

TO: File

FROM: Paul D. Pottle, Director of Projects

DATE: October 13, 2025

SUBJECT: Construction Progress Report for MV Battery Steele - #16

This report covers construction at the Senesco Shipyard for the months of August 2025 and September 2025. The noticeable increase in workers has continued since the last report and the shipyard has been able to make good progress in many areas. There remains a good focus on insulation, painting, wiring and completing loadouts for the various below deck spaces. They were able to fully load out the engine room and switchboard room #1. Piping continues to be advanced and as equipment has been installed, hook-ups have started to occur. The team continues to work with the Coast Guard on a number of submissions as well as having regular inspections of work elements as that work is completed. No major issues have been identified as of this writing. The Coast Guard is on site several times per week.

CBL staff have increased their site visits to review work and to help resolve layout issues associated with the various finish features and control devices. These trips have included management, maintenance staff and several of the captains. The inspection team from the naval architect firm is now on site 4 to 5 days per week and attends Coast Guard inspection visits.

Conversations on the schedule are held weekly and even with the increased work efforts; there has been some additional slippage in the schedule. The shippard is working with their subs to establish an updated schedule for submission to CBL, but all indicators currently point to the vessel being delivered to Maine in mid to late March of 2026. There was also a precommissioning visit by Stemmann, the shore charger supplier, to ensure that the charger was not damaged during shipping and to check to see if it operated as designed and expected. There were only minor issues found that were corrected on site by the Stemmann technician. This also was an opportunity for staff to become more familiar with the operation and maintenance of the charger. Once the vessel arrives in Maine, there will be some commissioning work associated with getting the vessel and the charger in sync and hopefully crew training and familiarization can start in April of 2026.

The following is a brief overview of the work done from August 1st, 2025, to September 30th, 2025:

- Set access systems in place to support loading equipment into the engine room. By mid-September, all of the engine room equipment was in place and secured on their foundations. This work included the two generators, three transformers (shore power & two ship services), the main boiler for the heating systems, and a variety of smaller units.
- Finished main piping installation and testing, will need to continue to make connections to loaded out equipment.
- Painting continued in several areas and is an ongoing process as work areas are finished and final coats of paint are applied.



