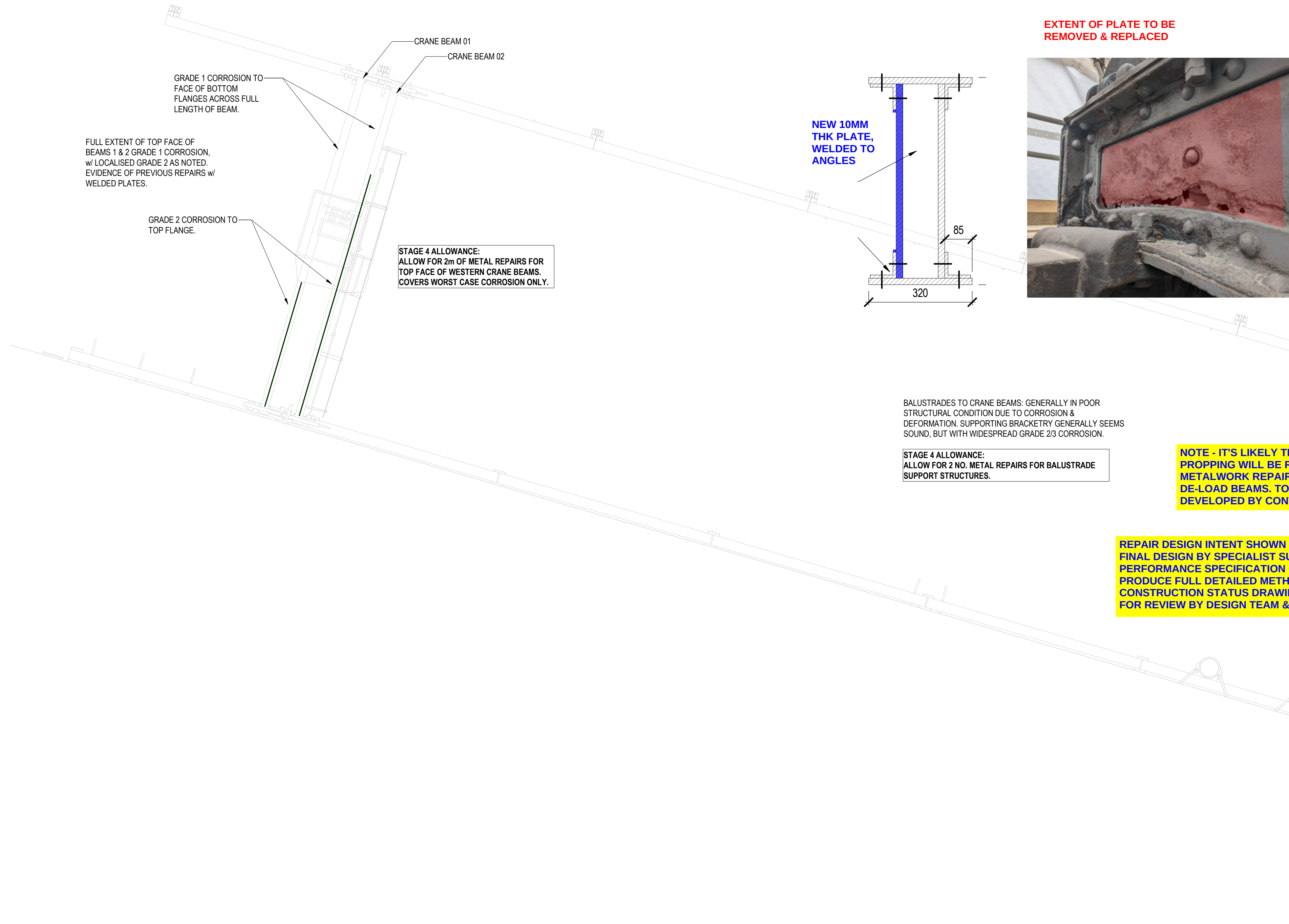
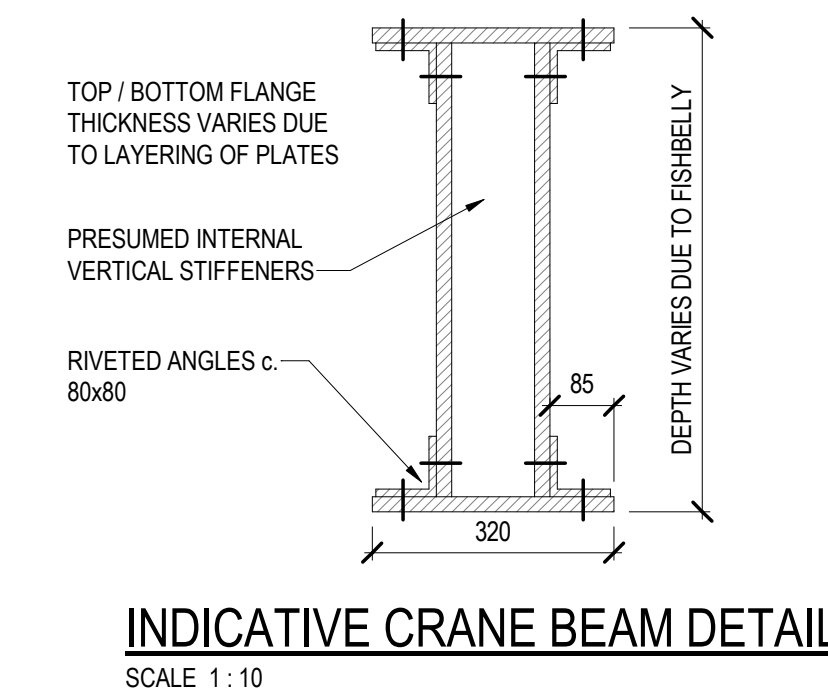
