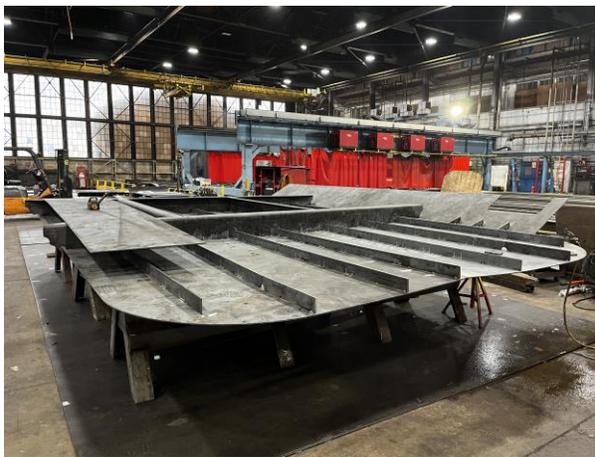
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3768 – Starboard Side, setting Module 9 Decking in Place (02 outside decking)



3770 – Various Plates for Equipment Foundations and Stiffeners

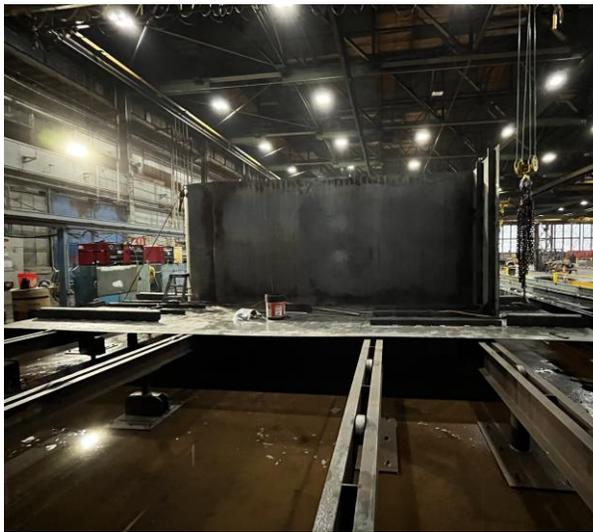


3771 – Pilot House Deck with Framing



3772 – Crew Lounge and Equipment Room Bulkheads Placed on Pilot House Deck

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3773 - Crew Lounge and Equipment Room
Bulkheads Placed on Pilot House Deck



3774 - Crew Lounge and Equipment Room
Bulkheads Placed on Pilot House Deck

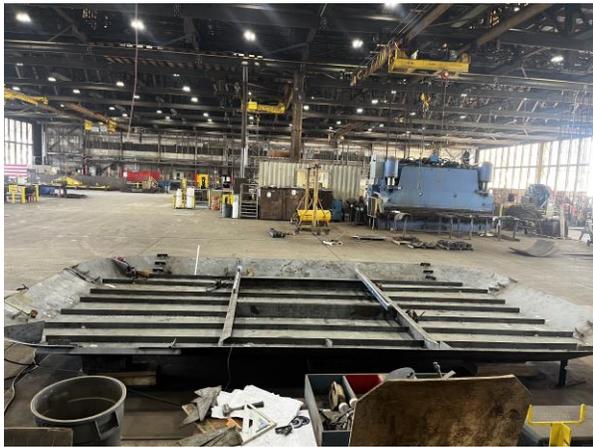


3775 - Bow End with Modules 6 and 9 in Place



3776 - Bow End with Modules 6 and 9 in Place

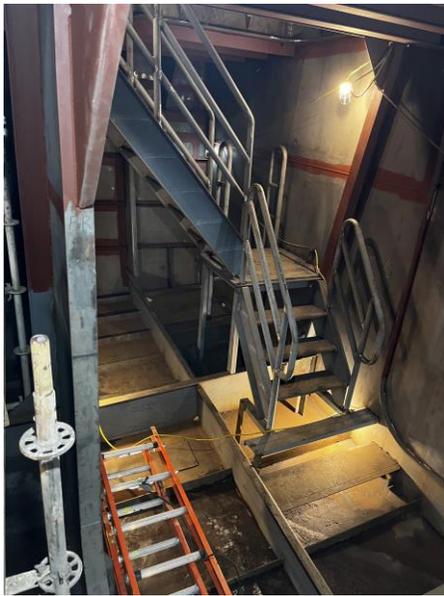
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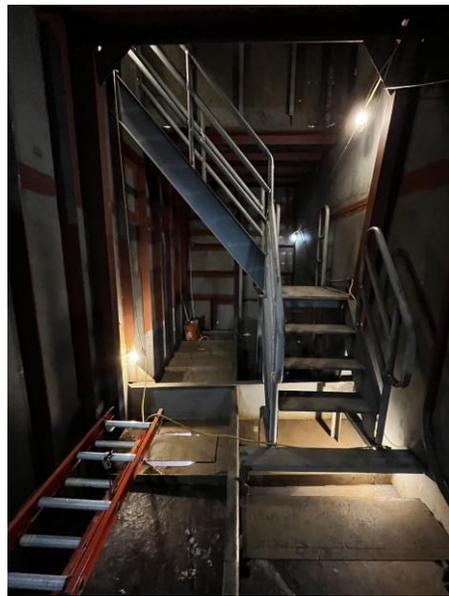
3812 – Pilot House Roof with Framing



