



# Marine Design Appraisal Document


Lloyd's Register Canada Ltd.  
Toronto Technical Support Office  
5420 North Service Road, Suite 506  
Burlington, ON, L7L 6C7  
Canada

Date  
**27 May 2014**

Please quote the document number on all future communications

## BAIER MARINE - DOORS AND HATCHES

1. The Documents listed in paragraph 1 of the appendix have been examined for compliance with the requirements of Lloyd's Register *Rules and Regulations for the Classification of Ships, July 2013*, Pt. 3, Ch. 11, (the Rules), and have been assigned an appraisal status as indicated.
- 1.1 All materials used in the construction, including steel, stainless steel and aluminium, are to be manufactured by an approved process and tested in accordance with the requirements of Lloyd's Register *Rules for Manufacture, Testing and Certification of Materials* under the supervision of Lloyd's Register's Surveyors. AQS
- 1.2 The manufacturing process is to be in accordance with approved welding procedures, using approved welding consumables and carried out by qualified welders. AQS
- 1.3 All parts to have a clean surface consistent with the method of manufacture and be free from cracks, laps, notches, inclusions and other defects. Hard spots are to be avoided. AQS
- 1.4 Watertight doors are to be hydrostatically tested to the required pressure head. AQS
- 1.5 Weathertight doors and hatches are to be hose tested, after installation onboard, in accordance with the Rules Pt. 3, Ch. 1, 8.3.5, to surveyor's satisfaction. AQS
- 1.6 Hinges of watertight doors are to have elongated holes to allow for gasket compression. Depth stops are to be provided to avoid over-compression of gaskets. AQS

  
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FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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## Appendix

1. The documents listed below have been examined:

Document No.	Rev.	Title	Status	Date
<b>08864-151A</b> Sheet 1-5/5	D	HATCH ASSY, LOW-PRO, 15 x 24 ALUM	A	27-May-2014
<b>08864-151B</b> Sheet 1-5/5	C	HATCH ASSY, LOW-PRO, 15 x 24 STL	A	27-May-2014
---	---	LEVER ACTION (6 DOG) WATERTIGHT DOOR (28" Wide)	A	27-May-2014
---	---	LEVER ACTION (6 DOG) WATERTIGHT DOOR (30" Wide)	A	27-May-2014
<b>06122-101*</b> Sheet 1/7	C	DOOR ASSY, QUICK ACTING (-101C RH/ -101D LH) 26 x 60	A	27-May-2014
<b>06122-101*</b> Sheet 2/7	C	DOOR ASSY, QUICK ACTING (-101E RH/ -101F LH) 30 x 60	A	27-May-2014
<b>06122-101*</b> Sheet 3/7	C	DOOR ASSY, QUICK ACTING (-101G RH/ -101H LH) 30 x 66	A	27-May-2014
<b>06122-101*</b> Sheet 4/7	C	DOOR ASSY, QUICK ACTING (-101I RH/ -101J LH) 30 x 72	A	27-May-2014
<b>06122-101*</b> Sheet 5-7/7	C	---	A	27-May-2014
<b>06121-101*</b> Sheet 1/5	F	DOOR ASSY, Do 6 DOG (-101C RH/ -101D LH) 26 x 60	A	27-May-2014
<b>06121-101*</b> Sheet 2/5	F	DOOR ASSY, Do 6 DOG (-101E RH/ -101F LH) 30 x 60	A	27-May-2014
<b>06121-101*</b> Sheet 3/5	F	DOOR ASSY, Do 6 DOG (-101G RH/ -101H LH) 30 x 66	A	27-May-2014
<b>06121-101*</b> Sheet 4/5	F	DOOR ASSY, Do 6 DOG (-101I RH/ -101J LH) 30 x 72	A	27-May-2014
<b>06121-101*</b> Sheet 5/5	F	---	A	27-May-2014
---	---	DF-615-3030 QAWT ESCAPE HATCH	A	27-May-2014
---	---	DF-615-3336 QAWT ESCAPE HATCH	A	27-May-2014
---	---	DF-615-2424 QAWT ESCAPE HATCH	A	27-May-2014

### Appraisal Status Key:

- A Approved - provided the arrangements are to the surveyor's satisfaction  
 AQS Details to be submitted by the client to the local surveyor's Office responsible for surveying the building and the arrangements verified in accordance with the Rule/Regulations requirements by the surveyor.

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