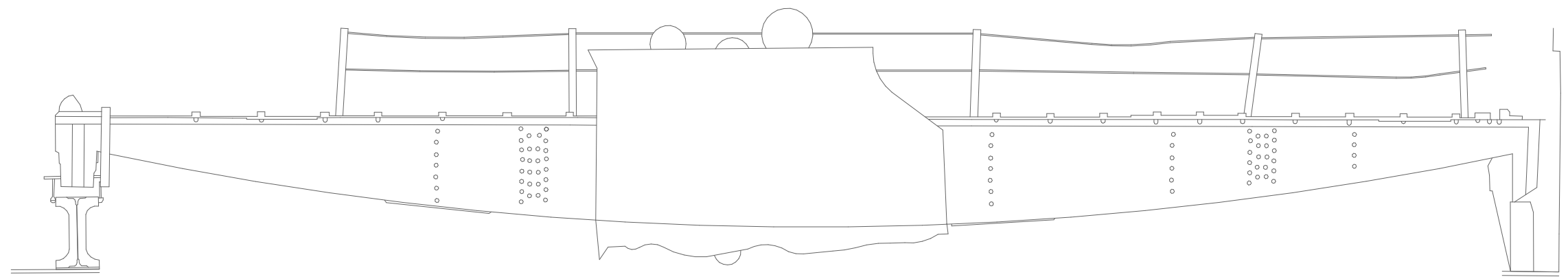