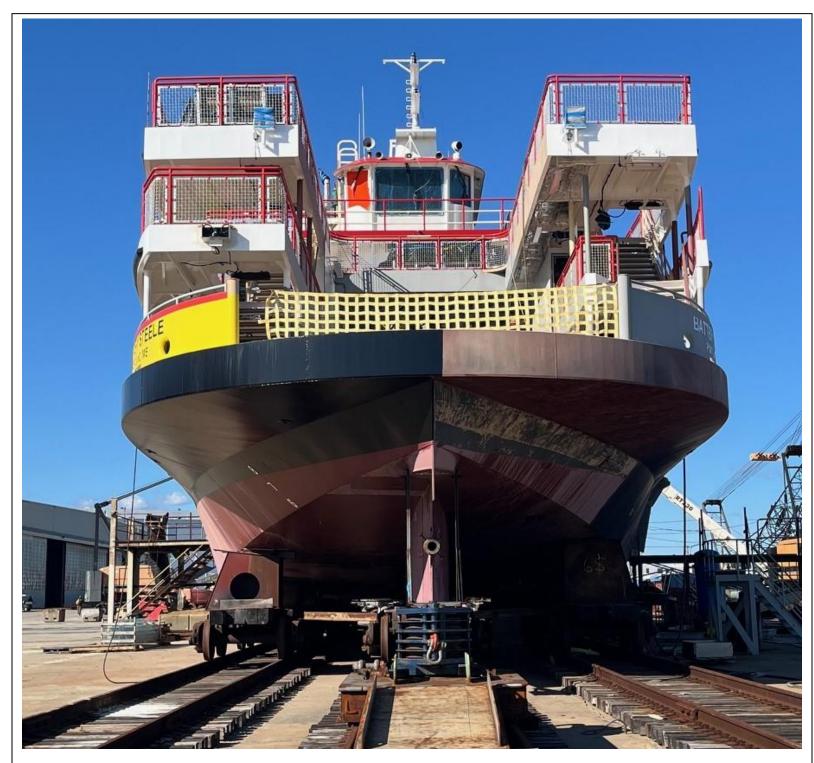
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- Installed sewage and potable water tanks and began connecting to the piping system.
- Installed battery racks in the battery rooms.
- Started installing ventilation, both supply and exhaust in the switchboard rooms, engine room and battery rooms.
- Continued installing insulation to spaces that were completed. Also started installing perforated sheathing in various locations.
- Insulated various piping for the potable water and tempered water systems.
- Insulated the exhaust piping.
- Finished installing all doors.
- Installed and tested the saltwater cooling system for the forward generator.
- Installed the water maker system (reverse osmosis) and associated piping.
- Installed the distribution switchboard in the engine room.
- Continued running electrical cables in the Pilot House, Electronics Room and Engine Room.
- Installed the steering system hydraulics and equipment as well as misc. support items in the lazarettes.
- Continued work on the Pilot House consoles in preparation of installing operating equipment and devices.
- Loaded out Switchboard Room #1 and started tying equipment together. Some of the equipment included in the loadout is the GRCU (Generator Rectifier Control Unit) Cabinet, ESCU (Energy Storage Control Unit) Cabinet, FDCU (Field Drive Control Unit) Cabinet, VMS (Vessel Management System) Cabinet, NDU (Network Distribution Unit) Cabinet, Condenser, and UPS (Uninterruptible Power Supply).
- Fabricated spill containment box for fill pipe locations.
- Preparations started for shaft pre-alignment on both ends of the vessel.
- Installed in-ceiling fan coils units in Battery Rooms.
- Installed moisture rejection closures for most spaces.
- Continued work on ventilation systems.
- Continued installing equipment in Electronics Room and making electrical connections.
- Installed expansion tanks for potable water and tempered water systems.
- Began preparing Switchboard Room #2 for loadout.
- Installed thermostats in all voids and the lazarettes.
- Installed all lighting in the engine room.
- Installed NOVEC fire suppression system in the engine room and vois 3 and had it tested and signed off by the US Coast Guard.
- Finished installing all of the insulation and joinery tracks in the passenger cabins.
- Started assembling the water mist system for the battery rooms.
- Started preparing the anchor storage area for installation of anchor.
- Installed the shore charger electrical cables from the charger socket to the engine room.
- Several of the exterior deck areas had the studs for the benches installed and then the
 decks were prepared and received their final paint treatments to include non-skid
 applications.
- Began fabricating the folding bench seats for some of the interior cabin spaces.

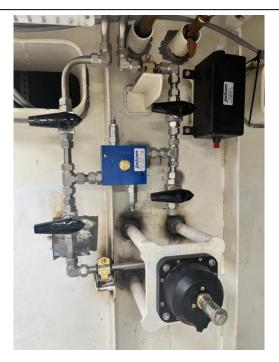


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- Made additional submissions as well as responded to inquiries for the US Coast Guard.
- The US Coast Guard continues to have a presence at the shipyard, inspecting completed work and signing off on areas that have passed the inspection.



