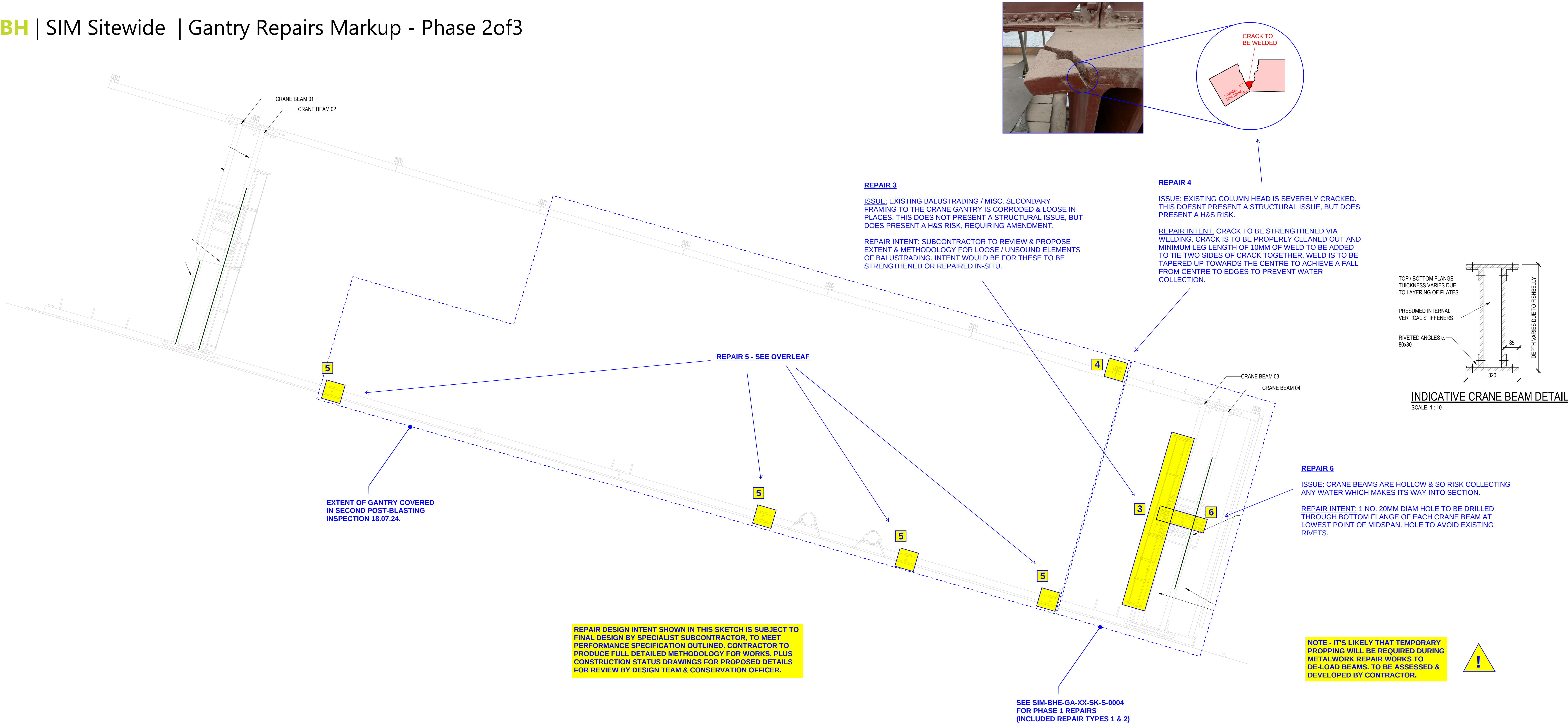
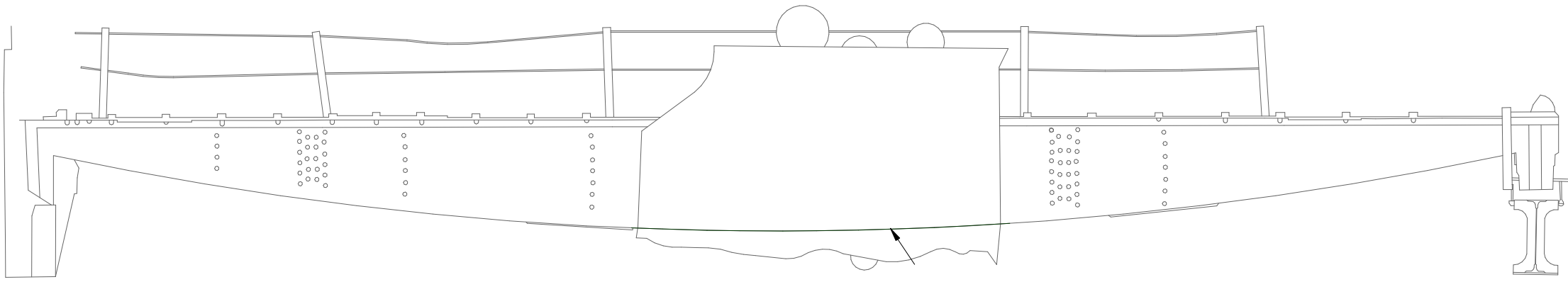
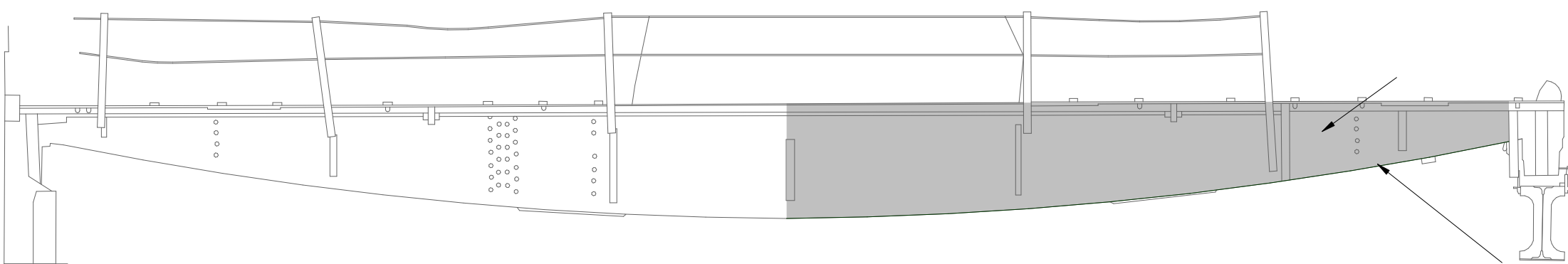