- STAGE 4 COSTING NOTES:**
1. ALLOWANCE IS TO BE MADE FOR THE FULL GANTRY STRUCTURE TO BE BLAST CLEANED BACK TO BARE METAL PRIOR TO PAINTING. AS EXISTING PAINT IS UNDERSTOOD TO INCLUDE LEAD THIS WILL REQUIRE SIGNIFICANT TEMPORARY WORKS IN THE FORM OF FULL TENTING & PPE. CONTRACTOR TO DEVELOP PROPOSAL.
 2. CARRYING OUT BLASTING & REPAIR WORKS WILL REQUIRE FULL ACCESS TO THE GANTRY. ALLOWANCE SHOULD BE MADE FOR FULL SCAFFOLDING OF GANTRY.
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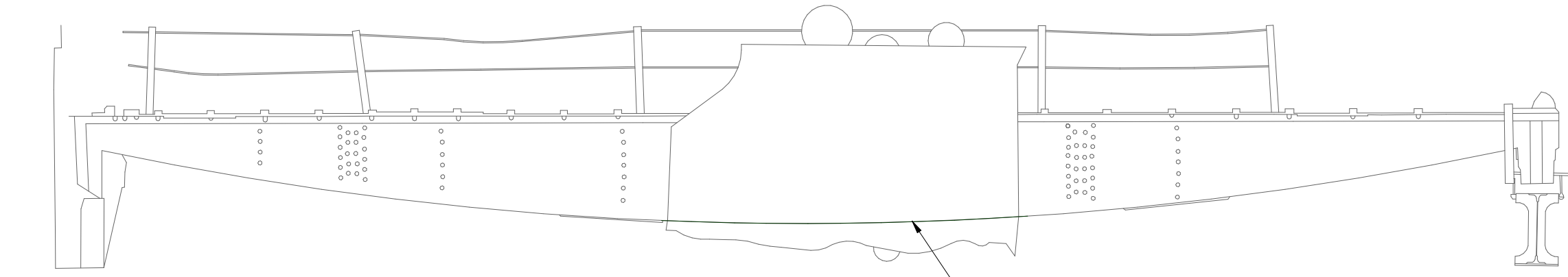


