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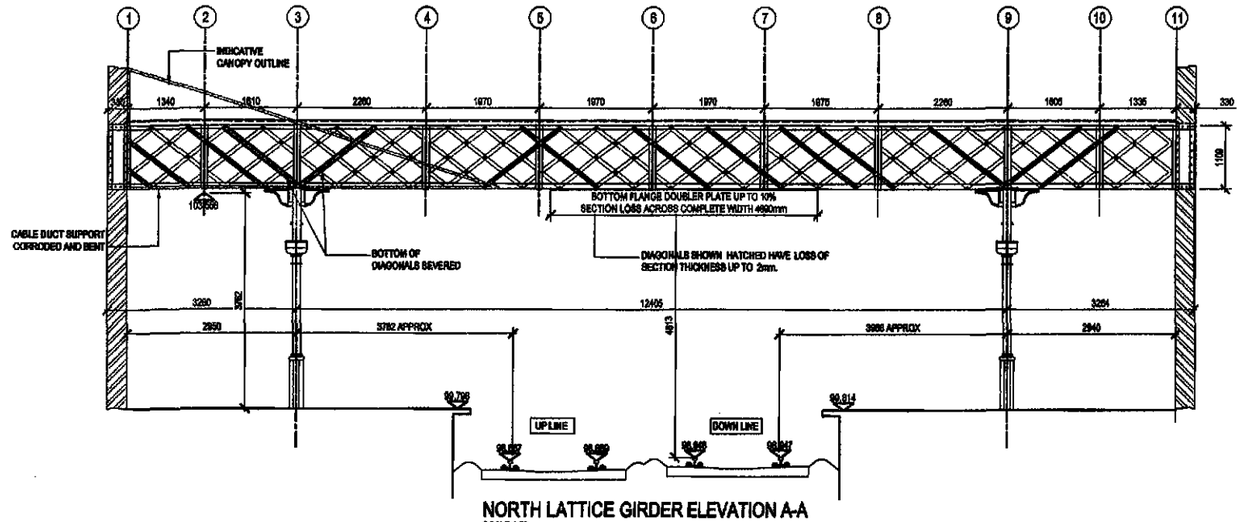
SHDC
Planning & Development
01 OCT 2009
Ref: 0783-09



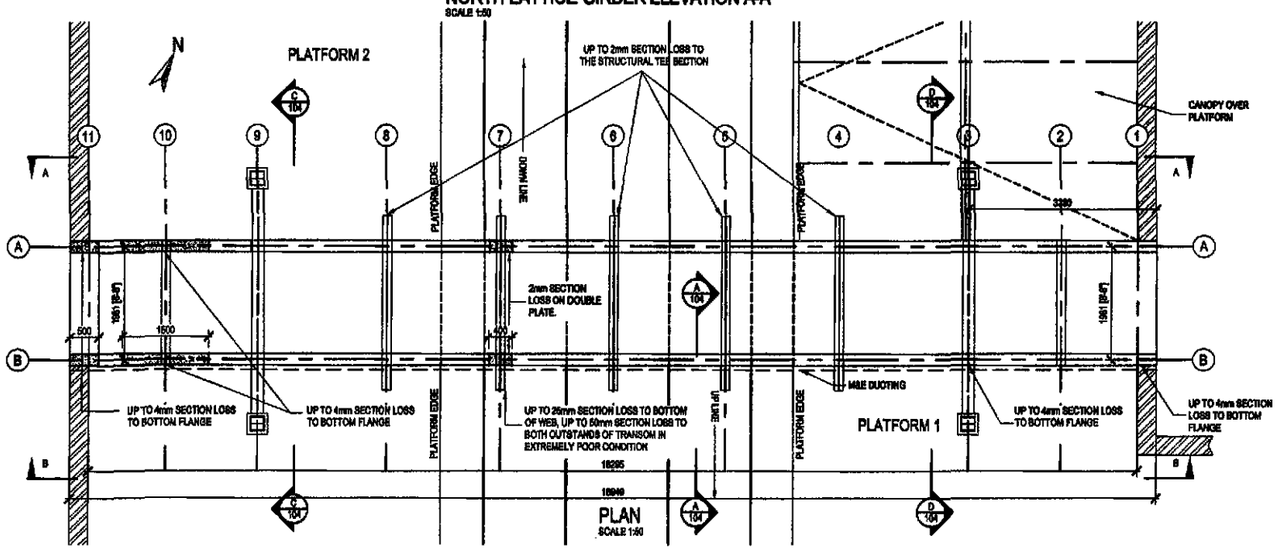
Centre of Map Window (E,N) 524371 , 322830

