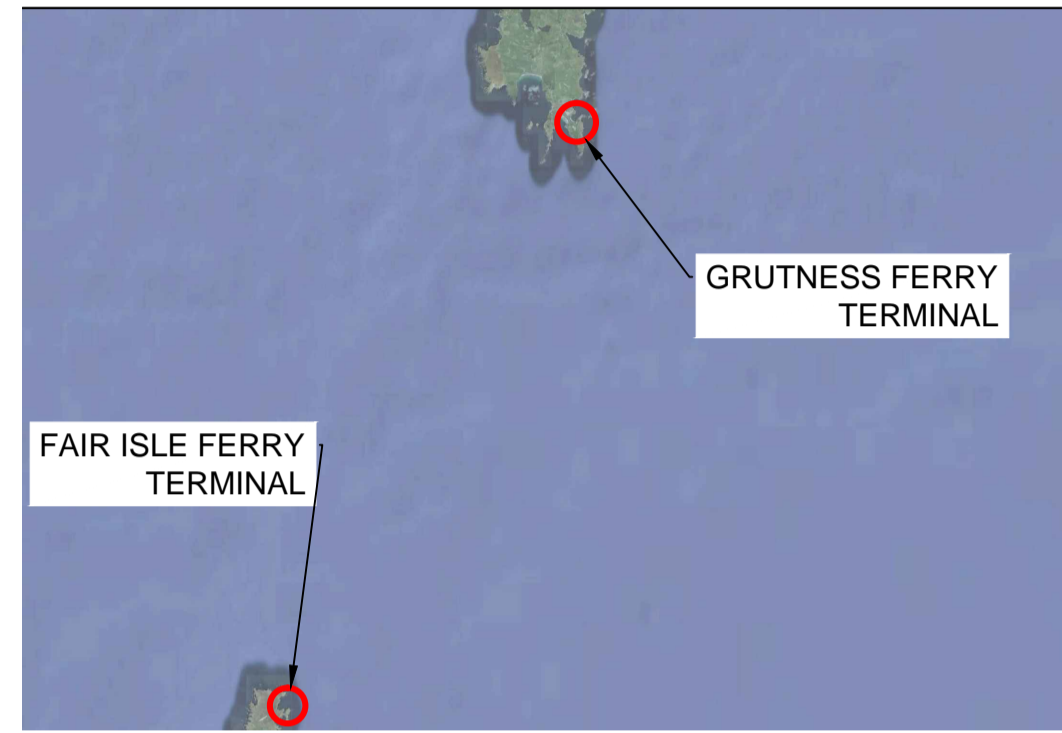




FAIR ISLE

NTS



GRUTNESS FERRY TERMINAL

FAIR ISLE FERRY TERMINAL

NTS

1) CURRENT CONDITION

1.1	Current Main Vessel	MV GOOD SHEPHERD IV Size: • Loa = 18 m • Beam = 6 m • Draught = 2.63 m Capacity: • 12 passengers • 1 PCU
1.2	Breakwater	Rubble mound 175m long
1.3	Ferry Berth	• 60 m long concrete quay • Slipway cradle to remove vessel from water when rough weather is expected.
1.4	Linkspan	None
1.5	Parking/waiting area	None dedicated
1.6	Facilities	None