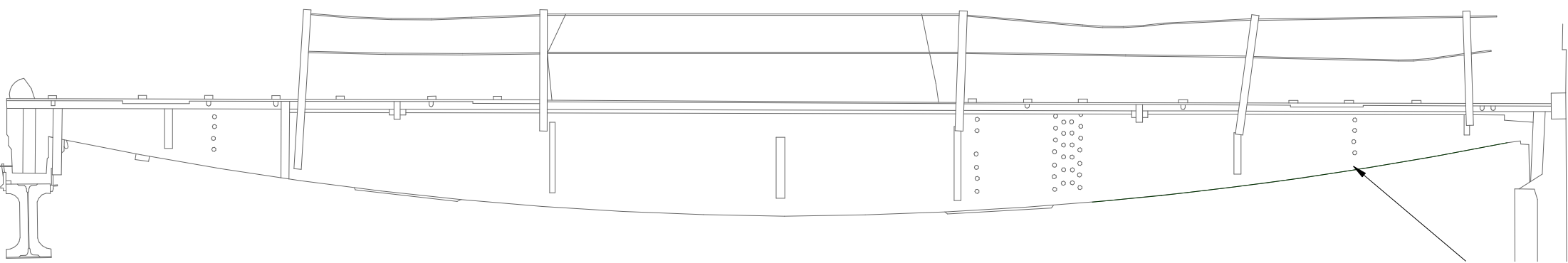
CRANE BEAM 01 O/S FACE
SCALE 1:50



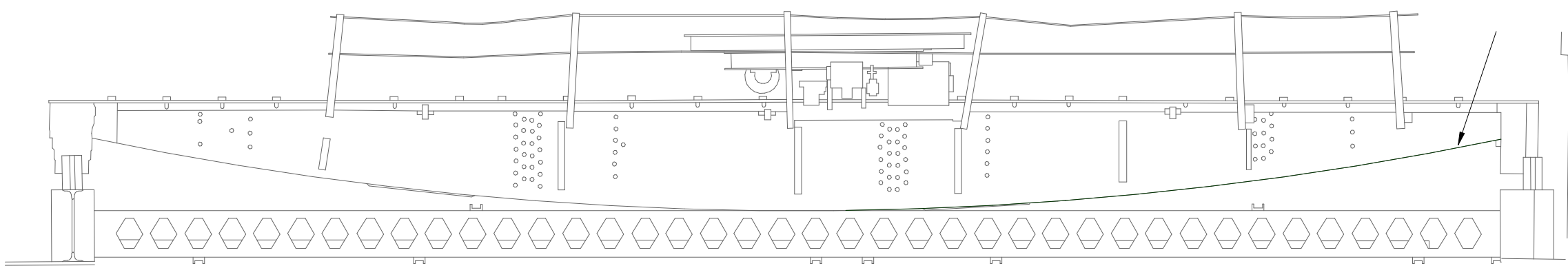
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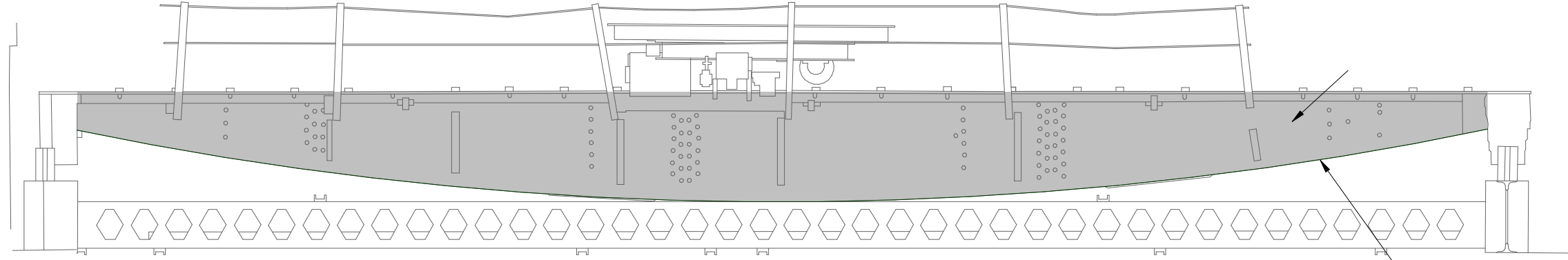