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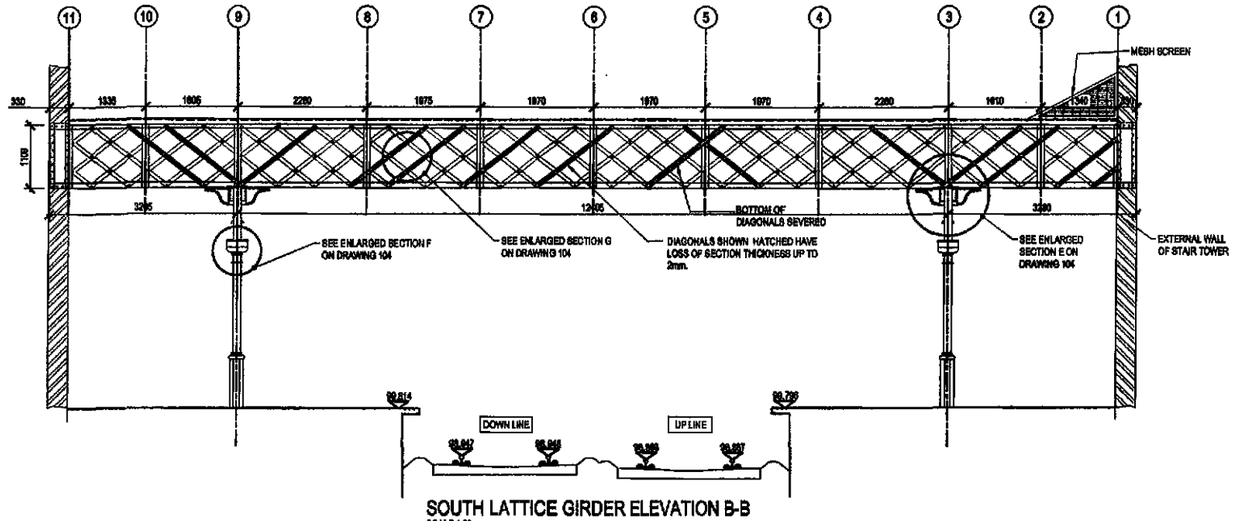
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01 OCT 2009
0753-09



NORTH LATTICE GIRDER ELEVATION A-A
SCALE 1:50



PLAN
SCALE 1:50



SOUTH LATTICE GIRDER ELEVATION B-B
SCALE 1:50

DO NOT SCALE: CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ANY OMISSIONS OR ERRORS

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS IN METRES AOD UNLESS NOTED OTHERWISE.
3. DRAWINGS REPRODUCED FROM NETWORK RAIL ARCHIVE DRAWINGS WITH KEY DIMENSIONS VERIFIED DURING SITE SURVEY DATED 19TH APRIL 2009.
4. LEVELS FROM WYG SURVEY 19.04.09 TO LOCAL DATUM.

PAINT ANALYSIS

LOCATION:	LEAD (%)
PARAPET (NEW) CAPPING TO HANDRAIL	LEAD =0.0024%
PARAPET LATTICE (SOUTH OUTER SURFACE)	LEAD = 24%
PARAPET LATTICE (SOUTH INNER SURFACE)	LEAD = 4%
SOFFIT ANGLE (ABOVE PLATFORM 2)	LEAD = 16%
SUPPORT FRAME VERTICAL COLUMN (PLATFORM 2)	LEAD = 16%

FOR ALL OTHER TOXIC ELEMENTS REFER TO SCIENTIFICS REPORT DATED 6TH MAY 2009

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0 1 OCT 2009
Ref: 0783-09

REV	DESCRIPTION	BY	CHK	APP	DATE
A	ISSUED FOR FORM A APPROVAL	JGH	MJH	MJH	22/09/09

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Project:A053112

MAY GURNEY PROPERTY FRAMEWORK
SPD1/12 SPALDING STATION FOOTBRIDGE
(44 MILES 572 YARDS)

Drawing Title:

FOOTBRIDGE STRENGTHENING
EXISTING G.A. AND DEFECTS
SHEET 1 OF 2

Scale at:A1	Drawn By	Date	Checked By	Date	Approved By	Date
AS SHOWN	JGH	MAY'09	MJH	JUNE '09	MJH	JUNE '09

Project No.	Office	Type	Drawing No.	Revision
A053112	21	R	103	A

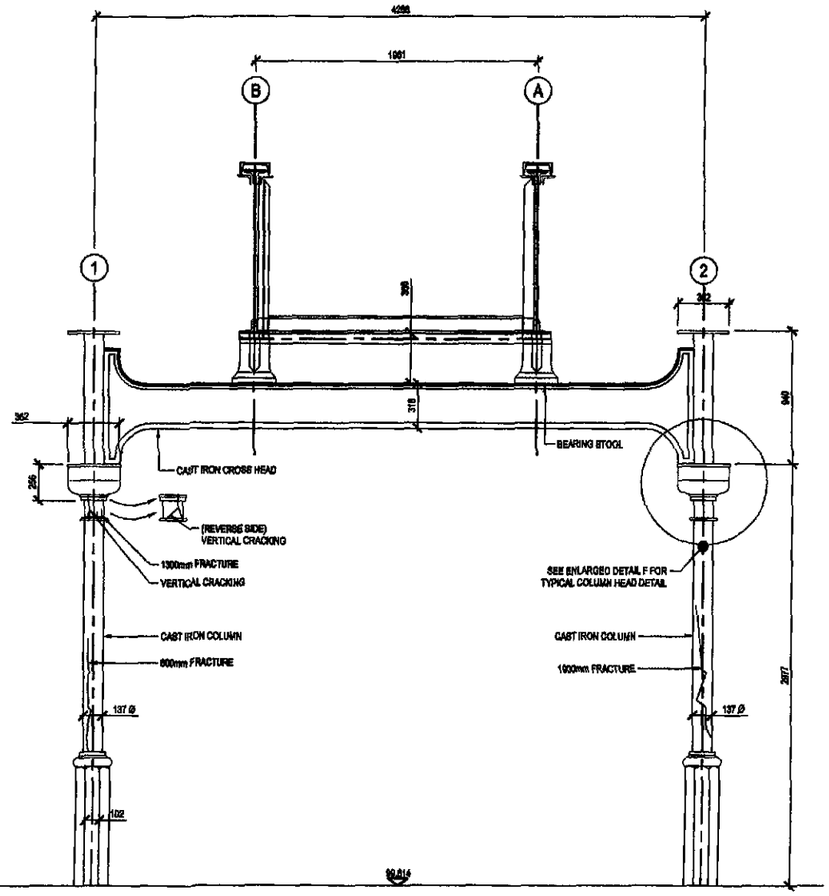
APPROVAL ☒ INFORMATION ☐ TENDER ☐ CONTRACT ☐ CONSTRUCTION ☐