3813 - Pilot House Roof with Framing

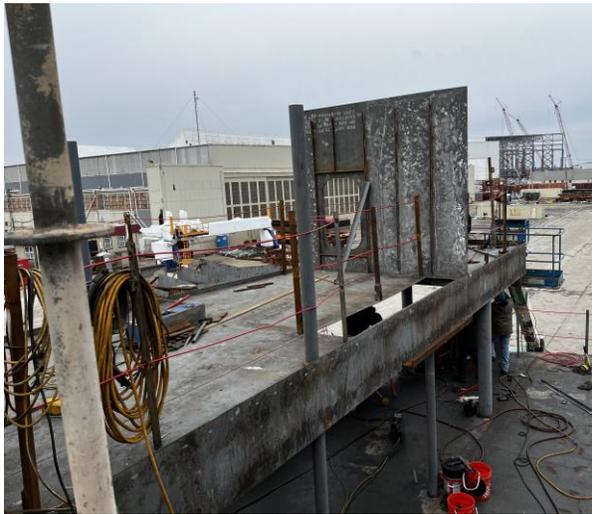


3820 – Stairs to Engine Room from Main Deck



3821 - Stairs to Engine Room from Main Deck

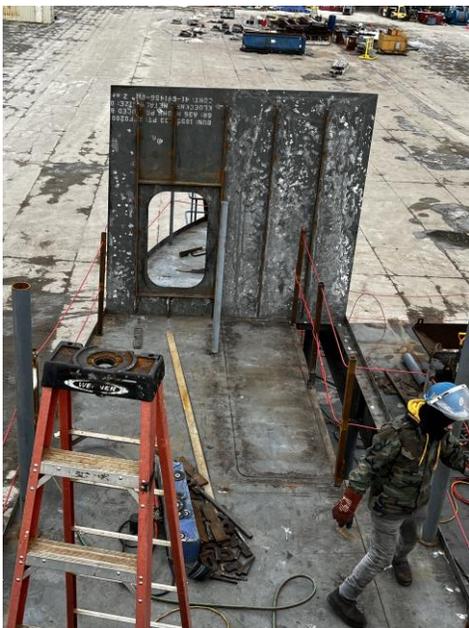
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3823 – Setting Bulkhead on 01 Deck, Stern End for Charging Socket Enclosure



3824 – Stern End, Port Side with Modules 8 and 11 in place.



3825 – Socket Bulkhead with Access Door Opening Cut Out



3826 – 02 Deck looking at Bow End (MSFS New Ferry in Background)

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3827 – Looking at the Stern with work ongoing for modules 6 and 9.



3828 – Setting Module 9 deck plating (02 Deck) on stern of vessel



3830 - Setting Module 9 deck plating (02 Deck) on stern of vessel

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3831 – Placing Pilot House Bulkheads – house is being constructed upside down.



3832 - Placing Pilot House Bulkheads – house is being constructed upside down.



3833 - Placing Pilot House Bulkheads – house is being constructed upside down.

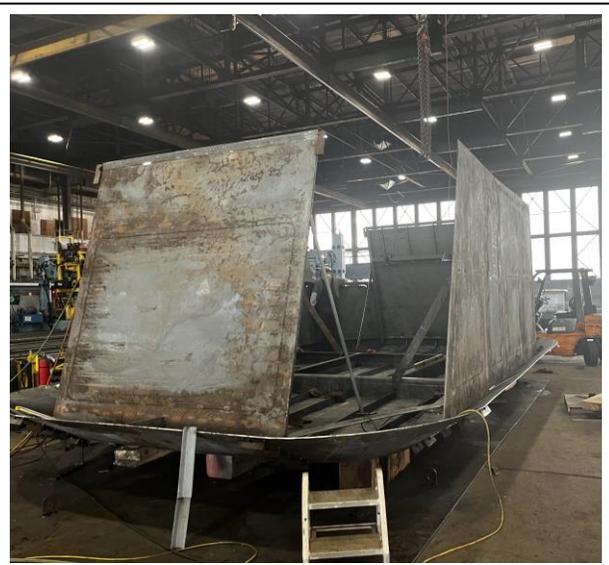


3834 - Placing Pilot House Bulkheads – house is being constructed upside down.