4300a – Battery Steele – Bow End



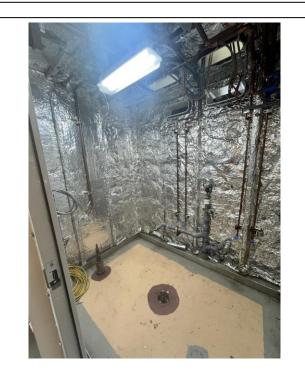
7165 – Steering System Piping in Lazarette



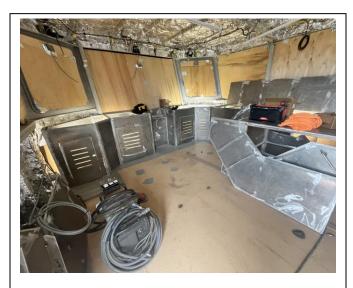
7166 – Unit Heater in Lazarette



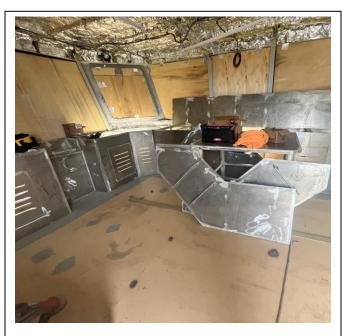
7168 – Life Jacket Locker Foundation – Main Deck



7169 – Crew Quarters Restroom Roughed In



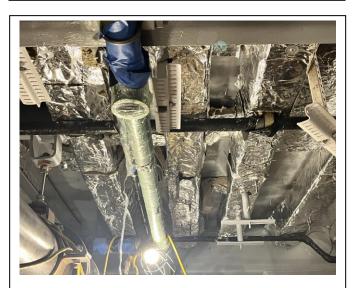
7171 – Pilot House Console – Cutting Out Equipment Opening & Doors



7172 - Pilot House Console - Cutting Out Equipment Opening & Doors



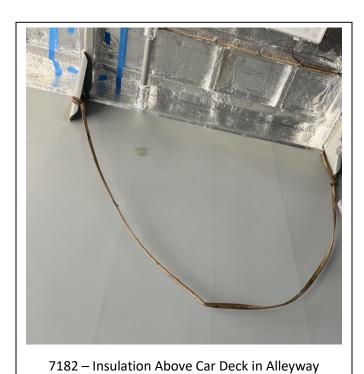
7176 - Lube Oil Tank in Engine Room



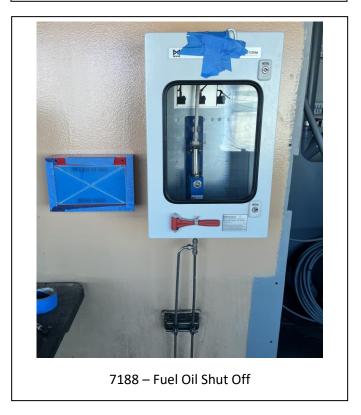
7177 – Insulation in Engine Room



7189 – Electrical Panel in Electronics Room







Battery Steele Construction Progress Report #15



7185 – Charging Socket Readied to Lift onto Vessel



7186 – Charging Socket Readied to Lift onto Vessel



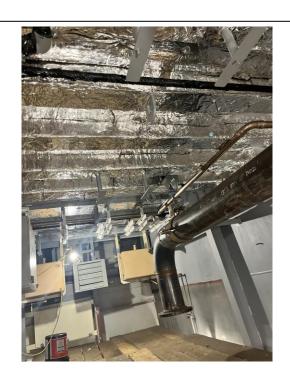
7203 – Charger Socket Set in Socket Enclosure



7208 – Top of Charger Socket (cover closed)



7190 – Doorway to Crew Restroom



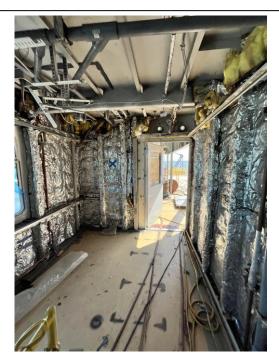
7195 – Exhaust Piping for Generator



7197 – Water Maker System (Reverse Osmosis)