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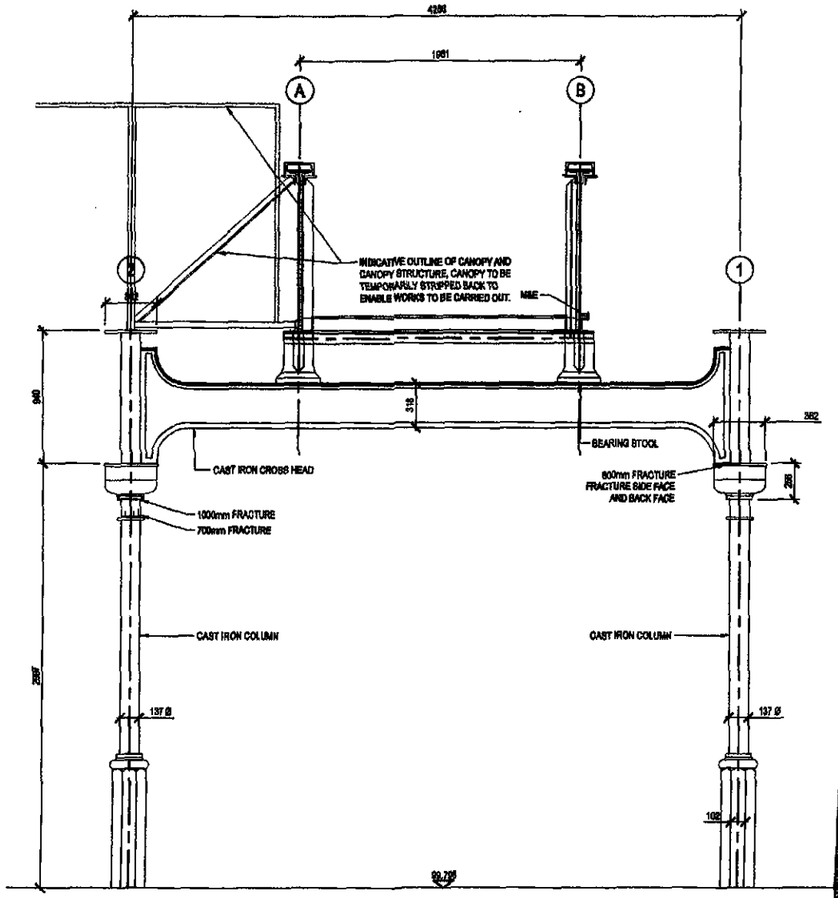
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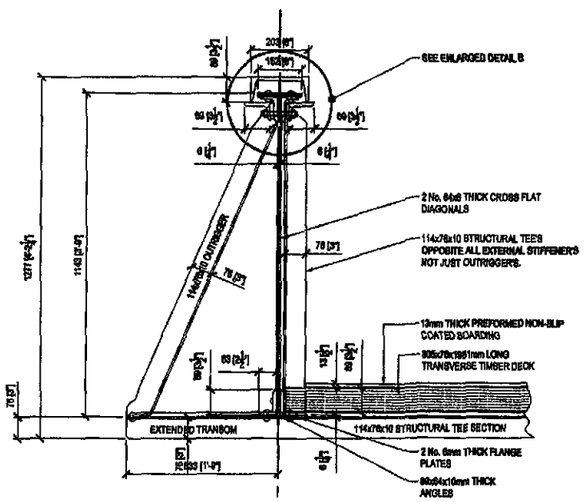
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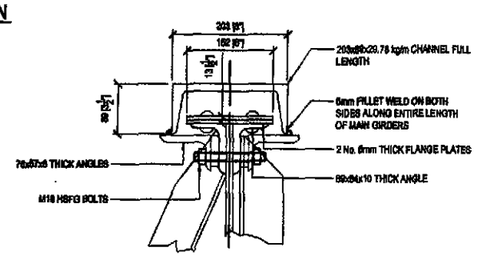
C SECTION 103 SCALE 1:20
GRIDLINE D PLATFORM 2



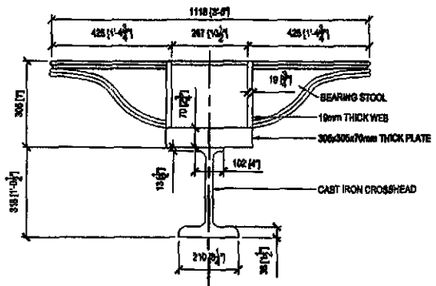
D SECTION 103 SCALE 1:20
GRIDLINE 2 PLATFORM 1



