



CERTIFICATE NUMBER

12-HS954488-PDA

DATE

12 December 2012

ABS TECHNICAL OFFICE

Houston SED - Ship Structures

CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of
NABRICO MARINE PRODUCTS - GALLATIN

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

PRODUCT: **Portlights & Fixed Lights**

MODEL: **900-XX**

This Product Design Assessment (PDA) Certificate 12-HS954488-PDA, dated 12/Dec/2012 remains valid until 11/Dec/2017 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING

Tim Kimble

Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

NABRICO MARINE PRODUCTS

DIV. OF TRINITY INDUSTRIES, INC.
1250 GATEWAY DR.
GALLATIN
TN 37066
United States
Telephone: 615-442-1300
Fax: 615-442-1313
Email: nabrico@trin.net

Product: Portlights & Fixed Lights

Model: 900-XX

Intended Service:

Marine & Offshore Application

Description:

Frame & Cover material: Cast Steel, 304 Stainless Steel

Ratings:

- The portlight is to be installed on doors which are designed for a maximum design head of 12.00 m.
- Frame construction is to be made from steel or stainless steel.
- Cover construction is to be made from steel.
- Fixed light clear view size is 8" to 16" diameter.

Service Restrictions:

- 1- No portlight fitted on door is to be fitted in a position with its sill below a line drawn parallel to the bulkhead/freeboard deck at side and having its lowest point 2.5% of the breadth of the vessel above the load waterline (or summer timber load waterline, if assigned), or 500 mm (19.5 in.), whichever is the greater distance. In addition, portlights are not to be fitted in spaces which are used exclusively for the carriage of cargo, SVR 3-2-17/7.3.
- 2- Portlights fitted on doors that lead to spaces below the bulkhead/freeboard deck or to spaces within enclosed superstructures are to be fitted with efficient hinged, inside deadlights arranged so that they can be effectively closed and secured watertight. They are to have strong frames (other than cast iron) and opening-type portlights are to have noncorrosive hinge pins, SVR 3-2-17/7.5.1.

Comments:

- 1- The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
- 2- Glazing is to be Tempered Monolithic.
- 3- The portlights are to be hose-tested after installation on a weather-tight door, and to be hydro-tested after installation on a water-tight door.

Notes / Drawings / Documentation:

Supporting Data:

- Drawing No. 917 Rev. 0, Model 900-16 (SS) Fixed Light w/ Steel Cover;
- Drawing No. 965 Rev. 0, Glass Retaining Ring (Model 900-16 Light);
- Drawing No. 970 Rev. 0, Frame Assembly (SS) Model 900-16 Light;
- Drawing No. 975 Rev. 0, Cover (Steel) Model 900-16 Light.

Term of Validity:

This Product Design Assessment (PDA) Certificate 12-HS954488-PDA, dated 12/Dec/2012 remains valid until 11/Dec/2017 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the

NABRICO MARINE PRODUCTS

DIV. OF TRINITY INDUSTRIES, INC.
1250 GATEWAY DR.
GALLATIN
TN 37066
United States
Telephone: 615-442-1300
Fax: 615-442-1313
Email: nabrico@trin.net

manufacturer and intended client.

STANDARDS

ABS Rules:

2013 Steel Vessels Rules 1-1-4/7.7, 1-1-Appendix 3, 3-2-17/7
2012 Steel Vessels L < 90 m Rules 3-2-14/9

National:

NA

International:

NA

Government Authority:

NA

EUMED:

NA

Others:

None