MEMO



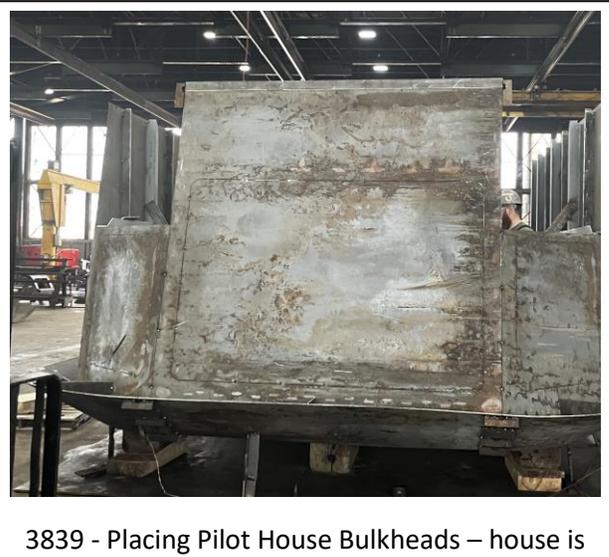
3836 – Electronics Aux Machinery Space and Crew Locker Space that is below Pilot House



3837 - Placing Pilot House Bulkheads – house is being constructed upside down.



3838 - Placing Pilot House Bulkheads – house is being constructed upside down.



3839 - Placing Pilot House Bulkheads – house is being constructed upside down.

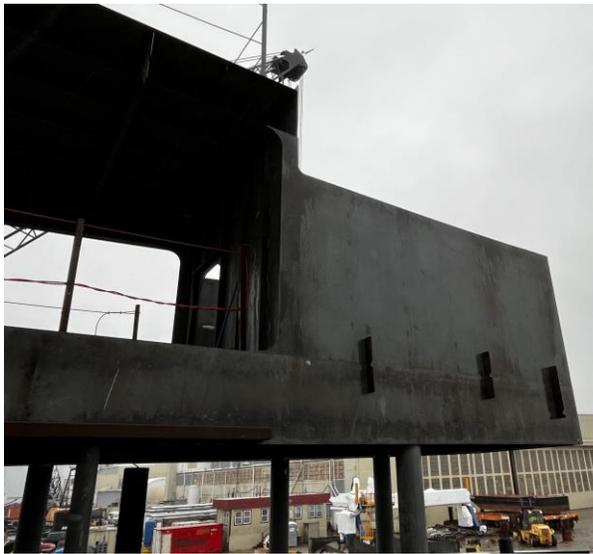
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3841 – Working on Charger Socket Enclosure on 01 deck starboard stern.



3842 - Working on Charger Socket Enclosure on 01 deck starboard stern.

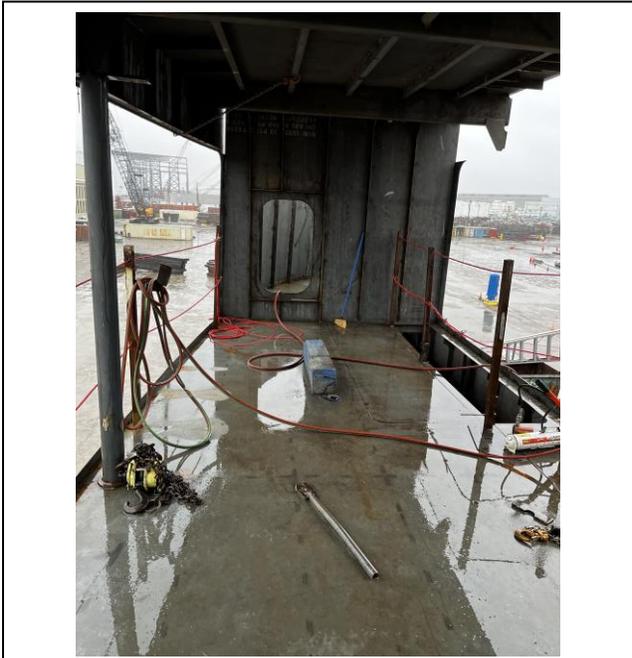


3844 – Strong Backs holding bulkhead in proper alignment for welding - Charger Socket Enclosure