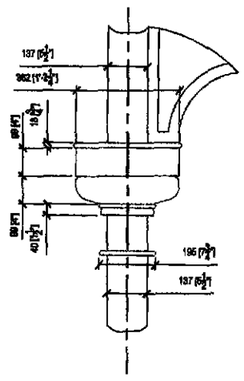
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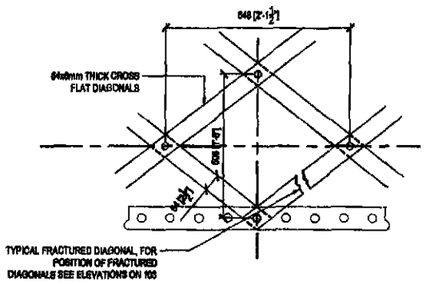
ENLARGED DETAIL B
SCALE 1:5
(SHOWING PREVIOUS TOP FLANGE STRENGTHENING WORKS)



E SECTION 103 SCALE 1:10



F SECTION 103 SCALE 1:10



G SECTION 103 SCALE 1:10

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01 OCT 2009
Ref: 0783-09

REV	DESCRIPTION	BY	CHK	APP	DATE
B	RE-ISSUED FOR FORM A APPROVAL	JGH	MH	MH	10.07.09
A	ISSUED FOR FORM A APPROVAL	JGH	MH	MH	24.06.09

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Project A053112

MAY GURNEY PROPERTY FRAMEWORK
SPD1/12 SPALDING STATION FOOTBRIDGE
(44 MILES 572 YARDS)

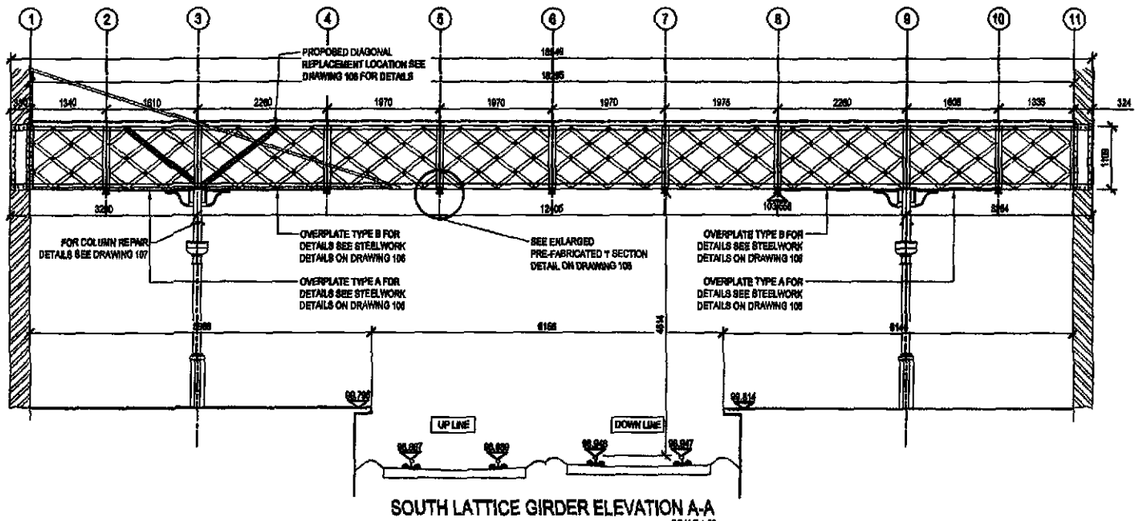
Drawing Title:
FOOTBRIDGE STRENGTHENING
EXISTING G.A. AND DEFECTS
SHEET 2 OF 2

Scale at A1	Drawn By	Date	Checked By	Date	Approved By	Date
AS SHOWN	JGH	MAY'09	MJH	JUNE '09	MJH	JUNE '09

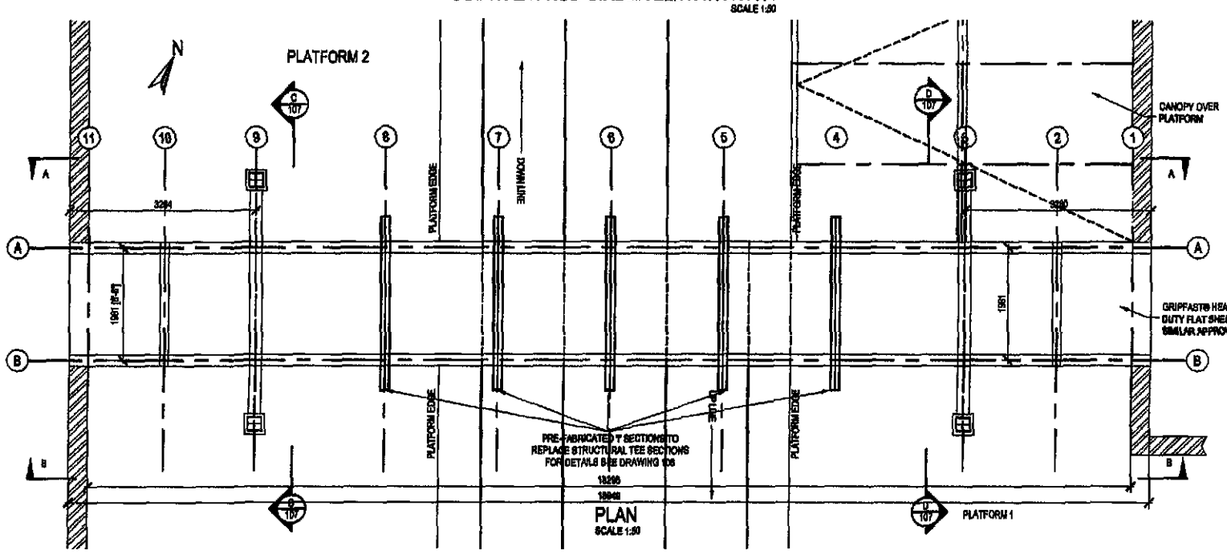
Project No.	Office	Type	Drawing No.	Revision
A053112	21	R	104	B