- REPAIR 1**
- ISSUE: CORROSION TO TOP FLANGE OF CRANE BEAMS, MOST NOTABLY TO THE RIVETS WHICH CONNECT THE COMPOUND SECTION TOGETHER. THE TOP FLANGE PLATE IS JUDGED TO HAVE ADEQUATE THICKNESS REMAINING, BUT RIVETS ARE JUDGED TO BE NON-FUNCTIONING WHERE CORRODED.
- REPAIR INTENT: ALL HEAVILY CORRODED RIVETS TO BE REMOVED & REPLACED WITH GRADE 8.8 DOME-HEADED BOLTS. DOME HEAD TO BE PLACED ON UNDERSIDE OF FLANGE, WITH NUT ON TOP FACE. ALLOW FOR RIVET HEADS TO BE CUT OFF, RIVET SHANK TO BE KNOCKED/DRILLED OUT, AND NEW BOLT INSTALLED. CONTRACTOR TO DETERMINE NUMBER OF RIVETS TO BE REPLACED ON SITE. BOLT SIZE TO MATCH EXISTING RIVETS.



CRANE BEAM 01 O/S FACE

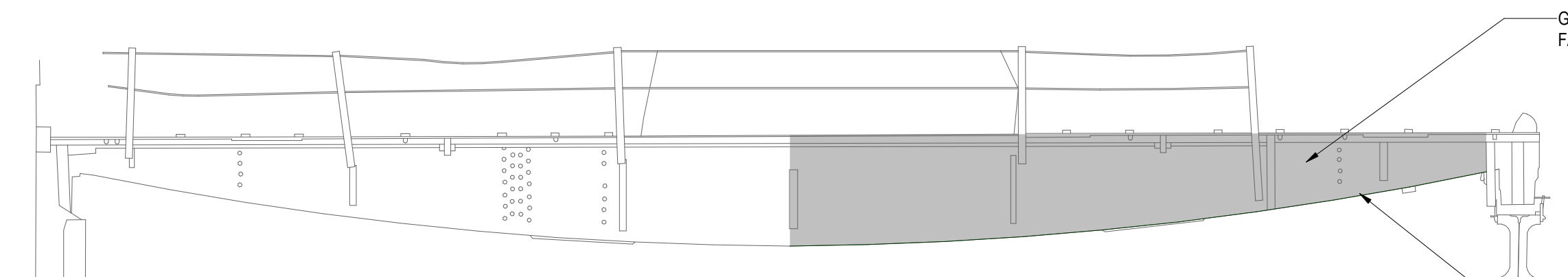
SCALE 1: 50



CRANE BEAM 01 I/S FACE

SCALE 1: 50

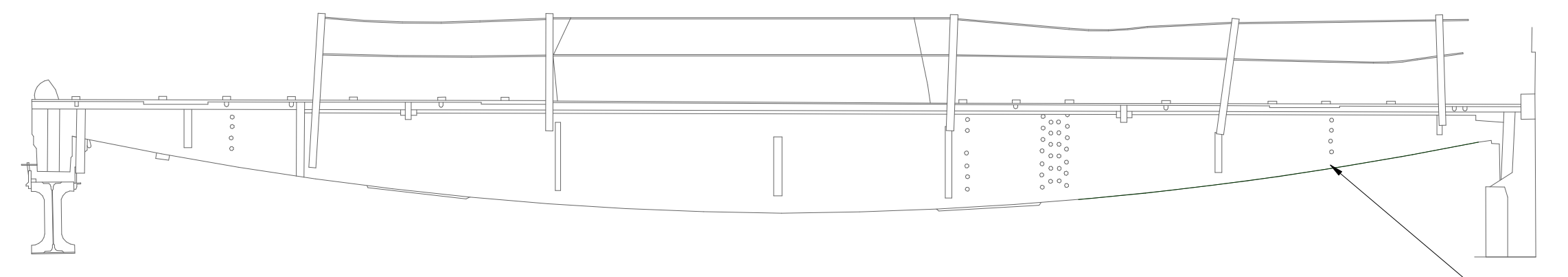
GRADE 2 CORROSION AT BOTTOM OF WEB / ANGLE TO FLANGE. PREVIOUS WELDED PLATE REPAIRS.



GRADE 1/2 CORROSION TO FACE OF BEAM AS SHOWN.

CRANE BEAM 02 O/S FACE

SCALE 1: 50

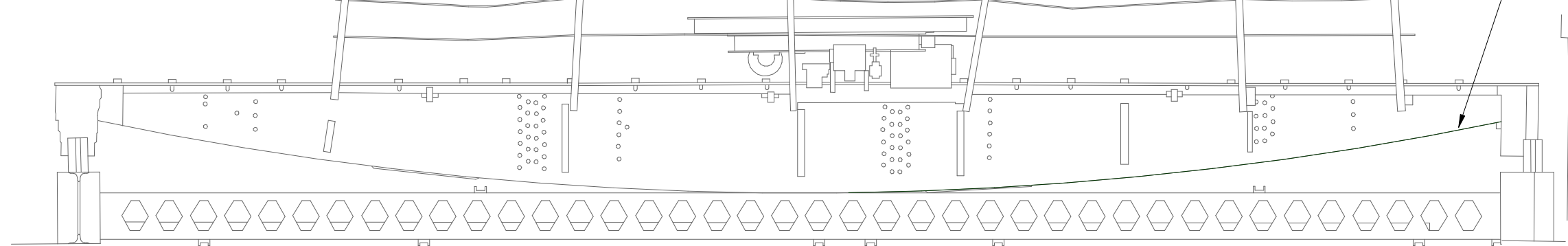


GRADE 2 CORROSION AT BOTTOM OF WEB / ANGLE TO FLANGE. PREVIOUS WELDED PLATE REPAIRS.

