USCGC HUDSON (WLIC 801)

SPECIFICATION FOR DOCKSIDE REPAIRS

FY2026

Developed By: Erik C Elasik

(Rev-0, 15 October 2025)

WORK ITEM 19: Pilothouse Window, Replace

1. SCOPE

1.1 Intent. This work item describes the requirements for the Contractor to replace windows, as designated in Table 1.

TABLE 1 – WINDOW REPLACEMENT ITEMS

ITEM	LOCATION	DESCRIPTION
Pilothouse Fixed Window, Starboard (2 ea)	Pilothouse (02-102-0-C)	BM #338 PN 8, Window, Fixed, Heat Treated, 24"x30", 3/8" Thick Glass, Similar to Kearfott K-325-F
Pilothouse Fixed Window, Starboard (1 ea)	Pilothouse (02-102-0-C)	BM #338 PN 3, Window, Fixed, Heat Treated, 10"x18"x30", 3/8" Thick Glass, Triangular Shaped, Similar to Kearfott K-322-C
Pilothouse Sliding Window, Starboard (1 ea)	Pilothouse (02-102-0-C)	BM #338 PN 6, Window, Sliding, Heat Treated, 24"x30", 3/8" Thick Glass, ¾" IPS Drain Connection, Similar to Kearfott K-322-C
Pilothouse Fixed Window, Port (2 ea)	Pilothouse (02-102-0-C)	BM #338 PN 8, Window, Fixed, Heat Treated, 24"x30", 3/8" Thick Glass, Similar to Kearfott K-325-F
Pilothouse Fixed Window, Port (1 ea)	Pilothouse (02-102-0-C)	BM #338 PN 5, Window, Fixed, Heat Treated, 10"x18"x30", 3/8" Thick Glass, Triangular Shaped, Similar to Kearfott K-322-C
Pilothouse Sliding Window, Port (1 ea)	Pilothouse (02-102-0-C)	BM #338 PN 6, Window, Sliding, Heat Treated, 24"x30", 3/8" Thick Glass, ¾" IPS Drain Connection
Pilothouse Aft Fixed Windows (5 ea)	Pilothouse (02-102-0-C)	BM #338 PN 8, Window, Fixed, Heat Treated, 24"x30", 3/8" Thick Glass, Similar to Kearfott K-325-F
Pilothouse Forward Windshield	Pilothouse (02-102-0-C)	BM #338 PN 1, Windshield w/ wipers, 6 Panel Window - 3 Window Sections with Upper and Lower Panels, Similar to Cornell-Carr Type A CC-1026

2. REFERENCES

COAST GUARD DRAWINGS

Coast Guard Drawing 160-WLIC-3301-1, Rev F, Joiner Plan, Main, Upper Deck & Pilothouse

Coast Guard Drawing 160-WLIC-0103-002, Rev A, Booklet of General Plans

Coast Guard Drawing 160-WLIC-1107-002, Rev D, Pilot House

Coast Guard Drawing 160-WLIC-1202-002, Rev A, Type K-322-C Window & Type K-325-F Fixed Windows

Coast Guard Drawing 160-WLIC-1202-003, Rev A, Six Panel Windshield Type K-1000

COAST GUARD PUBLICATIONS

Surface Forces Logistics Center Standard Specification 0000 (SFLC Std Spec 0000), 2022, General Requirements

Surface Forces Logistics Center Standard Specification 0740 (SFLC Std Spec 0740), 2022, Welding and Allied Processes

Surface Forces Logistics Center Standard Specification 6310 (SFLC Std Spec 6310), 2022, Requirements for Preservation of Ship Structures

Surface Forces Logistics Center Standard Specification 3041 (SFLC Std Spec 3041), 2022, Shipboard Electrical Cable Test

Surface Forces Logistics Center Standard Specification 3042 (SFLC Std Spec 3042), 2022, Shipboard Electrical Cable Removal, Relocation, Splice, Repair, and Installation

OTHER REFERENCES

Coast Guard Bill of Material 160-WLIC-338, Rev -, BM No. 338 Cabin & Pilothouse Windows & Main Deckhouse

3. REQUIREMENTS

3.1 General. The intent of this work item is to replace windows, as indicated on Table 1.

3.1.1 CIR. The Contractor must submit a CIR for the inspections listed in the following paragraph(s):

None.

3.1.2 Tech Rep.

None.

3.1.3 Protective measures. The Contractor must furnish and install all protective measures in accordance with SFLC Std Spec 0000, paragraph 3.3.3 (Vessel component, space, and equipment protection).

3.1.4 Interferences. The Contractor must handle all interferences in accordance with SFLC Std Spec 0000, paragraph 3.3.5 (Interferences). Known interferences include, but are not limited to the following:

- Insulation
- Electrical Cables

- Window Wipers

3.2 Window Replacement. The Contractor must accomplish the following tasks to replace the windows as designated in Table 1. See Coast Guard Drawing 160-WLIC-1107-002 for guidance and details.

3.2.1 Electrical Disconnections. The Contractor must disconnect and coil back electrical cables from wiper assemblies of windows designated in Table 1, in accordance with SFLC Std Spec 3042. Record wiring information for later re-connection.

3.2.2 Window Removal. Remove and discard window pannels. Remove and scrap all seals and fasteners.

3.2.3 Prepare all disturbed areas around the window opening in accordance with SSPC-SP 3. Feather the surrounding surfaces to obtain a 3-inch wide smoothly tapered boundary from the existing paint to the prepared surface.

3.2.4 In the presence of the Coast Guard Inspector, inspect the framing and plating around each opening for corrosion and deterioration. Submit a CFR if additional repairs are required.

3.2.5 Window installation. Install new windows in place of the one removed.

3.2.6 The Contractor must re-connect previously removed cables to window wiper assemblies. Operationally test each affected window wiper assembly in accordance with SFLC Std Spec 3041. Submit a CFR.

3.3 Boundary test, generic. The Contractor must verify the integrity of all boundaries affected by this work item using one of the methods described in SFLC Std Spec 0740, Appendix C. Submit a CFR.

3.4 Touch-up preservation. The Contractor must prepare and coat all new and disturbed surfaces to match existing adjacent surfaces in accordance with SFLC Std Spec 6310, paragraph 3.1.13 (Touch-ups and minor coating repairs.)

3.5 Gas freeing. When entering a tank, compartment, confined space, or conducting hot work, refer to and comply with SFLC Std Spec 0000, General Requirements.

3.6 Welding and brazing. Perform all welding, brazing, and non-destructive testing (NDT) in accordance with SFLC Std Spec 0740, Welding and Allied Processes.

3.7 Electrical work. The Contractor must accomplish all electrical work in accordance with SFLC Std Spec 3042, and test cables in accordance with SFLC Std Spec 3041. Utilize the existing wire ways for new cable runs as much as possible.

3.8 Operational test, post repairs. After completion of work, the Contractor must thoroughly test, in the presence of the Coast Guard Inspector and demonstrate all items or shipboard devices that have been disturbed, used, repaired, altered, or installed to be in satisfactory operating condition. Submit a CFR.

4. NOTES

This section is not applicable to this work item.