APPROVAL ☒ INFORMATION ☐ TENDER ☐ CONTRACT ☐ CONSTRUCTION ☐

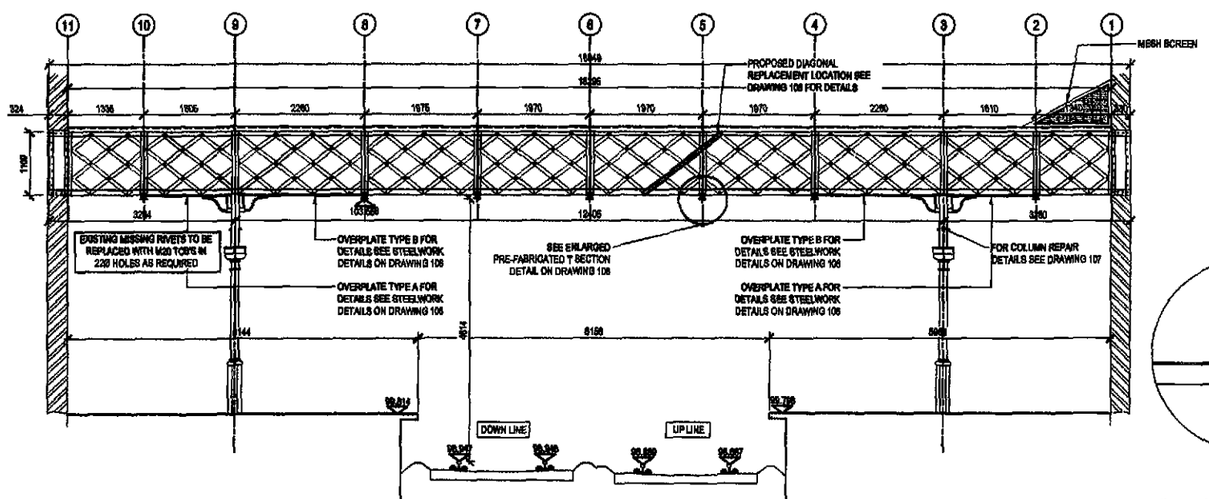
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SOUTH LATTICE GIRDER ELEVATION A-A
SCALE 1:50



PLAN
SCALE 1:50



SOUTH LATTICE GIRDER ELEVATION B-B
SCALE 1:50

METHOD OF CONSTRUCTION / ERECTION ENVISAGED

1. TEMPORARY FOOTBRIDGE TO BE ERECTED BETWEEN STATION PLATFORMS TO ENABLE PASSENGER MOVEMENTS DURING THE WORKS.
2. SCAFFOLDING WILL BE ERECTED UNDERNEATH THE BRIDGE TO PROVIDE ACCESS FOR THE STRENGTHENING WORKS TO THE TRUSS BOTTOM CHORDS AND THE PAINTING WORKS. THIS WILL BE SUPPORTED ON BOTH THE PLATFORMS AND TRACKS BENEATH THE BRIDGE. NO DIRECT SUPPORT IS TO BE PROVIDED BY THE BRIDGE.
3. M&E EQUIPMENT SUPPORTED FROM THE BRIDGE TO BE TEMPORARILY RELOCATED. IT IS ENVISAGED THAT PROVISION FOR SUPPORT FROM THE ACCESS SCAFFOLD IS LIKELY, ALTHOUGH THIS SHOULD BE CONFIRMED BY THE CONTRACTOR.
4. REMOVAL OF TIMBER DECKING AND ANTI SLIP COVERING, TOGETHER WITH PARAPET MESH TO ENABLE ACCESS FOR WORKS. EXISTING TIMBERS TO BE EXAMINED ONCE REMOVED TO ASSESS SUITABILITY FOR REUSE.
5. EXISTING RIVETS REMOVED AS REQUIRED AND SURFACES PREPARED FOR INSTALLATION OF NEW PLATES. IT IS IMPORTANT THAT ONLY 1 NO OUTRIGGER HORIZONTAL IS REMOVED AT ANY ONE TIME AND THAT OVER PLATING TO THE BOTTOM TRUSS CHORD ARE ALSO ONLY DONE ON A ONE BY ONE BASIS. THE LATTER CONSTRAINTS ARE TO LIMIT THE NUMBER OF PRIMARY FASTENERS THAT ARE REMOVED FROM THE BRIDGE AT ANY ONE TIME.
6. INSTALL STRENGTHENING WORKS TO TRUSS SEQUENTIALLY AS DESCRIBED ABOVE.
7. UNDERTAKE REPAIRS TO CAST IRON ELEMENTS AS DESCRIBED IN ATTACHED METALOCK REPORT.
8. COMPLETE SURFACE PREPARATION BY BLAST CLEANING AND REPAINT ENTIRE STRUCTURE.
9. REINSTATE PARAPET SCREEN MESH (TO BE PAINTED WHILST REMOVED) AND TIMBER DECKING. INSTALL NEW ANTI SLIP COVERING. IT SHOULD BE NOTED THAT THERE IS A SMALL RISK ASSOCIATED WITH THE REMOVAL OF THE MESH RELATING TO ITS POTENTIAL DAMAGE, WHICH MAY REQUIRE NEW MESH TO BE USED IN AREAS.
10. REPOSITION M&E EQUIPMENT BACK ONTO BRIDGE.
11. REMOVE TEMPORARY FOOTBRIDGE AND ACCESS SCAFFOLDING/ENCAPSULATION.
12. THE WORKS WILL LIKELY REQUIRE A NUMBER OF NON-DISRUPTIVE RULES OF THE ROUTE POSSESSIONS OF THE RAILWAY, PARTICULARLY FOR THE INSTALLATION AND REMOVAL OF THE ACCESS SCAFFOLD AND ENCAPSULATION AND THE TEMPORARY FOOTBRIDGE.