Scale approx. 1:2500

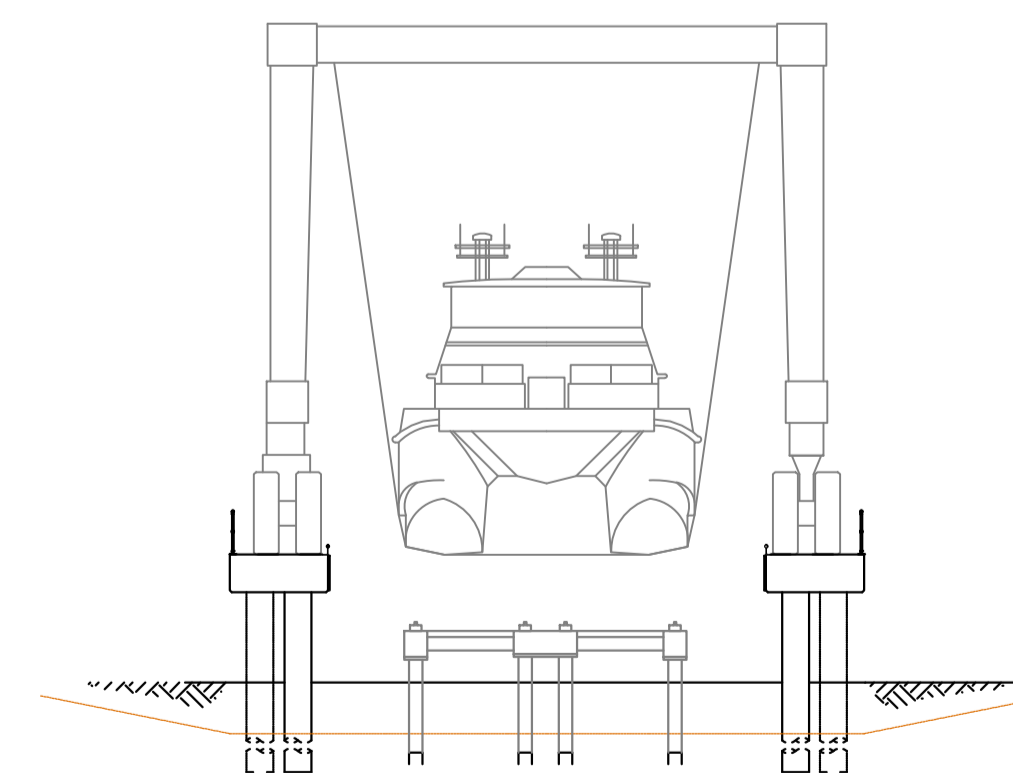
2) RO-RO VESSEL OPTION

Terminal upgrades

2.1	Vessel	Specific vessel Catamaran type: • Loa = 20-22 m • Beam = 6 m • Draught = 1.5 m Capacity: • 12 passengers • 6 PCU
2.2	RoRo ramp	Provide the quay with a hard ramp (block). See note 7. Please note that the block arrangement is suitable for operations under a specific tide level range and under calm conditions.
2.3	Slipway	• Extension of the current slipway cradle to allow for a 70 t deadweight vessel (see note 7). • Additional power required could be provided with the use of a generator. • If complete replacement of the slipway is required, it is recommended to evaluate the use of a boat hoist.



Scale approx. 1:1000



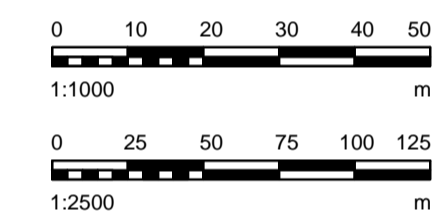
Boat Hoist Indicative Section
NTS

NOTES:

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6. BED LEVELS FROM ADMIRALTY CHART 3299 PLANS IN THE SHETLAND ISLANDS.
7. ALL STRUCTURES REQUIRE FURTHER ASSESSMENT TO ESTABLISH NECESSARY REPAIRS/STRENGTHEN WORKS OR COMPLETE REPLACEMENT TO COMPLY WITH A 30 YEARS SERVICE LIFE.

SHETLAND TIDAL LEVELS

LOCATION	MHWS	MHWN	MLWN	MLWS
Fair Isle	2.2	1.7	1.0	0.6



ORIGINAL DIMENSION 90mm

Reference Drawings:

B	14/06/16	PBA comments
A	22/04/16	Minor corrections
Rev	Date	Details

Client:



Project:
SHETLAND INTER-ISLAND TRANSPORT STUDY

Title:
FAIR ISLE OPTIONEERING



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Status:	FOR DISCUSSION	Scale at A1 Original:	AS SHOWN
Drawn:	DP	Checked:	GR
Date:	22/03/16	Revision:	B
Drawing Number:	1537-01-201		