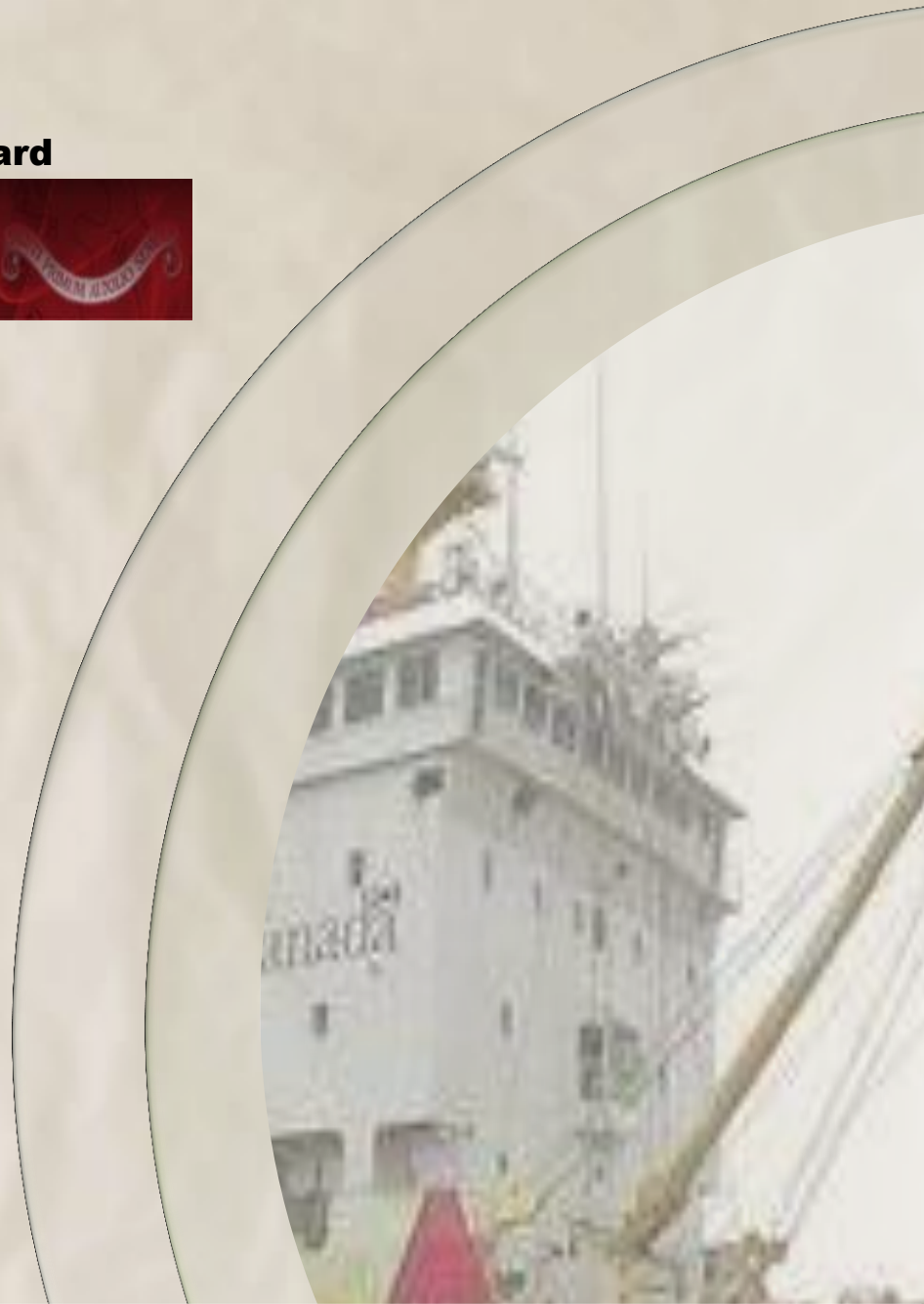


Prepared for:  
**Canadian Coast Guard**



# **CCGS SIR WILFRID LAURIER Asbestos Condition Report**

Prepared By:



**North West  
Environmental Group Ltd.**

#201-415 Gorge Road East  
Victoria B.C.  
V8T 2W1

NWest Project No. 31632  
Date Issued: March 31st, 2017

## **General Notes**

The following is the latest Asbestos Condition Report for this vessel.

North West Environmental Group Ltd. (NWest) conducted an asbestos assessment survey of the Canadian Coast Guard Ship CCGS Sir Wilfrid Laurier on December 20, 22, 23, and 28, 2016. The survey was conducted by NWest technicians Caroline Wylie and Luke Kozlowski and Project Manager Jen Taptuna.

This report is not intended for use as a scope of work for removal or as a specification section for inclusion in Tender Documents. Material identification noted herein is based on visual assessment of the ship and on-site labeling.

This assessment was generally non-destructive. Therefore, some suspect materials were not sampled for asbestos analysis including:

- materials that were in good condition at the time of this assessment (with the exception of deck screed, which the Chief Engineer provided permission to sample),
- concealed materials requiring some demolition to access (with the exception of some bulkheads and deckheads where crew provided access), and
- materials that are part of active equipment/machinery, such as gaskets.

NWest undertook limited destructive testing of deck screed under the supervision of the Chief Engineer. However, minimum sample quantities could not be achieved to meet WorkSafeBC requirements in a manner that would provide representative data.

Suspect materials in good condition were not sampled but their accessibility and condition was noted.

NWest has incorporated the following bulk sample results from previous assessments into this report (see Appendix B):

- NWest project 16162, December, 2011,
- NWest project 28008, January, 2016,
- NWest project 28667, February, 2016,
- NWest project 28403, April, 2016, and
- NWest project 31632, December, 2016.

In any case of uncertainty, all material must be considered to be asbestos-containing until representative samples have been collected and analysed and there is confidence that the asbestos status has been determined.

Manufacturer's letters and datasheets were provided as proof that the following materials do not include asbestos. However, NWest has not undertaken independent testing of these materials to verify asbestos status. Manufacturer's documents are provided in Appendix D:

- epoxy,
- deck screed underneath epoxy,
- anti-sweat paint, and
- anti-skid coating.

Since asbestos has historically been found in a variety of materials aboard this and similar vessels, the following materials must be considered asbestos-containing unless otherwise stated. Note that this list is neither exhaustive nor all-inclusive:

- Gaskets on flanges, valves, fire doors and equipment.
- Insulation inside and around fire doors.
- Inside capstan and transformer insulators.
- Older style round lighting fixtures.
- All concealed pipe insulation, textile wrap and fittings above suspended T-bar and deckhead tiles.
- Insulating wraps and insulation remnants under newer non-asbestos containing pipe insulation.
- Cement board and fibreboard spacers and shims concealed behind suspended deckhead tiles and bulkhead paneling, including behind original plywood marine panels.
- Exterior and interior deck screed, any cement-like deck material. Asbestos-containing remnants may be present under newer layers, other than that under Rada epoxy flooring.
- Anti-skid coating is non-asbestos containing as per manufacture's document, however, remnants may be present beneath newer layers.
- Sheet and tile flooring products concealed beneath carpeting or other flooring layers.
- Baseboard adhesives.
- Coatings and insulation remnants, including mastics, found behind non-asbestos-containing insulation such as mineral fibre.
- Mastic was not observed on insulation pins inspected; pins were welded. Should mastic be exposed, treat as asbestos-containing.
- Electrical conduit and wire insulation.
- Caulkings, including those in penetrations or pass-throughs. Asbestos caulking may be present beneath newer layers or as remnants.
- Penetration insulation/packing/caulking (in particular, older concealed layers)
- Dust and/or debris adjacent to damaged asbestos-containing materials.
- Valve, flange and equipment gaskets.
- Mechanical vibration dampeners.
- Fire doors.

An asbestos risk assessment by a qualified person as defined by Labour Canada and WorkSafeBC must be completed prior to any removal and/or alteration work aboard the vessel. Removal and/or alteration work requires control measures to be implemented in accordance with Labour Canada, WorkSafeBC regulations, and Canadian Coast Guard site-specific requirements.

Protective personal equipment is required during any work or alteration that may disturb synthetic or asbestos insulation and/or dust that may be present. Hazardous materials other than those known or suspected to contain asbestos are not included herein.

The following table summarises the observed and/or tested suspect materials on this vessel. Non-homogeneous materials as noted in the table below, such as anti-sweat paint and deck screed, were sampled at damaged locations only. Additional representative sampling of non-homogeneous materials is required in order to confirm the asbestos status of these materials.

**Note 1:** Other hazardous materials such as lead, crystalline silica, and vitreous fibres may be present and have not been included in this report. These and other hazardous materials must be assessed and removed in accordance with Labour Canada, WorkSafeBC regulations, and Canadian Coast Guard site-specific requirements.



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The following table summarises the confirmed asbestos containing materials identified on the CCGS Sir Wilfrid Laurier.

Table 1: Asbestos Risk Assessment – Observed and/or Tested Materials See Appendix A for description of assessment criteria						
Deck	Compartment	Material	Condition	Friability	Accessibility	Recommendations
Suspect Asbestos Containing Materials						
All	All	Deck screed (intact or remnants) other than that under epoxy flooring	Concealed deck screed – unknown.  Visible deck screed – good condition	Non-friable	Access (D) Concealed requiring demolition/dismantlement of finishing materials	This is a non-homogenous material. Treat as asbestos-containing unless additional testing is conducted prior to disturbance to confirm asbestos status.  Action 7 Monitor in place with routine surveillance.  Deck screed under epoxy flooring does not contain asbestos as per manufacturer's letter.

**Table 1: Asbestos Risk Assessment – Observed and/or Tested Materials**

See Appendix A for description of assessment criteria

Deck	Compartment	Material	Condition	Friability	Accessibility	Recommendations
All	All	Pipe insulation remnants (may be present beneath newer layers of insulation)	Unknown (assumed poor, if present)	Friable	Access (D) Concealed requiring demolition/dismantlement of finishing materials	<p>This is a non-homogenous material. Treat all damage as asbestos-containing unless additional testing is conducted prior to disturbance to confirm asbestos status.</p> <p>Samples were collected at each accessible location inspected. Additional sampling may require destructive testing (e.g. removal of carpet or tiles).</p> <p>Action 7 Monitor in place with routine surveillance.</p>



**Table 1: Asbestos Risk Assessment – Observed and/or Tested Materials**

See Appendix A for description of assessment criteria

Deck	Compartment	Material	Condition	Friability	Accessibility	Recommendations
Boat Deck Upper Deck Main Deck	Officer's Laundry (426) Officer's Pantry (569) Crew's Laundry (619) Galley (664/666)	Ceramic tile grout and levelling compound	Good	Non-friable	A	Destructive testing required to determine asbestos status.  Action 7 Monitor in place with routine surveillance.
Main Deck	Canteen	Floor tiles a) beige with light and dark streaks b) mottled beige	Good	Non-friable	A	Destructive testing required to determine asbestos status.  Action 7 Monitor in place with routine surveillance.

Table 1: Asbestos Risk Assessment – Observed and/or Tested Materials See Appendix A for description of assessment criteria						
Deck	Compartment	Material	Condition	Friability	Accessibility	Recommendations
All	Throughout	Black penetration caulking	Good	Non-friable	A, B	Action 7 Monitor in place with routine surveillance.
Confirmed Asbestos Containing Materials						
All	Throughout	Gaskets	Good – poor	Non-friable	Access (B) Frequently entered maintenance areas within reach of staff	Action 3 Remove damaged gaskets for compliance. Action 7 Gaskets in good condition can be managed in place with routine surveillance.



<b>Table 1: Asbestos Risk Assessment – Observed and/or Tested Materials</b> <b>See Appendix A for description of assessment criteria</b>						
Deck	Compartment	Material	Condition	Friability	Accessibility	Recommendations
Deck Heights	Deck Heights Stacks	Exhaust stack mounting pad	Good	Non-friable	Access (C) Exposed - Areas requiring use of a ladder	Action 7 Manage in place with routine surveillance.
All	Various locations	Electrical water sealant Note: white sealant has been confirmed to contain asbestos, however, due to weather and exposure, the surface appears black. All colours of sealant should be assumed to contain asbestos.	Good	Non-friable	Access (A) Within reach of all facility users without a ladder	Action 5 Proactive removal or Action 7 Manage in place with routine surveillance.


## **1.0 Compartment by Compartment Assessment**




The following section details the observations and testing conducted on this vessel for asbestos-containing materials. See Appendix A for a description of the assessment criteria.

Material conditions may have changed since the site assessment. Hazardous materials other than asbestos may be present. A project-specific risk assessment meeting Labour Canada Regulations, WorkSafeBC Regulations, and Coast Guard-specific requirements must be completed prior to any alteration, renovation, or refit work.



The compartment-by-compartment sections are to be read in conjunction with the general notes.

Wheelhouse Top							Wheelhouse A.C. Unit
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	



Wheelhouse Top							Wheelhouse A.C. Unit
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Bridge Deck							Wheelhouse
Inspection Zone	Insulation	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
	Non-asbestos marine panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos). <ul style="list-style-type: none"> <li>31632-1, 2 Cafco (no asbestos detected).</li> </ul>					






Bridge Deck							Wheelhouse
Inspection Zone	Insulation	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	Metal cladding over calcium silicate.	No asbestos suspected (10 out of 10 samples negative for asbestos). <ul style="list-style-type: none"> <li>31632-3, 4 Calcium silicate pipe insulation (Calsil) (no asbestos detected).</li> </ul>	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.  Deck screed may contain asbestos.	N/A  Exposed – good condition  Concealed – unknown condition	N/A  Non-friable	N/A  C	N/A  7, or additional samples to rule out presence of asbestos.	



Bridge Deck							Wheelhouse
Inspection Zone	Insulation	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Other	Penetration caulking	<ul style="list-style-type: none"> <li>•31632-7 Penetration caulking – yellow (no asbestos detected).</li> </ul> <p>Asbestos containing remnants may be present beneath newer layers</p>	Unknown	Non-friable	Concealed	7	Photo not available.
Comments	N/A						

Bridge Deck							Deck Washroom (102)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.						


Bridge Deck							Deck Washroom (102)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Bridge Deck							Stair Tower
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation. <ul style="list-style-type: none"> <li>28403-17 Cafco debris (no asbestos detected).</li> </ul>	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.						




Bridge Deck							Stair Tower
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Stair tread and carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	
	Resilient sheet flooring over deck screed.	Deck screed may contain asbestos.	Exposed – good condition  Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.						
Comments	N/A						


Bridge Deck							Locker (104)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	






Bridge Deck							Locker (104)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Floor tile 1 (12" x 12" beige with light and dark streaks) over deck screed.	Floor tile 1 may contain asbestos.	Good	Non-friable	A	7	
	Floor tile 2 (12" x 12" beige with white and dark specks) over deck screed.	Floor tile 2 may contain asbestos.	Good	Non-friable	A	7	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Bridge Deck							Crawlspace
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Officer's Deck							Funnel
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal panels over spray-applied fibrous insulation (Cafco-type)	No asbestos suspected in panels.  No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Lagging	Metal cladding over fibrous insulation (Fibreglass-type).	No asbestos suspected in insulation.	N/A	N/A	N/A	N/A	
	High-temperature jacketing.	No asbestos suspected in insulation.	N/A	N/A	N/A	N/A	


Officer's Deck							Funnel
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Anti-skid coating.	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
	Metal cat walk.	Remnants beneath newer layers may contain asbestos.*  No suspect asbestos.	Remnant  N/A	Non-friable  N/A	Concealed  N/A	7  N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	*As per the Chief Engineer, anti-skid coating was replaced since 2009, however, previous testing and clearance documentation was not provided. NWest cannot verify effectiveness of removal of previous applications of anti-skid that may have contained asbestos.						



Officer's Deck							Chief Officer Office (304)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Roxul or Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	


Officer's Deck							Chief Officer Office (304)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Carpet and resilient sheet flooring over deck screed.	No asbestos suspected in carpet, adhesives, or sheet flooring.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.						
Comments	N/A						


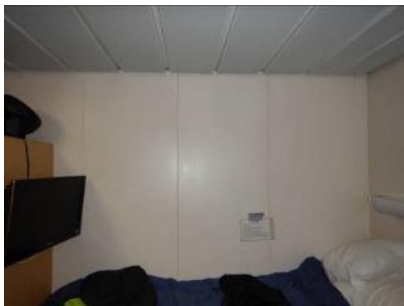
Officer's Deck							Chief Officer Bedroom (306)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	






Officer's Deck							Chief Officer Bedroom (306)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Officer's Deck							Chief Officer Washroom (305)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	

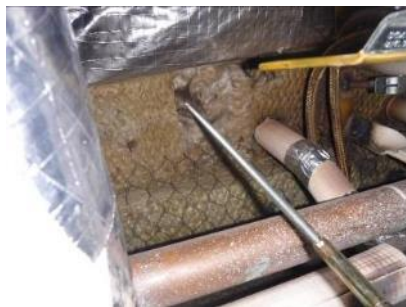
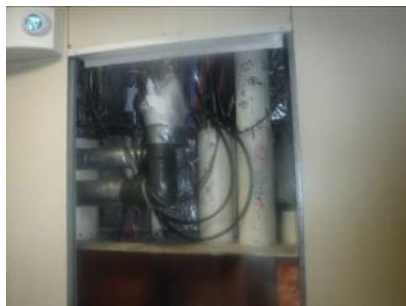

Officer's Deck							Chief Officer Washroom (305)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Officer's Deck							2 <sup>nd</sup> Officer (307)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	

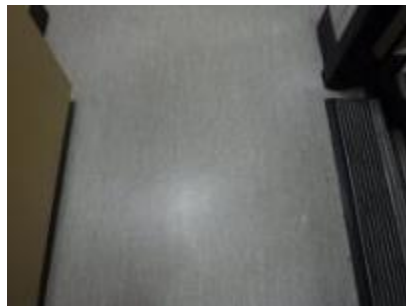
Officer's Deck							2 <sup>nd</sup> Officer (307)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Carpet and over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Officer's Deck							2 <sup>nd</sup> and 3 <sup>rd</sup> Officer Washroom (308)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	



Officer's Deck							2 <sup>nd</sup> and 3 <sup>rd</sup> Officer Washroom (308)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Officer's Deck							Alleyway (Rm 309)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	Paper over fibreglass.	No asbestos suspected in pipe insulation based on: <ul style="list-style-type: none"> <li>• 31632-10: Alleyway bulkhead void – Pipe insulation, paper over fibreglass (no asbestos detected).</li> </ul>	N/A	N/A	N/A	N/A	





Officer's Deck							Alleyway (Rm 309)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.  Deck screed may contain asbestos.	N/A  Exposed – good condition Concealed – unknown condition	N/A  Non-friable	N/A  C	N/A  7, or additional samples to rule out presence of asbestos.	
Other	Penetration Caulking – Red	No asbestos suspected (3 out of 3 samples negative for asbestos).  • 31632-12: Officer's deck stairway – Penetration caulking (red; No asbestos detected).	N/A	N/A	N/A	N/A	Photo not available.


Officer's Deck							Alleyway (Rm 309)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	Penetration Caulking – Grey	No asbestos suspected (3 out of 3 samples negative for asbestos).  • 31632-13: Officer's deck stairway – Penetration caulking (grey; No asbestos detected).	N/A	N/A	N/A	N/A	
	Penetration Caulking – Black	May contain asbestos, additional sample required.  • 31632-14: Officer's deck stairway – Penetration caulking (black; No asbestos detected).	Good	Non-friable	A, B	7	
Comments	N/A						


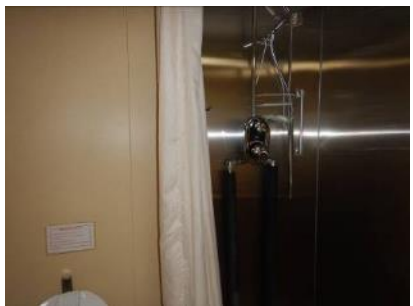
Officer's Deck							Third Officer (Rm 311)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	

Officer's Deck							Third Officer (Rm 311)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Carpet over deck screed.	<p>No asbestos suspected in carpet or adhesives.</p> <ul style="list-style-type: none"> <li>31632-9 Deck screed (no asbestos detected).</li> </ul>	<p>N/A</p> <p>Exposed – good condition Concealed – unknown condition</p>	<p>N/A</p> <p>Non-friable</p>	<p>N/A</p> <p>C</p>	<p>N/A</p> <p>7, or additional samples to rule out presence of asbestos.</p>	
Other	Penetration caulking – Red	<p>No asbestos suspected (3 out of 3 samples negative for asbestos).</p> <ul style="list-style-type: none"> <li>31632-6: Wheelhouse – Penetration caulking (red; No asbestos detected).</li> </ul>	N/A	N/A	N/A	N/A	No photograph available
	Penetration caulking – Yellow	<p>No asbestos suspected (3 out of 3 samples negative for asbestos).</p> <p>31632-8 Third Officer's Cabin – Penetration Caulking (yellow; No asbestos detected)</p>	N/A	N/A	N/A	N/A	
Comments	N/A						

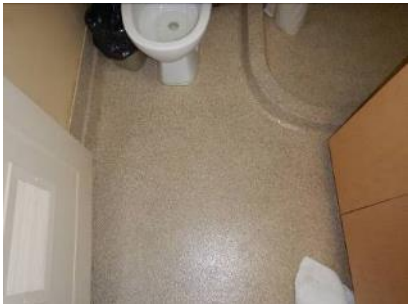
Officer's Deck							Commanding Officer (Work area and bedroom)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	



Officer's Deck							Commanding Officer (Work area and bedroom)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
<b>Bulkhead</b>	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
<b>Lagging</b>	None observed.	N/A	N/A	N/A	N/A	N/A	


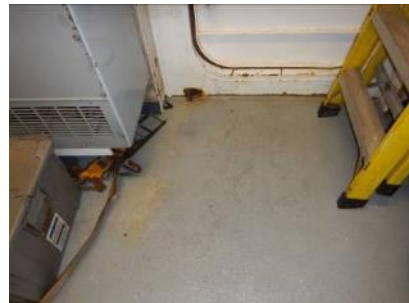
Officer's Deck							Commanding Officer (Work area and bedroom)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Carpet and over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Officer's Deck							Commanding Officer Washroom
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation.	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation.	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	







Officer's Deck							Commanding Officer Washroom
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Officer's Deck							Auxiliary Electrical Room (Rm 316)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	


Officer's Deck							Auxiliary Electrical Room (Rm 316)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	Painted metal.	No asbestos suspected.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Anti-skid coating.	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D).  Remnants beneath newer layers may contain asbestos.	N/A	N/A	N/A	N/A	

Officer's Deck							Auxiliary Electrical Room (Rm 316)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Other	Water sealant - black	Water sealant may contain asbestos	Good	Non-friable	A	7	
Comments	N/A						




Officer's Deck							Auxiliary Supply Fan Room (Rm 317)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	

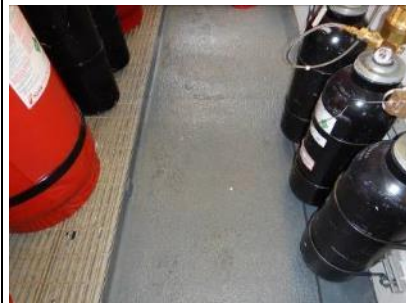
Officer's Deck							Auxiliary Supply Fan Room (Rm 317)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Officer's Deck							Outer Deck
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	