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NOTES:

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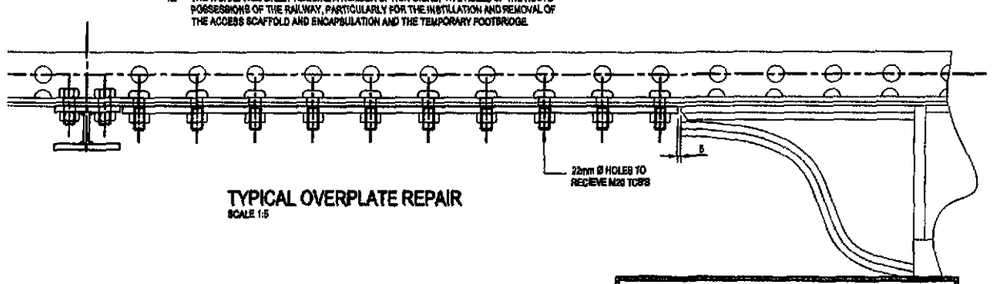
IMPORTANT CDM / H&S NOTE

THE DESIGNERS WOULD DRAW THE READERS ATTENTION TO THE KEY RESIDUAL HEALTH AND SAFETY RISKS THAT HAVE NOT BEEN ELIMINATED FROM THE DESIGNS SHOWN ON THESE DRAWINGS BY THE DESIGN PROCESS. THESE KEY RESIDUAL RISKS ARE IDENTIFIED BELOW:

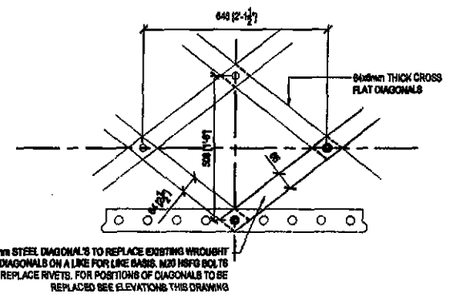
- WORKING AT HEIGHT (SCAFFOLD USE OF HAZARDOUS MATERIALS IN PAINTING
- WORKS. IE LEAD BASED PAINTS
- WORKING OVER / ADJACENT TO LIVE RAIL
- MANUAL HANDLING AND LIFTING OF PROPOSED STEELWORK

ANY CONSTRUCTION PERSONNEL INCLUDING OPERATIVES INTENDING TO CONSTRUCT THE DESIGNS SHOWN ON THESE DRAWINGS SHOULD ENSURE THAT THEY HAVE BEEN REGULARLY AND THOROUGHLY BRIEFED BY THE PRINCIPAL CONTRACTOR ON ALL HEALTH AND SAFETY MATTERS AND HAVE HAD SIGHT OF:

(1) THE FULL DESIGNERS AND CONTRACTORS RISK ASSESSMENTS AND RISK REGISTERS.
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(3) THE CONTRACTORS CONSTRUCTION METHOD STATEMENTS.



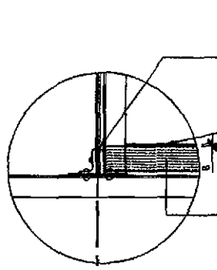
TYPICAL OVERPLATE REPAIR
SCALE 1:5



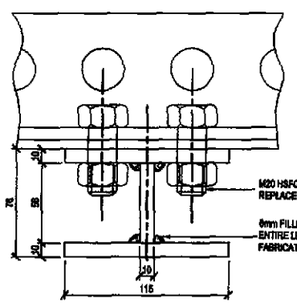
TYPICAL DIAGONAL REPAIR
SCALE 1:10

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Ref: 0783-09

B	RE-ISSUED FOR FORM A APPROVAL	JGH	MH	MH	10.07.09
A	ISSUED FOR FORM A APPROVAL	JGH	MH	MH	24.06.09
REV	DESCRIPTION	BY	CHK	APP	DATE



