



# Design Appraisal Document

Lloyd's Register EMEA  
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Date  
**21 September 2016**

Quote this reference on all future communications  
**ABN1690040/DS/O-34445**

CLIENT: OFFSHORE MARINE CONTRACTORS INC.  
PROJECT: MARINE DYNAMICS CLASS 215 LIFTBOAT  
SUBJECT: CANTILEVER LOCKING STRUCTURE

1. The documents listed in the Appendix have been examined for compliance with the **Rules & Regulations for the Classification of Offshore Units, July 2016** and have been assigned the status as indicated.
2. Conditions of Acceptance
  - 2.1 The cantilever locking structure has been examined based on the OMC-120T-CANT-001 cantilever and a resultant load on each connecting can, not exceeding 50,000lbs (equivalent to 240,000lbs load applied at 44 feet from the connecting can centre to the point of load application).
  - 2.2 Materials, welds, alignment of locking structure connecting parts and the results of NDE are to be to the satisfaction of the attending surveyor.

In preparing this report, the undersigned surveyor is acting as an independent person in accordance with the applicable policy on conflict of interests.

David Stentiford  
September 21, 2016  
Aberdeen Office  
Floating Structures  
  
Lloyd's Register EMEA

LR032.2013.12

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Appendix

Document No.	Rev.	Title	Status	Ref.
FEMALE FITTINGS SS01	0	OMC – 120T CANTILEVER PINNING – FEMALE FITTING	AC	2.1, 2.2
FEMALE COUPLING SS02	0	OMC – 120T CANTILEVER PINNING – FEMALE COUPLING	AC	2.1, 2.2
CONNECTION PLATES SS03	0	OMC – 120T CANTILEVER PINNING – CONNECTION PLATE ASSY	AC	2.1, 2.2
SUB-DECK BRACKET	0	OMC – 120T CANTILEVER PINNING – SUB-DECK BRACKET	AC	2.1, 2.2
--	--	STRESS ANALYSIS REPORT – CONNECTION PLATES	RI	
--	--	Email R. Riggs (MARINE DYNAMICS) D. Stentiford (LR), 7/9/2016 SUBJECT – OFFPLANE LOADING	RI	
--	--	Email R. Riggs (MARINE DYNAMICS) D. Stentiford (LR), 9/9/2016 SUBJECT – SUB DECK ANALYSIS	RI	

Appraisal Status Key

AC Approved/Accepted with conditions  
RI Retained as supporting documentation for information only