Officer's Deck							Outer Deck
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Anti-skid coating.	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). •28403-16 Anti-skid coating (no asbestos detected). Remnants beneath newer layers may contain asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						








Officer's Deck							FM200 Room (Rm 318)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
	Painted metal	No suspect asbestos.	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
	Painted metal	No suspect asbestos.	N/A	N/A	N/A	N/A	
							



Officer's Deck							FM200 Room (Rm 318)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Anti-skid coating.	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). Remnants beneath newer layers may contain asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Officer's Deck							Alleyway Outside 322
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation.	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation.	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	 

Officer's Deck							Alleyway Outside 322
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.  Deck screed may contain asbestos.	N/A  Exposed – good condition Concealed – unknown condition	N/A  Non-friable	N/A  C	N/A  7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

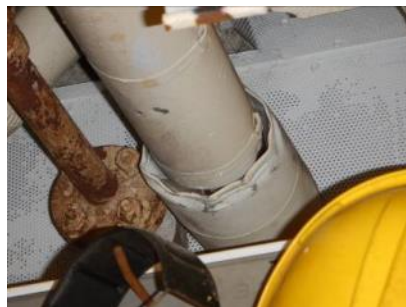

Boat Deck							Helio Workshop (Rm 401)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Anti-sweat paint	Anti-sweat paint (Mascoat) is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Bulkhead	Anti-sweat paint.	Anti-sweat paint (Mascoat) is non-ACM as per manufacturer (see Appendix D). • 28403-12, 13, 14 Anti-sweat paint (no asbestos detected).	N/A	N/A	N/A	N/A	
Lagging	Paper wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected in pipe insulation.	N/A	N/A	N/A	N/A	



Boat Deck							Helio Workshop (Rm 401)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	Metal cladding over calcium silicate insulation.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Other	Gasket	28403-15 Gasket (no asbestos detected), however, untested gaskets must be treated as ACM until tested.	Good-poor	Non-friable	A	Poor: 3  Good: 5 or 7	
	Penetration caulking - white	May contain asbestos.	Good	Non-friable	A	7	
Comments	N/A						


Boat Deck							Foam Room (Rm 406)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Painted Metal	No suspect asbestos.	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	


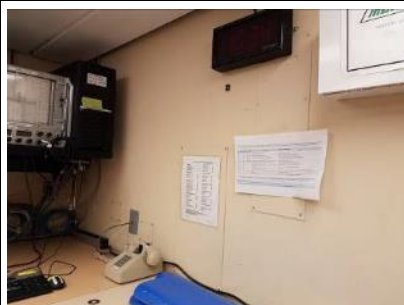
Boat Deck							Foam Room (Rm 406)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	Metal cladding over fibrous insulation (Fibreglass-type).	No suspected asbestos.	N/A	N/A	N/A	N/A	
	High temperature jacketing.	No suspect asbestos.	N/A	N/A	N/A	N/A	






Boat Deck							Foam Room (Rm 406)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	Metal cladding over calcium silicate insulation	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Deck	Anti-skid coating.	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). Remnants beneath newer layers may contain asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Boat Deck							CTD Room (Rm 408)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over spray-applied fibrous insulation (Cafco-type)	No asbestos suspected in panels or Fibreglass insulation.  No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Non-asbestos marine panels over fibrous insulation (Fibreglass-type)	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	



Boat Deck							CTD Room (Rm 408)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Boat Deck							Aft Lab (Rm 409)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Vinyl-covered wood marine panel.	No asbestos suspected in panels.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	

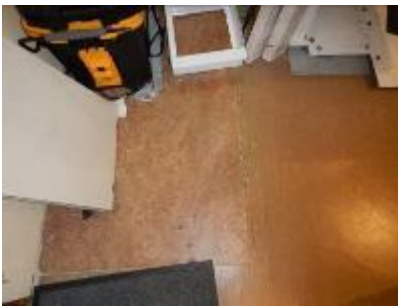
Boat Deck							Aft Lab (Rm 409)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Boat Deck							Alleyway Outside 410
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation.	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	

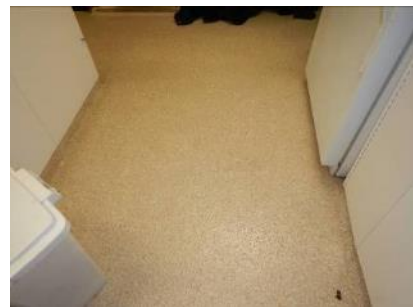
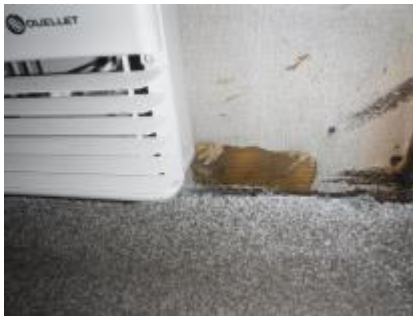
Boat Deck							Alleyway Outside 410
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Boat Deck							Electronic Equipment Room (Rm 410)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation.	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
	Metal cladding over fibrous insulation (Fibreglass-type).	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	None observed.						





Boat Deck				Electronic Equipment Room (Rm 410)			
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in carpet or adhesives.  Deck screed may contain asbestos.	N/A  Exposed – good condition Concealed – unknown condition	N/A  Non-friable	N/A  C	N/A  7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Boat Deck							Forward Lab (Rm 411)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	


Boat Deck							Forward Lab (Rm 411)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	Baseboards	No asbestos suspected (3 out of 3 samples negative for asbestos). • 28403-10 Baseboard adhesive, brown (no asbestos detected)	N/A	N/A	N/A	N/A	
Comments	N/A						

Boat Deck							Helicopter Hangar (Rm 414)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Anti-sweat paint.	Anti-sweat paint (Mascoat) is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
	Painted metal	No asbestos suspected.	N/A	N/A	N/A	N/A	
Bulkhead	Anti-sweat paint	Anti-sweat paint (Mascoat) is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
	Painted metal	No asbestos suspected.	N/A	N/A	N/A	N/A	




Boat Deck							Helicopter Hangar (Rm 414)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Metal cladding over calcium silicate insulation.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Deck	Anti-skid coating	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). Remnants beneath newer layers may contain asbestos.	N/A	N/A	N/A	N/A	
	Painted metal	No asbestos suspected.	N/A	N/A	N/A	N/A	


Boat Deck							Helicopter Hangar (Rm 414)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Boat Deck							Outer Deck
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Painted metal	No asbestos suspected.	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal	No asbestos suspected.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	




Boat Deck							Outer Deck
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Anti-skid coating	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). Remnants beneath newer layers may contain asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						





Boat Deck							Lifesaving Locker (Rm 418 & 419)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Painted metal.	No asbestos suspected.	N/A	N/A	N/A	N/A	
Lagging	Paper wrap over foil-faced fibrous insulation (Fibreglass-type).	No suspect asbestos.	N/A	N/A	N/A	N/A	


Boat Deck							Lifesaving Locker (Rm 418 & 419)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Boat Deck							HVAC Room (Rm 415)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Paper over fibrous insulation (Fibreglass-type).	No suspect asbestos.	N/A	N/A	N/A	N/A	

Boat Deck							HVAC Room (Rm 415)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	Metal cladding over fibrous insulation (Fibreglass-type).	No suspect asbestos.	N/A	N/A	N/A	N/A	 
	Textile wrap over calcium silicate	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Deck	Anti-skid coating.	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). Remnants beneath newer layers may contain asbestos.	N/A	N/A	N/A	N/A	


Boat Deck							HVAC Room (Rm 415)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Boat Deck							Emergency Generator (Rm 416)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos). <ul style="list-style-type: none"> <li>• 31632-11 Cafco (no asbestos detected).</li> <li>• 31632-32 Cafco (no asbestos detected).</li> </ul>	N/A	N/A	N/A	N/A	
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Hi Temp Jacket.	No asbestos suspected.	N/A	N/A	N/A	N/A	

Boat Deck							Emergency Generator (Rm 416)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	Metal cladding over fibrous insulation.	Insulation may contain asbestos (not sampled – found to be in good condition).	N/A	N/A	N/A	N/A	
Deck	Anti-skid coating	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). Remnants beneath newer layers may contain asbestos.	N/A	N/A	N/A	N/A	
	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Boat Deck							Battery Locker (Rm 417)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	







Boat Deck							Battery Locker (Rm 417)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted Metal	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Boat Deck							Officer's Lounge (Rm 422)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Wallpaper-covered bulkhead panels (suspect non-asbestos marine panels based on other observations) over fibrous insulation (Fibreglass-type).	Marine panel may contain asbestos. (no access).	Good		A	7	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet and Resilient sheet flooring over deck screed.	No asbestos suspected in carpet or adhesives. • 31632-15: Carpet adhesive over deck screed (no asbestos)	N/A	N/A	N/A	N/A	



Boat Deck							Officer's Lounge (Rm 422)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		detected).					
		No asbestos suspected in resilient sheet flooring	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	Gasket	29314-4 Black gasket (contains asbestos)	Good	Non-friable	A	5 or 7	Photo not available
Comments	N/A						

Boat Deck							Deck Washroom (Rm 425)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	



Boat Deck							Deck Washroom (Rm 425)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Boat Deck							Officer's Laundry (Rm 426)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Metal panel over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Ceramic tile over deck screed.	Ceramic tile grout and leveling compound may contain asbestos. Destructive sampling required.	Good	Non-friable	A	7	


Boat Deck							Officer's Laundry (Rm 426)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Boat Deck							Derrick Control Room (Rm 427)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos). • 28403-5 Cafco (no asbestos detected).	N/A	N/A	N/A	N/A	
	Painted metal (Forward 2')	No suspect asbestos.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
	Baseboards.	No asbestos suspected (3 out of 3 samples negative for asbestos). • 28403-4 Baseboard adhesive (brown) (no asbestos detected)	Fair	Non-friable	D	7	
	Window assembly caulking	No asbestos was detected in window assembly caulking (black) based on sample results: • 28403-6, 7 & 8 Window Assembly Caulk (black) (no asbestos detected)	N/A	N/A	N/A	N/A	





Boat Deck							Derrick Control Room (Rm 427)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
							
Deck	Epoxy and floor tile (beige) over deck screed.	<p>Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).</p> <ul style="list-style-type: none"> <li>• 28403-3 Floor tile remnant - beige (no asbestos detected)</li> <li>• 28403-9 Deck screed remnant (no asbestos detected)</li> </ul>	Unknown	Non-friable	Concealed	7	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Boat Deck							Rosette Shelter (Rm 428)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Metal Panels	No suspect asbestos.	N/A	N/A	N/A	N/A	
Bulkhead	Painted Metal	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	None observed	N/A	N/A	N/A	N/A	N/A	



Boat Deck							Rosette Shelter (Rm 428)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Anti-skid coating	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). Remnants beneath newer layers may contain asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Boat Deck							Stairs
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed	No asbestos suspected in sheet flooring or adhesives.	N/A	N/A	N/A	N/A	


Boat Deck							Stairs
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Boat Deck							Escape Trunk (Rm 503)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos). • 28403-1 Encapsulated Cafco (no asbestos detected).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal deckhead panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in panels.  No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Gasket	No asbestos detected in fire door gasket based on sample results: • 28403-2 Fire door gasket (no asbestos detected).	N/A	N/A	N/A	N/A	


Boat Deck							Escape Trunk (Rm 503)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	Textile wrap over fibrous insulation	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Deck	Anti-skid coating	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). Remnants beneath newer layers may contain asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Upper Deck							Electronics Technician (Rm 504)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	






Upper Deck							Electronics Technician (Rm 504)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Carpet over deck screed	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Upper Deck							Smoking Lounge (Rm 506)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	



Upper Deck							Smoking Lounge (Rm 506)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Resilient sheet flooring over deck screed	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Electronics Tech Washroom (507)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	


Upper Deck							Electronics Tech Washroom (507)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Upper Deck							Two Passengers (Rm 510)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	


Upper Deck							Two Passengers (Rm 510)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Upper Deck							Two Passengers Washroom (Rm 508)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	






Upper Deck							Two Passengers Washroom (Rm 508)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Upper Deck							Two Passengers Washroom (Rm 511)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	


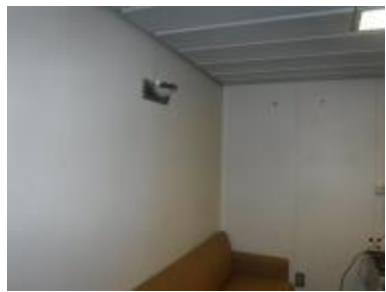

Upper Deck							Two Passengers Washroom (Rm 511)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Flight Engineer (Rm 512)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	

Upper Deck							Flight Engineer (Rm 512)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


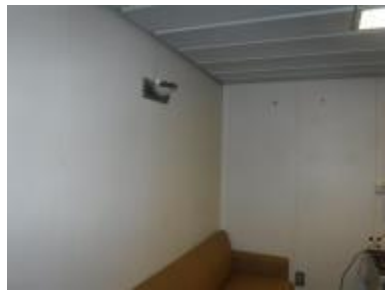

Upper Deck							Flight Engineer Washroom (Rm 513/515)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	

Upper Deck							Flight Engineer Washroom (Rm 513/515)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Upper Deck							Passenger Cabin (Rm 516)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	







Upper Deck							Passenger Cabin (Rm 516)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Helicopter Pilot (Rm 514)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	




Upper Deck							Helicopter Pilot (Rm 514)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Washroom (in 516 & 520) (Rm 517/521)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	

Upper Deck							Washroom (in 516 & 520) (Rm 517/521)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Upper Deck							Ship Office (Rm 518)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
<b>Deckhead</b>	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
<b>Bulkhead</b>	Non-asbestos marine panels (wood) over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
<b>Lagging</b>	None observed.	N/A	N/A	N/A	N/A	N/A	
<b>Deck</b>	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	

Upper Deck							Ship Office (Rm 518)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Upper Deck							Logistics Officer (Rm 520)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	




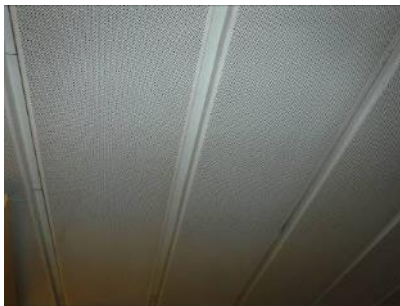


Upper Deck							Logistics Officer (Rm 520)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Electrical Officer (Rm 522)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	



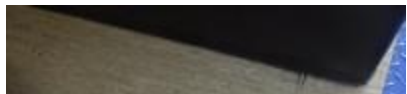
Upper Deck							Electrical Officer (Rm 522)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Washroom (in 522 & 524) (Rm 523/535)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	

Upper Deck							Washroom (in 522 & 524) (Rm 523/535)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


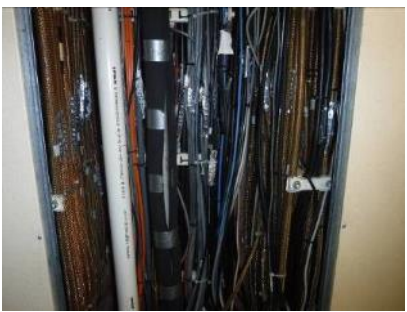
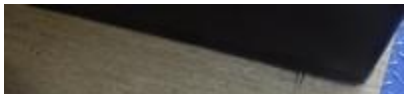
Upper Deck							Medical Officer Cabin (Rm 524)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	

Upper Deck							Medical Officer Cabin (Rm 524)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.  31632-19: Medical Officers Cabin – deck screed (no asbestos detected)	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestis.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Upper Deck							Port Alleyway
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Cafco-type).	No asbestos suspected in panels.  No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.	N/A	N/A	N/A	N/A	





Upper Deck							Port Alleyway
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Upper Deck							Fwd Athwartship Alleyway
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Lagging	Paper wrap over fibrous insulation (Fibreglass-type).	No suspect asbestos.	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.	N/A	N/A	N/A	N/A	




Upper Deck							Fwd Athwartship Alleyway
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestis.	
Other	Penetration caulking – Red.	No asbestos detected. • 31632-16: Fwd Athwartship Alleyway – Penetration caulking (red, no asbestos detected).	N/A	N/A	N/A	N/A	Photo not available.
	Penetration caulking – Grey/Red.	No asbestos detected. • 31632-17: Fwd Athwartship Alleyway – Penetration caulking (Grey/red, no asbestos detected).	N/A	N/A	N/A	N/A	
	Penetration caulking – Black.	No asbestos detected. • 31632-18: Fwd Athwartship Alleyway – Penetration caulking (Black, no asbestos detected).	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Quarter Master (Rm 528)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	Paper over fibrous insulation (Fibreglass-type) (within deckhead void).	No suspect asbestos.	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.	N/A	N/A	N/A	N/A	

Upper Deck							Quarter Master (Rm 528)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestis.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Upper Deck							SAR Locker (Rm 531)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Metal	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	


Upper Deck							SAR Locker (Rm 531)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Upper Deck							Storekeeper (Rm 532)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	




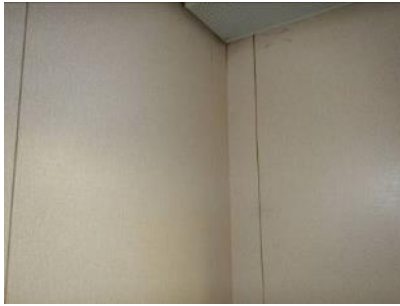

Upper Deck							Storekeeper (Rm 532)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Washroom (Rm 533/536)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	



Upper Deck							Washroom (Rm 533/536)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Boatswain (Rm 535)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	


Upper Deck							Boatswain (Rm 535)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Upper Deck							3 <sup>rd</sup> Engineer's Cabin (Rm 537)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	

Upper Deck							3 <sup>rd</sup> Engineer's Cabin (Rm 537)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Upper Deck							3 <sup>rd</sup> Engineer's Cabin Washroom (Rm 538/542)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	







Upper Deck							3 <sup>rd</sup> Engineer's Cabin Washroom (Rm 538/542)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Two Passengers (Rm 539)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	



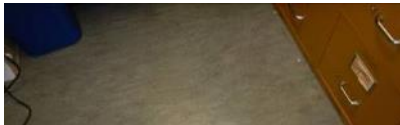
Upper Deck							Two Passengers (Rm 539)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Washroom (in 508 & 510) (Rm 540/509)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	

Upper Deck							Washroom (in 508 & 510) (Rm 540/509)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



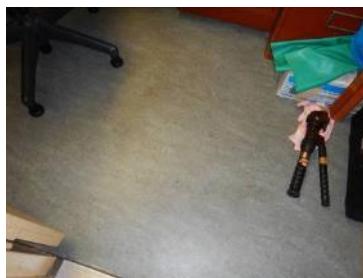
Upper Deck							2 <sup>nd</sup> Engineer's Cabin (Rm 541)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	

Upper Deck							2 <sup>nd</sup> Engineer's Cabin (Rm 541)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Upper Deck							Engineer's Office (Rm 543)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.	N/A	N/A	N/A	N/A	






Upper Deck							Engineer's Office (Rm 543)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Deck Office (Rm 545)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed –	Non-friable	C	7, or additional samples to rule out presence of asbestos.	



Upper Deck							Deck Office (Rm 545)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
			unknown condition				
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Senior Engineer (Rm 546)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.  Deck screed may contain asbestos.	N/A  Exposed – good condition Concealed –	N/A  Non-friable	N/A  C	N/A  7, or additional samples to rule out presence of asbestos.	


Upper Deck							Senior Engineer (Rm 546)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
			unknown condition				
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Upper Deck							Cabin (Rm 547)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	




Upper Deck							Cabin (Rm 547)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Washroom (Rm 548)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	






Upper Deck							Washroom (Rm 548)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Upper Deck							Deck Washroom (Rm 549)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Upper Deck							Chief Engineer – Day Room (Rm 550)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	

Upper Deck				Chief Engineer – Day Room (Rm 550)			
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Chief Engineer – Night Room (Rm 551)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	




Upper Deck				Chief Engineer – Night Room (Rm 551)			
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Chief Engineer Washroom (Rm 552)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	Photo not available.
Lagging	None observed.						
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Upper Deck							Stair Tower (Rm 553)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.	N/A	N/A	N/A	N/A	






Upper Deck							Stair Tower (Rm 553)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Starboard Alleyway
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.	N/A	N/A	N/A	N/A	



Upper Deck							Starboard Alleyway
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Photocopy Room (Rm 556)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.	N/A	N/A	N/A	N/A	


Upper Deck							Photocopy Room (Rm 556)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



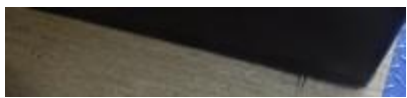
Upper Deck							Sickbay (Rm 557)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).						
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.	N/A	N/A	N/A	N/A	

Upper Deck							Sickbay (Rm 557)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Upper Deck							Washroom (Rm 558)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	





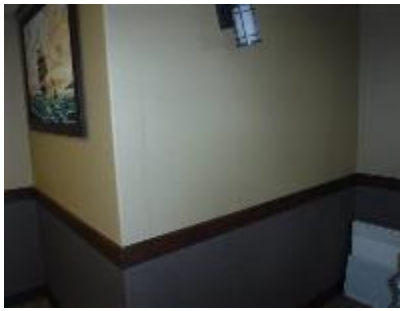

Upper Deck							Washroom (Rm 558)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Upper Deck							Aft Athwartship Alleyway
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	Paper wrap over fibrous insulation (Fibreglass-type).	No suspect asbestos.	N/A	N/A	N/A	N/A	Photograph not available.
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.	N/A	N/A	N/A	N/A	




Upper Deck							Aft Athwartship Alleyway
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestis.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Upper Deck							Washroom (Rm 558/592)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	


Upper Deck							Washroom (Rm 558/592)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



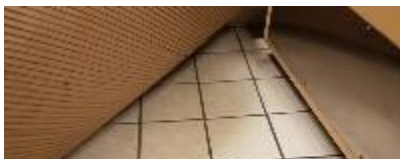
Upper Deck							Officer's Mess (Rm 560)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	Above deckhead: Foil-faced fibrous insulation (Fibreglass-type)	No suspect asbestos.	N/A	N/A	N/A	N/A	

Upper Deck							Officer's Mess (Rm 560)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

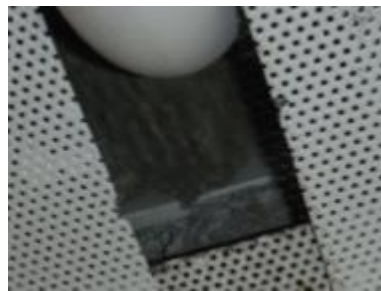


Upper Deck							Linen Locker (Rm 561)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	Paper wrap over fibrous insulation (Fibreglass-type).	No suspect asbestos.	N/A	N/A	N/A	N/A	






Upper Deck							Linen Locker (Rm 561)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Upper Deck							Officer's Pantry (Rm 569)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Ceramic tile over deck screed.	Ceramic tile grout and leveling compound may contain asbestos. Destructive sampling required.	Good	Non-friable	A	7	




