



Customer: Transocean  
Customer Ref. No.: 15600008368

Document Name: Non-Destructive Test Drawings

Facility or Main Tag: 341-BC7210  
Equipment Name: Direct Lift Bridge Crane

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Status code	
	1 – Accepted
	2 – Accepted w/comments incorporated
	3 – Not accepted, revise and re-submit
	4 – Issued for information
	5 – Interface frozen
Date : _____	
Sign.: _____	

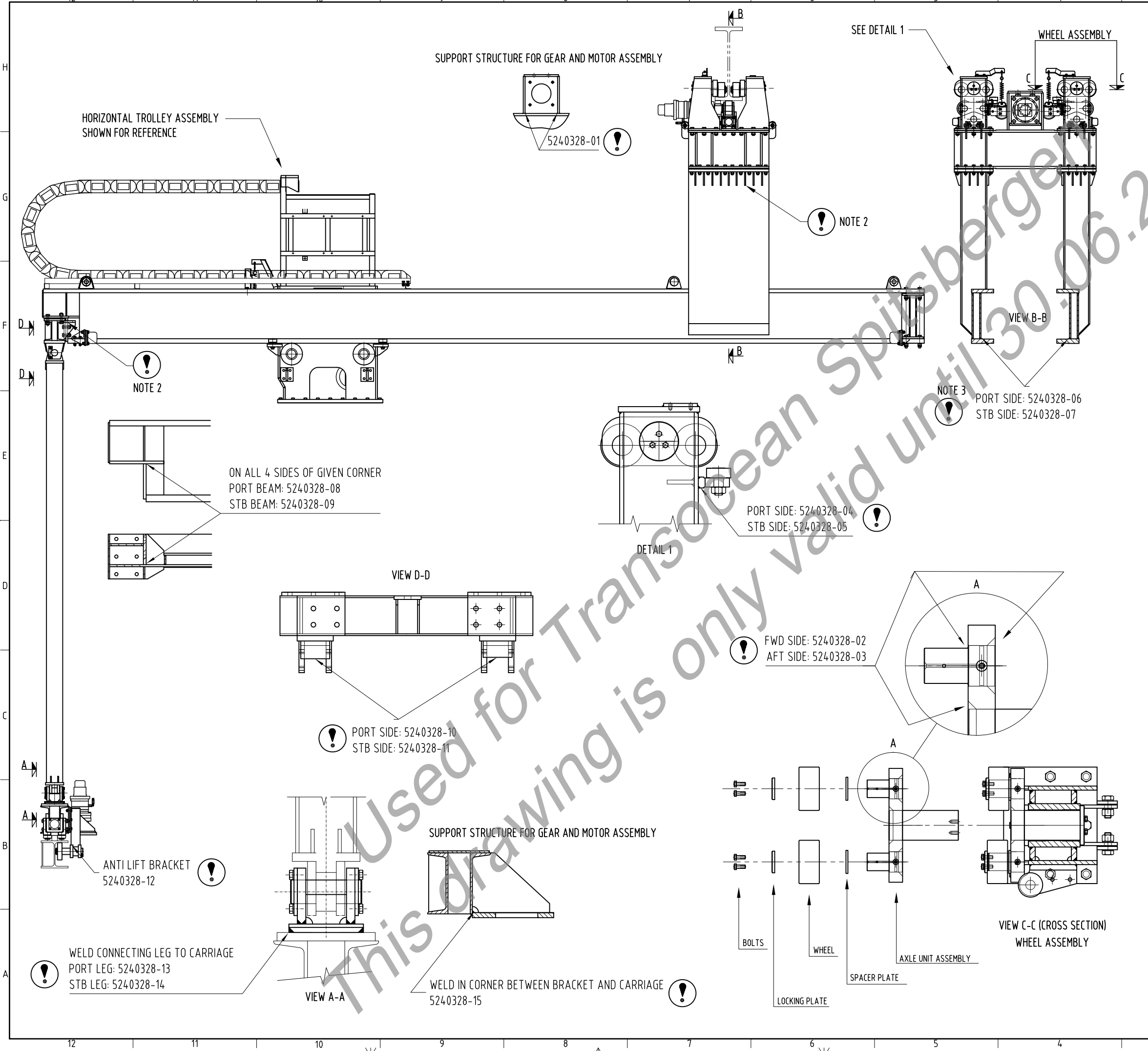
HMH Doc. no.: 2000000001721  
Information Type: XW01 - Non-Destructive Test Drawings  
Product Code: BC72 - Direct Lift Bridge Crane  
Revision 00| June 14, 2024