TIMBER DECK DETAIL
SCALE 1:10



FABRICATED BEAM SECTION A-A
SCALE 1:2

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Project No: A053112

MAY GURNEY PROPERTY FRAMEWORK
SPD1/12 SPALDING STATION FOOTBRIDGE
(44 MILES 572 YARDS)

Drawing Title:
FOOTBRIDGE STRENGTHENING
PROPOSED G.A.
PLAN AND ELEVATIONS

Scale at A1	Drawn By	Date	Checked By	Date	Approved By	Date
AS SHOWN	JGH	MAY'09	MJH	JUNE '09	MJH	JUNE '09

Project No.	Office	Type	Drawing No.	Revision
A053112	21	R	105	B

APPROVAL ☒ INFORMATION ☐ TENDER ☐ CONTRACT ☐ CONSTRUCTION ☐

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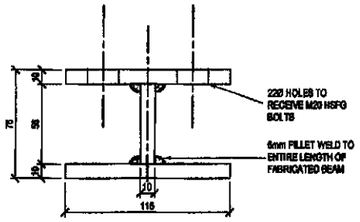
NOTES:

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3. ALL STEEL TO BE S275 J2 + N UNLESS NOTED OTHERWISE.

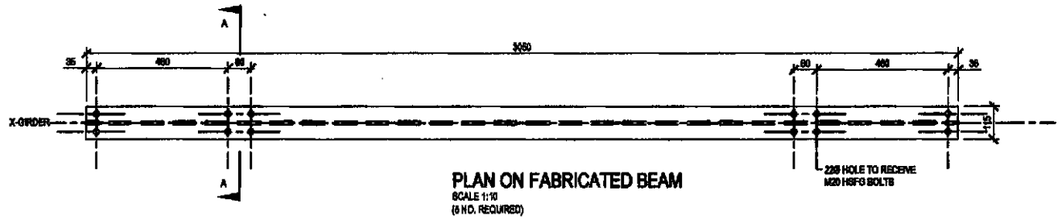
WEIGHTS:

PROPOSED I SECTION	66 Kg
DIAGONALS	8.1 Kg
OVERPLATES	16 Kg

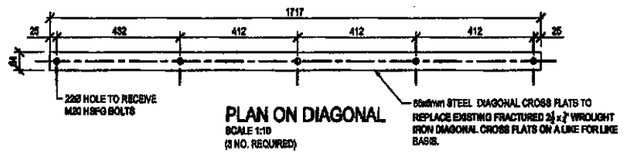
DIMENSIONS TAKEN FROM ARCHIVE DATA, FABRICATOR TO CHECK ALL STEELWORK DIMENSIONS PRIOR TO FABRICATION, OVERPLATES TO BE TEMPLATED ON SITE TO DETERMINE EXACT RIVET PITCH



FABRICATED BEAM SECTION A-A
SCALE 1:2



PLAN ON FABRICATED BEAM
SCALE 1:10
(6 NO. REQUIRED)



PLAN ON DIAGONAL
SCALE 1:10
(3 NO. REQUIRED)

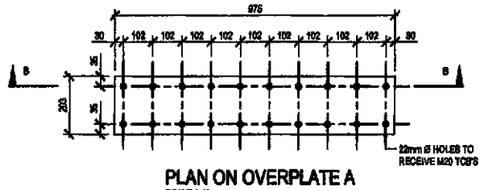
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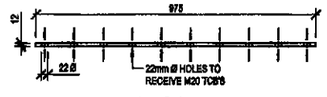
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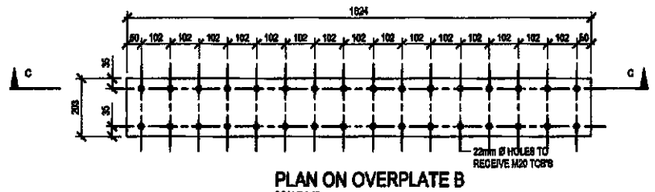
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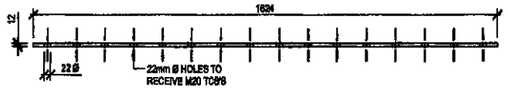
PLAN ON OVERPLATE A
SCALE 1:10
(4 NO. REQUIRED)



SECTION B-B
SCALE 1:10



PLAN ON OVERPLATE B
SCALE 1:10
(4 NO. REQUIRED)



SECTION C-C
SCALE 1:10

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Project No.	Office	Type	Drawing No.	Revision
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3. FOR TYPE 1 REPAIR REFER TO FORM A METW:001 REPAIR, FOR TYPE 2 REPAIR REFER TO FORM B METW:006 INSERTS