Upper Deck							Officer's Pantry (Rm 569)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Main Deck							Miscellaneous Stores Lobby (Gym; 604)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Perforated metal over fibrous insulation (Roxul-type).						
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Painted metal.	No asbestos suspected.	N/A	N/A	N/A	N/A	
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Metal cladding over calcium silicate insulation	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	


Main Deck							Miscellaneous Stores Lobby (Gym; 604)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Anti-skid coating.	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). Remnants beneath newer layers may contain asbestos.	N/A	N/A	N/A	N/A	
	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Main Deck							Cleaning Supplies (Rm 605)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over fibrous insulation	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over fibrous insulation	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	Penetration Caulking - Black	May contain asbestos, additional sample required.	Good	Non-friable	B	7	
Comments	N/A						

Main Deck							SWTD Power Unit Room (Rm 610)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	Photograph not available
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Main Deck							Stairway to Prop Motor Room Flat (Rm 611)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	Text over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	







Main Deck							Stairway to Prop Motor Room Flat (Rm 611)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Main Deck							Two Seaman's Cabin (Rm 612)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	


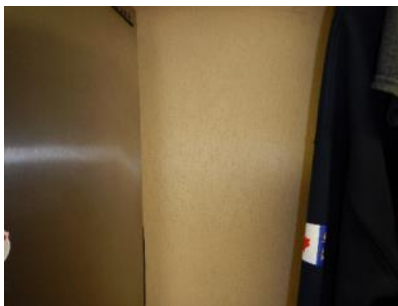

Main Deck							Two Seaman's Cabin (Rm 612)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	Not accessible in 2016						

Main Deck							Two Seaman Washroom (Rm 613)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels.	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	

Main Deck							Two Seaman Washroom (Rm 613)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

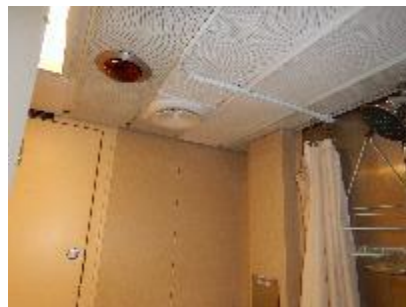

Main Deck							Two Seaman Cabin (Rm 614)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	


Main Deck							Two Seaman Cabin (Rm 614)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Main Deck							Canteen
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Floor tiles a) beige with light and dark streaks and b) mottled beige over deck screed.	Floor tiles may contain asbestos. Destructive sampling required.	Good	Non-friable	A	7	




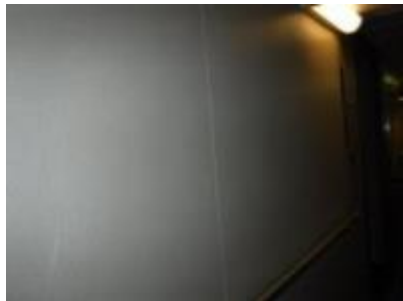

Main Deck							Canteen
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Main Deck							Washroom in 615 & 617 (Rm 616)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).  Metal panel.	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	




Main Deck							Washroom in 615 & 617 (Rm 616)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Main Deck							Two Leading Seaman Cabin (Rm 617)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).  Non-asbestos marine panels over fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	

Main Deck				Two Leading Seaman Cabin (Rm 617)			
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Main Deck							Port Alleyway
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).  Non-asbestos marine panels over fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.	N/A	N/A	N/A	N/A	


Main Deck							Port Alleyway
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	Penetration caulking, debris – Red	No asbestos detected. • 31632-20: Main deck port alleyway electrical spine – Penetration caulking debris (Red, No asbestos detected).	N/A	N/A	N/A	N/A	Photo not available.
	Spray-applied fibrous insulation (Cafco-type) debris.	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).  • 31632-21: Main desk port alleyway electrical spine – Spray-applied fibrous insulation debris (no asbestos detected).	N/A	N/A	N/A	N/A	Photo not available.
Comments	N/A						




Main Deck							Aft Arthwartship Allyway
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).  Non-asbestos marine panels over fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.	N/A	N/A	N/A	N/A	





Main Deck							Aft Arthwartship Allyway
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Main Deck							Crew's Laundry (Rm 619)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).  Plastic over fibrous insulation (Fibreglass-type)	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	



Main Deck							Crew's Laundry (Rm 619)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Ceramic tile over deck screed.	Ceramic tile grout and leveling compound may contain asbestos. Destructive sampling required.	Good	Non-friable	A	7	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Main Deck							Two Seaman (Rm 615)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
	Anti-sweat paint.	Anti-sweat paint (Mascoat) is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	


Main Deck							Two Seaman (Rm 615)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestis.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Main Deck							Two Leading Seaman Washroom (Room 622, in Rm 620)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
	Metal panel.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	


Main Deck							Two Leading Seaman Washroom (Room 622, in Rm 620)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	Inaccessible in 2016.	N/A	N/A	N/A	N/A	N/A	




Main Deck							Linen Locker (Rm 624)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	Photograph not available





Main Deck							Linen Locker (Rm 624)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Main Deck							Deck Locker (Rm 625)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	



Main Deck							Deck Locker (Rm 625)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Main Deck							Winchman Cabin (Rm 626)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	



Main Deck							Winchman Cabin (Rm 626)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestis.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Main Deck							Winchman Washroom (Rm 627/629)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).  Metal panel.	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	



Main Deck							Winchman Washroom (Rm 627/629)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Main Deck							Leading Seaman Cabin (Rm 628)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
	Anti-sweat paint.	Anti-sweat paint (Mascoat) is non-ACM as per manufacturer (see Appendix D). • 31632-22: Leading seaman cabin – anti-sweat paint (No asbestos detected).	N/A	N/A	N/A	N/A	






Main Deck							Leading Seaman Cabin (Rm 628)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	Grey paint on pipe.	No asbestos detected. <ul style="list-style-type: none"> <li>• 31632-24: Leading seaman's cabin – Grey paint on pipe (No asbestos detected).</li> <li>• 31632-25 White pipe coating (no asbestos detected).</li> </ul>	N/A	N/A	N/A	N/A	
	White coating on pipe.	May contain asbestos (as pipe insulation remnant).	Good	Friable	C	7	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.  Deck screed may contain asbestos.	N/A  Exposed – good condition Concealed – unknown condition	N/A  Non-friable	N/A  C	N/A  7, or additional samples to rule out presence of asbestos.	
Deck	Floor tile 12" x 12" black.	No asbestos detected. <ul style="list-style-type: none"> <li>• 31632-26: Lead seaman's cabin – Floor tile (no asbestos detected).</li> </ul>	N/A	N/A	N/A	N/A	Photo not available.
Other	None observed.	N/A	N/A	N/A	N/A	N/A	



Main Deck							Leading Seaman Cabin (Rm 628)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Comments	N/A						


Main Deck							Dry Provisions Store Room (Rm 636)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in panels.  No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.  Metal cladding and non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No suspect asbestos.  No asbestos suspected based on sample results:	N/A	N/A	N/A	N/A	
Lagging	None observed.						

Main Deck							Dry Provisions Store Room (Rm 636)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Main Deck							Refrigerated Store Rooms (631/632/634/633)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Plastic insulating sheets.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Bulkhead	Plastic insulating sheets.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	


Main Deck							Refrigerated Store Rooms (631/632/634/633)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

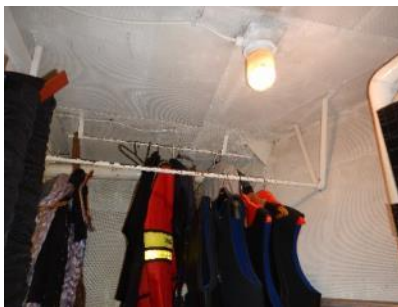

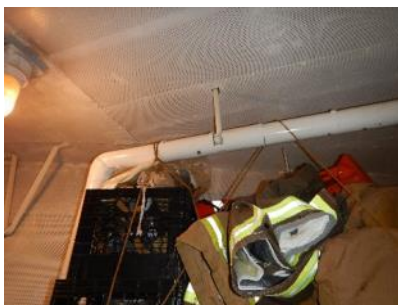
Main Deck							Fuel Bunker Station (Rm 668)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	


Main Deck							Fuel Bunker Station (Rm 668)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Anti-skid coating.	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). Remnants beneath newer layers may contain asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						






Main Deck							Port Deck Entrance
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in panels.  No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	




Main Deck							Port Deck Entrance
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Main Deck							Deck Spares (603)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Lagging	Metal cladding over calcium silicate.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	

Main Deck							Deck Spares (603)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Main Deck							Stores Locker (601)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Lagging	Metal cladding over calcium silicate.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	Photograph not available


Main Deck							Stores Locker (601)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	Inaccessible in 2016.						




Main Deck							Wire Leads Compartment (Rm 639)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos). <ul style="list-style-type: none"><li>• 28008-2 Insulation (no asbestos detected).</li></ul>	N/A	N/A	N/A	N/A	
	Painted metal.		N/A	N/A	N/A	N/A	
Lagging	Metal cladding over calcium silicate insulation.	No asbestos suspected (10 out of 10 samples negative for asbestos). <ul style="list-style-type: none"><li>• 28403-24 Pipe insulation, calcium silicate (no asbestos detected)</li></ul>	N/A	N/A	N/A	N/A	
Lagging	Textile wrap over foam	No asbestos suspected	N/A	N/A	N/A	N/A	



Main Deck							Wire Leads Compartment (Rm 639)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	insulation.	(5 out of 5 samples negative for asbestos). <ul style="list-style-type: none"><li>28403-23 Pipe insulation – textile only (no asbestos detected).</li></ul>					
Deck	Anti-skid coating.	Anti-skid coating (Intershiield 6GV) is non-ACM as per manufacturer (see Appendix D). Remnants beneath newer layers may contain asbestos.	N/A	N/A	N/A	N/A	
Other	Water Sealant	No asbestos detected in water sealant based on sample results: <ul style="list-style-type: none"><li>28403-25 Water Sealant (no asbestos detected)</li></ul>					
Comments	N/A						






Main Deck							Foscle Dock (Rm 639)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	N/A	N/A	N/A	N/A	N/A	N/A	
Bulkhead	N/A	N/A	N/A	N/A	N/A	N/A	
Lagging	Textile wrap over foam insulation.  High temperature jacketing.	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	



Main Deck							Foscle Dock (Rm 639)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Wood.  Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Main Deck							Steering Gear Compartment (Rm 640)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos). <ul style="list-style-type: none"><li>28667-1, 2, 3 Cafco (no asbestos detected).</li></ul>	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).  Painted metal.	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).  Metal cladding over calcium silicate insulation.	No asbestos suspected (5 out of 5 samples negative for asbestos).  No asbestos suspected (10 out of 10 samples negative for asbestos). <ul style="list-style-type: none"><li>28403-26 Calsil pipe insulation</li></ul>	N/A	N/A	N/A	N/A	

Main Deck							Steering Gear Compartment (Rm 640)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	Hi-temperature jacket.	(no asbestos detected).					
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	



Main Deck						Steering Gear Compartment (Rm 640)	
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Comments	N/A						

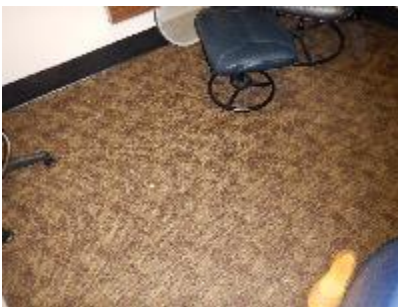
Main Deck							Stores Handling Compartment (Rm 641)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
<b>Deckhead</b>	Perforated metal over spray-applied fibrous insulation (Cafco-type).  Painted metal.	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
<b>Bulkhead</b>	Perforated metal over spray-applied fibrous insulation (Cafco-type).  Painted metal.	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
<b>Lagging</b>	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	



Main Deck							Stores Handling Compartment (Rm 641)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	High temperature jacketing	No suspect asbestos	N/A	N/A	N/A	N/A	
	Metal cladding over calcium silicate insulation.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
	Anti-skid coating.	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). However, remnants beneath newer layers May contain asbestos.	N/A	N/A	N/A	N/A	
Other	None observed	N/A	N/A	N/A	N/A	N/A	
Comments							

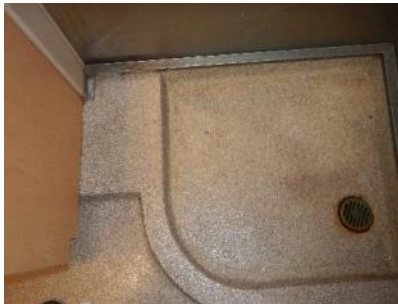






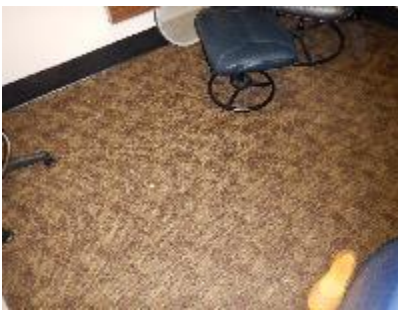
Main Deck							Two Stewards Cabin (Rm 642)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	



Main Deck							Two Stewards Cabin (Rm 642)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Main Deck							Two Stewards Cabin Washroom (Rm 643)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
	Perforated metal over fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	

Main Deck							Two Stewards Cabin Washroom (Rm 643)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Main Deck							Two Stewards Cabin (Rm 644)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	Paper wrap over fibrous insulation (Fibreglass-type).  Plastic wrap over fibrous insulation (Fibreglass-type).	No suspect asbestos.	N/A	N/A	N/A	N/A	Photograph not available

Main Deck							Two Stewards Cabin (Rm 644)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Main Deck							Bond Locker (Rm 646)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	


Main Deck							Bond Locker (Rm 646)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


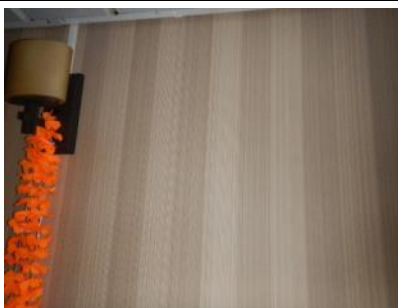



Main Deck							Two Oilers Cabin (Rm 647)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	




Main Deck							Two Oilers Cabin (Rm 647)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Main Deck							Washroom in Rooms 643, 644 (Rm 648/645)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	

Main Deck							Washroom in Rooms 643, 644 (Rm 648/645)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Main Deck							Crew's Lounge (Room 649/614)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Resilient sheet flooring over deck screed.	No asbestos suspected in sheet flooring or adhesives.  Deck screed may contain asbestos.	N/A  Exposed – good condition Concealed	N/A  Non-friable	N/A  C	N/A  7, or additional samples to rule out	


Main Deck							Crew's Lounge (Room 649/614)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
			– unknown condition			presence of asbestis.	
	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.					
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestis.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Main Deck							Two Oilers Cabin (Rm 650)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	

Main Deck							Two Oilers Cabin (Rm 650)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						






Main Deck							Washroom in Rooms 650,632 (Rm 651/653)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	




Main Deck							Washroom in Rooms 650,632 (Rm 651/653)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Main Deck							Two Oilers Cabin (Rm 652)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	

Main Deck							Two Oilers Cabin (Rm 652)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


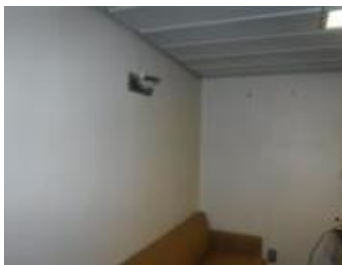

Main Deck							Stairs to Engine Room Flat (Rm 654)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over foil-faced fibrous insulation (Roxul-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	



Main Deck							Stairs to Engine Room Flat (Rm 654)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Main Deck							Paint Store
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos). <ul style="list-style-type: none"><li>28403-19 Cafco (no asbestos detected).</li></ul>	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Lagging	Textile over fibrous insulation (Fibreglass-type)	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	




Main Deck							Paint Store
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Anti-skid coating.	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). However, remnants beneath newer layers May contain asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						





Main Deck							Second Cook Clerk (Rm 655)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	


Main Deck							Washroom in Rooms 655, 657 (Rm 656/658)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).  Metal panel.	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	



Main Deck							Washroom in Rooms 655, 657 (Rm 656/658)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Main Deck							Chief Cook (Rm 657)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal deckhead panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Non-asbestos marine panels over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Carpet over deck screed.	No asbestos suspected in carpet or adhesives.	N/A	N/A	N/A	N/A	


Main Deck							Chief Cook (Rm 657)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestis.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Main Deck							Deck Washroom (Rm 659)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
<b>Deckhead</b>	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
<b>Bulkhead</b>	Non-asbestos Vinyl-covered marine panels over fibrous insulation (Fibreglass-type).  Painted metal.	No asbestos suspected in panels or insulation.  No suspect asbestos.	N/A	N/A	N/A	N/A	
<b>Lagging</b>	None observed.	N/A	N/A	N/A	N/A	N/A	



Main Deck							Deck Washroom (Rm 659)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Main Deck							Crew's Mess (Rm 661 & 663)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
<b>Deckhead</b>	Perforated metal deckhead panels over foil-faced fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
<b>Bulkhead</b>	Wallpaper over non-asbestos Vinyl-covered marine panels over fibrous insulation (Fibreglass-type).  Painted metal.	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
<b>Lagging</b>	None observed.	N/A	N/A	N/A	N/A	N/A	






Main Deck							Crew's Mess (Rm 661 & 663)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Epoxy over deck screed.	Epoxy (Rada) is non-ACM as per manufacturer. Deck screed (Polyspec) underneath Rada is non-ACM as per manufacturer (see Appendix D).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Main Deck							Galley (Rm 664/666)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Plastic over Fibreglass	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	
Bulkhead	Metal Panel over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels or insulation.	N/A	N/A	N/A	N/A	


Main Deck							Galley (Rm 664/666)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Deck	Ceramic tile over deck screed	Ceramic tile grout and leveling compound may contain asbestos. Destructive sampling required.	Good	Non-friable	A	7	
		Deck screed may contain asbestos.	Exposed – good condition Concealed – unknown condition	Non-friable	C	7, or additional samples to rule out presence of asbestos.	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Main Deck							Stairs to Engine Room
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	Photograph not available
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	Photograph not available
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Main Deck							Starboard Fueling Station (Rm 668)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	


Main Deck							Starboard Fueling Station (Rm 668)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Main Deck							CO2 – PM 200 Room (Rm 669)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	Photograph not available
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Paper wrap over fibrous insulation (Fibreglass-type).	<ul style="list-style-type: none"> <li>28403-18 Textile over Fibreglass (no asbestos detected).</li> </ul> <p>No suspect asbestos.</p>	N/A	N/A	N/A	N/A	



Main Deck							CO2 – PM 200 Room (Rm 669)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Anti-skid coating.	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). However, remnants beneath newer layers May contain asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						





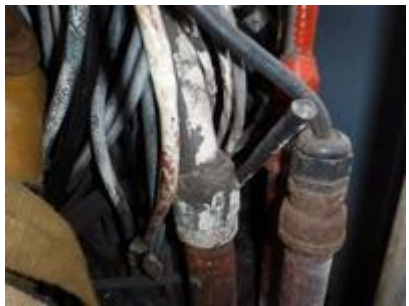
Main Deck							Focsle Electrical Compartment (Room 671)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	




Main Deck							Focsle Electrical Compartment (Room 671)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Metal cladding over calcium silicate insulation.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Deck	Anti-skid coating.	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). Remnants beneath newer layers may contain asbestos.	N/A	N/A	N/A	N/A	Photograph not available
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Main Deck							Bosun's & Rope Store (Rm 672)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Textile over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	

Main Deck							Bosun's & Rope Store (Rm 672)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	Metal cladding over calcium silicate.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Deck	Anti-skid coating.	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). • 28403-21: Anti-skid coating (No asbestos detected). However, remnants beneath newer layers May contain asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Main Deck							Focsle Deck
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	N/A	N/A	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	Photograph not available
Lagging	Paper wrap over calcium silicate	No asbestos suspected (10 out of 10 samples negative for asbestos). • 28403-20 Pipe insulation – Calsil (no asbestos detected).	N/A	N/A	N/A	N/A	Photograph not available




Main Deck							Focsle Deck
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Wood  Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	Water Sealant	Asbestos detected in water sealant based on sample results: • 28403-22 Water Sealant, white (contains asbestos).	Fair	Non-friable	Access (A) Accessible	Action 7: Monitor in place with routine surveillance.	 Surfaces of sealant has blackened.
Comments	N/A						


Main Deck							Engine Room Casing (Rm 673)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos). <ul style="list-style-type: none"><li>• 28403-29 Cafco (no asbestos detected).</li></ul>	N/A	N/A	N/A	N/A	
Lagging	Textile wrap over insulation (likely Fibreglass).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	

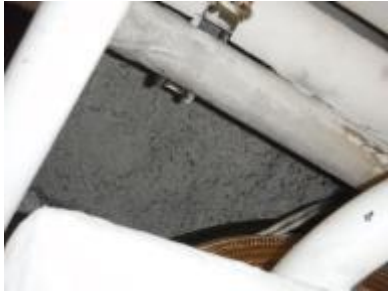

Main Deck							Engine Room Casing (Rm 673)
	Paper wrap over fibrous insulation (Fibreglass-type).	No suspect asbestos.	N/A	N/A	N/A	N/A	
	Metal cladding over calcium silicate insulation.	No asbestos suspected (10 out of 10 samples negative for asbestos). • 28403-27, 28 Calsil pipe insulation (no asbestos detected).	N/A	N/A	N/A	N/A	
	High temperature jacketing.	No suspect asbestos.	N/A	N/A	N/A	N/A	






Main Deck							Engine Room Casing (Rm 673)
Deck	Anti-skid coating	Anti-skid coating (Intershiel 6GV) is non-ACM as per manufacturer (see Appendix D). • 28403-36: Anti-skid coating (No asbestos detected). However, remnants beneath newer layers May contain asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Lower Deck							Central Stores (Rm 701)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	


Lower Deck							Central Stores (Rm 701)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	Metal cladding over calcium silicate insulation.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Deck	Anti-skid coating.	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D). However, remnants beneath newer layers May contain asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Lower Deck							Upper Engine Room Flat (Rm 702)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
<b>Deckhead</b>	Metal panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
<b>Bulkhead</b>	Metal panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Painted metal.  Perforated metal over spray-applied fibrous insulation (Cafco-type).	No suspect asbestos.  No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A  N/A	N/A  N/A	N/A  N/A	N/A  N/A	



Lower Deck							Upper Engine Room Flat (Rm 702)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	Metal cladding over calcium silicate insulation.	No asbestos suspected (10 out of 10 samples negative for asbestos). <ul style="list-style-type: none"><li>28403-30: Pipe insulation – Calsil (no asbestos detected).</li></ul>	N/A	N/A	N/A	N/A	
	High temperature jacketing.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	


Lower Deck				Upper Engine Room Flat (Rm 702)			
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	Photograph not available
Other	Heating, Ventilation, and Air Conditioning (HVAC) system – Textile over Fibreglass	No suspect asbestos.	N/A	N/A	N/A	N/A	
	Uptakes – Metal cladding over calcium silicate insulation (assumed) and high temperature jacketing	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Lower Deck							Tank Room
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Metal panels over spray-applied fibrous insulation	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	Photograph not available
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	Photograph not available
Lagging	High temperature jacketing.	No suspect asbestos	N/A	N/A	N/A	N/A	Photograph not available
	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	Photograph not available
Lagging	Metal cladding over calcium silicate insulation.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	Photograph not available
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	Photograph not available
Other	Heating, Ventilation, and Air Conditioning (HVAC) system – Textile over Fibreglass	No suspect asbestos.	N/A	N/A	N/A	N/A	
	High temperature jacketing	No suspect asbestos	N/A	N/A	N/A	N/A	
	Uptakes – Metal cladding over calcium silicate insulation.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	


Lower Deck							Tank Room
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
							
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						








Lower Deck							Stairs to Main Deck
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Metal panels over spray-applied fibrous insulation (Cafco-type).	<ul style="list-style-type: none"> <li>No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).</li> </ul>	N/A	N/A	N/A	N/A	
Bulkhead	Metal panels over spray-applied fibrous insulation (Cafco-type).	<ul style="list-style-type: none"> <li>No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).</li> </ul>	N/A	N/A	N/A	N/A	
	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	


Lower Deck							Stairs to Main Deck
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Lower Deck							Fuel Gauge Room
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Metal panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Metal panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	Photograph not available.