7198 – Pump Area at Base of Engine Room Stairway



7214 - Main Deck Port Cabin - Insulated



7220 – Looking from Electronics Room into Crew **Quarters Space**



7221 – Door Installed to 01 Deck Port Cabin Cleaning Locker



7224 – Door Installed to Main Deck Starboard Cabin **Cleaning Locker**



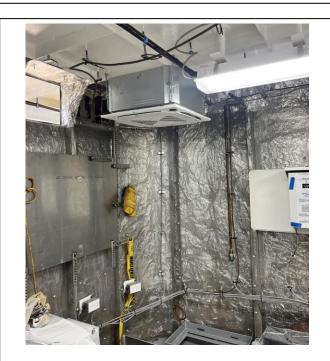
7228- Elevator Access on 02 Deck



7229 – Hull Opening and Access Ramp for Engine **Room Loadout**



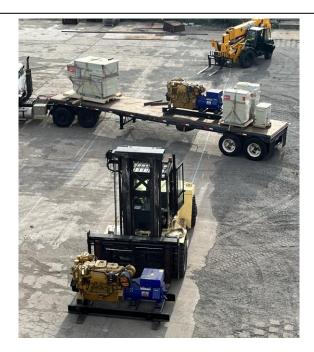
7230 - Hull Opening and Access Ramp for Engine **Room Loadout**



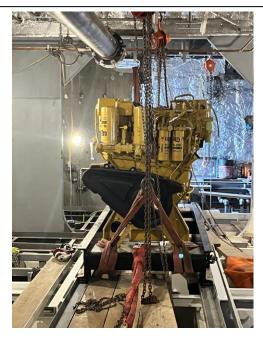
7235 – Electronics Room – Outlets, Panel Board Backing and AC Unit in Ceiling



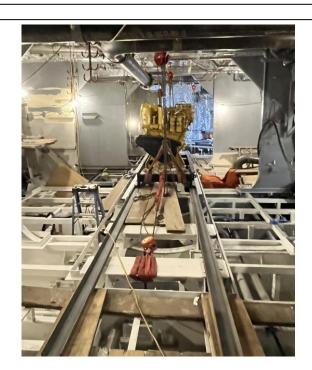
7236 – Wiring Electrical Panel in Electronics Room



7257 – Staging CAT Generators & Transformers for Loadout



7260 – Loading Generator into Engine Room



7261 – Loading Generator into Engine Room



7263 – Loading Generator into Engine Room



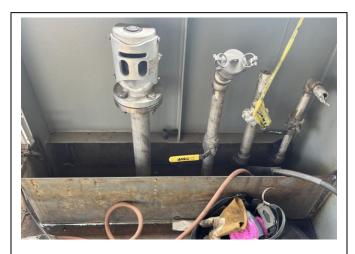
7265 – Loading Generator into Engine Room



7275 – Loading Transformer into Engine Room



7276 – Loading Transformer into Engine Room



7262 – Spill Containment Box & Associated Piping



7278 – Goose Neck Venting for Below Deck Spaces



7277 – Loading the Boiler into the Engine Room



7280 – Installing Keel Coolers on Hull



7282 – Supply Ventilation Fans for Engine Room



7363 - Boiler Controls & Circulator



7364 – Protective Covering on Transformer



7365 – Protective Covering on Transformer



7369 – Propulsion Cooling Pump Controls



7372 – Sewerage Pump



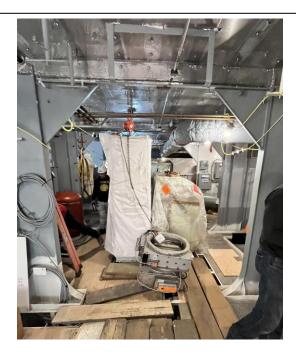
7373 – RDS (Remote Diagnostic System) Unit for Electronics Room



