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Version:

Final Design Deliverable

Project ID

LAN2500014

Asset

Closing appliances (Hatch Covers)

Client contact

Raymond Call

LR Disciplines

Hull

Client

Universal Motion Components Co., LLC

Service

Component Approval

LR Project Manager

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Gdansk Service Delivery Office

LR TSO Engineer

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The documents listed in this FDD have been reviewed for compliance with the Lloyd's Register Rules and Regulations for the Classification of Ships, January 2024 edition, from the perspective of hull structural aspects only. This appraisal is based on the assumption that no specific information regarding the intended vessel was provided, and the appraisal status has been assigned accordingly as indicated below:-

This Final Design Deliverable was generated from the Digital Workbench on 06 October 2025 07:51 UTC.

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Documents

Number	Name	Revision	Status	Status Update
02570-101SH	HATCH, RAISED 15 X 23 SS HW HANDLE	С	Approved	06 Oct 2025 07:42
02590-101SH	HATCH, FLUSH-HANDLE 15 x 23 SS HDW (503)	Α	Approved	06 Oct 2025 07:43
ATS-3733210-H-001	Marine Design Appraisal Document	-	Not Required	06 Oct 2025 07:14

Document Comments

	Number	Name	Revision	LR Discipline	Status
013 AQS	02590-101SH	HATCH, FLUSH-HANDLE 15 x 23 SS HDW (503)	А	Hull	Client Response
	02570-101SH	HATCH, RAISED 15 X 23 SS HW HANDLE	С		
Under no cir	cumstances shall the	deck plate thickness exceed that of the hatch cover plate on whi	ch the hatch is intended t	to be installed.	
012 AQS	02570-101SH	HATCH, RAISED 15 X 23 SS HW HANDLE	С	Hull	Client Response
Hatch coami	ing is not covered in th	nis appraisal. It is to be as per Vessel's approved hatch arrangem	ent plan.		
Hatti Coaiii			•		
	=	bility to ensure hatch coming size should be as per the LR's rules	•	g to it's location and a	application.
This shall be	=		•	g to it's location and a	application. Client Response
	the builder's responsi	bility to ensure hatch coming size should be as per the LR's rules	and regulation according		··
This shall be	the builder's responsi 02590-101SH 02570-101SH	bility to ensure hatch coming size should be as per the LR's rules HATCH, FLUSH-HANDLE 15 x 23 SS HDW (503)	and regulation according A C	Hull	··
This shall be	the builder's responsi 02590-101SH 02570-101SH	bility to ensure hatch coming size should be as per the LR's rules HATCH, FLUSH-HANDLE 15 x 23 SS HDW (503) HATCH, RAISED 15 X 23 SS HW HANDLE	and regulation according A C	Hull	··

009 INFO	02590-101SH	HATCH, FLUSH-HANDLE 15 x 23 SS HDW (503)	Α	Hull	Client Response
	02570-101SH	HATCH, RAISED 15 X 23 SS HW HANDLE	С		
	rial is to be suitable f with National/Interna	for the intended service under marine conditions and shall protional Standards.	vide the required sea	ling properties when	n the hatch is closed weatherti
his shall be	the responsibility of t	he Builder.			
008 INFO	02590-101SH	HATCH, FLUSH-HANDLE 15 x 23 SS HDW (503)	А	Hull	Client Response
	02570-101SH	HATCH, RAISED 15 X 23 SS HW HANDLE	С		
his appraisa	al does not covers Stat	cutory and fire & safety aspects.			
ocation of t L0t/m2.	he hatch is not covere	d in this appraisal and shall be as per vessel's approved hatch arr	angement plan. unde	r no circumstances co	onsidered deck load should exce
107 AQS	02590-101SH	HATCH, FLUSH-HANDLE 15 x 23 SS HDW (503)	Α	Hull	Client Response
007 AQS	02590-101SH 02570-101SH	HATCH, FLUSH-HANDLE 15 x 23 SS HDW (503) HATCH, RAISED 15 X 23 SS HW HANDLE	A C	Hull	Client Response
Γhe hatches	02570-101SH which are categorized		С		·
	02570-101SH which are categorized	HATCH, RAISED 15 X 23 SS HW HANDLE	С		·
The hatches and regulation	02570-101SH which are categorized	HATCH, RAISED 15 X 23 SS HW HANDLE d as weathertight, are to be confirmed as weathertight from on	C e sides with appropria	ate test procedures a	adhering to Lloyd's Register's ru
The hatches and regulation 1006 INFO	02570-101SH which are categorized ons. 02590-101SH 02570-101SH	HATCH, RAISED 15 X 23 SS HW HANDLE d as weathertight, are to be confirmed as weathertight from on HATCH, FLUSH-HANDLE 15 x 23 SS HDW (503)	C e sides with appropria A C	ate test procedures a	adhering to Lloyd's Register's ru Client Response
The hatches and regulation 1906 INFO	02570-101SH which are categorized ons. 02590-101SH 02570-101SH	HATCH, RAISED 15 X 23 SS HW HANDLE d as weathertight, are to be confirmed as weathertight from on HATCH, FLUSH-HANDLE 15 x 23 SS HDW (503) HATCH, RAISED 15 X 23 SS HW HANDLE	C e sides with appropria A C	ate test procedures a	adhering to Lloyd's Register's ru Client Response
The hatches and regulation 1006 INFO	02570-101SH which are categorized ons. 02590-101SH 02570-101SH e, the scantlings of the	HATCH, RAISED 15 X 23 SS HW HANDLE d as weathertight, are to be confirmed as weathertight from on HATCH, FLUSH-HANDLE 15 x 23 SS HDW (503) HATCH, RAISED 15 X 23 SS HW HANDLE se hatches have been evaluated based on the assumption that the	C e sides with appropria A C the permissible load d	Hull oes not exceed 10 t/	edhering to Lloyd's Register's ru Client Response 'm2.
The hatches and regulation of the control of the co	02570-101SH which are categorized ons. 02590-101SH 02570-101SH e, the scantlings of the 02590-101SH 02570-101SH 02570-101SH all encompasses the i	HATCH, RAISED 15 X 23 SS HW HANDLE d as weathertight, are to be confirmed as weathertight from on HATCH, FLUSH-HANDLE 15 x 23 SS HDW (503) HATCH, RAISED 15 X 23 SS HW HANDLE se hatches have been evaluated based on the assumption that the HATCH, FLUSH-HANDLE 15 x 23 SS HDW (503)	C e sides with appropria A C the permissible load d A C	Hull Hull Hull Hull	Client Response Client Response Client Response

It is not concerned with any other fittings, appliances, details or general finish which may be specifically desired or specified by an Owner but nor required by Lloyd's Register

Rules.

003 INFO 02570-101SH HATCH, RAISED 15 X 23 SS HW HANDLE C Hull Client Response

Classification is depended upon and covers only the standard of construction, materials and workmanship of the hull and machinery and their essential appliances as prescribed by Lloyd's Register Rules and Regulation and requirements.

It is not concerned with any other fittings, appliances, details or general finish which may be specifically desired or specified by an Owner but nor required by Lloyd's Register Rules.

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