Lower Deck							Fuel Gauge Room
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Lower Deck							Propulsion Room (Rm 702)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Metal panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	  
	Perforated metal over fibrous insulation (Fibreglass-type).	No asbestos suspected in panels.	N/A	N/A	N/A	N/A	


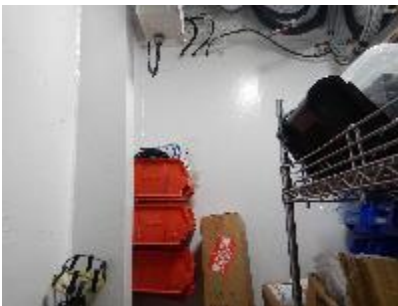
Lower Deck							Propulsion Room (Rm 702)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Bulkhead	Perforated metal over foil-faced fibrous insulation (Roxul-type).	No suspect asbestos.	N/A	N/A	N/A	N/A	
	Painted metal.						
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Paper wrap over fibrous insulation (Fibreglass-type).	No suspect asbestos.	N/A	N/A	N/A	N/A	


Lower Deck							Propulsion Room (Rm 702)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



Lower Deck							Winch Compartment (Rm 703)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos). • 31632-30 Cafco (no asbestos detected).	N/A	N/A	N/A	N/A	
	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	Metal cladding over calcium silicate insulation.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	








Lower Deck							Winch Compartment (Rm 703)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	Hi-temperature jacket.	N/A	N/A	N/A	N/A	N/A	
Deck	Painted metal. Checker plate metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Lower Deck							Electrical Store Room (Rm 705)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).  Painted metal.	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	



Lower Deck							Electrical Store Room (Rm 705)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Lower Deck							Transformer Room (Rm 707)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Metal panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Metal panels over spray-applied fibrous insulation (Cafco-type).  Painted metal.	No suspect asbestos.					


Lower Deck							Tranformer Room (Rm 707)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Textile wrap over calcium silicate.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Deck	Checker plate metal	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Lower Deck							Machinery Control Room (Upper) (Rm 708)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Lagging	None observed.	N/A	N/A	N/A	N/A	N/A	
Deck	Anti-skid coating	Anti-skid coating (Intershield 6GV) is non-ACM as per manufacturer (see Appendix D).  • 28403-32:Anti-skid coating (No asbestos detected).	N/A	N/A	N/A	N/A	



Lower Deck							Machinery Control Room (Upper) (Rm 708)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
		However, remnants beneath newer layers May contain asbestos.					
	Floor Tile (12" x 12" Brown with white streaks.	No asbestos detected in Floor Tile (12" x 12" Brown with white streaks: •28403-31: Floor tile 12" x 12" brown with white streaks (No asbestos detected).	N/A	N/A	N/A	N/A	
Other	Baseboard	No asbestos suspected (3 out of 3 samples negative for asbestos): • 28403-33 Baseboard Adhesive (brown) (no asbestos detected)	N/A	N/A	N/A	N/A	
Comments	N/A						



Lower Deck							Engine Room (Lower)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
	Perforated metal over fibrous insulation (Fibreglass-type).	No asbestos detected based on samples: • 28008-1 Foil-faced Fibreglass insulation (no asbestos detected).	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
	Perforated metal over fibrous insulation (Fibreglass-type).  Perforated metal over foil-faced fibrous insulation (Roxul-type).						
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).  • 28403-34 Pipe insulation – textile and cementitious elbow (no asbestos detected)	N/A	N/A	N/A	N/A	






Lower Deck							Engine Room (Lower)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	Hi-temperature jacket.	No suspect asbestos.	N/A	N/A	N/A	N/A	
	Alco SEI Blanket.	<ul style="list-style-type: none"> <li>31632-35 Alco SEI Blanket (no asbestos detected).</li> </ul>	N/A	N/A	N/A	N/A	
	Main exhaust stack blanket.	<ul style="list-style-type: none"> <li>31632-27 Exhaust stack mount (0.5% chrysotile asbestos).</li> <li>31632-36 Main exhaust stack blanket (no asbestos detected).</li> </ul>	N/A	N/A	N/A	N/A	
	Metal cladding over calcium silicate insulation.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Textile wrap over calcium silicate.						
	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	



Lower Deck							Engine Room (Lower)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	Hi-temperature jacket.	No suspected asbestos.	N/A	N/A	N/A	N/A	
Deck	Checker plate metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Deck							
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Lower Deck							Engineer's Workshop (Rm 710)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos). • 31632-31 Cafco (no asbestos detected).	N/A	N/A	N/A	N/A	

Lower Deck							Engineer's Workshop (Rm 710)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	Painted metal.		N/A	N/A	N/A	N/A	
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

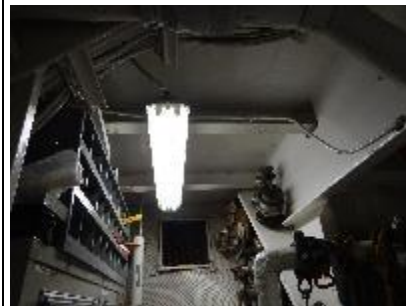

Lower Deck							Electrical Workshop (Rm 711)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Metal panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Bulkhead	Metal panels over spray-applied fibrous insulation (Cafco-type).	No asbestos suspected in Cafco (14 out of 14 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Lagging	Metal cladding over calcium silicate insulation.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	



Lower Deck							Electrical Workshop (Rm 711)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						




Lower Deck							Vent Trunk (in Transformer Room) (Rm 712)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Bulkhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	Photograph not available
Lagging	Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	


Lower Deck							Vent Trunk (in Transformer Room) (Rm 712)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						







Tank Top							Sewage Compartment (Rm 801)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over fibrous insulation (Fibreglass-type).  Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
	Textile over fibrous insulation (Fibreglass-type).	No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	
	Hi-temperature jacket.	No suspect asbestos.	N/A	N/A	N/A	N/A	




Tank Top							Sewage Compartment (Rm 801)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Lagging	Metal cladding over calcium silicate insulation.	No asbestos suspected (10 out of 10 samples negative for asbestos).	N/A	N/A	N/A	N/A	
Deck	Checker plate metal	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						


Tank Top							Propulsion Motor Room (Rm 802)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
<b>Deckhead</b>	Perforated metal over fibrous insulation (Fibreglass-type).  Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
<b>Bulkhead</b>	Perforated metal over fibrous insulation (Fibreglass-type).  Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
<b>Lagging</b>	Metal cladding over calcium silicate insulation.  Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (10 out of 10 samples negative for asbestos). • 31632-11, 33, 34 Calsil pipe insulation (no asbestos detected).  No asbestos suspected (5 out of 5 samples negative	N/A	N/A	N/A	N/A	

Tank Top							Propulsion Motor Room (Rm 802)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	Hi-temperature jacket.	for asbestos). No suspect asbestos.					
Deck	Checker plate metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Tank Top							Converter Room (Rm 803)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deckhead	Painted metal.	No suspect asbestos.  • 28403-35 Cafco (no asbestos detected).	N/A	N/A	N/A	N/A	
Bulkhead	Perforated metal over fibrous insulation (Fibreglass-type).  Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Lagging	Metal cladding over calcium silicate insulation.  Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (10 out of 10 samples negative for asbestos).  No asbestos suspected (5 out of 5 samples negative for asbestos).	N/A	N/A	N/A	N/A	

Tank Top							Converter Room (Rm 803)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
Deck	Checker plate metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						

Tank Top							Purifier Room (Rm 804)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
<b>Deckhead</b>	Perforated metal over fibrous insulation (Fibreglass-type).	No suspect asbestos.	N/A	N/A	N/A	N/A	
<b>Bulkhead</b>	Perforated metal over fibrous insulation (Fibreglass-type).  Painted metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
<b>Lagging</b>	Metal cladding over calcium silicate insulation.  Textile wrap over fibrous insulation (Fibreglass-type).	No asbestos suspected (10 out of 10 samples negative for asbestos).  No asbestos suspected (5 out of 5 samples negative for asbestos).  No suspect asbestos.	N/A	N/A	N/A	N/A	

Tank Top							Purifier Room (Rm 804)
Inspection Zone	Material	Hazardous Content	Condition	Friability	Accessibility	Recommended Action	Picture
	Hi-temperature jacket.						
Deck	Checker plate metal.	No suspect asbestos.	N/A	N/A	N/A	N/A	
Other	None observed.	N/A	N/A	N/A	N/A	N/A	
Comments	N/A						



## Appendices

## Appendix A: Evaluation of Asbestos Containing Materials (ACMs)

Evaluation of asbestos containing materials is based on the condition of the material and its accessibility. Following are the guidelines used to evaluate ACMs and the action, if any, required to safely manage them.

### Spray Applied Fireproofing, Insulation and Texture Finishes

In evaluating the condition of ACM spray applied as fireproofing, thermal insulation or texture, decorative or acoustic finishes, the following criteria apply:

<b>GOOD</b>	Surface of material shows no significant signs of damage, deterioration or delamination. Up to one percent visible damage to surface is allowed within range of GOOD. Evaluation of sprayed fireproofing requires the assessor to be familiar with the irregular surface texture typical of sprayed asbestos products. GOOD condition includes un-encapsulated or unpainted fireproofing or texture finishes, where no delamination or damage is observed, and encapsulated fireproofing or texture finishes where the encapsulation has been applied after the damage or fallout occurred.
<b>POOR</b>	Sprayed materials show signs of damage, delamination or deterioration. More than one percent damage to surface of ACM spray.

### Mechanical Insulation

In evaluating the condition of mechanical insulation (on boilers, breeching, ductwork, piping, tanks, equipment etc.) the following criteria are used:

<b>GOOD</b>	Insulation is completely covered in jacketing and exhibits no evidence of damage or deterioration. No insulation is exposed. Includes conditions where the jacketing has minor surface damage (i.e., scuffs or stains), but the jacketing is not penetrated.
<b>FAIR</b>	Minor penetration damage to jacketed insulation (cuts, tears, nicks, deterioration or delamination) or undamaged insulation that has never been jacketed. Insulation is exposed but not showing surface disintegration. The extent of missing insulation ranges should be minor to none.
<b>POOR</b>	Original insulation jacket is missing, damaged, deteriorated or delaminated. Insulation is exposed and significant areas have been dislodged. Damage cannot be readily repaired.

### Non-Friable and Potentially Friable Materials

Non-friable materials generally have little potential to release airborne fibres, even when damaged by mechanical breakage. However, some non-friable materials, i.e., exterior asbestos Concrete products, may have deteriorated so that the binder no longer effectively contains the

asbestos fibres. In such cases of significantly deteriorated non-friable material, the material will be treated as a friable product.

#### Accessibility

The accessibility of building materials known or suspected of being ACM is rated according to the following criteria:

<b>Access (A)</b>	Areas of the building within reach (from floor level) of all building users. Includes areas such as gymnasiums, workshops, and storage areas where activities of the building users may result in disturbance of ACM not normally within reach from floor level.
<b>Access (B)</b>	Frequently entered maintenance areas within reach of maintenance staff, without need for a ladder. Includes: frequently entered pipe chases, tunnels and service areas or areas within reach from a fixed ladder or catwalk, i.e., tops of equipment, mezzanines.
<b>Access (C) Exposed</b>	Areas of the building above 8'0" where use of a ladder is required to reach the ACM. Only refers to ACM materials that are exposed to view, from the floor or ladder, without removing or opening other building components such as ceiling tiles, or service access doors or hatches. Does not include infrequently accessed service areas of the building.
<b>Access (C) Concealed</b>	Areas of the building which require removal of a building component including lay-in ceilings and access panels into solid ceiling systems. Includes rarely entered crawl spaces, attic spaces etc. Observations are limited to the extent visible from the access points.
<b>Access (D)</b>	Areas of the building behind inaccessible solid ceiling systems, walls, or mechanical equipment, etc., where demolition or the ceiling, wall or equipment etc., is required to reach the ACM. Evaluation of condition and extent of ACM is limited or impossible, depending on the assessor's ability to visually examine the materials in Access D.

### Action Matrix

The Action Matrix determines what, if any, action is required to safely manage ACMs:

	Condition			
Access	Good	Fair	Poor	Debris
(A)	ACTION 5/7	ACTION 5/6	ACTION 3	ACTION 1
(B)	ACTION 7	ACTION 6/5	ACTION 3	ACTION 1
(C) Exposed	ACTION 7	ACTION 6	ACTION 4	ACTION 2
(C) Concealed	ACTION 7	ACTION 7	ACTION 4	ACTION 2
(D)	ACTION 7	ACTION 7	ACTION 7	ACTION 7

## Action Table

Following is a description of the action required to manage ACMs, based on the outcome of the evaluation:

<b>Action 1</b>	<b>Immediate Clean Up of Debris That is Likely to be Disturbed</b> Restrict access that is likely to cause a disturbance of the ACM DEBRIS and clean up ACM DEBRIS immediately. Utilize correct asbestos procedures. This action is required for compliance with regulatory requirements.
<b>Action 2</b>	<b>Entry Into Areas with ACM Debris</b> At locations where ACM DEBRIS can be isolated in lieu of removal or clean up, use appropriate means to limit entry to the area. Restrict access to the area to persons utilizing Type 2 asbestos-work precautions. The precautions will be required until the ACM DEBRIS has been cleaned up, and the source of the DEBRIS has been stabilized or removed.
<b>Action 3</b>	<b>ACM Removal Required for Compliance</b> Remove ACM for compliance with regulatory requirements. Utilize asbestos procedures appropriate to the scope of the removal work.
<b>Action 4</b>	<b>Access into Areas Where ACM is Present and Likely to be Disturbed by Access</b> Use asbestos precautions when entry or access into an area likely to disturb the ACM. ACTION 4 must be used until the ACM is removed (Use ACTION 1 or 2 if DEBRIS is present).
<b>Action 5</b>	<b>Proactive ACM Removal</b> Remove ACM in lieu of repair, or at locations where the presence of asbestos in GOOD condition is not desirable.
<b>Action 6</b>	<b>ACM Repair</b> Repair ACM found in FAIR condition, and not likely to be damaged again or disturbed by normal use of the area or room. Upon completion of the repair work, treat ACM as material in GOOD condition and implement ACTION 7. If ACM is likely to be damaged or disturbed during normal use of the area or room, implement ACTION 5.
<b>Action 7</b>	<b>Routine Surveillance</b> Institute routine surveillance of the ACM. Trained workers or contractors must use appropriate asbestos precaution during disturbance of the remaining ACM.

## **Appendix B: Analytical Results**

## Bulk Sample Report

201 - 415 Gorge Road East  
Victoria, BC V8T 2W1

Tel: (250) 384-9695  
Fax: (250) 384-9865  
e-mail: northwest@nwest.bc.ca

### Asbestos Analysis of Bulk Materials using Polarized Light Microscopy

**Client:** Canadian Coast Guard - Sidney

**Date:** March 31, 2017

**Contractor:** Canadian Coast Guard - Sidney

**Client Job or PO#:** F1782-160700

**Project:** CCGS Sir Wilfrid Laurier Asbestos Mgt Inventory

**Project number:** 31632

Sample No	Location	Date Analysed	Analyst	Client Description	Phase	%	Asbestos	%	Other Materials	%	Comments
31632-1b	Wheelhouse Aft Starboard Side	Dec-22-2016	PG	Spray-applied mineral fibre insulation	White	100	None Detected	0	Glass (60%) Non-Fibrous (40%)	100	
31632-2b	Wheelhouse Aft Port Side	Dec-22-2016	PG	Spray-applied mineral fibre insulation	White	100	None Detected	0	Glass (60%) Non-Fibrous (40%)	100	
31632-3b	Wheelhouse Stair Landing Bulkhead Void	Dec-22-2016	PG	Pipe Insulation - (Calsil)	Off White	100	None Detected	0	Glass (5%) Non-Fibrous (95%)	100	
31632-4b	Wheelhouse Stair Landing Bulkhead Void	Dec-22-2016	PG	Pipe Insulation - (Calsil)	Off White	100	None Detected	0	Cellulose (30%) Non-Fibrous (70%)	100	
31632-5b	Wheelhouse Stair Landing Bulkhead Void	Dec-22-2016	PG	Penetration Caulking Grey	Grey	100	None Detected	0	Non-Fibrous	100	
31632-6b	Wheelhouse Stair Landing Bulkhead Void	Dec-22-2016	PG	Penetration Insulation Red	Red	100	None Detected	0	Non-Fibrous	100	
31632-7b	Wheelhouse Stair Landing Bulkhead Void	Dec-22-2016	PG	Penetration Caulking Yellow	Grey/Yellow	100	None Detected	0	Non-Fibrous	100	
31632-8b	Room 311 3rd Officers Cabin Bulkhead Void	Dec-22-2016	PG	Penetration Caulking Red	Red	100	None Detected	0	Synthetic (10%) Non-Fibrous (90%)	100	
31632-9b	Room 311 3rd officers cabin	Dec-22-2016	PG	Deck Screed	Grey	100	None Detected	0	Synthetic (0.5%) Glass (0.5%) Non-Fibrous (99%)	100	
31632-10b Layer 1	Room 309 Alleyway Bulkhead Void	Dec-22-2016	PG	Pipe Insulation - paper over fibreglass	Pipe Wrap - Silver/Off White	40	None Detected	0	Cellulose (55%) Glass (10%) Non-Fibrous (35%)	100	
31632-10b Layer 2	Room 309 Alleyway Bulkhead Void	Dec-22-2016	PG	Pipe Insulation - paper over fibreglass	Insulation - Yellow	60	None Detected	0	Glass	100	
31632-11b	Bow Thruster Compartment	Dec-22-2016	PG	Pipe Insulation	White	100	None Detected	0	Cellulose (25%) Non-Fibrous (75%)	100	

Note: Samples were analyzed by method: EPA/600/R-93/116" Bulk Asbestos Analysis by Polarized Light Microscopy". For heterogeneous materials the concentration may vary. No reproduction without permission.

Sample No	Location	Date Analysed	Analyst	Client Description	Phase	%	Asbestos	%	Other Materials	%	Comments
31632-12b	Officer's Deck Stairway Landing Bulkhead Void	Dec-22-2016	PG	Penetration Caulking Red	Red	100	None Detected	0	Glass (3%) Non-Fibrous (97%)	100	
31632-13b	Officer's Deck Stairway Landing Bulkhead Void	Dec-23-2016	PG	Penetration Caulking Grey	Grey	100	None Detected	0	Non-Fibrous	100	
31632-14b	Officer's Deck Stairway Landing Bulkhead Void	Dec-23-2016	PG	Penetration Caulking Black	Black	100	None Detected	0	Non-Fibrous	100	
31632-15b Layer 1	Officer's Lounge	Dec-23-2016	PG	Carpet Adhesive over deck screed	Adhesive - Yellow	15	None Detected	0	Non-Fibrous	100	
31632-15b Layer 2	Officer's Lounge	Dec-23-2016	PG	Carpet Adhesive over deck screed	Deck Screed - Grey	85	None Detected	0	Synthetic (0.5%) Glass (0.5%) Non-Fibrous (99%)	100	
31632-16b	Upper Deck Fwd Athwartship Alleyway	Dec-23-2016	PG	Penetration Caulking Red	Red	100	None Detected	0	Synthetic (10%) Non-Fibrous (90%)	100	
31632-17b	Upper Deck Fwd Athwartship Alleyway	Dec-23-2016	PG	Penetration Caulking Grey	Grey/Red	100	None Detected	0	Glass (3%) Non-Fibrous (97%)	100	
31632-18b	Upper Deck Fws Athwartship Alleyway	Dec-23-2016	PG	Penetration Caulking Black	Black	100	None Detected	0	Non-Fibrous	100	
31632-19b	Medical Officers Cabin	Dec-23-2016	PG	Deck Screed	Grey	100	None Detected	0	Synthetic (0.5%) Non-Fibrous (99.5%)	100	
31632-20b	Main Deck Port Alleyway Electrical Spine	Dec-23-2016	PG	Penetration Caulking Debris Red	Red	100	None Detected	0	Synthetic (10%) Non-Fibrous (90%)	100	
31632-21b	Main deck port alleyway electrical spine	Dec-23-2016	PG	Spray-applied mineral fibre insulation Debris	Off White	100	None Detected	0	Glass (90%) Non-Fibrous (10%)	100	
31632-22b	Leading seaman cabin window	Dec-23-2016	PG	Grey paint	Grey	100	None Detected	0	Non-Fibrous	100	
31632-23b	leading seaman cabin window room 628	Dec-23-2016	PG	Grey Paint	Grey	100	None Detected	0	Non-Fibrous	100	
31632-24b	Leading Seamans Cabin above NAMP Deckhead	Dec-23-2016	PG	Grey Paint on Pipe	Grey	100	None Detected	0	Non-Fibrous	100	
31632-25b	Leading Seaman's Cabin above namp deckhead			White Pipe coating	N/A	0	None Detected	0	None Detected	0	*Insufficient Sample Size
31632-26b Layer 1	Lead Seaman's Cabin	Dec-23-2016	PG	Floor Tile	Floor Tile - White	99	None Detected	0	Non-Fibrous	100	
31632-26b Layer 2	Lead Seaman's Cabin	Dec-23-2016	PG	Floor Tile	Mastic - Black	1	None Detected	0	Non-Fibrous	100	
31632-27b	Deck Height - Stacks	Dec-23-2016	PG	Exhaust Stack Mounting Pad	Tan	100	Chrysotile	0.5	Cellulose (15%) Glass (15%) Non-Fibrous (69.5%)	99.5	
31632-30b	Winch Room Aft Port	Dec-23-2016	PG	Spray-applied mineral fibre insulation	Off White	100	None Detected	0	Glass (60%) Non-Fibrous (40%)	100	

Note: Samples were analyzed by method: EPA/600/R-93/116" Bulk Asbestos Analysis by Polarized Light Microscopy". For heterogenous materials the concentration may vary. No reproduction without permission.