CRANE BEAM 02 I/S FACE

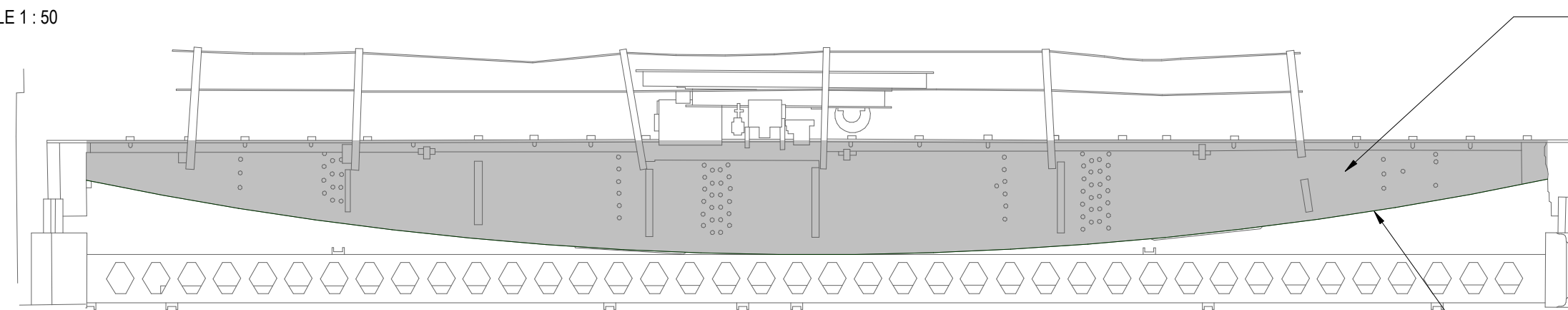
SCALE 1: 50

GRADE 2 CORROSION AT BOTTOM OF WEB / ANGLE TO FLANGE. PREVIOUS WELDED PLATE REPAIRS.



CRANE BEAM 03 O/S FACE

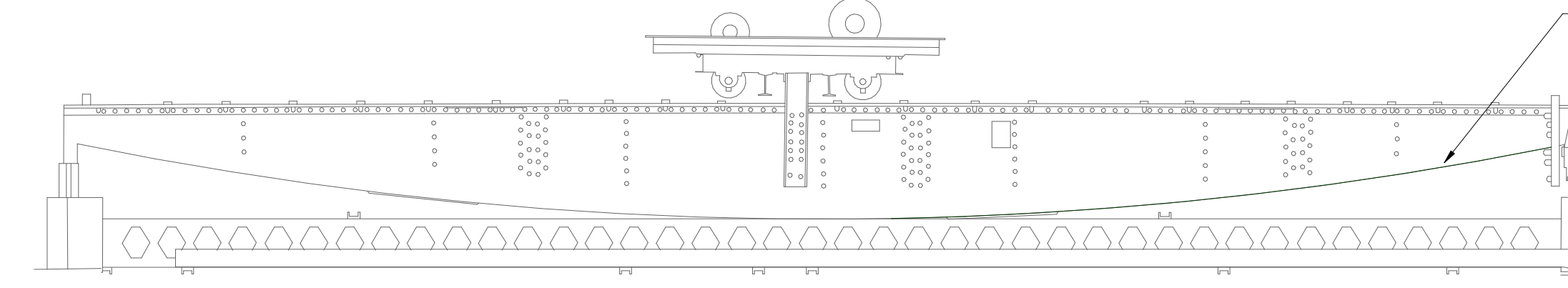
SCALE 1: 50



GRADE 1/2 CORROSION AT BOTTOM OF WEB / ANGLE TO FLANGE. PREVIOUS WELDED PLATE REPAIRS.

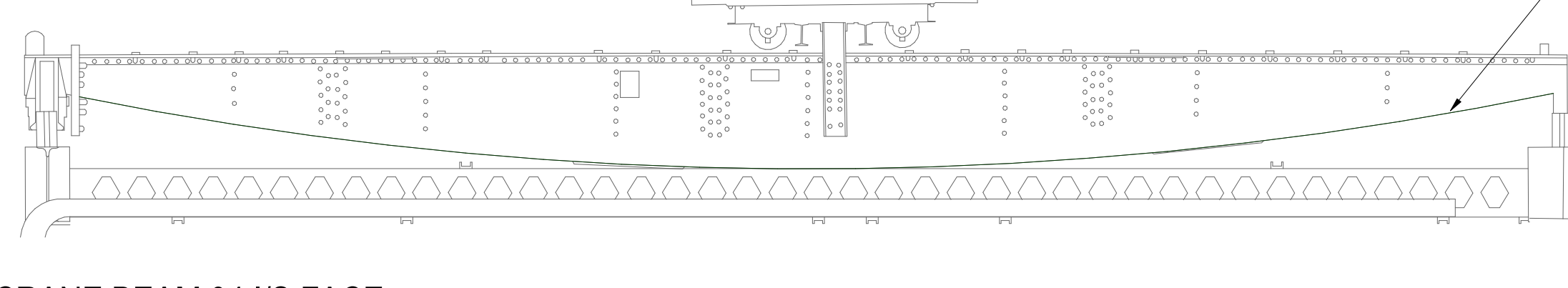
GRADE 1/2 CORROSION TO FACE OF BEAM ACROSS WHOLE EXTENT. GRADE 2 FOR MOST OF LEFT HAND PORTION OF FACE.