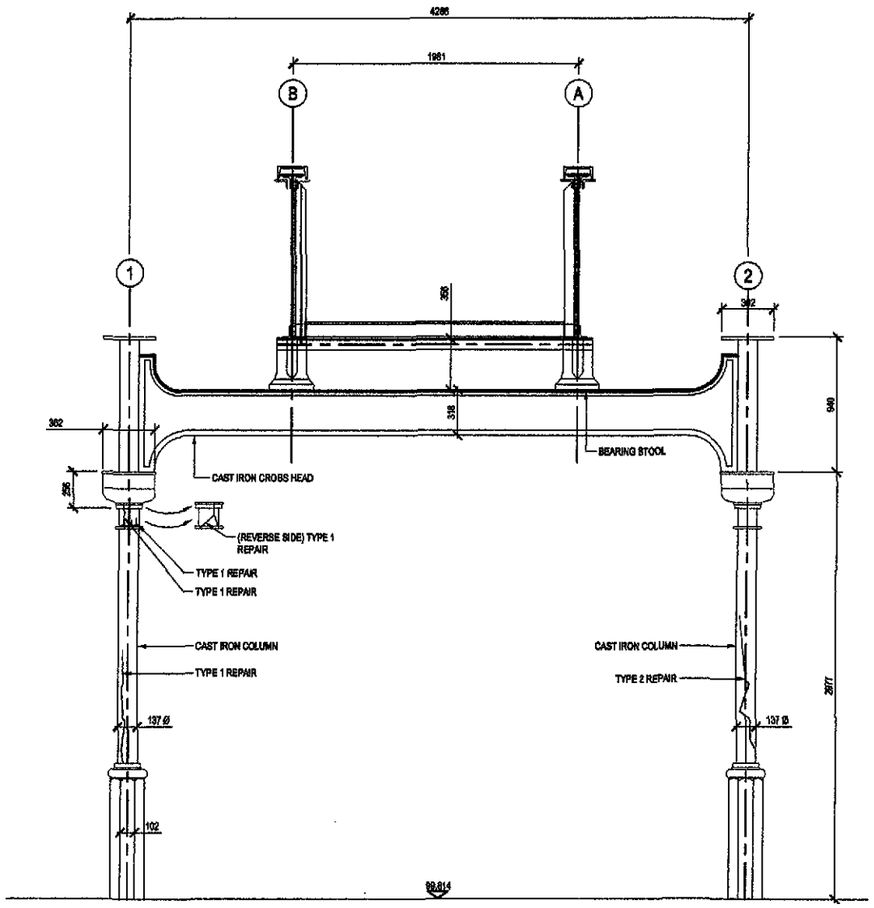
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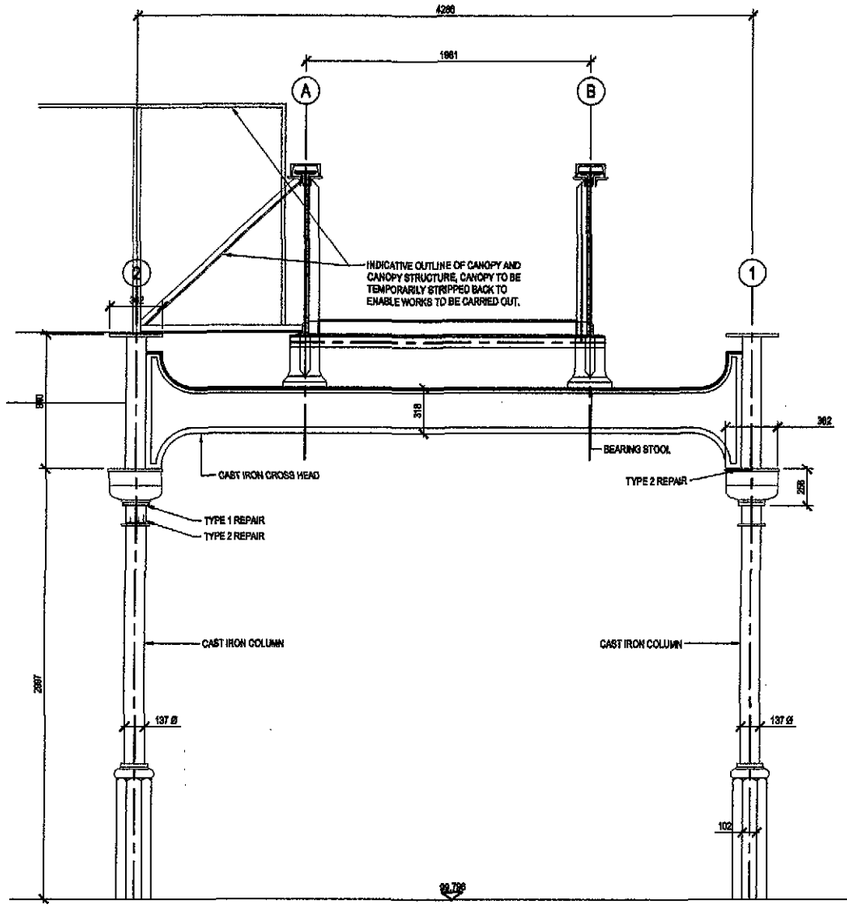
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C SECTION
105 SCALE 1:20
GRIDLINE 6
PLATFORM 2



D SECTION
105 SCALE 1:20
GRIDLINE 3
PLATFORM 1

SHDC
Planning & Development
0 1 OCT 2009
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Drawing Title:

FOOTBRIDGE STRENGTHENING
COLUMN REPAIR DETAILS

Scale at A1	Drawn By	Date	Checked By	Date	Approved By	Date
AS SHOWN	JGH	MAY'09	MJH	JUNE '09	MJH	JUNE '09

Project No.	Office	Type	Drawing No.	Revision
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