Sample No	Location	Date Analysed	Analyst	Client Description	Phase	%	Asbestos	%	Other Materials	%	Comments
31632-31b	Workshop	Dec-23-2016	PG	Spray-applied mineral fibre insulation	Off White	100	None Detected	0	Glass (60%) Non-Fibrous (40%)	100	
31632-32b	Auxillary Generator Room	Dec-23-2016	PG	Spray-applied mineral fibre insulation Encapsulate	Off White	100	None Detected	0	Glass (60%) Non-Fibrous (40%)	100	
31632-33b	Bow Thruster Compartment	Dec-23-2016	PG	Pipe Insulation	White	100	None Detected	0	Cellulose (25%) Non-Fibrous (75%)	100	
31632-34b	Bow Thruster Compartment	Dec-23-2016	PG	Pipe Insulation	White	100	None Detected	0	Cellulose (25%) Non-Fibrous (75%)	100	
31632-35b	Engine Room	Jan-04-2017	PG	Alco SEI Blanket	White	100	None Detected	0	Glass	100	
31632-36b	Engine Room	Jan-04-2017	PG	Main Exhaust Stack Blanket	White	100	None Detected	0	Glass	100	

Note: Samples were analyzed by method: EPA/600/R-93/116" Bulk Asbestos Analysis by Polarized Light Microscopy". For heterogenous materials the concentration may vary. No reproduction without permission.



LAB# 202314

## Bulk Sample Report

201 - 415 Gorge Road East  
Victoria, BC V8T 2W1

Tel: (250) 384-9695  
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### Asbestos Analysis of Bulk Materials using Polarized Light Microscopy

**Client:** Canadian Coast Guard - Victoria  
**Contractor:** Canadian Coast Guard - Victoria  
**Project:** Sir Wilfred Laurier bulk samples

**Date:** February 06, 2017  
**Client Job or PO#:** Training 4/24/16  
**Project number:** 29314

Sample No	Location	Date Analysed	Analyst	Client Description	Phase	%	Asbestos	%	Other Materials	%	Comments
29314-1b	Officer's Lounge Deck Haul	Apr-26-2016	LR	Transit sealing material	Red	100	None Detected	0	Synthetic (5%) Non-Fibrous (95%)	100	
29314-2b	Officer's Lounge	Apr-26-2016	LR	Windless Break	Brown	100	None Detected	0	Glass (40%) Cellulose (2%) Non-Fibrous (58%)	100	
29314-3b	Officer's Lounge	Apr-26-2016	LR	Gasket - C4401	Green	100	None Detected	0	Synthetic (40%) Glass (10%) Non-Fibrous (50%)	100	
29314-4b	Officer's Lounge	Apr-26-2016	LR	Gasket - Asbestos	Black	100	<b>Chrysotile</b>	<b>50</b>	Non-Fibrous	50	
29314-5b	Officer's Lounge	Apr-26-2016	LR	Gasket - Thermoseal Klimersil C4461	Green	100	None Detected	0	Synthetic (30%) Glass (10%) Non-Fibrous (60%)	100	
29314-6b	Officer's Lounge	Apr-26-2016	LR	Gasket - Thermoseal Klimersil C4408	Grey	100	None Detected	0	Synthetic (30%) Glass (2%) Non-Fibrous (68%)	100	
29314-7b	Officer's Lounge	Apr-26-2016	LR	Gasket - Thermoseal Klimersil C4433	Red	100	None Detected	0	Synthetic (30%) Glass (5%) Non-Fibrous (65%)	100	
29314-8b	Officer's Lounge	Apr-26-2016	LR	Gasket - Garlak Leak Gard 87	Red	100	None Detected	0	Synthetic (45%) Non-Fibrous (55%)	100	
29314-9b	Officer's Lounge	Apr-26-2016	LR	Gasket - Garlak Leak Gard	Red	100	None Detected	0	Synthetic (45%) Non-Fibrous (55%)	100	
29314-10b	Officer's Lounge	Apr-26-2016	LR	Pipe Insulation - Ducting puddy	Grey	100	None Detected	0	Cellulose (2%) Non-Fibrous (98%)	100	

Note: Samples were analyzed by method: EPA/600/R-93/116" Bulk Asbestos Analysis by Polarized Light Microscopy". For heterogenous materials the concentration may vary. No reproduction without permission.

## Bulk Sample Report

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### Asbestos Analysis of Bulk Materials using Polarized Light Microscopy

**Client:** Canadian Coast Guard - Sidney

**Date:** May 31, 2016

**Contractor:** Canadian Coast Guard - Sidney

**Client Job or PO#:** F1782-160646

**Project:** CCGS Sir Wilfrid Laurier Asbestos Mgt Inventory

**Project number:** 28403

Sample No	Location	Date Analysed	Analyst	Client Description	Phase	%	Asbestos	%	Other Materials	%
28403-1	Upper Deck - 503 Escape Trunk	Apr-14-2016	BATTA	SAMFI w/ Encapsulant	SAMFI w/ Encapsulant - White	100	None Detected	0	Non-Fibrous (40%) Mineral Fibre (60%)	100
28403-2	Upper Deck - 503 Escape Trunk	Apr-14-2016	BATTA	Fire Door Gasket	Fire Door Gasket	100	None Detected	0	Glass	100
28403-3	Boat Deck - 427 Derrick Control Room	Apr-14-2016	BATTA	Floor Tile Remnant - Beige	Floor Tile Remnant - Beige	100	None Detected	0	Non-Fibrous	100
28403-4	Boat Deck - 427 Derrick Control Room	Apr-14-2016	BATTA	Baseboard Adhesive - Brown	Baseboard Adhesive - Brown	100	None Detected	0	Non-Fibrous	100
28403-5	Boat Deck - 427 Derrick Control Room Deck Head	Apr-14-2016	BATTA	SAMFI	SAMFI - White	100	None Detected	0	Non-Fibrous (40%) Mineral Fibre (60%)	100
28403-6	Boat Deck - 427 Derrick Control Room	Apr-14-2016	BATTA	Window Assembly Caulk - Black	Caulk - Black	100	None Detected	0	Non-Fibrous	100
28403-7	Boat Deck - 427 Derrick Control Room	Apr-14-2016	BATTA	Window Assembly Caulk - Black	Caulk - Black	100	None Detected	0	Non-Fibrous	100
28403-8	Boat Deck - 427 Derrick Control Room	Apr-14-2016	BATTA	Window Assembly Caulk - Black	Caulk - Black	100	None Detected	0	Non-Fibrous	100
28403-9	Boat Deck - 427 Derrick Control Room	Apr-14-2016	BATTA	Deck Screed Remnant	Deck Screed Remnant - Grey	100	None Detected	0	Non-Fibrous	100
28403-10	Boat Deck - 411 Forward Lab	Apr-14-2016	BATTA	Baseboard Adhesive - Brown	Baseboard Adhesive - Brown	100	None Detected	0	Non-Fibrous	100
28403-11	Boat Deck - 416 - Emergency Generator Room	Apr-14-2016	BATTA	SAMFI w/ Encapsulant	SAMFI w/ Encapsulant - White	100	None Detected	0	Non-Fibrous (40%) Mineral Fibre (60%)	100
28403-12	Boat Deck - Helio Workshop	Apr-14-2016	BATTA	Anti-Sweat Paint	Anti-Sweat Paint - White	100	None Detected	0	Non-Fibrous	100
28403-13	Boat Deck - Helio Workshop	Apr-14-2016	BATTA	Anti-Sweat Paint	Anti-Sweat Paint - White	100	None Detected	0	Non-Fibrous	100

Note: Samples were analyzed by method: EPA/600/R-93/116" Bulk Asbestos Analysis by Polarized Light Microscopy". For heterogenous materials the concentration may vary. No reproduction without permission.

Sample No	Location	Date Analysed	Analyst	Client Description	Phase	%	Asbestos	%	Other Materials	%
28403-14	Boat Deck - Helio Workshop	Apr-14-2016	BATTA	Anti-Sweat Paint	Anti-Sweat Paint - White	100	None Detected	0	Non-Fibrous	100
28403-15	Boat Deck - Helio Workshop	Apr-14-2016	BATTA	Gasket - Red	Gasket = Red	100	None Detected	0	Non-Fibrous	100
28403-16	Officers Deck - Outer Deck	Apr-14-2016	BATTA	Anti-Skid Coating	Anti-Skid Coating - Brown	100	None Detected	0	Non-Fibrous	100
28403-17	Wheelhouse Stairwell Deck Head Void	Apr-14-2016	BATTA	SAMFI Debris	SAMFI Debris - White/Brown	100	None Detected	0	Non-Fibrous (40%) Mineral Fibre (60%)	100
28403-18	Main Deck - 669 CO2/PM200 Room	Apr-18-2016	BATTA	Pipe Insulation - Fibre-glass with Textile covering	Yellow White	100	None Detected	0	Fibrous (Other) (60%) Mineral Fibre (40%)	100
28403-19	Main Deck - Paint Store	Apr-18-2016	BATTA	SAMFI	White	100	None Detected	0	Mineral Fibre (85%) Non-Fibrous (15%)	100
28403-20	Main Deck - Foc'sle	Apr-18-2016	BATTA	Pipe Insulation - Calsil with Paper Covering	White	100	None Detected	0	Cellulose (25%) Non-Fibrous (75%)	100
28403-21	Main Deck - Bosons & Rope Store	Apr-18-2016	BATTA	Anti-Skid Coating	Grey	100	None Detected	0	Non-Fibrous	100
28403-22	Main Deck - Foc'sle	Apr-18-2016	BATTA	Water Sealant	White	100	Chrysotile	10	Non-Fibrous	90
28403-23	Main Deck - 639 Wire Leads Compartment	Apr-18-2016	BATTA	Pipe Insulation - Textile Only	White	100	None Detected	0	Fibrous (Other) (10%) Non-Fibrous (90%)	100
28403-24	Main Deck - 639 Wire Leads Compartment	Apr-18-2016	BATTA	Pipe Insulation - Calsil	White	100	None Detected	0	Cellulose (25%) Non-Fibrous (75%)	100
28403-25	Main Deck - 639 Wire Leads Compartment	Apr-18-2016	BATTA	Water Sealant	White	100	None Detected	0	Non-Fibrous	100
28403-26	Main Deck - 640 Steering Gear Compartment	Apr-18-2016	BATTA	Pipe Insulation - Calsil	White	100	None Detected	0	Cellulose (25%) Non-Fibrous (75%)	100
28403-27	Main Deck - 673 Engine Room Casing	Apr-18-2016	BATTA	Pipe Insulation - Calsil	White	100	None Detected	0	Synthetic (25%) Non-Fibrous (75%)	100
28403-28	Main Deck - 673 Engine Room Casing	Apr-18-2016	BATTA	Pipe Insulation - Calsil	White	100	None Detected	0	Cellulose (25%) Non-Fibrous (75%)	100
28403-29	Main Deck - 673 Engine Room Casing	Apr-18-2016	BATTA	SAMFI	White	100	None Detected	0	Mineral Fibre (85%) Non-Fibrous (15%)	100
28403-30	E. R. Flat - 702 Engine Room Flat	Apr-18-2016	BATTA	Pipe Insulation - Calsil	White	100	None Detected	0	Synthetic (25%) Non-Fibrous (75%)	100
28403-31	E. R. Flat - 708 Machinery Control Room	Apr-18-2016	BATTA	Floor Tile - 24"x24" Brown with White Streaks	Brown	100	None Detected	0	Non-Fibrous	100
28403-32	E. R. Flat - 708 Machinery Control Room	Apr-18-2016	BATTA	Anti-Skid Flooring	Brown	100	None Detected	0	Non-Fibrous	100
28403-33	E. R. Flat - 708 Machinery Control Room	Apr-18-2016	BATTA	Baseboard Adhesive - Brown	Brown	100	None Detected	0	Non-Fibrous	100
28403-34	Tank Top - Lower Engine Room	Apr-18-2016	BATTA	Pipe Elbow- Textile & Cementitious Material	White	100	None Detected	0	Fibrous (Other) (90%) Non-Fibrous (10%)	100

Note: Samples were analyzed by method: EPA/600/R-93/116" Bulk Asbestos Analysis by Polarized Light Microscopy". For heterogenous materials the concentration may vary. No reproduction without permission.

Sample No	Location	Date Analysed	Analyst	Client Description	Phase	%	Asbestos	%	Other Materials	%
28403-35	Tank Top - Cycloconverter Room Cable Tray	Apr-18-2016	BATTA	SAMFI Remnant	White	100	None Detected	0	Mineral Fibre (85%) Non-Fibrous (15%)	100
28403-36	E. R. Flat - 706 Stairs to Main Deck	Apr-18-2016	BATTA	Anti-Skid Coating	Blue	100	None Detected	0	Non-Fibrous	100

Note: Samples were analyzed by method: EPA/600/R-93/116" Bulk Asbestos Analysis by Polarized Light Microscopy". For heterogenous materials the concentration may vary. No reproduction without permission.



## Bulk Sample Report

Unit 210 - 2950 Douglas Street  
Victoria, B.C. V8T 4N4

Tel: 250-384-9695  
Fax: 250-384-9865  
e-mail: northwest@nwest.bc.ca

### Asbestos Analysis of Bulk Materials using Polarized Light Microscopy

**Client:** Canadian Coast Guard - Sidney  
**Contractor:** Canadian Coast Guard - Sidney  
**Project:** CCGS Sir Wilfrid Laurier - Bulk Samples - RUSH

**Date:** February 29, 2016  
**Client Job or PO#:** F1782-150565  
**Project number:** 28667

Sample No	Location	Date Analysed	Analyst	Description	Phase	%	Asbestos	%	Other Materials	%
28667-1	Steering Gear Compartment Deckhead	Feb-29-2016	LR	Insulation	Off White	100	None Detected	0	Glass (90%) Non-Fibrous (10%)	100
28667-2	Steering Gear Compartment Deckhead	Feb-29-2016	LR	Insulation	Off White	100	None Detected	0	Glass (90%) Non-Fibrous (10%)	100
28667-3	Steering Gear Compartment Deckhead	Feb-29-2016	LR	Insulation	Off White	100	None Detected	0	Glass (90%) Non-Fibrous (10%)	100

Note: Samples were analyzed by method: EPA/600/R-93/116" Bulk Asbestos Analysis by Polarized Light Microscopy". For heterogenous materials the concentration may vary. No reproduction without permission.



## Bulk Sample Report

Unit 210 - 2950 Douglas Street  
Victoria, B.C. V8T 4N4

Tel: 250-384-9695  
Fax: 250-384-9865  
e-mail: northwest@nwest.bc.ca

### Asbestos Analysis of Bulk Materials using Polarized Light Microscopy

**Client:** Canadian Coast Guard - Sidney  
**Contractor:** Canadian Coast Guard - Sidney  
**Project:** CCGS Sir Wilfrid Laurier ACM and budget tour

**Date:** January 12, 2016  
**Client Job or PO#:** F1782-150558  
**Project number:** 28008

Sample No	Location	Date Analysed	Analyst	Description	Phase	%	Asbestos	%	Other Materials	%
28008-1 Layer 1	E.R Flat - Port Side - Behind Metal Plate	Jan-12-2016	LR	Foiled Faced Fibreglass Insulation	Pipe Wrap - Brown/Silver	20	None Detected	0	Cellulose (75%) Glass (15%) Non-Fibrous (10%)	100
28008-1 Layer 2	E.R Flat - Port Side - Behind Metal Plate	Jan-12-2016	LR	Foiled Faced Fibreglass Insulation	Insulation - Pink	80	None Detected	0	Glass (98%) Non-Fibrous (2%)	100
28008-2	Main Deck - Centre - Room 639 - Behind Metal Plate	Jan-12-2016	LR	Insulation	White	100	None Detected	0	Glass (75%) Non-Fibrous (25%)	100

Note: Samples were analyzed by method: EPA/600/R-93/116" Bulk Asbestos Analysis by Polarized Light Microscopy". For heterogenous materials the concentration may vary. No reproduction without permission.



## Bulk Sample Report

201 - 415 Gorge Road East  
Victoria, BC V8T 2W1

Tel: (250) 384-9695  
Fax: (250) 384-9865  
e-mail: northwest@nwest.bc.ca

### Asbestos Analysis of Bulk Materials using Polarized Light Microscopy

**Client:** Seaspan Victoria Shipyards

**Contractor:** Seaspan Victoria Shipyards

**Project:** Sir Wilfred Laurier, 11071-300-010, 2@3hr

**Date:** February 06, 2017

**Client Job or PO#:** 568716-02

**Project number:** 16162

Sample No	Location	Date Analysed	Analyst	Client Description	Phase	%	Asbestos	%	Other Materials	%	Comments
16162-1b	Unspecified Area	Dec-05-2011	SD	Gasket	Black Fibrous Gasket	100	Chrysotile	30	Non-Fibrous	70	
16162-2b	Unspecified Area	Dec-05-2011	SD	Gasket	Red/Brown Fibrous Gasket	100	Chrysotile	80	Non-Fibrous	20	

Note: Samples were analyzed by method: EPA/600/R-93/116" Bulk Asbestos Analysis by Polarized Light Microscopy". For heterogenous materials the concentration may vary. No reproduction without permission.



LAB# 202314

1/1



## **Appendix C: Sample Locations**

LEGEND

SAMFI

Spray Applied Mineral Fibre Insulation

PI

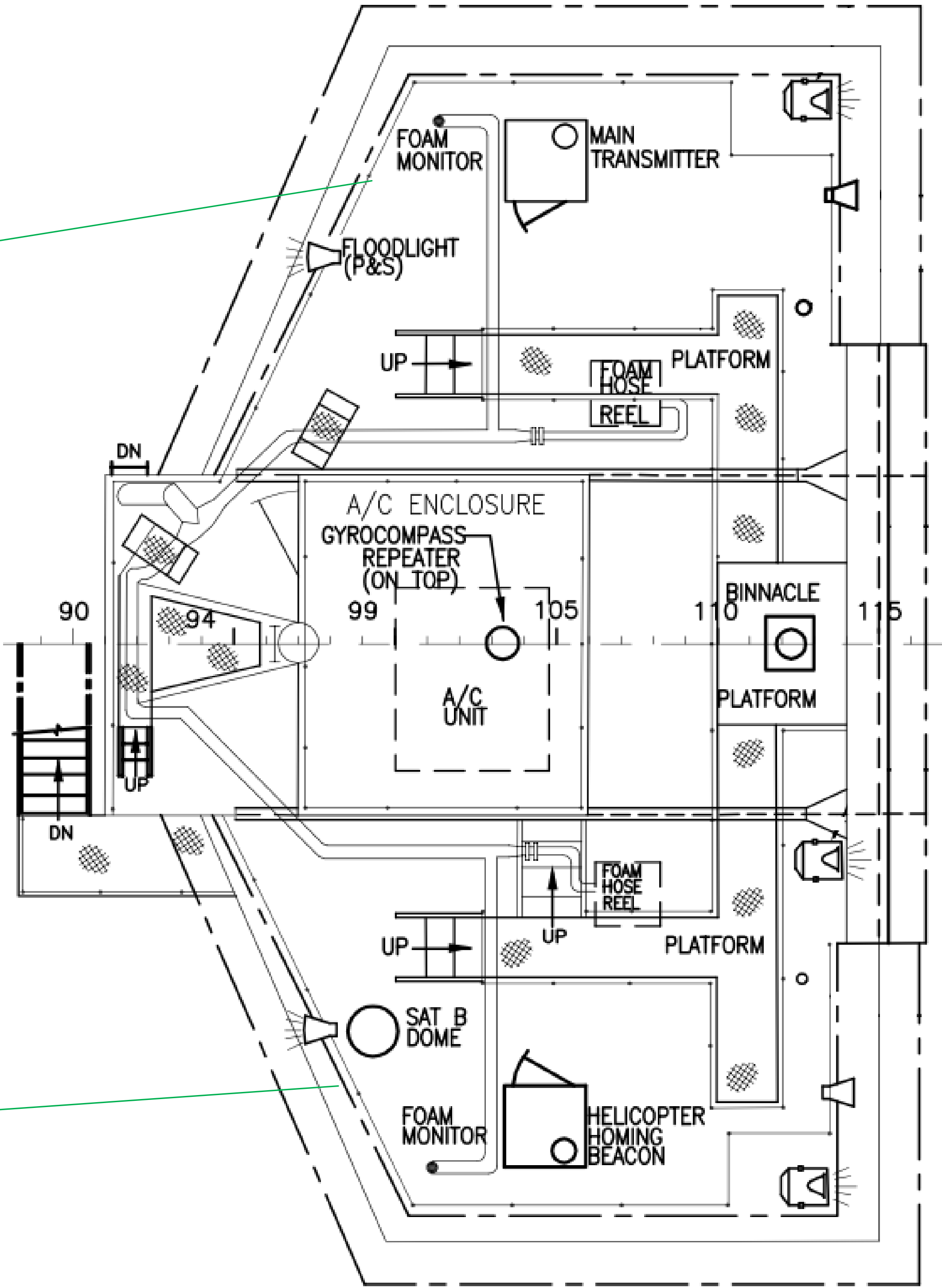
Pipe Insulation


PC

Penetration Caulking

31632-2  
SAMFI

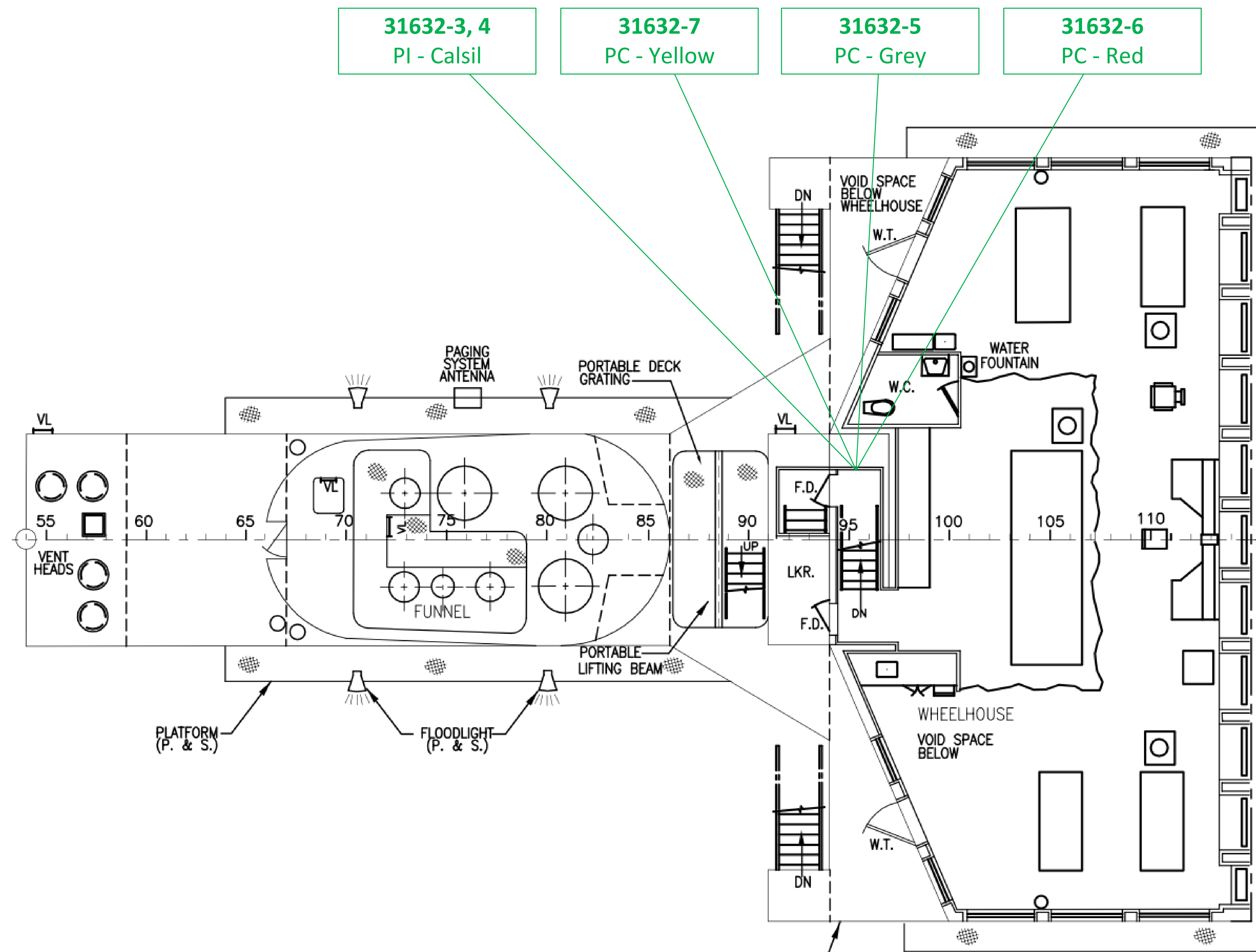
31632-1  
SAMFI




Drawing Not to Scale				
<div>Sample Result Key</div> <div><div>123</div>No Asbestos Detected</div> <div><div>123</div>Material Contains Asbestos</div>		<div>ADDRESS/LOCATION:</div> <div>CCGS Sir Wilfred Laurier</div> <div>DRAWING TITLE:</div> <div>Wheelhouse Top Sample Locations</div>	<div><div>PROJECT NO.:</div>31632</div> <div><div>DATE:</div>December 22, 23, 28, 2016</div> <div><div>SURVEYED BY:</div>JT &amp; CW &amp; LK</div> <div><div>DRAWING NO.:</div>01</div>	<div><div>North West Environmental Group Ltd.</div><div>#201 – 415 Gorge Road East</div><div>Victoria, BC V8T 2W1</div></div>