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SCALE 1:50



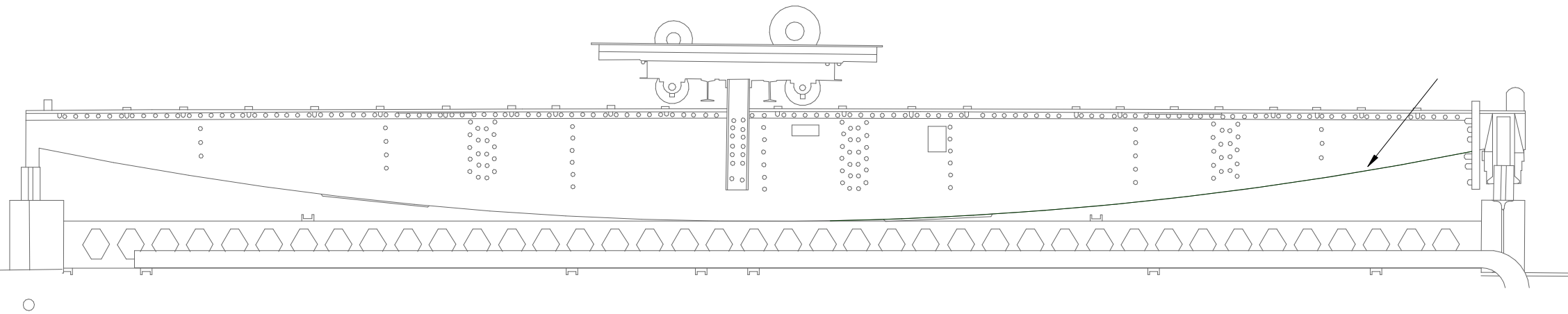
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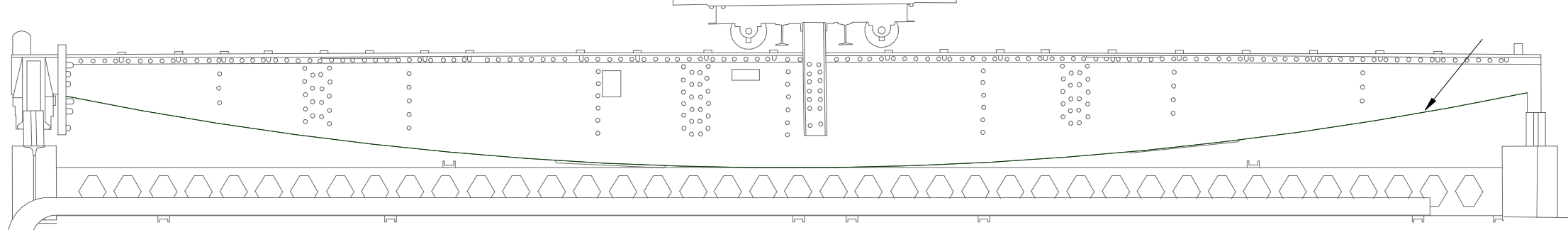
CRANE BEAM 03 O/S FACE
SCALE 1:50