GRADE 2/3 CORROSION AT BOTTOM OF WEB / ANGLE TO FLANGE. WIDESPREAD EVIDENCE OF CORROSION & PREVIOUS WELDED PLATE REPAIRS.



CRANE BEAM 04 O/S FACE

SCALE 1: 50



GRADE 1/2 CORROSION AT BOTTOM OF WEB / ANGLE TO FLANGE. PREVIOUS WELDED PLATE REPAIRS.

GRADE 1/2 CORROSION AT BOTTOM OF WEB / ANGLE TO FLANGE. PREVIOUS WELDED PLATE REPAIRS TO FULL LENGTH OF BEAM.

CRANE BEAM 04 I/S FACE

SCALE 1: 50

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C01 CONSTRUCTION ISSUE		06.05.24	CB	DC
Rev	Description	Date	Dim	App'd

CONSTRUCTION

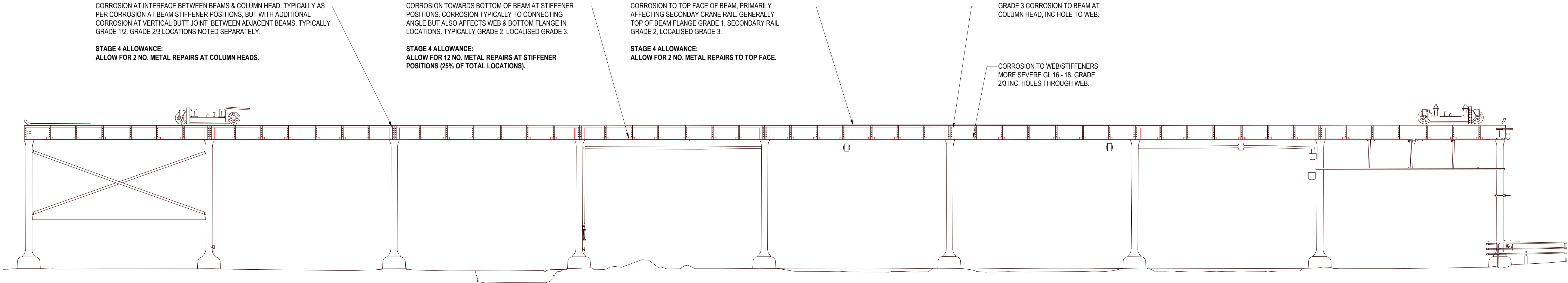
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CONSTRUCTION ISSUE