LEGEND	
SAMFI	Spray Applied Mineral Fibre Insulation
PI	Pipe Insulation
PC	Penetration Caulking

SAMFI	Spray Applied Mineral Fibre Insulation
PI	Pipe Insulation
PC	Penetration Caulking



Drawing Not to Scale			
<b>Sample Result Key</b> <div> <div>123</div> No Asbestos Detected </div> <div> <div>123</div> Material Contains Asbestos </div>		ADDRESS/LOCATION: CCGS Sir Wilfred Laurier  DRAWING TITLE: Wheelhouse Floor Sample Locations	PROJECT NO.: 31632  DATE: December 22, 23, 28, 2016  SURVEYED BY: JT & CW & LK  DRAWING NO.: 02
		 #201 – 415 Gorge Road East  Victoria, BC V8T 2W1	

### Sample Result Key

# No Asbestos Detected

## Material Contains Asbestos

DRAWING TITLE:  
Wheelhouse Floor Sample  
Locations

DRAWING NO.: 02

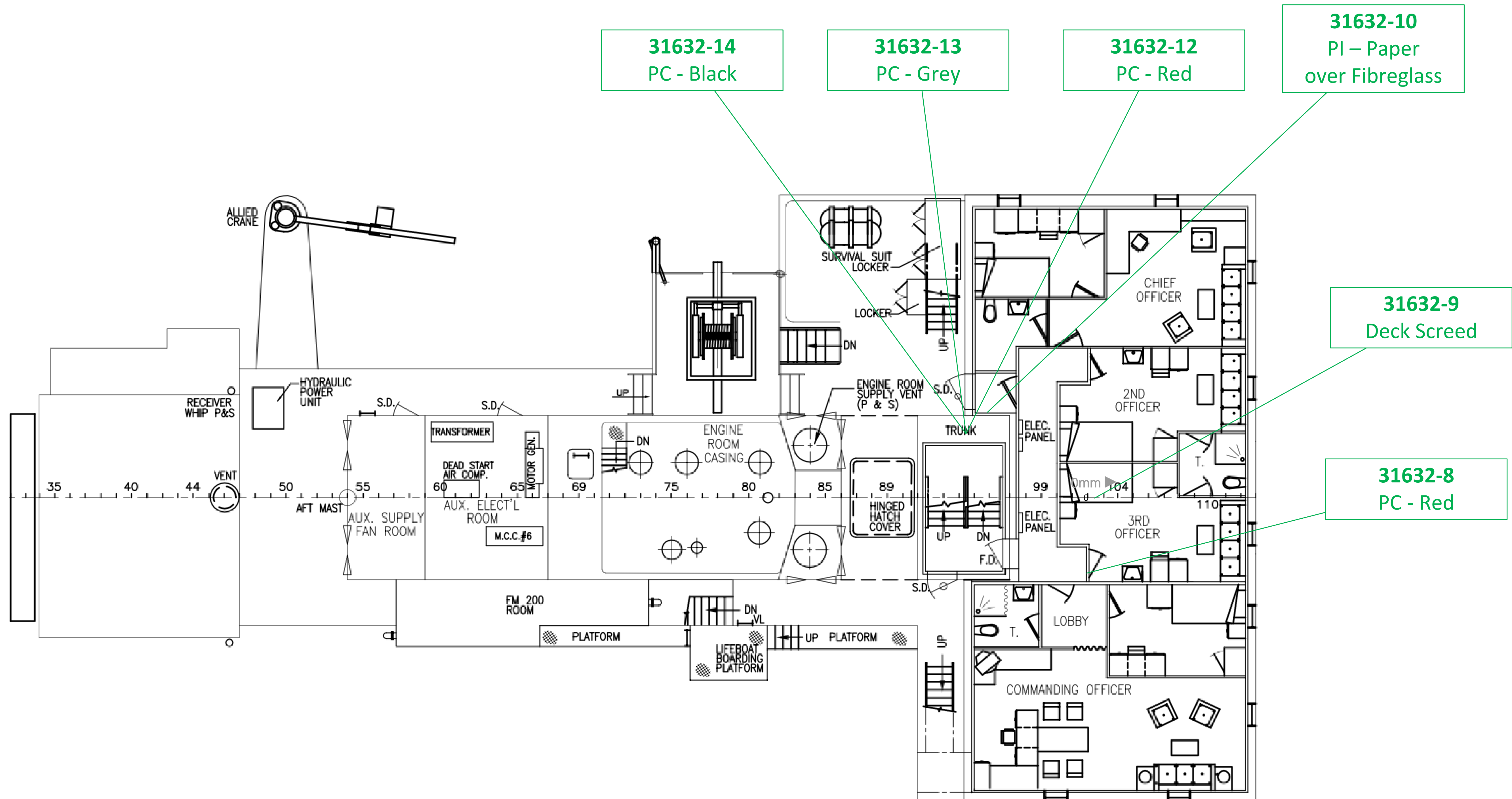



**LEGEND**

SAMFI    Spray Applied Mineral Fibre Insulation

PI        Pipe Insulation

PC        Penetration Caulking



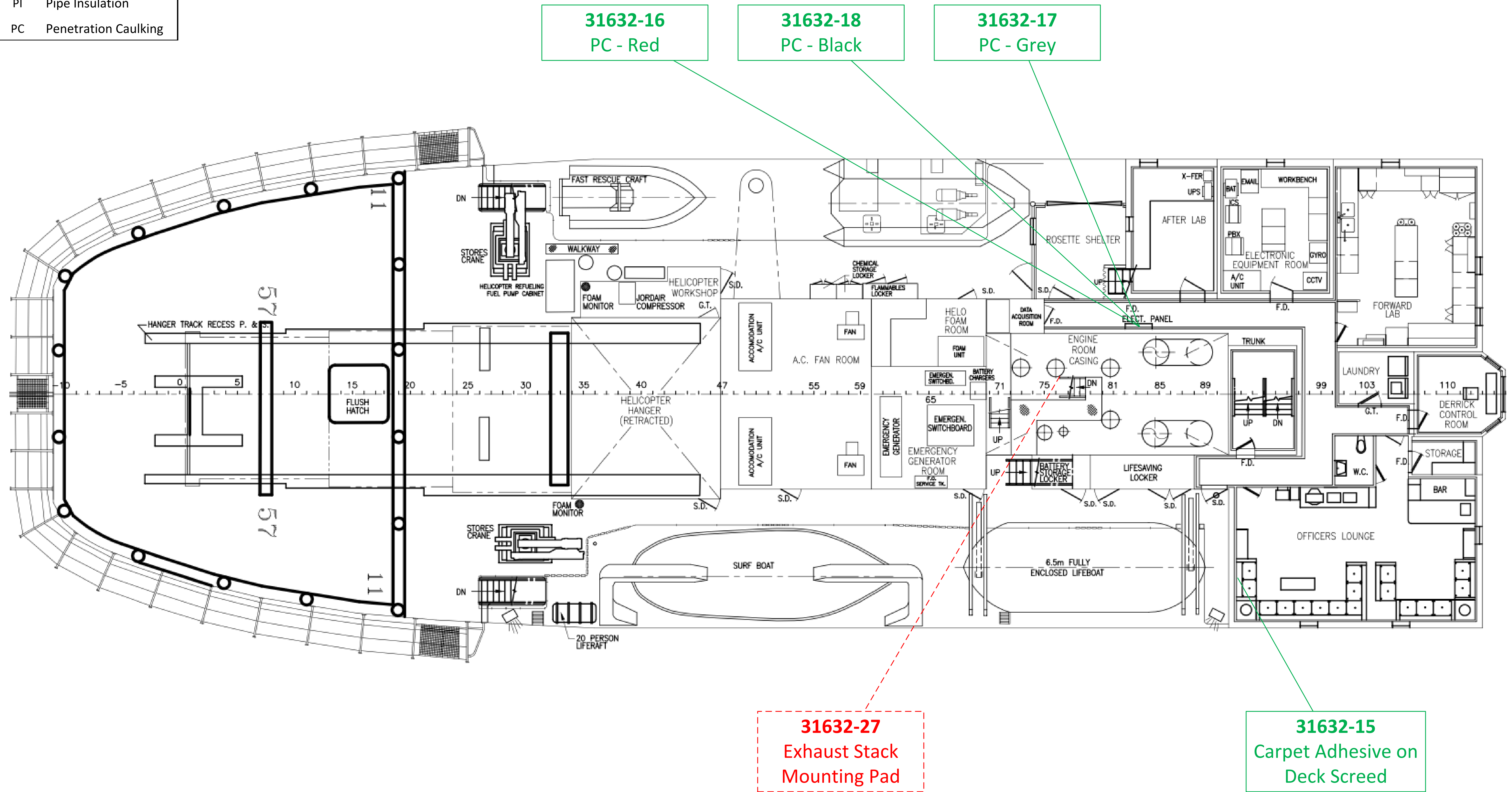
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<div>123</div> No Asbestos Detected		CCGS Sir Wilfred Laurier	DATE: December 22, 23, 28, 2016
<div>123</div> Material Contains Asbestos		DRAWING TITLE:	SURVEYED BY: JT & CW & LK
		Officers Deck Sample Locations	DRAWING NO.: 03
		<div> <b>North West</b> Environmental Group Ltd.</div> <div>#201 – 415 Gorge Road East</div> <div>Victoria, BC V8T 2W1</div>	

**LEGEND**


SAMFI    Spray Applied Mineral Fibre Insulation

PI       Pipe Insulation

PC       Penetration Caulking



Drawing Not to Scale

Sample Result Key		ADDRESS/LOCATION:	PROJECT NO.:	 <b>North West Environmental Group Ltd.</b>
<div>123</div>	No Asbestos Detected			
<div>123</div>	Material Contains Asbestos	CCGS Sir Wilfred Laurier	DATE: December 22, 23, 28, 2016	#201 – 415 Gorge Road East
		DRAWING TITLE:	SURVEYED BY: JT & CW & LK	Victoria, BC V8T 2W1
		Boat Deck Sample Locations	DRAWING NO.: 04	



LEGEND

SAMFI

Spray Applied Mineral Fibre Insulation

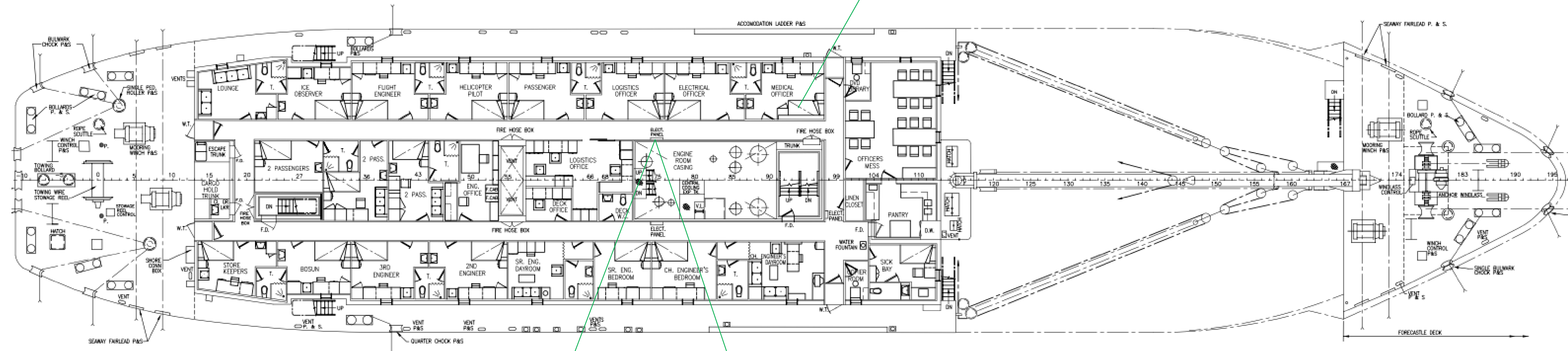
PI

Pipe Insulation

PC

Penetration Caulking

31632-19  
Deck Screed



31632-21  
SAMFI Debris

31632-20  
PC Debris - Red

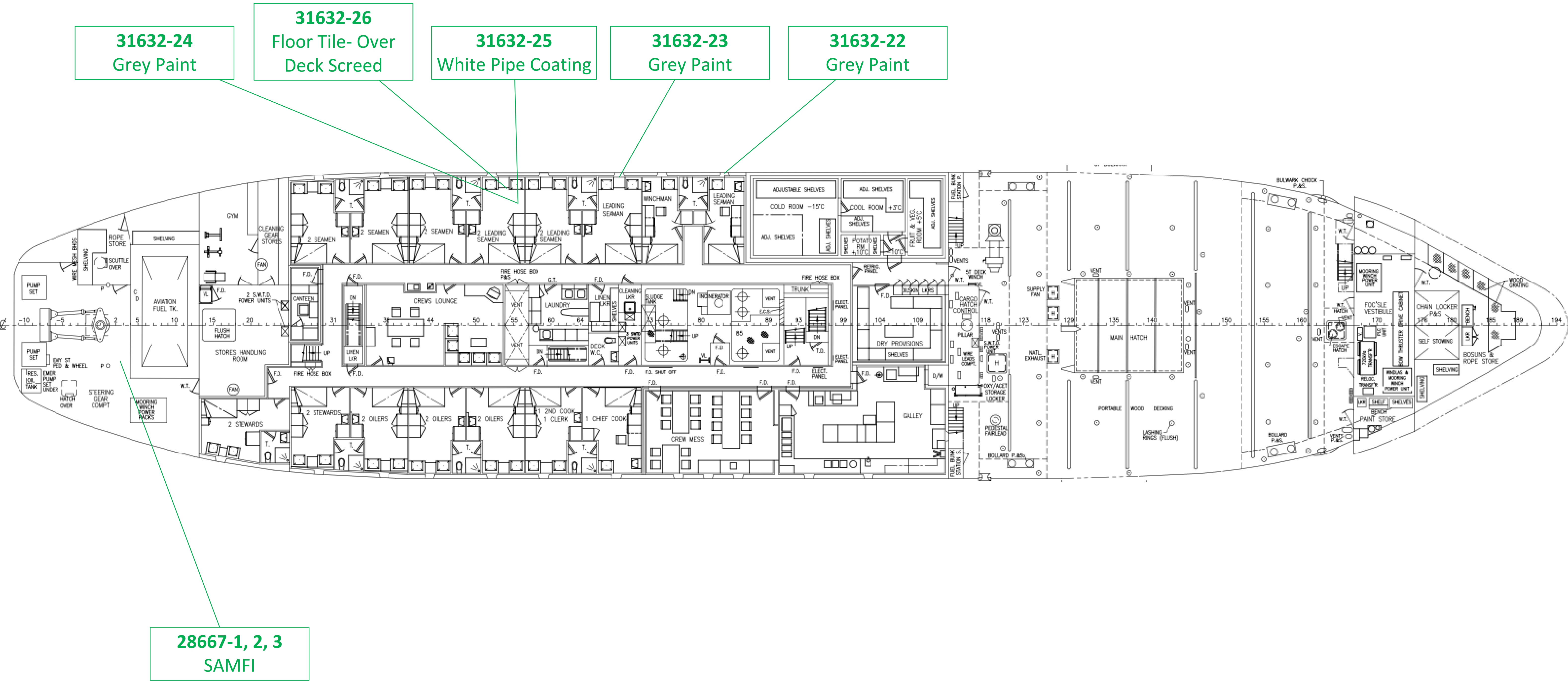
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		DRAWING TITLE: Upper Deck Sample Locations	DATE: December 22, 23, 28, 2016
			SURVEYED BY: JT & CW & LK
			DRAWING NO.: 05
			<div><div></div><div>North West Environmental Group Ltd.</div></div> <div>#201 – 415 Gorge Road East</div> <div>Victoria, BC V8T 2W1</div>

**LEGEND**

SAMFI    Spray Applied Mineral Fibre Insulation

PI        Pipe Insulation

PC        Penetration Caulking



Drawing Not to Scale

**Sample Result Key**

123

No Asbestos Detected

123

Material Contains Asbestos

ADDRESS/LOCATION:  
CCGS Sir Wilfred Laurier

DRAWING TITLE:  
Main Deck Sample Locations

PROJECT NO.:    31632

DATE: December 22, 23, 28,  
2016

SURVEYED BY: JT & CW & LK

DRAWING NO.:    06

**North West  
Environmental Group Ltd.**

#201 – 415 Gorge Road East

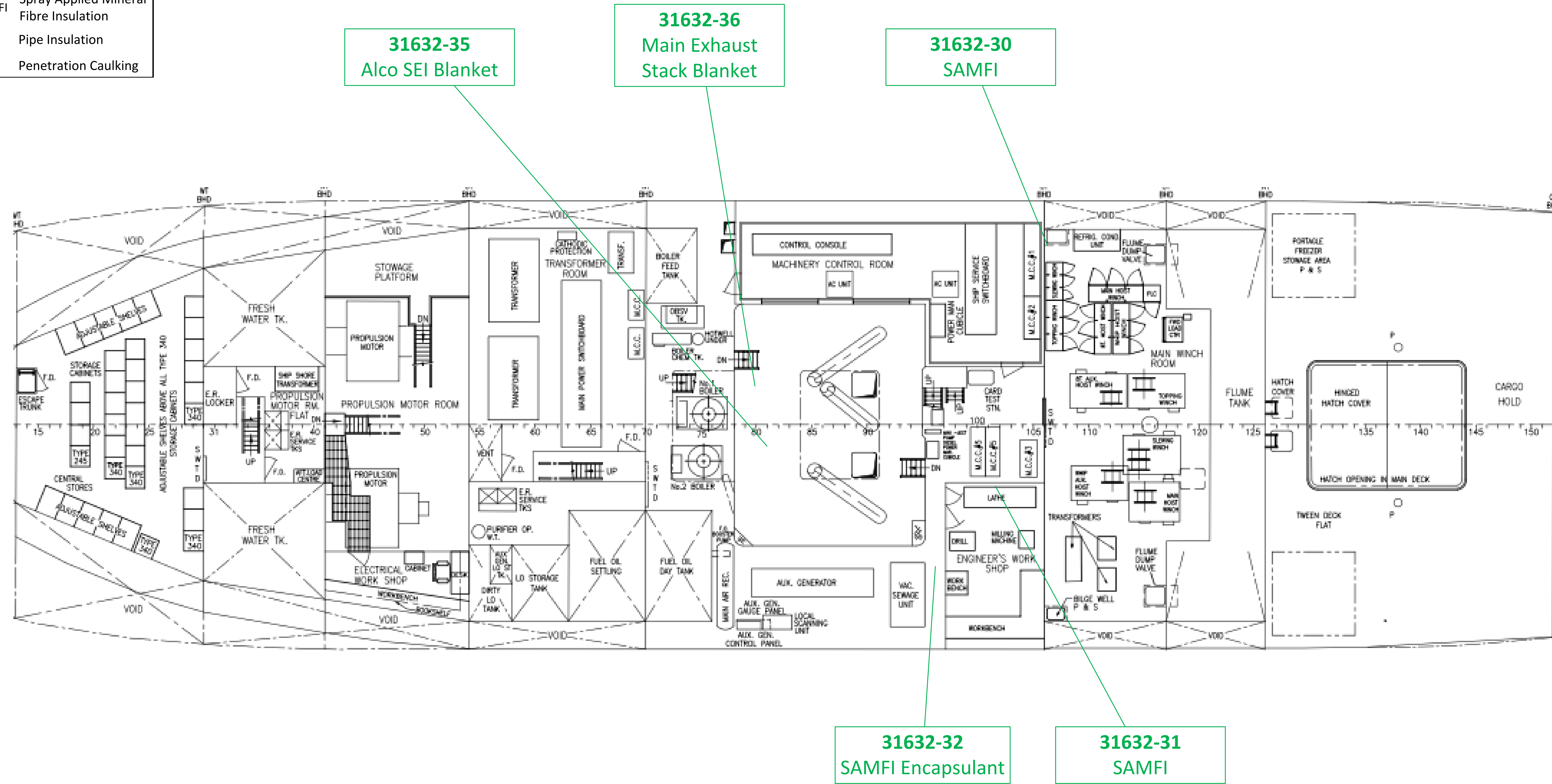
Victoria, BC V8T 2W1

**LEGEND**

SAMFI    Spray Applied Mineral Fibre Insulation

PI        Pipe Insulation

PC        Penetration Caulking



Drawing Not to Scale

Sample Result Key	
<div>123</div>	No Asbestos Detected
<div>123</div>	Material Contains Asbestos

ADDRESS/LOCATION:
CCGS Sir Wilfred Laurier
DRAWING TITLE:
E. R. Flat Sample Locations