Non-Destructive Test Drawings  
Direct Lift Bridge Crane

Revision History

Rev.	Change reference (SO or project no/name)	Section	Description of change	Date
00	4605790 TO Spitsbergen		First issue	June 14, 2024



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Tolerances except as noted: Welding and Materials except as noted:

Rev.	Description of revision	Chk.	Appr.	Date / Sign.
01	ISSUED FOR INFORMATION	THA	RB	22 MAR 2012/TH

**REGULATORY REQUIREMENTS**

EQUIPMENT	CATEGORY DNV OS	E101	CLASS I / CATEGORY I
INSP.	CATEGORY API RP8B, API RP9B		CATEGORY IV
SURVERY ARRANGEMENT	DNV OSS 101		RENEWAL
FUNCTION TEST			NOT APPLICABLE
NDE (Non destructive examination)			APPLICABLE
LOAD TEST			NOT APPLICABLE
PRESSURE TEST			NOT APPLICABLE
LEAK TEST			NOT APPLICABLE
CONDITION MONITORING			NOT APPLICABLE

THIS DRAWING IDENTIFIES CRITICAL LOAD BEARING COMPONENTS / AREAS BASED ON AN ANALYSIS OF THE EQUIPMENT'S MAIN LOAD PATH, FATIGUE EXPOSURE AND INDUSTRY BEST PRACTICE.

THE RECOMMENDED SCOPE IS IN COMPLIANCE WITH THE FOLLOWING STANDARDS:

- API RP 8B
- DNV-OSS-101
- ABS GUIDE FOR THE CLASSIFICATION OF DRILLING SYSTEMS

AREAS MARKED WITH SHALL BE CHECKED BY USE OF ADEQUATE INSPECTION METHODS AS FOLLOWS:

- MAGNETIC PARTICLE TESTING (MT) / MAGNETIC PARTICAL INSPECTION (MPI)
- PENETRANT TESTING (PT)
- ELECTROMAGNETIC TESTING (ET)

MPI MUST NOT BE USED ON NON-FERROMAGNETIC MATERIALS. THIS COULD CAUSE FAULSE CRACK INDICATIONS. PENETRANT TESTING ALWAYS TO BE USED ON NON-FERROMAGNETIC MATERIALS.

CRITERIA:

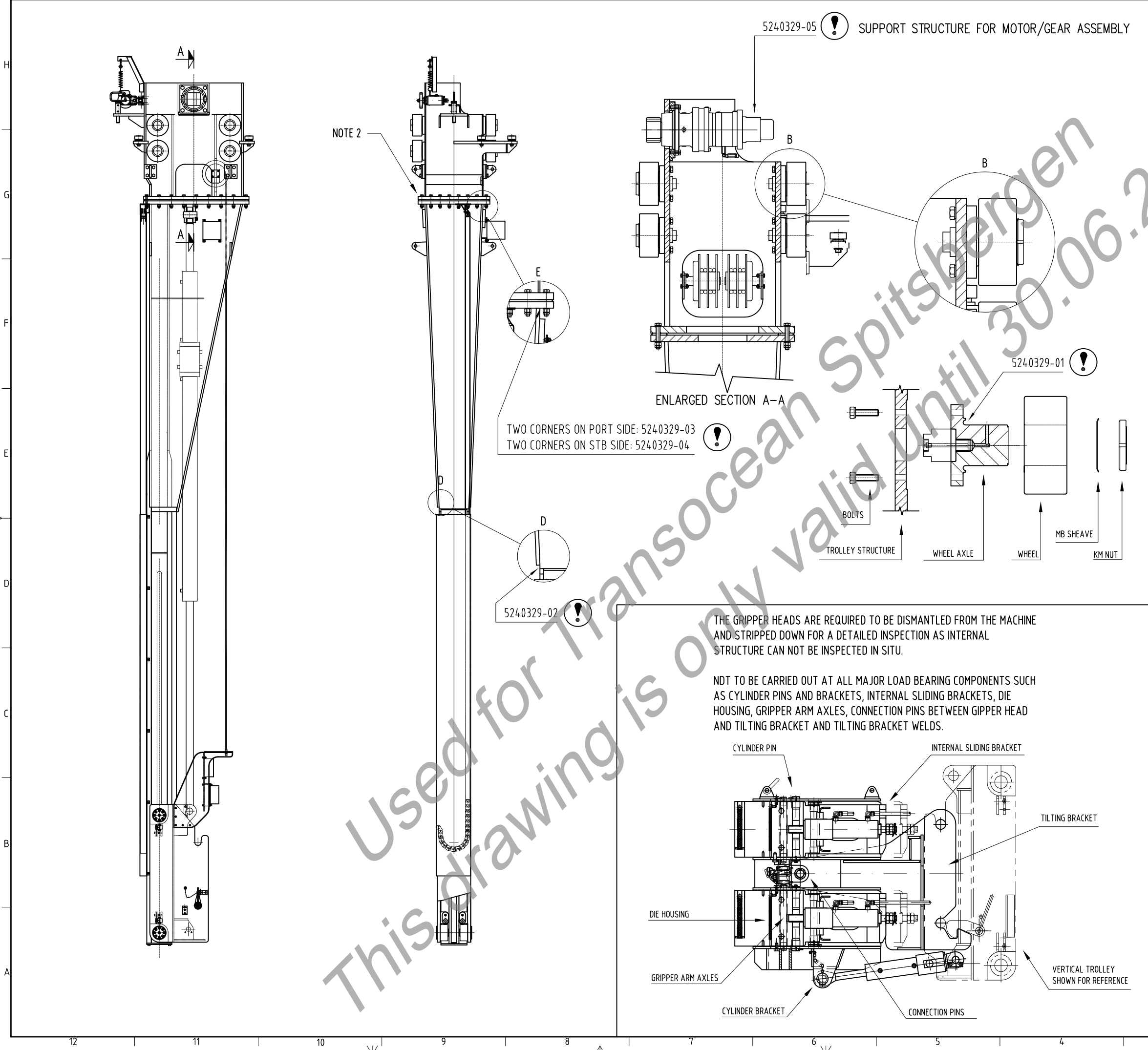
- THE INSPECTOR SHALL BE CERTIFIED ACCORDING TO A RECOGNIZED NDE CERTIFICATION PROGRAM OR STANDARD.
- ADDITIONAL COMPONENTS / AREAS AS CONSIDERED NECESSARY BY THE INSPECTOR SHALL BE CHECKED (NOT LIMITED TO THE RECOMMENDED SCOPE)
- ALL COMPONENTS WITH DEFECTS OR CRACKS SHALL BE REPAIRED (IF POSSIBLE) OR REPLACED.
- AKER MH TO BE CONTACTED FOR QUESTIONS OR DOUBTS.

NOTES:

1. EACH AREA IS IDENTIFIED WITH DRAWING NUMBER + DIGITS 01, 02, 03, ETC.
2. PERFORM A CLOSE UP INSPECTION OF BOLTS AND CONDUCT A TORQUE CHECK OF 30% OF THE BOLT GROUP.
3. NDT OF RAIL WELDS TO BE CARRIED OUT AT THE AREA IN FRONT OF CHUTE AND DRILL COLLAR ROWS.

Date	22 MAR 2012	Drawn	TH	Traced		Scale	1:20	<b>Aker Solutions</b> Aker MH AS
Checked	THA	Approved	RB	Projection				
BRIDGE CRANE, BC72 PIVOT LEG, CARRIAGES AND BRIDGE BEAMS NDT INSPECTION								

Replaces	Replaced by
Format	Drawing number
A1	5240328
Rev.	01



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CRITERIA:

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THA	RB	

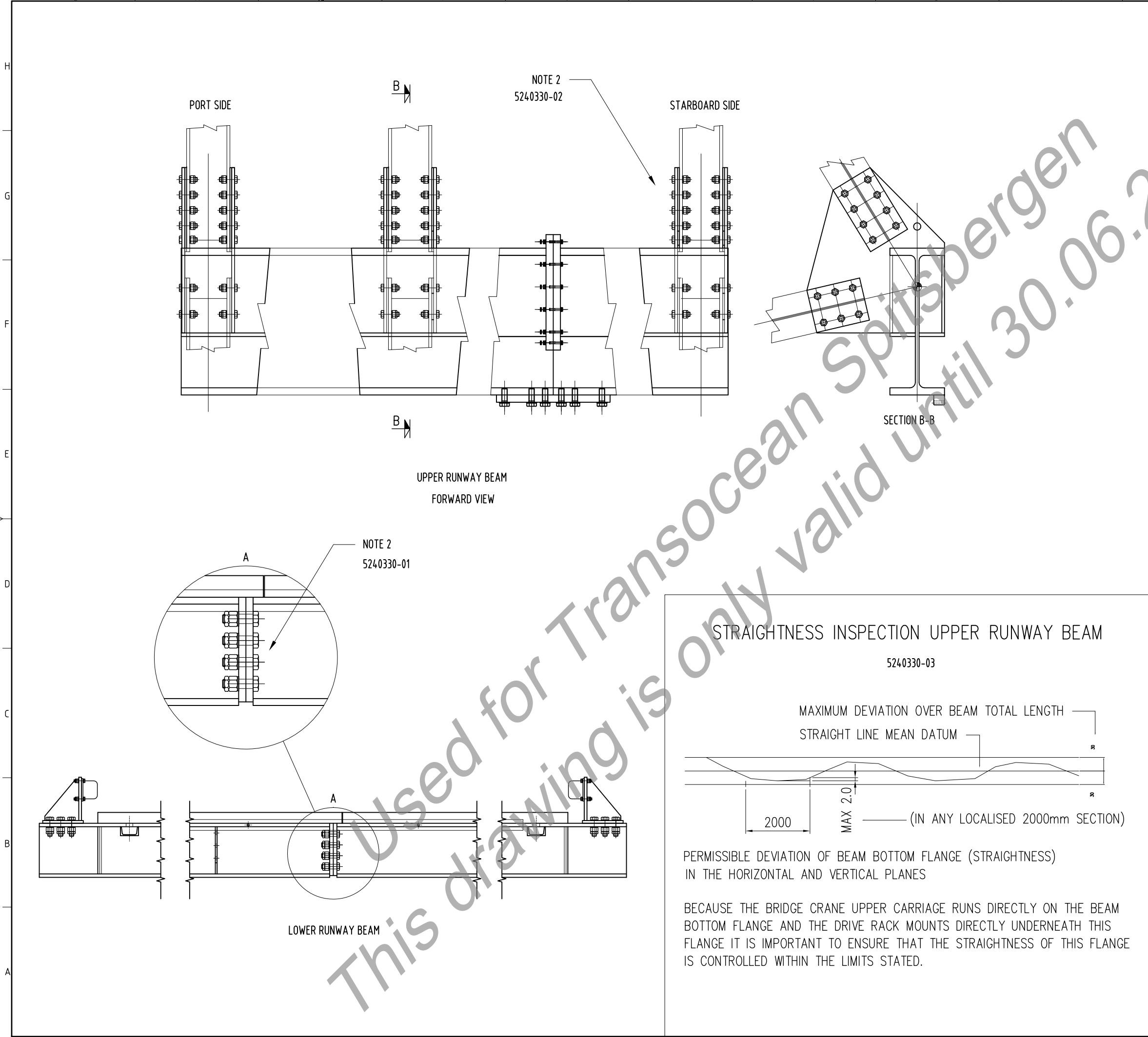
**AkerSolutions**  
Aker MH AS




Replaces: Replaced by:

Format: Drawing number: Rev.

A1 5240329 01

BRIDGE CRANE, BC72  
HORIZONTAL TROLLEY AND GRIPPER HEAD  
NDT INSPECTION



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01	ISSUED FOR INFORMATION	THA	RB	22 MAR 2012/TH	
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INSP. CATEGORY API RP8B, API RP9B		CATEGORY IV			
SURVERY ARRANGEMENT DNV OSS 101		RENEWAL			
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Date 22 MAR 2012	Drawn TH	Traced	Scale 1:20	 Aker MH AS	
Checked THA	Approved RB	Projection 			
BRIDGE CRANE, BC72 UPPER AND LOWER RUNWAY BEAM NDT INSPECTION				Replaces	Replaced by
Format A1		Drawing number 5240330		Rev. 01	