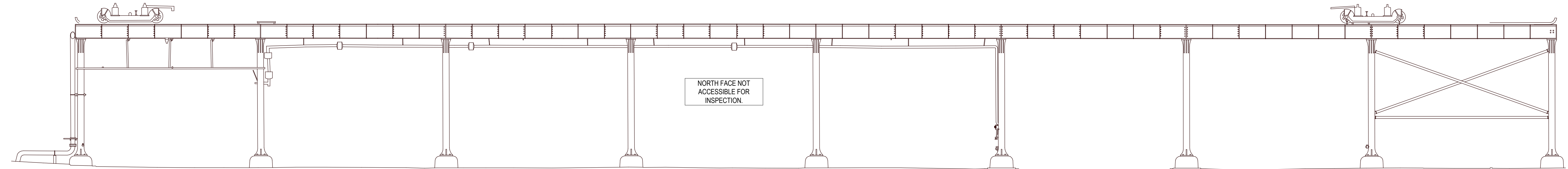
Status of Drawing

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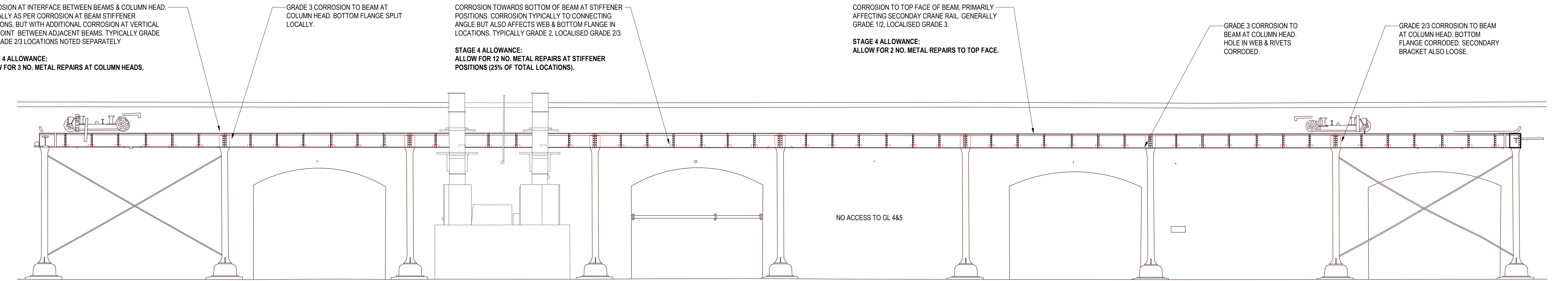
3 Wellington Place Leeds LS1 4AP UK		Tel: +44 (0)113 204 2000 Fax: +44 (0)113 787 4144 Email: 0504704@burohappold.com Web: www.burohappold.com	
Client	SCIENCE MUSEUM GROUP		
Architect	BUTRESS		
Project	SIM SITE WIDE CAPITAL WORKS		
Org Title	PROPOSED GANTRY WORKS GENERAL ARRANGEMENT		
Job No.	0054704		Scale/ID A2
As indicated		As indicated	
Drawn By	CB	Checked By	PC
Approved By		DC	
Drawing No.	SIM-BHE-GA-XX-DR-S-1401		Revision
		C01	



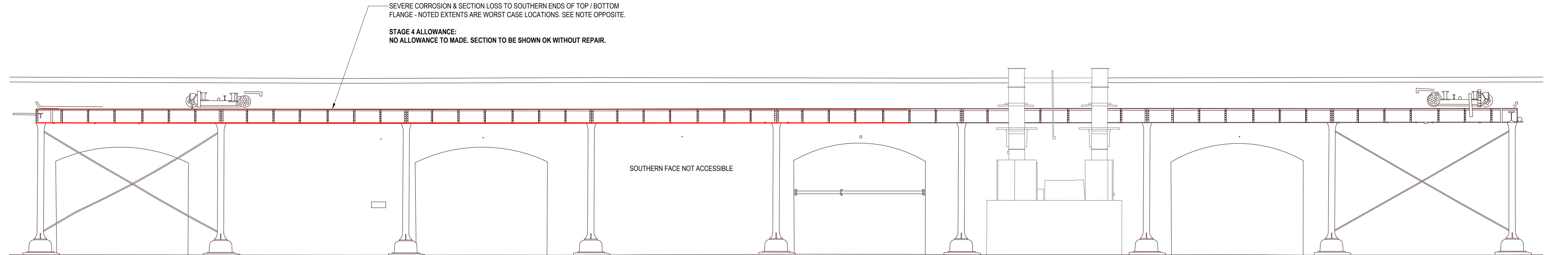
PROPOSED GANTRY WORK - NORTH COLUMNS SOUTHERN FACE
SCALE 1 : 100