7375 – OWS (Ops Workstation) in Engine Room



7380 – Battery Racks in Battery Room



7381 – Protecting Equip in Engine Room During Loadout



7382 – Pipe Connections to Sewage Tank



7384 – Pipe Connections to Sewage Tank



7385 – Piping Connections to Potable Water Tank



7386 – Insulating Exhaust Piping on 02 Deck



7387 – Wiring & Equipment Installs in Electronics Room



7388 – Equipment in Electronics Room



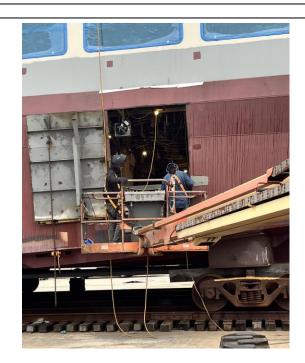
7390– Electrical Panel & Wiring in Pilot House



7391 – Work on PH Console Openings



7392 – Work on PH Console Openings



7415 – Loading Equipment into Engine Room



7416 – Battery Racks in Battery Room



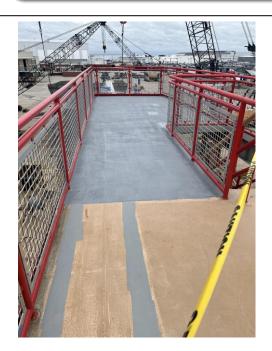
7417 – Hull Opening for Loading Switchboard Room #1



7421 – Pilot House Console with Cutouts in Place



7423 – Protected Equip. in Engine Room



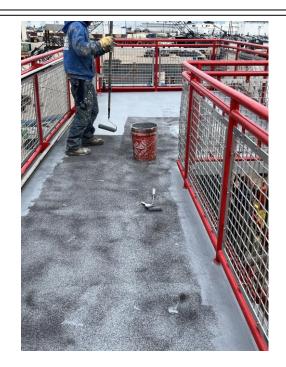
7418 – Finished Deck Area 02 Starboard Stern Deck



7419 – Non-Skid Coating prior to final Deck Coating
Application



7420 – Non-Skid Applied on 02 Starboard Bow Deck



7422 – Applying Finish Coat Over Non-Skid



7424 – Protected Pumps



7425 - Protected Control Panels



7427 – Protected Panels & Pumps



7429 - Protected Pumps



7430 – Covered Installed Generator



7432 - Sewer Tank with Piping



7435 – Motor Controller for Pumps - Covered



7439 – Water Tank w/Pumps a & Controls Protected



7440 – Generator Installed & Protected



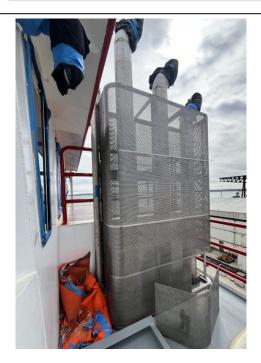
7441 – Engine Room Supply Air Fan Locations in Engine Room (top of picture)



7442 – Engine Room Supply Air Fan Locations in Engine Room (top of picture)



7444 – Tempered Water System Protected



7445 – Exhaust Heat Shield in Place



7446 – Wiring of Mast Lights a & Equipment



7456 - Hydraulic HPU in Lazarette



7475 – Painted Floor at Elevator on Main Deck. Note the BERP (Bolted Equipment Removal Path) on the Floor and Bulkhead to Assist with Equipment Loadout & Future Removal



7477 - Talkback Phone Station in Electronics Room



7478 – Ductwork Components set for Loadout



7490 - Talkback Unit



7494 – Typical Venting Cutout in Bulkhead for Below Deck Spaces



7496 – Heater for Void #2



7497 – Heater with Bracing Added for Stability



7499 – Painted Deck in Socket Enclosure Area



7500 – Staged Benches for Future Installation



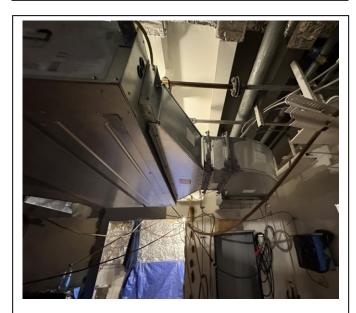
7501 – Misc. Equip & Venting in Electronics Room