CRANE BEAM 03 I/S FACE
SCALE 1:50

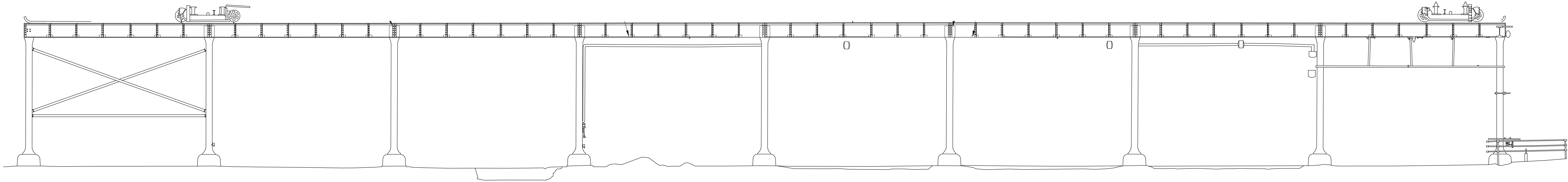


CRANE BEAM 04 O/S FACE
SCALE 1:50

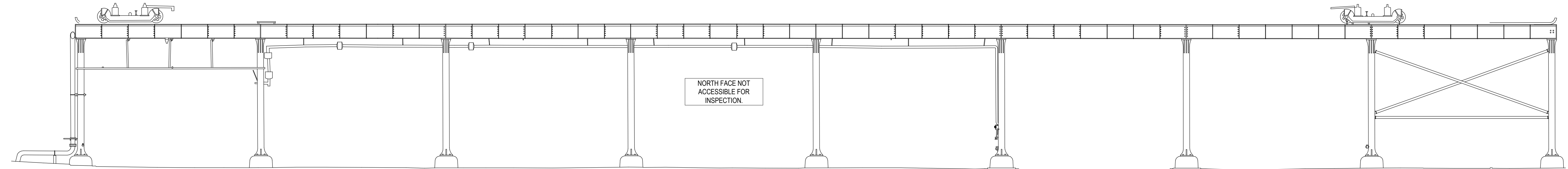


CRANE BEAM 04 I/S FACE
SCALE 1:50

- NOTES:**
- ALL STEELWORK REPAIRS ARE TO BE CARRIED OUT IN ACCORDANCE WITH BH STEELWORK SPEC. NOTE THAT THIS WILL REQUIRE WELD TESTING. CONTRACTOR TO ADVISE ON METHODOLOGIES.
 - SEE NOTES ON BH DRG S-0001 FOR GENERAL NOTES CONCERNING STEELWORK & GENERAL CONSTRUCTION.
 - ALL STEEL PLATES TO BE S275.
 - ALL STEEL REPAIRS TO BE PAINTED TO AGREED EXTERNAL PAINT SPECIFICATION. SEE ARCHITECTURAL DETAILS.
 - ALL FPBW TO BE GROUND FLUSH.
 - ALL FILLET WELDS TO BE GROUND SMOOTH.



