CROSSWIND

TECHNICAL QUERY
Hollandse Kust Noord

No. TQ :	CW-BALL-TQ-0009	Rev:	B

Originating Party	CrossWind					
Subject	Lighting and small cable trays fixing on Fuel Cell container					
Author	Stephen Bremner	TQ Aconex unique number: CWHKN-INN-BPH-TQ-00046				
Interface TQ - from	Rosetti	TQ interface source Aconex unique number: ROSMA-INN-BPH-TQ-00089				
Type	Query		X	Interface		
	Deviation			Derogation (SHALL[PS])		
	Note: No deviations nor derogations which have an adverse effect on HSSE will be granted					
Workpackage						
Area(s) of application	Design & Eng.	x	Procurement		Construction	
	Commissioning		Operations		Other	
Issue date	28-03-2024		Urgent reply 5 days	X	Routine reply 10 days	
Close-out date						
Closed-out by			TQ status:		Closed-out	

1. Description

Reference documents / Aconex unique numbers:
Attachment 1 - S-BT-HL-Data-Sheet-Technical-information

Attachment 1 - S-BT-HL-Data-Sheet-

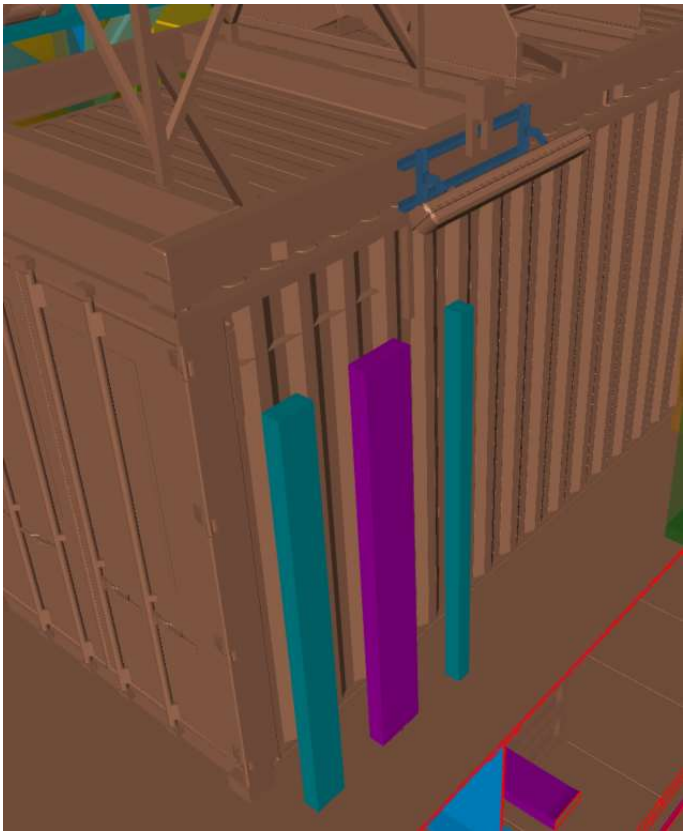
Contractor kindly asks the authorization for supporting lighting lamps and/or lightweight items and related small cable ways on Fuel Cell container, as shown in the below snapshot.

The items will be fixed on container by means of Hilti threaded studs.

Furthermore, Contractor asks to confirm whether container structure has a thickness equal or higher than 6 mm.

For a better understanding, please look at the attached threaded studs datasheet.

This communication is issued for the recipient's information and to facilitate the obligations of the Parties under the Contract. This communication has no authority to amend or vary the Contract nor relieve either Party of any duties, obligations or responsibilities.



2. Response

Reference documents / Aconex unique numbers

Ballard is unable to accommodate the request.

The TQ is phrased as a blanket permission to drill and otherwise modify the container and frame. The drilling, modification, and attachment of items to the structural frame of the coolant skid and container may impact the structural strength of the frame and is highly likely to impact the integrity of the protective coating.

If this issue was raised at an earlier point, Ballard could have provided pre-installed C-beams for RM to install needed items.

As a suggestion, for cable trays to the interface point, the trays can be supported between the container interconnect bridge and the floor plating without any drilling or otherwise modification of the container structure.

We are willing to participate in an online workshop to further understand RM desires regarding attachment of lighting, cable ladders and other small items.