PROJECT NO.:	31632
DATE:	December 22, 23, 28, 2016
SURVEYED BY:	JT & CW & LK
DRAWING NO.:	07



**North West**  
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#201 – 415 Gorge Road East

Victoria, BC V8T 2W1

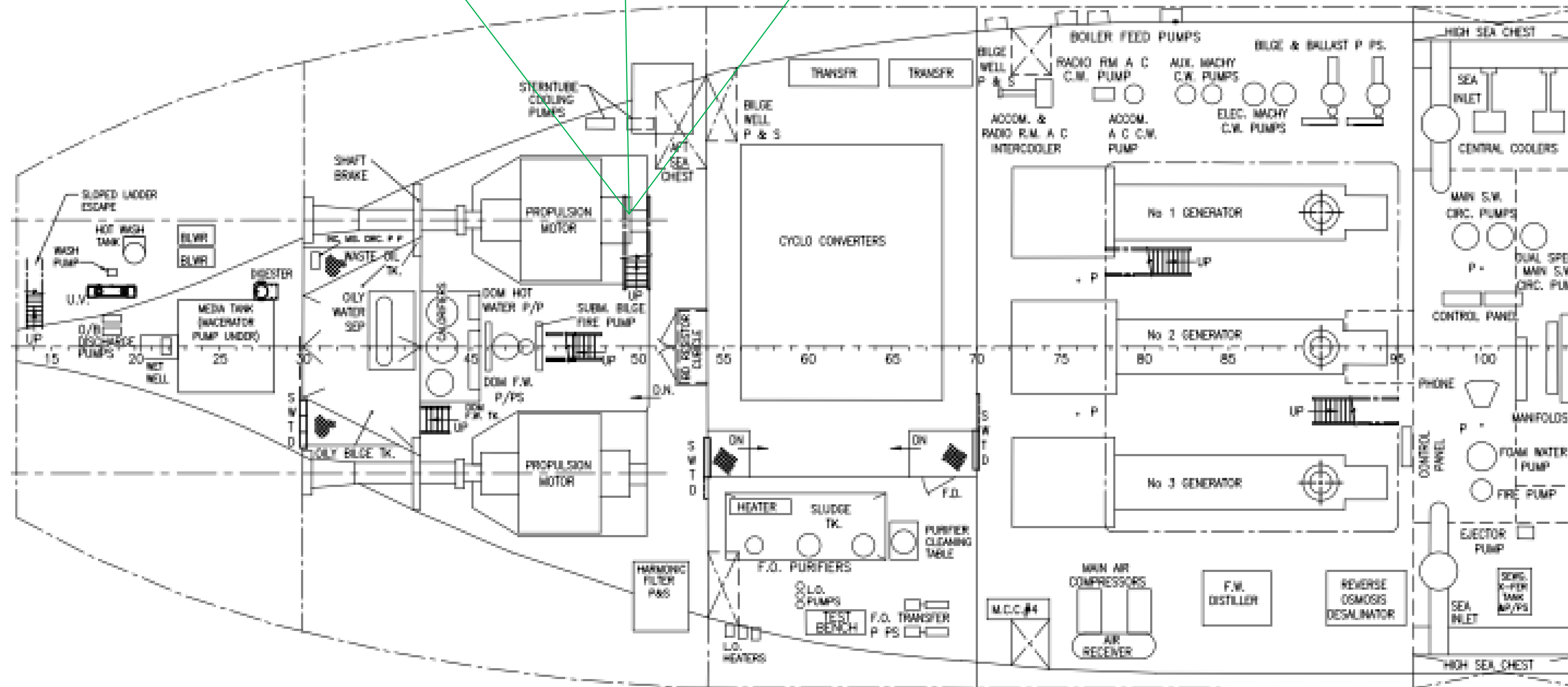


**LEGEND**

SAMFI	Spray Applied Mineral Fibre Insulation
PI	Pipe Insulation
PC	Penetration Caulking

PC Penetration Caulking

## PI - Calsil



### Sample Result Key

# No Asbestos Detected

# Material Contains Asbestos

CCGS Sir Wilfred Laurier

DRAWING TITLE:

## Tank Top Sample Locations

DATE: December 22, 23, 28,  
2016

SURVEYED BY: JT & CW & LK

DRAWING NO.: 08

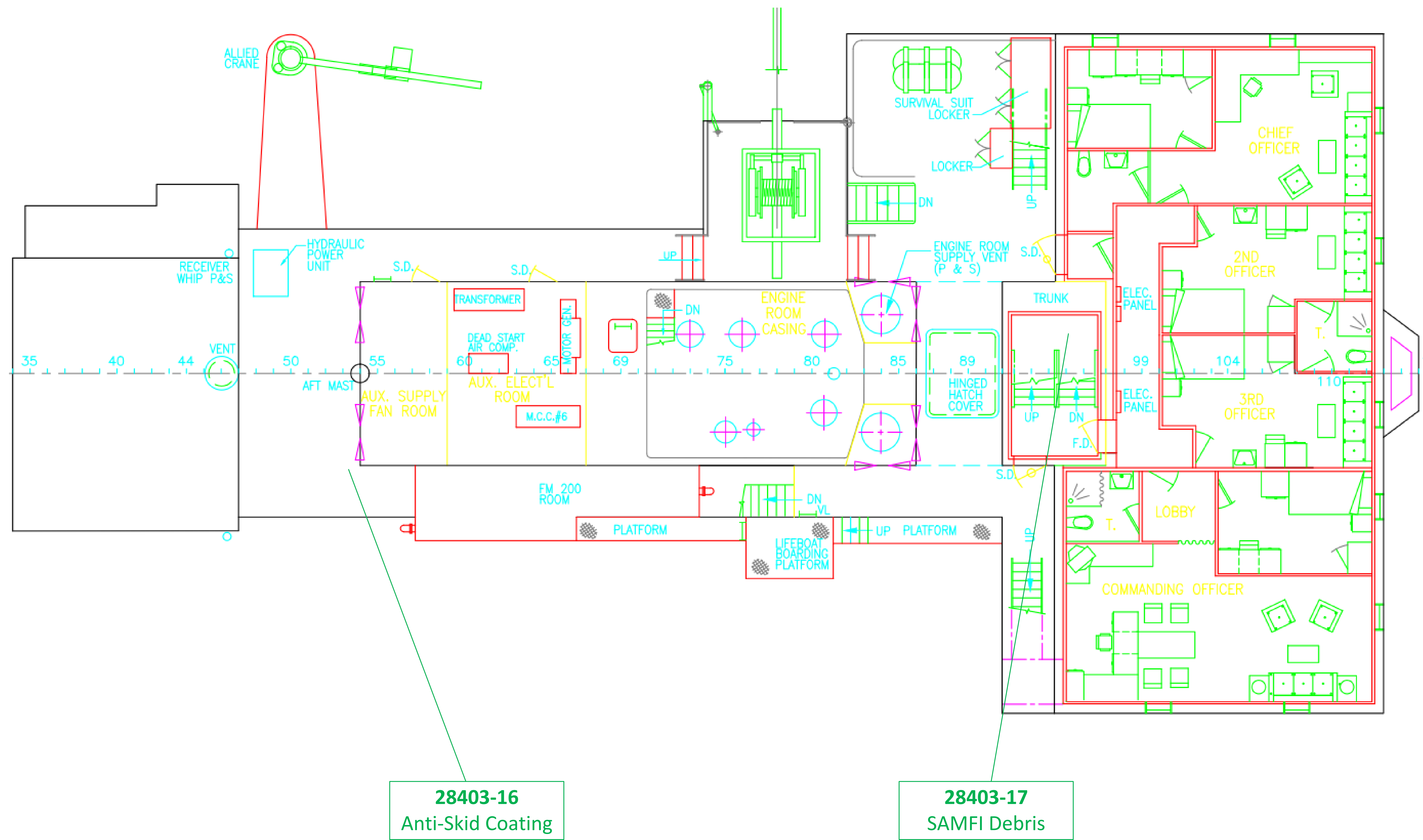


Victoria, BC V8T 2W1

LEGEND

SAMFI

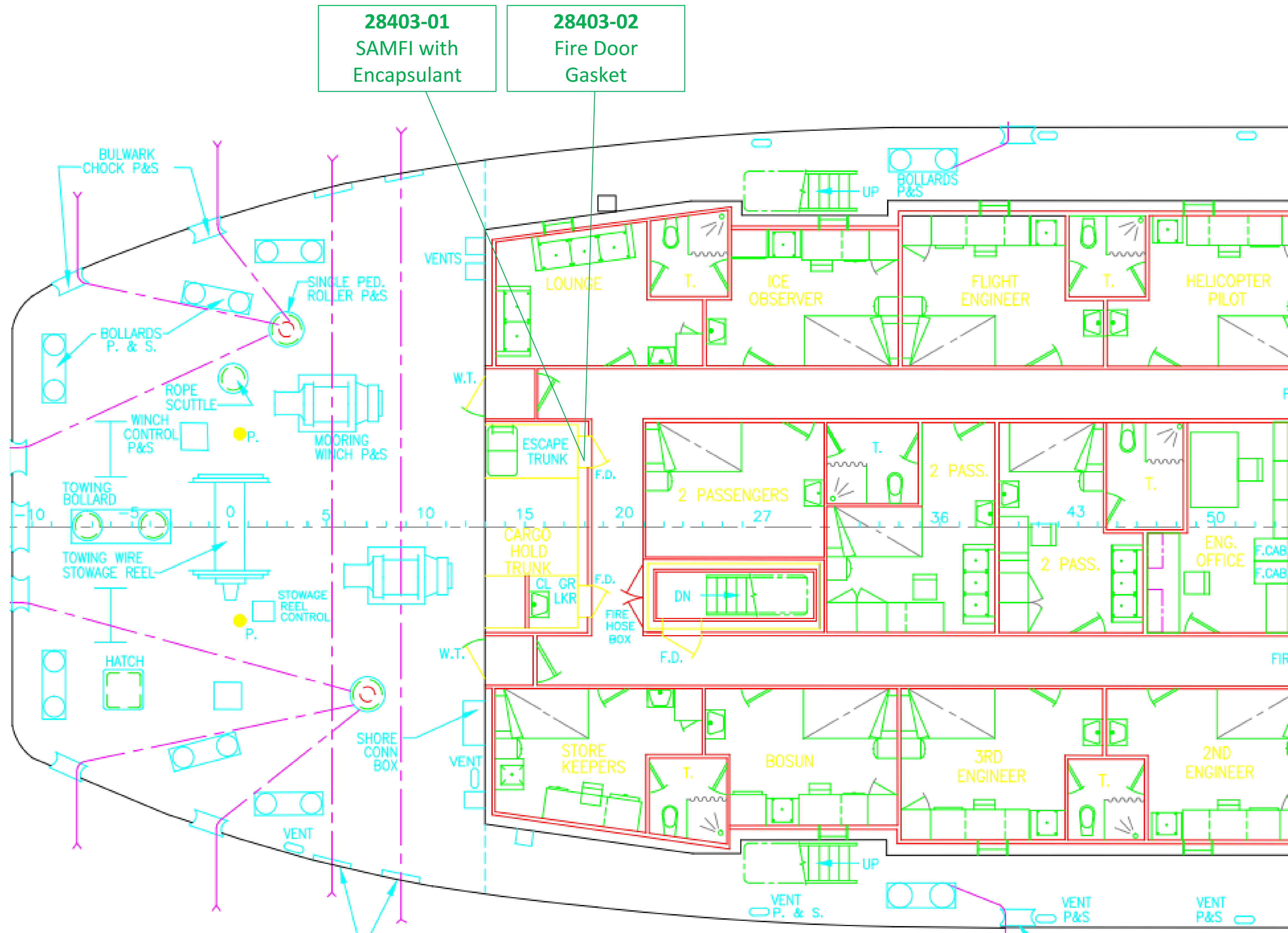
Spray Applied Mineral Fibre Insulation




Drawing Not to Scale			
<div>Sample Result Key</div> <div><div>123</div>No Asbestos Detected</div> <div><div>123</div>Material Contains Asbestos</div>	<div>ADDRESS/LOCATION:</div> <div>CCGS Sir Wilfred Laurier</div> <div>DRAWING TITLE:</div> <div>Officers Deck Sample Locations</div>	<div>PROJECT NO.:</div> <div>28403</div> <div>DATE:</div> <div>18/04/2016</div> <div>SURVEYED BY:</div> <div>JT/SC</div> <div>DRAWING NO.:</div> <div>001</div>	<div><div><div></div></div><div>North West Environmental Group Ltd.</div></div> <div>#201 – 415 Gorge Road East</div> <div>Victoria, BC V8T 4N4</div>

LEGEND

SAMFI    Spray Applied Mineral Fibre Insulation



Drawing Not to Scale			
<b>Sample Result Key</b>		ADDRESS/LOCATION:	PROJECT NO.: 28403
123 No Asbestos Detected		CCGS Sir Wilfred Laurier	DATE: 18/04/2016
123 Material Contains Asbestos		DRAWING TITLE:	SURVEYED BY: JT/SC
		Aft Upper Deck Sample Locations	DRAWING NO.: 002
		 <b>North West</b> Environmental Group Ltd.	
		#201 – 415 Gorge Road East	
		Victoria, BC V8T 4N4	

**LEGEND**

SAMFI    Spray Applied Mineral Fibre Insulation

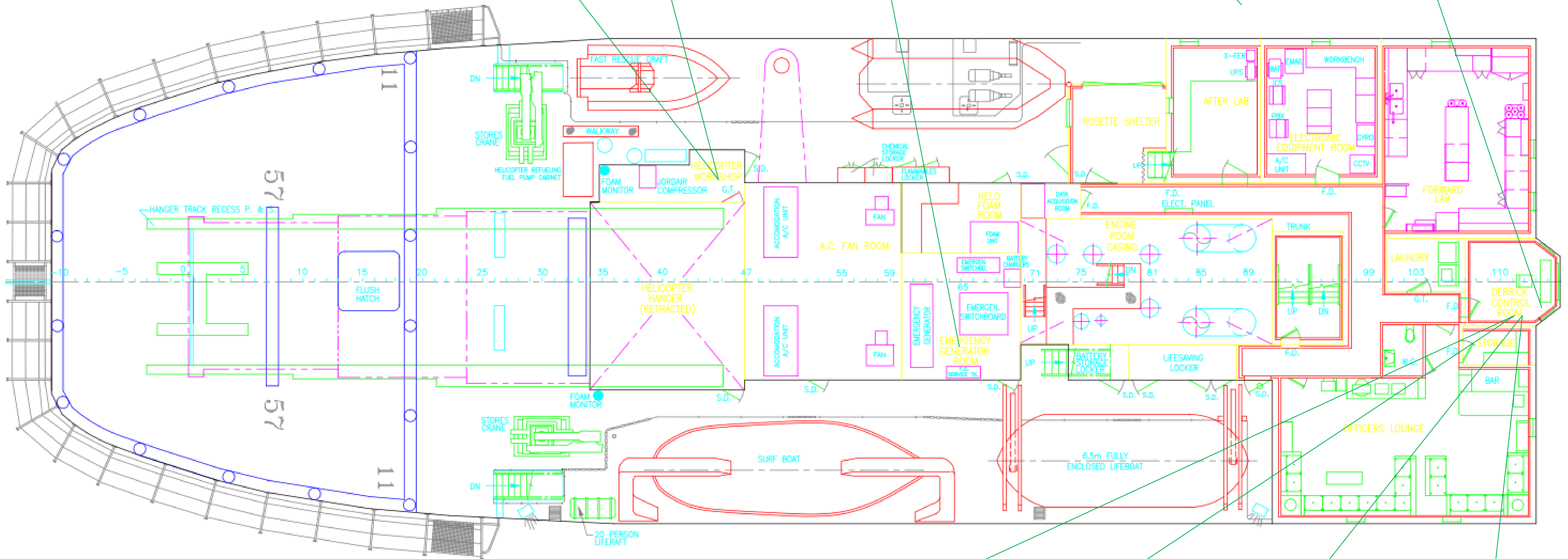
**28403-15**  
Gasket - Red

**28403-12,13,14**  
Anti-Sweat Paint

**28403-11**  
SAMFI with Encapsulant

**28403-10**  
Baseboard Adhesive - Brown

**28403-06,07,08**  
Window Assembly Caulking - Black



**28403-05**  
SAMFI

**28403-04**  
Baseboard Adhesive - Brown

**28403-03**  
Floor Tile Remnant- Beige

**28403-09**  
Deck Screed Remnant

Drawing Not to Scale

**Sample Result Key**

123

No Asbestos Detected

123

Material Contains Asbestos

ADDRESS/LOCATION:

CCGS Sir Wilfred Laurier

DRAWING TITLE:

Boat Deck Sample Locations

PROJECT NO.: 28403

DATE: 18/04/2016

SURVEYED BY: JT/SC

DRAWING NO.: 003



**North West**  
Environmental Group Ltd.

#201 – 415 Gorge Road East

Victoria, BC V8T 4N4



SAMFI	Spray Applied Mineral Fibre Insulation
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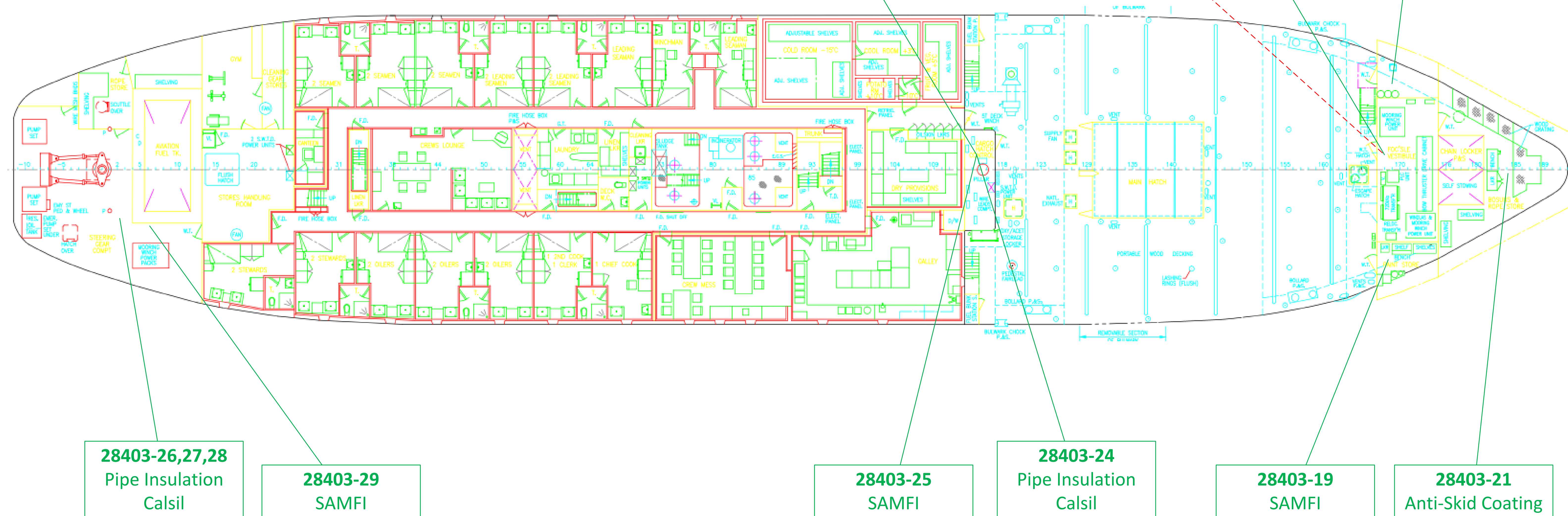
SAMFI	Spray Applied Mineral Fibre Insulation
-------	--

**28403-23**  
Pipe Insulation  
Textile Only

**28403-22**  
**Water Sealant**

**28403-20**  
Pipe Insulation  
Calsil with Textile Covering

**28403-18**  
Pipe Insulation  
Fibre-Glass with Textile Covering



Drawing Not to Scale

### Sample Result Key

123

## No Asbestos Detected

123

## Material Contains Asbestos

ADDRESS/LOCATION:

CCGS Sir Wilfred Laurier

DRAWING TITLE:

## Main Deck Sample Locations

**PROJECT NO.:** 28403

DATE: 18/04/2016

SURVEYED BY: JT/SC

DRAWING NO.: 004



#201 – 415 Gorge Road East

Victoria, BC V8T 4N4

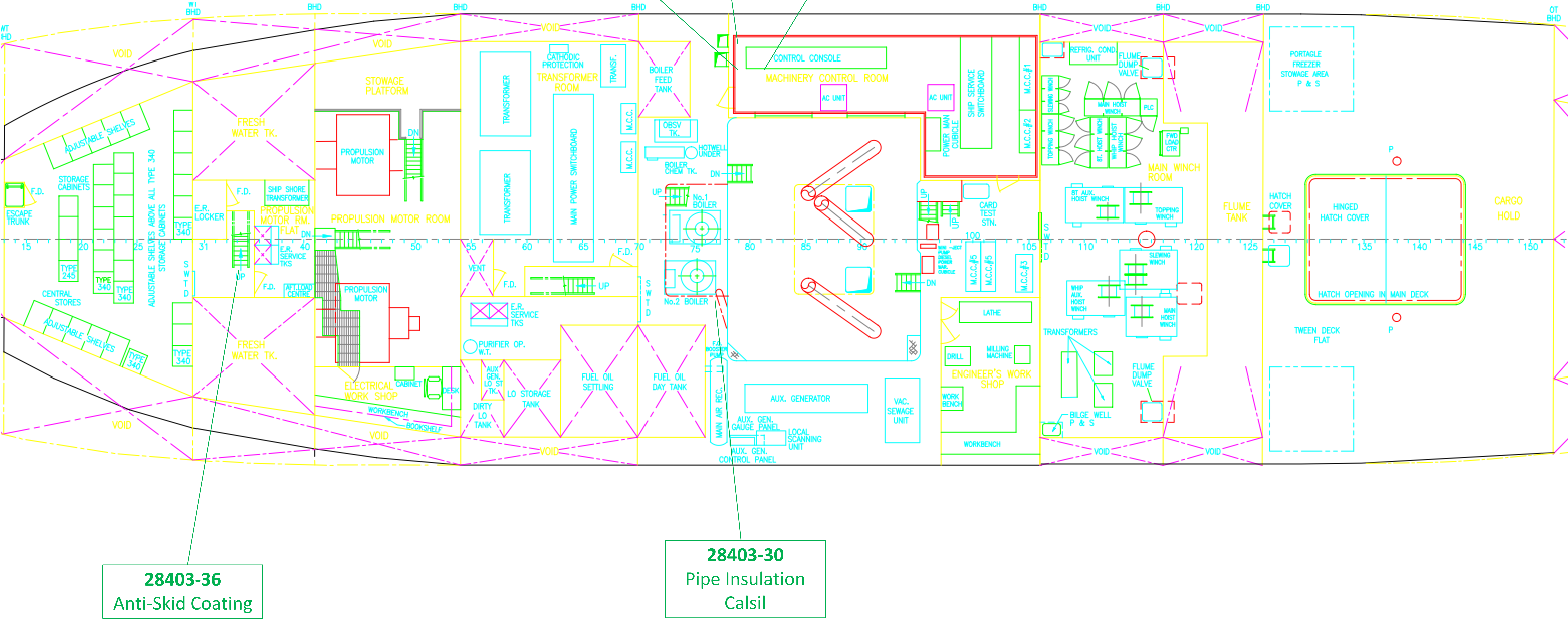
**LEGEND**

SAMFI    Spray Applied Mineral Fibre Insulation

**28403-33**  
Baseboard Adhesive - Brown

**28403-31**  
Floor Tile – Brown with White Streaks

**28403-32**  
Anti-Skid Flooring



Drawing Not to Scale

**Sample Result Key**

123

No Asbestos Detected

123

Material Contains Asbestos

ADDRESS/LOCATION:  
CCGS Sir Wilfred Laurier

DRAWING TITLE:  
E. R. Flat Sample Locations

PROJECT NO.: 28403

DATE: 18/04/2016

SURVEYED BY: JT/SC

DRAWING NO.: 005

 **North West  
Environmental Group Ltd.**

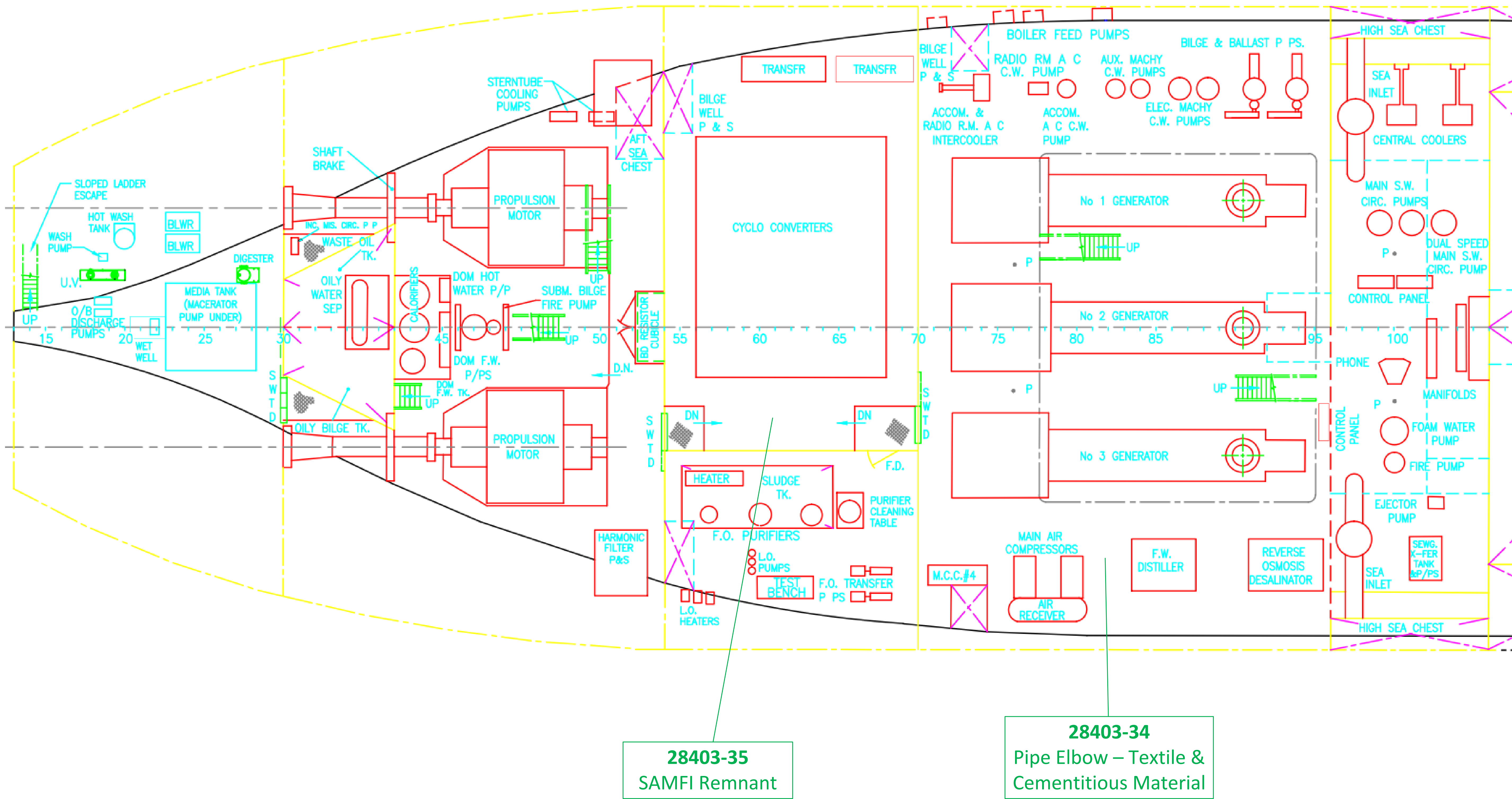
#201 – 415 Gorge Road East

Victoria, BC V8T 4N4

LEGEND

SAMFI

Spray Applied Mineral Fibre Insulation



Drawing Not to Scale

Sample Result Key

- 123

No Asbestos Detected
- 123

Material Contains Asbestos

ADDRESS/LOCATION:  
CCGS Sir Wilfred Laurier


DRAWING TITLE:  
Tank Top Sample Locations

PROJECT NO.: 28403

DATE: 18/04/2016

SURVEYED BY: JT/SC

DRAWING NO.: 006



**North West**  
Environmental Group Ltd.

#201 – 415 Gorge Road East

Victoria, BC V8T 4N4

## **Appendix D: Manufacturer's Documentation**



# Safety Data Sheet

For

## Mascoat Marine-DTM

### Section 1-Chemical Product and Company Information

Product Name: Marine-DTM  
Product Code: 1101 and all colors  
Trade Name: Marine-DTM

**Manufactured by:**  
Mascoat  
4310 Campbell Road  
Houston, TX 77041  
USA

**Emergency Telephone:**  
713-465-0304

Product Use: Insulation coating for personnel protection and energy retention  
Not recommended for: Unintended uses

### Section 2-Composition and Information on Ingredients

This product is considered to be non-hazardous per 29 CFR 1910

**GHS Ratings:** There are no GHS ratings that apply to this product at this time.  
**GHS Hazards:** None known  
**GHS Precautions:** None known

### Section 3-Hazards Identification

Chemical Name/CAS No.	Amount	Osha Exposure Limits	ACGIH Exposure Limits
Water 7732-18-5	40-50%		
Resin Polymer 00-00-00	20-30%		
Trade Secret Insulation Media	10-20%	5 mg/m <sup>3</sup> resp	10 mg/m <sup>3</sup>
Titanium Dioxide 13463-67-7	1-5%	15 mg/m <sup>3</sup> total dust	10 mg/m <sup>3</sup>
Extender Pigment 1317-65-3	1-5%	5 mg/m <sup>3</sup> resp	2 mg/m <sup>3</sup>
Extender Pigment	1-5 %		

The dry ingredients will be encapsulated with resin which will minimize exposure.

### Section 4-First Aid Measures

**INHALATION** - Remove victim to fresh air. Aid in breathing if needed and seek medical attention.

**EYE CONTACT** - In case of eye contact, flush with clean water for 15 minutes. If contact lenses are worn, quickly remove them and flush the eyes with water. Seek medical attention.

**SKIN CONTACT** - Rinse thoroughly with soap and water. Do not allow coating to dry on skin as it will be hard to remove. If redness persists, seek medical attention.

**INGESTION** - If swallowed, dilute with clean water. Do not induce vomiting. If vomiting occurs spontaneously, keep the head below hips to prevent aspiration of liquid into the lungs. Seek medical attention.

**Notes to Physician:** None known.

## Section 5-Fire Fighting Measures

LEL: N/A

UEL: N/A

**EXTINGUISHING MEDIA:** Use carbon dioxide (CO<sub>2</sub>), "alcohol" foam, dry chemical, or water spray/water fog extinguishing systems.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** Liquid product will not burn but may spatter if temperature exceeds boiling point. Extreme heat may cause closed containers to burst. Dried film of product is capable of burning, giving off oxides of carbon/nitrogen.

**HAZARDOUS COMBUSTION PRODUCTS:** See section 10 for a list of hazardous decomposition products for this mixture.

**FIRE FIGHTING:** If evacuation of personnel is necessary, evacuate to an up-wind area. Use water fog/water spray to cool closed adjacent containers to prevent pressure buildup. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

**FIRE FIGHTING EQUIPMENT:** Fire fighters and emergency personnel should wear full protective gear including self-contained breathing apparatus (SCBA).

## Section 6-Accidental Release Measures

**SPILL AND LEAK PROCEDURES:** Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE). Keep non-essential personnel away from the contaminated area.

**SMALL SPILLS:** Mix appropriate absorbent into the spilled material. Sawdust or kitty litter may be used. Collect the saturated absorbent and transfer it into a covered container.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

**LARGE SPILLS:** Prevent materials from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product has entered or may enter sewers, watercourses or extensive land areas. Mix appropriate absorbent into the spilled material. Sawdust or kitty litter may be used. Collect the saturated absorbent and transfer it into a covered container.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

## Section 7-Handling and Storage

**HANDLING PRECAUTIONS:** Wear all appropriate Personal Protective Equipment (PPE). Ensure adequate ventilation during use and storage. Keep containers closed when not in use. Store in original containers.

**STORAGE REQUIREMENTS:** Protect from freezing and keep out of direct sunlight for extended periods. Climate controlled storage conditions are best.

**REGULATORY REQUIREMENTS:** None known.

## Section 8-Exposure Controls / Personal Protection

Chemical Name/CAS No.	Amount	Osha Exposure Limits	ACGIH Exposure Limits
Water 7732-18-5	40-50%		
Resin Polymer 00-00-00	20-30%		
Trade Secret Insulation Media	10-20%	5 mg/m <sup>3</sup> resp	10 mg/m <sup>3</sup>
Titanium Dioxide 13463-67-7	1-5%	15 mg/m <sup>3</sup> total dust	10 mg/m <sup>3</sup>
Extender Pigment 1317-65-3	1-5%	5 mg/m <sup>3</sup> resp	2 mg/m <sup>3</sup>
Extender Pigment	1-5 %		

**ENGINEERING CONTROLS:** Airless spray for application is preferred to minimize overspray. Provide ventilation sufficient to remove airborne particles. Use good painting practices.

**VENTILATION:** Use only with adequate ventilation. Ventilation should be sufficient to keep the area within occupational exposure limits.

**ADMINISTRATIVE CONTROLS:** None known

**PROTECTIVE EQUIPMENT:** A dust respirator is recommended even with adequate ventilation. Do not use respirators beyond their capacities. In the event that occupational exposure limits may be exceeded, use an approved air supplied respirator or positive-pressure, self-contained breathing apparatus (SCBA).

Safety glasses or other protective eye-wear are recommended.

Protective gloves should be worn to prevent skin contact.

**Contaminated Equipment:** Contaminated clothing should be washed before reuse or discarded. Dried paint on clothing is non-hazardous. Equipment should be thoroughly cleaned after use. Dispose of any waste in accordance with all Federal, state, regional and local regulations.

## Section 9-Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

Appearance:	smooth, creamy liquid	Odor:	slight ammoniacal
Vapor Pressure:	no data	Odor threshold:	no data
Vapor Density:	same as water vapor	pH:	9.2-9.6
Specific Gravity:	0.62	Melting point:	no data
Freezing Point:	32 °F	Solubility:	dilutable with water
Boiling range:	~212 °F	Flash Point:	None
Evaporation rate:	=water	Flammability:	Liquid coating will not burn
Explosive limits:	None	Partition coefficient:	No data
Auto-ignition Temp:	>600 °F	Decomposition temp:	450 °F (dry coating)
Viscosity:	20,000-50,000 cP	Lbs. VOC/Gal:	0.06

## Section 10-Stability and Reactivity

**Stability:** Stable

**This mixture is incompatible with the following products:** Solvents will coagulate the liquid.

**This mixture is likely to exhibit the following combustion byproducts:** Carbon dioxide, carbon monoxide, oxides of nitrogen

Hazardous polymerization will not occur.

## Section 11-Toxicological Information

**Mixture Toxicity:** None known

**Component Toxicity:** None known

**Toxicological Information:** No data found

**Routes of Entry:** ingestion, inhalation of overspray if proper ventilation or PPE is not used

**Target Organs:** None known

**Effects of Overexposure:** None known

**Carcinogen Rating:** None present in any reportable quantity

## Section 12-Ecological Information

**Ecological Information:** No data found

## Section 13-Disposal Considerations

Avoid ordering too much material. The best disposal practice is to use up left over material. Material may be solidified with cement and disposed of according to local, state, regional and Federal regulations. Dry material is non-hazardous.

## Section 14-Transport Information

Not regulated by 49 CFR, IATA or IMO.

**DOT Proper Shipping Name:** None

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	Not regulated	N/A	N/A	N/A
IATA	Not regulated	N/A	N/A	N/A
IMDG	Not regulated	N/A	N/A	N/A

## Section 15-Regulatory Information

Additional regulatory listings, where applicable

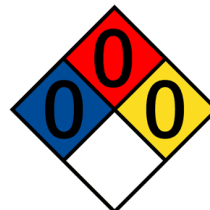
**Toxic Substances Control Act (TSCA):** All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory.

## Section 16-Other Information

This material is considered to be **Non-Hazardous** per 29 CFR 1910.

Hazardous Material Information System (HMIS)	National Fire Protection Association (NFPA)
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Health	0
Flammability	0
Physical Hazard	0
Personal Protection	B



### HMIS & NFPA Hazard Rating Legend

\* = Chronic Health Hazard

**0 = INSIGNIFICANT**

**1 = SLIGHT**

**2 = MODERATE**

**3 = HIGH**

Date Prepared: 6-1-2015

Revision Number: 1

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. The information in the sheet was written based on the best knowledge and experience currently available.

March 9, 2017

Mr. Edward Camilleri  
Senior Vessel Maintenance Manager, Marine Engineering  
Canadian Coast Guard  
Western Region  
PO Box 6000, 9860 West Saanich Road, Sidney BC V8L 4B2

Declaration of Conformity  
SOLAS Regulation II-1/3-5

Dear Sir:

Mascoat products such as Mascoat Marine DTM and Mascoat Sound Control DB are not now and never have been formulated with any asbestos containing compounds.

Sincerely,

**MASCOAT**



Tom Fitzgerald  
Technical Director



**AkzoNobel**  
Tomorrow's Answers Today

Canadian Coast Guard  
Fisheries and Oceans Canada  
Suite 200 – 401 Burrard Street  
Vancouver, British Columbia V6C 3S4

19 January, 2017

RE: Code of Practice; Asbestos Declaration

Dear Customer:

Thank you for your inquiry concerning certain compounds used in our coatings. This letter serves as certification from AkzoNobel International Paint LLC about these specified elements or compounds. We have evaluated the components of our formulations to obtain information about the presence of hazardous metals, components and asbestos. AkzoNobel has also carefully reviewed the representations of our suppliers and concluded that the representations are reasonably reliable and demonstrate compliance with AkzoNobel substance policies as well as local and regional regulations.

With reference to all products supplied by AkzoNobel - Intershiel 300HS, Interlac 665, Interthane 990, Intershiel 556, Intershiel 6GV, Interprime 198, Interprime 234 and Interbond 808 - we determined that the formulations of aforementioned products do not contain asbestos nor intentionally added formaldehyde, lead, chromium, cadmium, tin, nickel, manganese, arsenic, barium, mercury, selenium, silver or other hazardous metals. Only incidental naturally occurring traces of these compounds should be present unless otherwise noted. Certain products may contain a very small amount of organotin catalyst. Our Product Stewardship programme, which requires us to conduct business in a responsible manner, has led us to remove many potentially harmful raw materials from our coatings ahead of legislation. In addition our policies specify that all raw materials and products conform to the Consumer Product Safety Commission (CPSC) mandate of lead content below 600 parts per million (ppm).

Certain pigments used to obtain specific colors may contain naturally occurring trace impurities of lead and cadmium; however these impurities have been determined to contain less than 0.1% of the pigment's total weight. Only ASTM D520 Type II or Type III zinc has been used in the manufacture of zinc rich primers.

Yours faithfully,  
International Paint LLC

Ms. Sheri L. Oberle  
Regulatory Specialist II  
Direct Tel: 1-713-684-5848  
Email: [sheri.oberle@akzonobel.com](mailto:sheri.oberle@akzonobel.com)

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An Illinois Tool Works Company  
130 Commerce Drive  
Montgomeryville, PA 18936  
Telephone 215.855.8450  
FAX 215.855.4688

# Engineered Polymers

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March, 2017

## **ASBESTOS FREE CERTIFICATION**

To Whom it May Concern:

ITW Engineered Polymers certifies that, to the best of our knowledge, the products manufactured by our company do not contain asbestos and are asbestos free.

Sincerely,  
ITW Engineered Polymers

*John A Farrell*

John A Farrell  
EHS Manager

## DESCRIPTION

PolySpec® CLAD Epoxy Underlayment is a 100% solids, two component, trowel applied epoxy mortar system. This product incorporates epoxy resin and properly graded aggregates to provide an easy to apply, functional underlayment that is compatible with virtually any finish flooring system. PolySpec® CLAD is listed on the Federal Government's Qualified Products List (QPL) under MIL-D-3135, Type I, Class 2 and Type II, Class 2.

## TYPICAL APPLICATION

• Primer	700/710 @ 5-7 mils
• Body Coat	Clad @ ¼" inch thickness
• Seal Coat	700/710 @ 10-12 mils

## PERFORMANCE DATA

Compressive Strength (ASTM C-306)	10,900 psi
Adhesive Strength (MIL-D-3135)	500 psi
Moisture Absorption	15%
Impact Resistance (MIL-D-3135)	0.009" – No chipping, cracking or detachment from the steel plate
Indentation (MIL-D-3135)	Initial: 0.007" (6%) 24 hour residual 0.0% (0%)
Corrosion Resistance (MIL-D-3135)	No signs of corrosion. No softening or detachment from the steel plate
Shock Resistance (MIL-D-3135)	No signs of chipping, cracking or detachment from steel plate
Oil Absorption (MIL-D-3135)	20%
Fire Resistance (MIL-D-3135)	Less than 4 inch char length Self extinguishing. Fire retardant.
Resistance to Elevated Temperatures (MIL-D-3135)	No flow, no slip, no softening

## STORAGE & INSTALLATION

Storage Environment	Dry area, 65–80°F
Application Temperature, ambient	50–85°F
Application Temperature, substrate	Minimum 5°F above dew point
Service Temperature	Maximum 150°F
Shelf Life	12 months
Pot Life, @ 77°F	30-45 minutes
Foot Traffic, @ 77°F	16- 18 hours
Full Service, @ 77°F	24-36 hours

*Material cures more slowly at cooler temperatures, and working time will be substantially reduced at higher temperatures. In hot weather, material should be cooled to 65°F to 80°F prior to mixing and application to improve workability and avoid shortened pot life. The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result.*

## CONSIDERATIONS & LIMITATIONS

1. Floors should be sloped to drain to prevent standing water or chemicals. As with any surface, all spills should be removed as soon as possible to prevent a slipping hazard.
2. Do not thin with solvents unless advised to do so by PolySpec.
3. Confirm product performance in specific chemical environment prior to use.
4. Prepare substrate according to "Surface Preparation" portion of this document.
5. Always use protective clothing, gloves and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest or inhale. Refer to Material Safety Data Sheet for detailed safety precautions.
6. For industrial/commercial use. Installation by trained personnel only.
7. Refer to PolySpec® CLAD Application Instructions Document for official Application Procedures.

# PolySpec® CLAD

## TECHNICAL DATA SHEET

### Epoxy Underlayment

## BENEFITS

- Moisture resistance for wet spaces
- Provides a tenacious bond to the substrate
- Non-porous resin/matrix that provides long-term protection
- Underlayment is fast curing, reducing down time
- Virtually odorless, high solids product and safe to use
- No minimum or maximum thickness

## RECOMMENDED USES

- Military and shipboard applications
- Underlayment for ceramic tile, epoxy terrazzo or polymeric decking materials
- Normally applied at ¼" to fair and smooth decks prior to finish floor
- Can be used to form integrated cove base

## GENERIC DESCRIPTION

Epoxy Mortar Underlayment

## PACKAGING / COVERAGE

### Primer @ 7 mils

700/710 1 - Gallon Unit / 275 sq. ft

### PolySpec® Clad Underlayment

PolySpec® Clad 5 – Gallon Unit/ 25 sq. ft

### Grout Coat @ 12 mils

700/710 1 - Gallon Unit / 130 sq. f



## SURFACE PREPARATION

**Steel:** For immersion service, “White Metal” abrasive blast with an anchor profile of 2–4 mils in accordance with Steel Structures Painting Council Specification SP-5-63 or NACE No. 1 is required. For splash and spillage exposure, “Near White” SP-10-63 or NACE No. 2 is required.

**Steel:** For steel surfaces, a “Near White Metal” ultra high-pressure wash or abrasive blast with anchor profile of 2–4 mils in accordance with Steel Structures Painting Council Specification SP-10 or NACE No. 2 is required.

**Refer to PolySpec Surface Preparation Guidelines for more details.**

## INSTALLATION STEPS

- 1. Primer/Bond Coat Application:** Mix 700/710 for approximately 1–2 minutes. Scrape sides and bottom of can to ensure complete mixing. Do not turn mixing container over on deck to allow to drain. Apply one coat with brush, short nap roller or squeegee to all surfaces where PolySpec® CLAD is to be applied. Avoid puddles. CLAD should be applied while primer is still wet. Additionally silica sand can be sprinkled into primer coat to provide anchor surface for CLAD application.
- 2. Body Coat Application:** Mix 700/710 thoroughly for approximately 1–2 minutes with a Jiffy mixer. Scrape sides and bottom of can to make sure all components are thoroughly mixed. Pour mixed resin into container. Add 50 lbs. of aggregate and mix approximately 2 minutes until all particles are wet. All components must be used promptly once the curing agent has been added to the resin to avoid having material set up in the container.  
  
Apply one coat of PolySpec® CLAD using standard cement finishing tools. Use low angle lighting to detect trowel marks. Hand trowel to compact, level and smooth finish. Material can be applied to desired thickness, down to feather edge.  
  
Allow material to cure for a minimum of 12 hours or until hard. Knock off any burrs with sander or the edge of a steel trowel. Sweep/vacuum floor clean prior to seal coat application.
- 3. Seal Coat Application:** One or two coats of PolySpec® 700/710 are normally required to achieve desired finish. Workmen should wrap shoes in polyethylene, masking tape or other suitable covering to protect the surface. Mix PolySpec® 700 and 710 material together making sure to stir thoroughly and to scrape the sides and bottom of the container to insure proper mixing. Pour from the mixing container at once to prolong working time.  
  
Apply by brush to base, corners, around piping and other hard to reach areas. For walking surfaces and other accessible flat areas, apply with a red or white rubber squeegee. Then roll out material using a short nap, ¼” roller to remove ridges, lap marks or drops on the surface. **DO NOT OVER SEAL.** A properly sealed surface has all voids filled with sealer uniformly. Allow sealer to cure long enough to walk on, usually 12 to 16 hours depending on the temperature. All epoxy coatings cure faster in warm weather and slower in cold weather.  
  
Avoid contact with water to the surface for 36 hours depending on the temperature. **CAUTION:** Contact with water will cause whitish, cloudy spots if the epoxy is not fully cured.
- 4. Clean tools and equipment** with a suitable solvent such as Isopropyl alcohol (IPA) or xylene and wipe clean immediately after use. Tools that have hardened material on them will require soaking in stripper to remove. Wash hands, arms and face with warm soapy water. For best results, use PolySpec® All Purpose Cleaner, a non-flammable and low-evaporating cleaner. Always wear gloves when using this product.

C / DOC CLAD 04006-1106-TDS

Rev 11/06

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PolySpec, L.P. warrants its products to be free from defects in material and workmanship. PolySpec's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at PolySpec's option, to either replacement of products not conforming to this warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to PolySpec in writing within five days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify PolySpec of such nonconformance as required herein shall bar Buyer from recovery under this warranty.

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