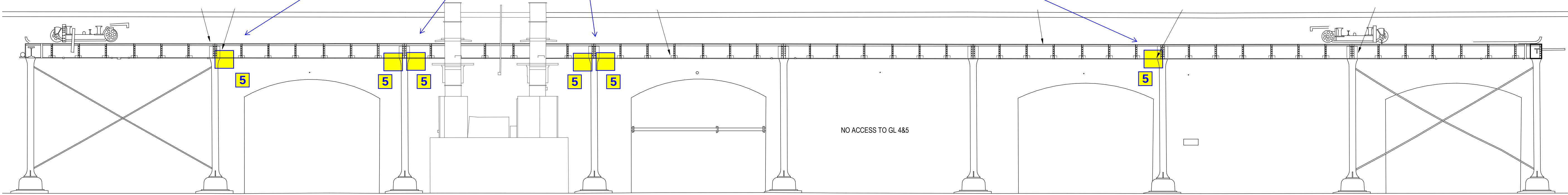
PROPOSED GANTRY WORK - NORTH COLUMNS SOUTHERN FACE
SCALE 1:100



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

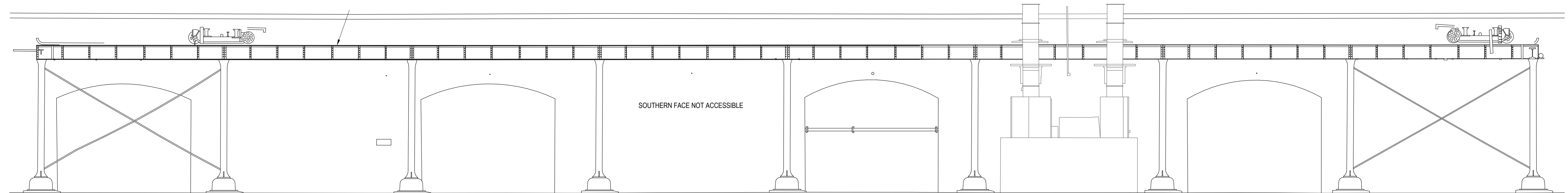
REPAIR DESIGN INTENT SHOWN IN THIS SKETCH IS SUBJECT TO FINAL DESIGN BY SPECIALIST SUBCONTRACTOR, TO MEET PERFORMANCE SPECIFICATION OUTLINED. CONTRACTOR TO PRODUCE FULL DETAILED METHODOLOGY FOR WORKS, PLUS CONSTRUCTION STATUS DRAWINGS FOR PROPOSED DETAILS FOR REVIEW BY DESIGN TEAM & CONSERVATION OFFICER.

REPAIR 5
ISSUE: BOTTOM FLANGE OF BEAM IS HEAVILY CORRODED WITH NEAR COMPLETE LOSS OF SECTION.
REPAIR INTENT: FLANGE TO BE STRENGTHENED LOCAL TO COLUMN HEAD WITH DETAIL MATCHING PREVIOUS REPAIRS. NEW 10MM THK S275 STEEL PLATES TO BE SANWICHED ABOVE & BELOW EXISTING FLANGE, THROUGH-BOLTED WITH LAYOUT AS PER EXISTING RIVETS, DUE TO LACK OF ACCESS TO SOUTHERN FACE, NEW PLATE ONLY COVERS NORTHERN HALF OF FLANGE.