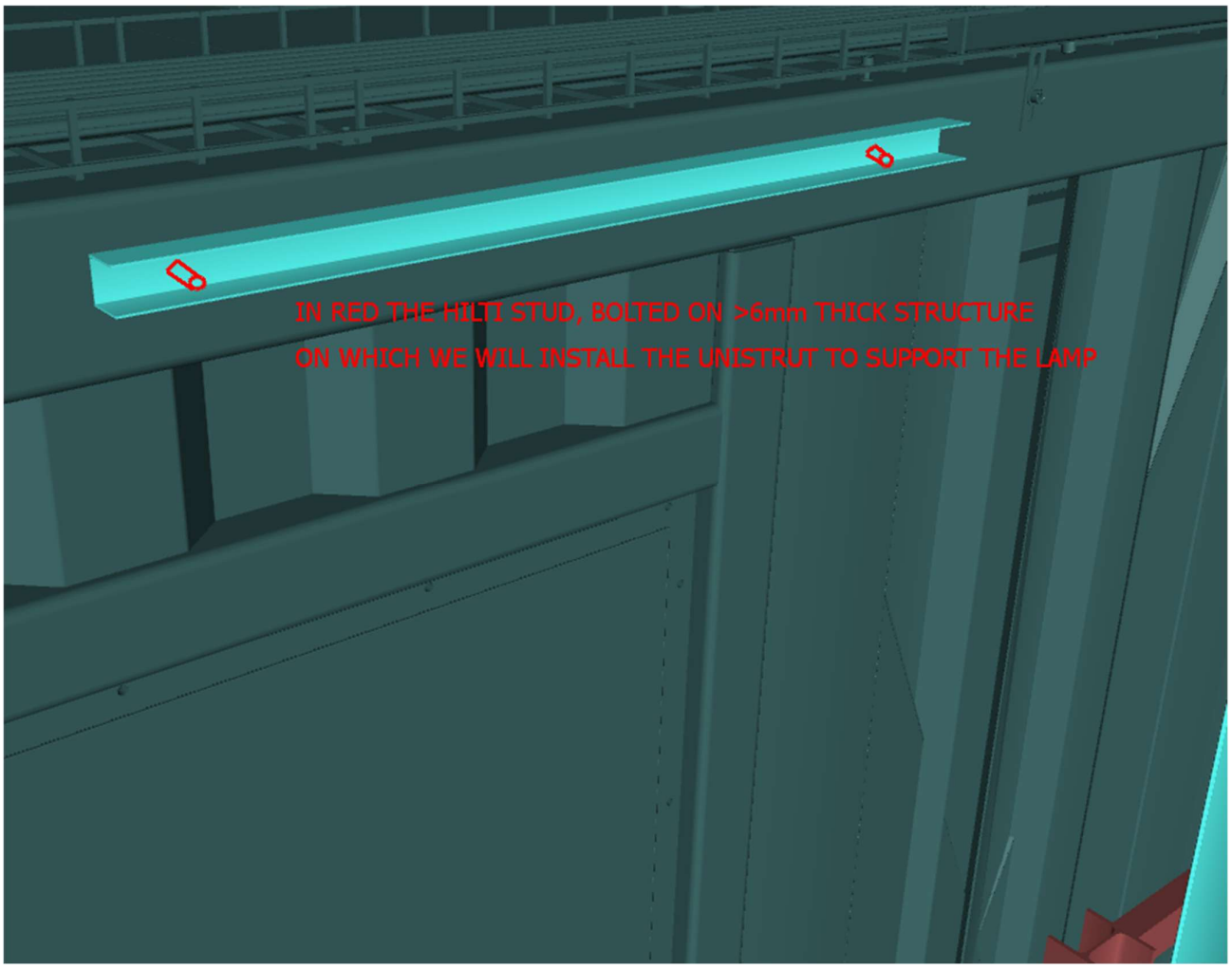
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3. CTR Response (R01)

Reference documents / Aconex unique numbers

Fuel Cell - item fixing details.zip

Contractor attaches to this TQ reply the zip file with the location of the fixing point required, here below the snapshot relating the installation method for fixing the Unistrut on Vendor structure through Hilti threaded studs; on this Unistrut RM will fix the lamp or cable way.



Contractor kindly asks to acknowledge the requirement.

4. Response

Reference documents / Aconex unique numbers

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