PROPOSED GANTRY WORK - NORTH COLUMNS NORTHERN FACE
SCALE 1 : 100



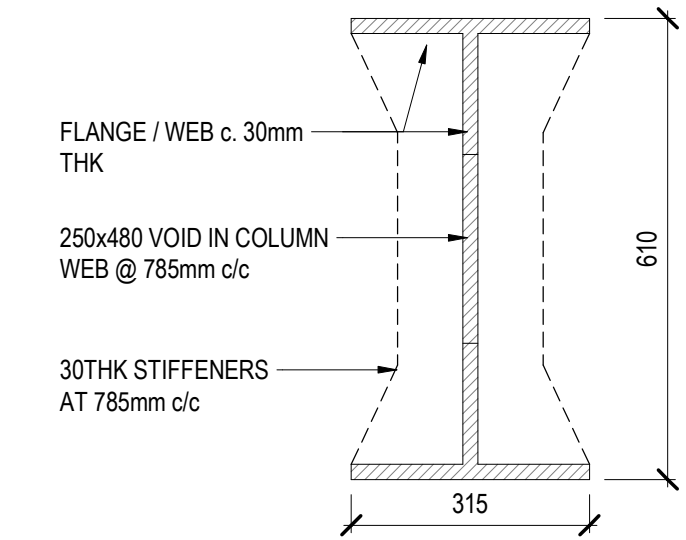
PROPOSED GANTRY WORK - SOUTH COLUMNS NORTHERN FACE
SCALE 1 : 100



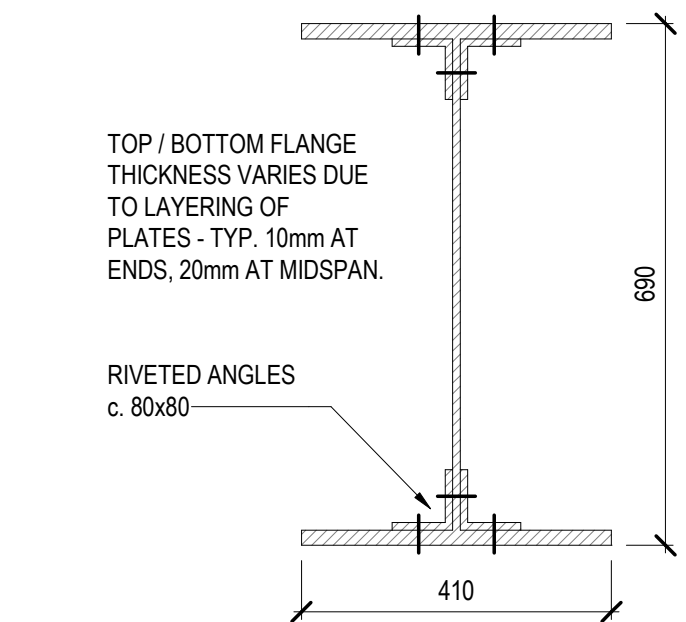
PROPOSED GANTRY WORK - SOUTH COLUMNS SOUTHERN FACE
SCALE 1 : 100

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INDICATIVE GANTRY COLUMN DETAIL
SCALE 1 : 10



INDICATIVE NORTH / SOUTH BEAMS
SCALE 1 : 10

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C01	CONSTRUCTION ISSUE	06.05.24	CB	DC
Rev	Description	Date	Dim	App'd

CONSTRUCTION

CONSTRUCTION ISSUE

Status of Drawing

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Client: SCIENCE MUSEUM GROUP
Address: BUTTRESS
Project: SIM SITE WIDE CAPITAL WORKS
Drawing Title: PROPOSED GANTRY WORKS ELEVATIONS

Job No: 0054704
Drawn By: CB
Checked By: PC
Approved By: DC

Drawing No: SIM-BHE-GA-XX-DR-S-1402
Revision: C01