7503 – Typical Venting Configuration in Bulkhead



7504– Boiler Piping Being Connected



7562 – Duct Work being Installed in Engine Room



7563 – Duct Work being Installed in Engine Room



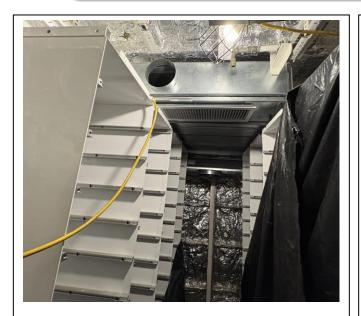
7564 - Fan Coil Unit



7566 – Duct Work being Installed in Engine Room



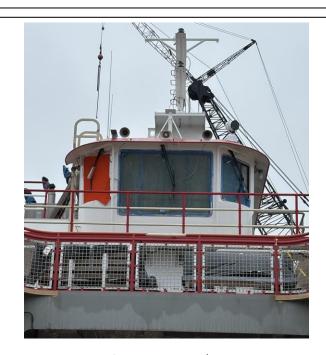
7567 – Duct Work being Installed in Engine Room



7569 – Duct Work in Battery Room



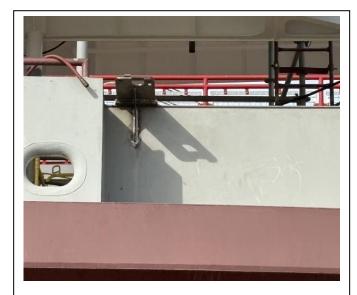
7570 – Duct Work in Battery Room



7571 – View of PH Window w/Wipers. Horns & Lights



7573 – Anchor Storage Area Being Prepared for Anchor



7601 – Anchor Storage Area Being Prepared for Anchor



7596 - Switchboard Room #1 Loadout



7597 – FDCU & GRCU Units in Switchboard Room



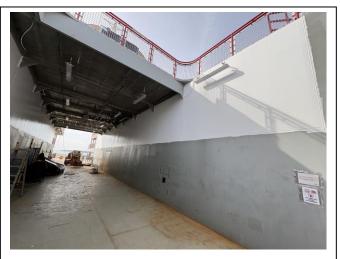
7598 - ESCU in Switchboard Room



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7602 – Vehicle Alleyway Being Painted



7603 – Vehicle Alleyway Being Painted



7605 – Electrical Panel in Engine Room



7606 – Electrical Panel in Engine Room



7607 - Electrical Panel in Engine Room



7608 - Duct Work in Engine Room



7609 - Duct Damper Adjustment Controls



7610 - Duct Damper Adjustment Controls



7611 – Typical Fire Damper



7612 – Control Panel for Tempered Water Pumps



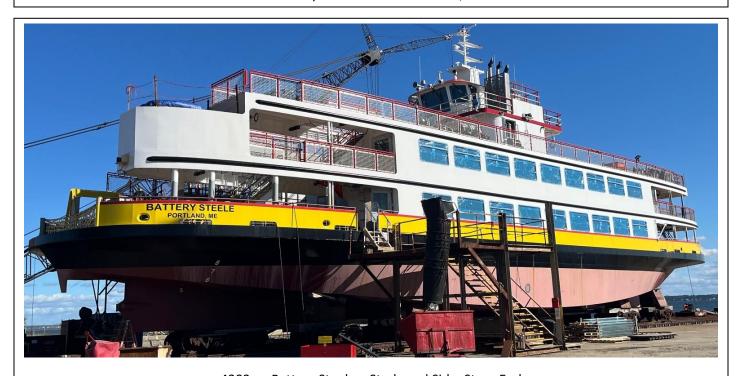
7613 – PH Window, Light, Access & Horn



7614 – Typical Air Horn



4302a – Battery Steele – Starboard Side, Bow End



4303a – Battery Steele – Starboard Side, Stern End