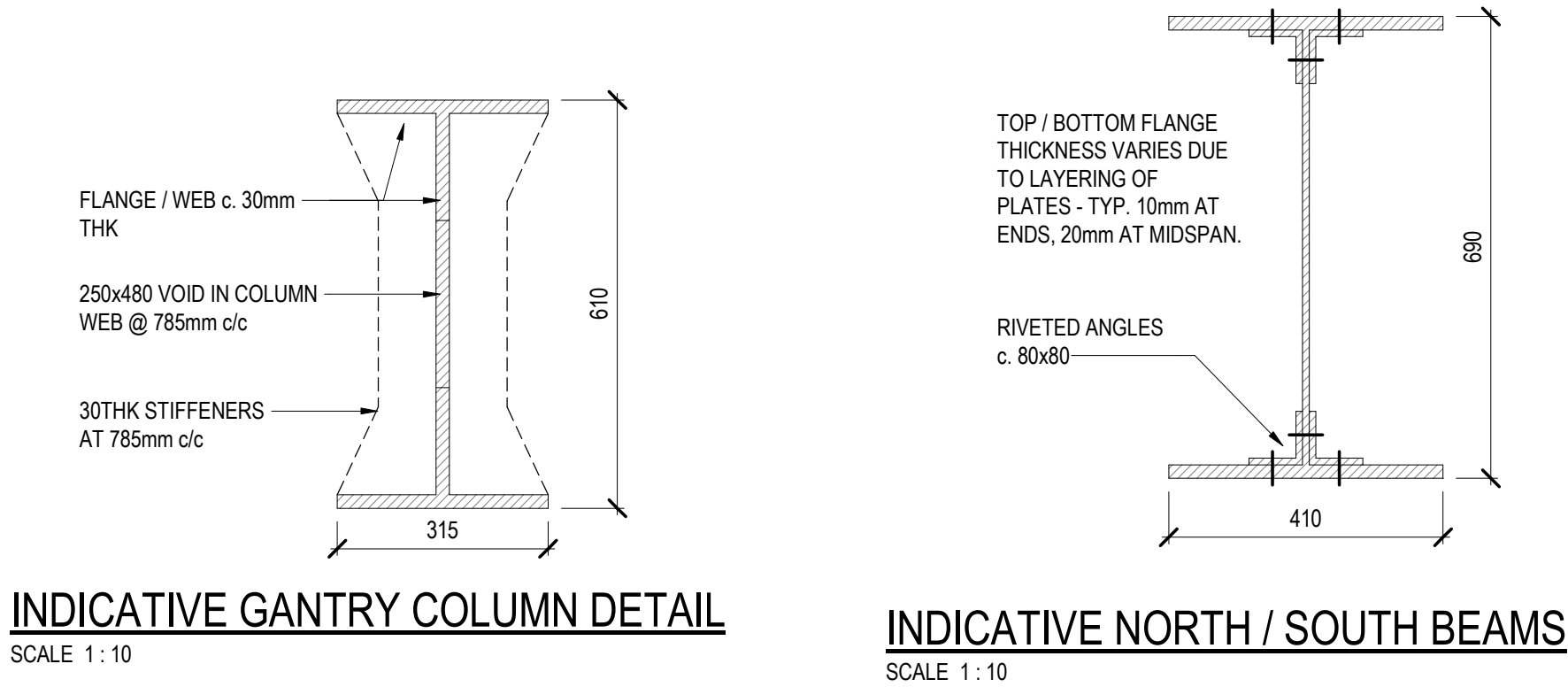


PROPOSED GANTRY WORK - SOUTH COLUMNS NORTHERN FACE
SCALE 1:100

NOTE - IT'S LIKELY THAT TEMPORARY PROPPING WILL BE REQUIRED DURING METALWORK REPAIR WORKS TO DE-LOAD BEAMS. TO BE ASSESSED & DEVELOPED BY CONTRACTOR.