3845 – Charger Socket Enclosure - View from vehicle deck

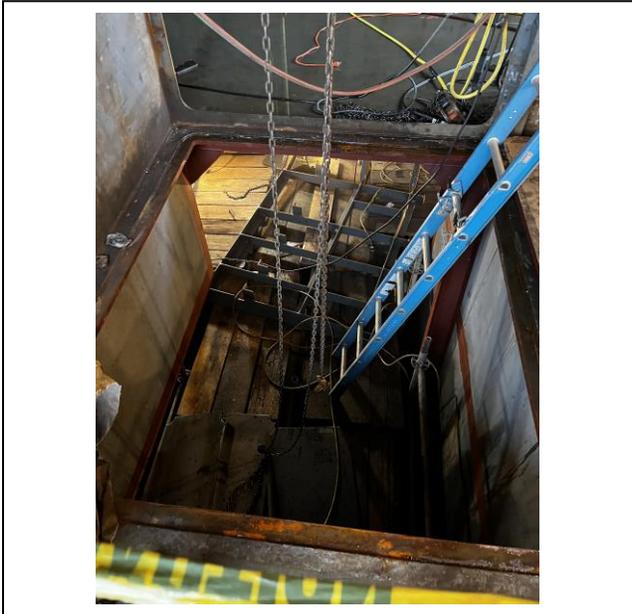
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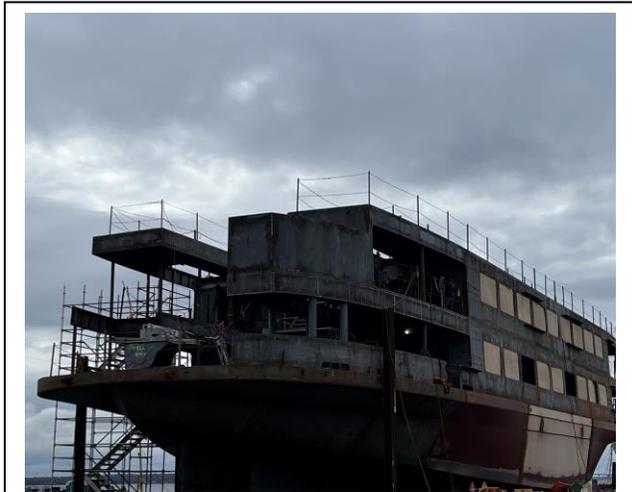
3846 – Access Opening to Socket enclosure from 01 deck



3848 – View of Socket Enclosure from 02 deck



3847 – Access Opening to Engine Room



3853 – View down starboard side of vessel stern modules (8 & 11) in place

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3856 – Pilot House fitted up with all bulkheads



3857 - Pilot House fitted up with all bulkheads



3860 – Inside of Engine Room Space – Note insulation studs welded to ceiling area

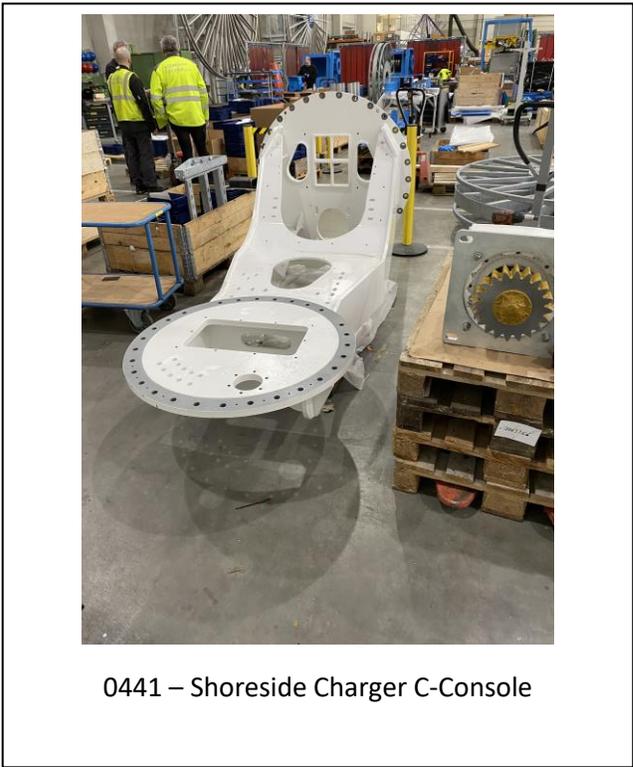


3861 - Inside of Engine Room Space - Note insulation studs welded to ceiling area

MEMO



0440 – Shoreside Charger Control Cabinet Side 1 for the Tower Structure



0441 – Shoreside Charger C-Console



0442 - Shoreside Charger Control Cabinet Side 2 for the Tower Structure



3684 – Batteries delivered to the shipyard in shipping packaging

MEMO



3854 – View of Starboard Side of Vessel



3855 – View of Port Side of Vessel