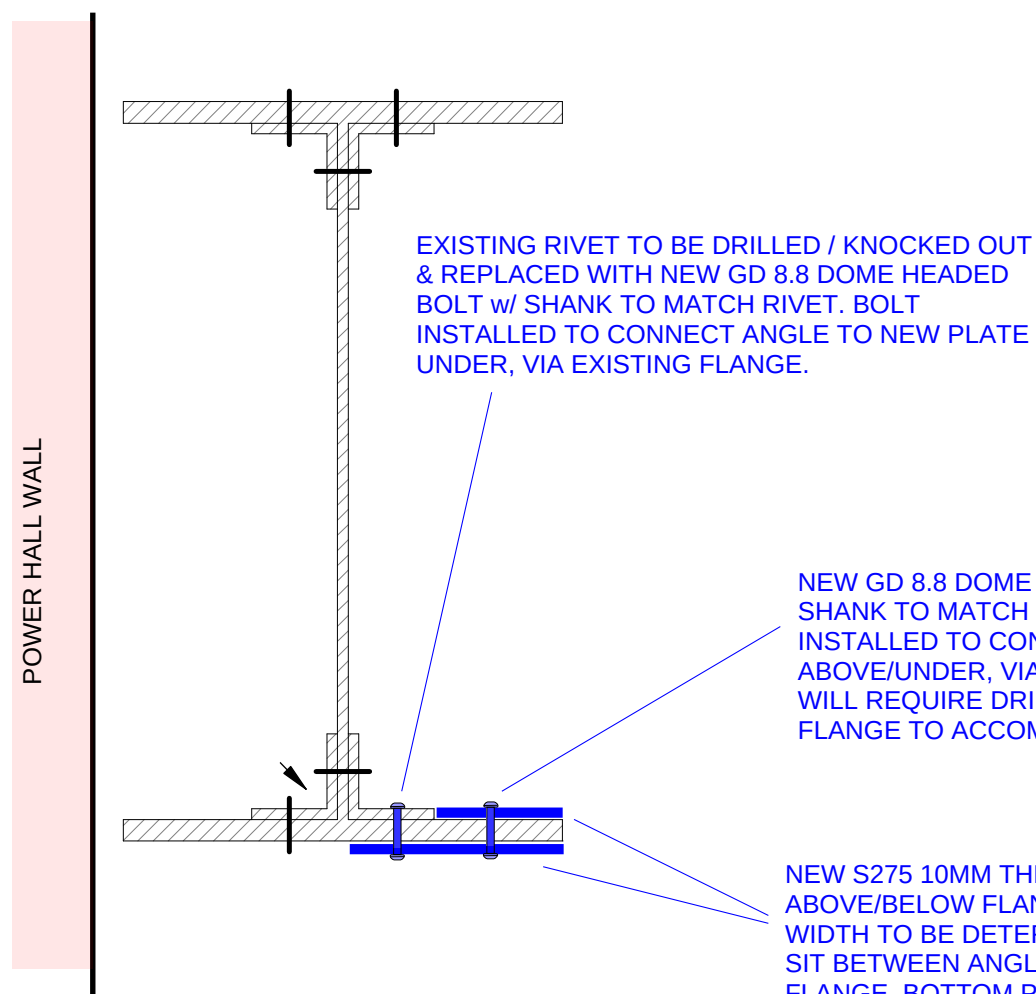
PROPOSED GANTRY WORK - SOUTH COLUMNS SOUTHERN FACE
SCALE 1:100



REPAIR DETAIL TYPE 5



NEW PLATES SHOWN INDICATIVELY. TOP PLATE TO EXTEND TO MEET FACE OF ANGLE CONNECTED TO END PLATE. BOTTOM PLATE TO EXTEND TO MEET FACE OF COLUMN HEAD. PLATES TO BE SITE MEASURED TO SUIT. PLATES TO EXTEND TO COVER FIRST 6 ROWS OF RIVETS, c. 750mm.



EXISTING RIVET TO BE DRILLED / KNOCKED OUT & REPLACED WITH NEW GD 8.8 DOME HEADED BOLT w/ SHANK TO MATCH RIVET. BOLT INSTALLED TO CONNECT ANGLE TO NEW PLATE UNDER, VIA EXISTING FLANGE.

NEW GD 8.8 DOME HEADED BOLT w/ SHANK TO MATCH RIVET. BOLT INSTALLED TO CONNECT NEW PLATE ABOVE/UNDER, VIA EXISTING FLANGE. WILL REQUIRE DRILLING OF EXISTING FLANGE TO ACCOMODATE.

NEW S275 10MM THK PLATES ABOVE/BELOW FLANGE. TOP PLATE WIDTH TO BE DETERMINED ON SITE TO SIT BETWEEN ANGLE & END OF FLANGE. BOTTOM PLATE TO BE SITE MEASURED HALF WIDTH OF BEAM. INDICATIVELY 705MM. PLATES TO EXTEND TO COVER FIRST 6 ROWS OF RIVETS, c. 750mm.