

NOT FOR CONSTRUCTION

For Final Review

Drawing Number
180077-OIL-WST-MLN1-DRG-EST-000007
B01

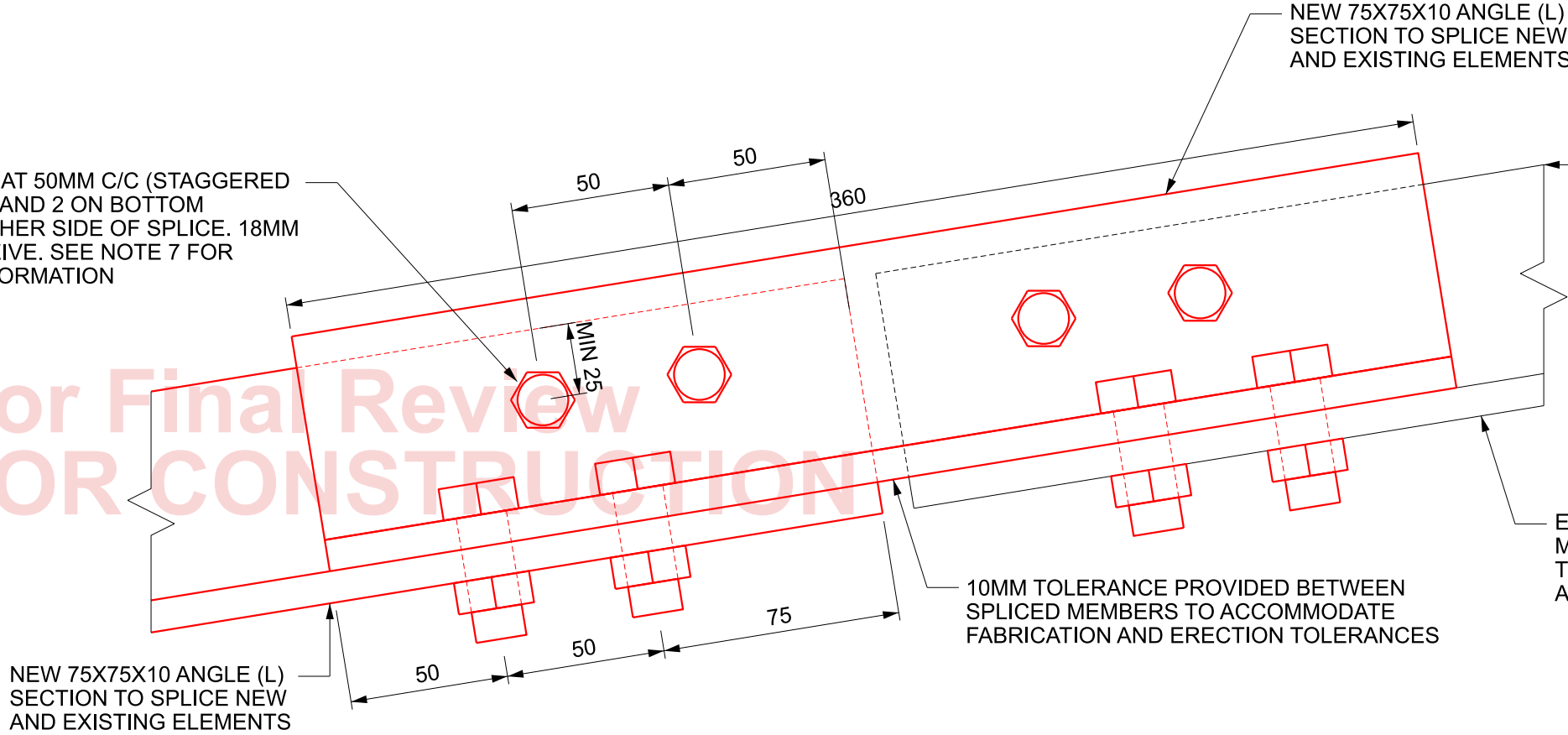
MID-SPAN BRACINGS HAVE BEEN CUT ON SITE. THE EXACT POINTS AT WHICH EACH BRACING HAVE BEEN CUT ARE UNKNOWN, AND THEREFORE LIKELY THAT THE REMAINING LENGTHS OF EACH BRACING VARY ACROSS THE SITE.

THE CONTRACTOR IS TO VERIFY ON SITE WHETHER THE EXISTING BRACING MEMBERS ARE OF SUFFICIENT LENGTH TO REACH AND CONNECT TO THE NEW VALANCE.

IF IT IS NOTED THAT THE BRACING IS TOO SHORT, A SPLCING OF THE ANGLE WILL BE REQUIRED AS DETAILED THE ELEVATION ON THIS DRAWING.

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4No. M16 BOLTS AT 50MM C/C (STAGGERED WITH 2 ON WEB AND 2 ON BOTTOM FLANGE) ON EITHER SIDE OF SPLICE. 18MM HOLES TO RECEIVE. SEE NOTE 7 FOR ADDITIONAL INFORMATION

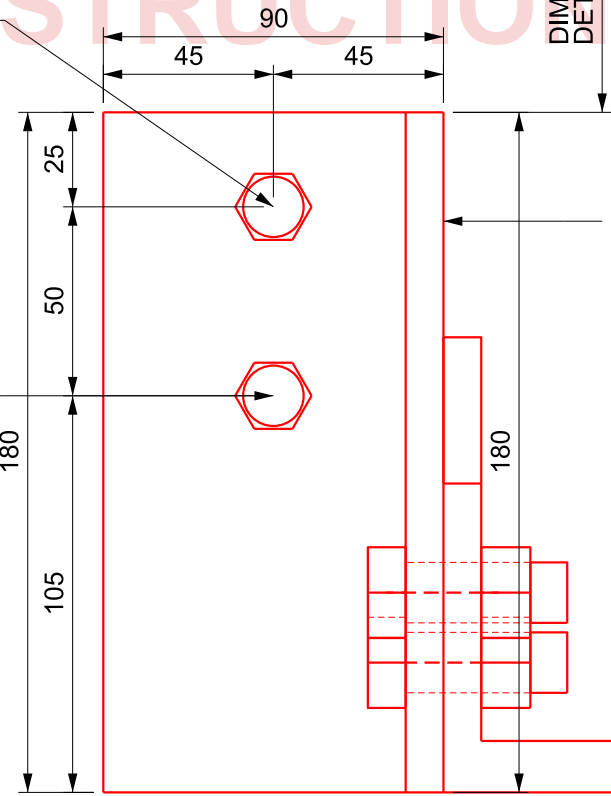


ELEVATION OF MID-SPAN BRACING
1:2

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HOLES IN EXISTING BRACING TO BE DRILLED ON SITE

2NO. 18MM DIA. HOLES TO RECEIVE M16 8.8 BOLTS. HOLE IN PROPOSED EDGE BEAM TO BE SITE DRILLED.



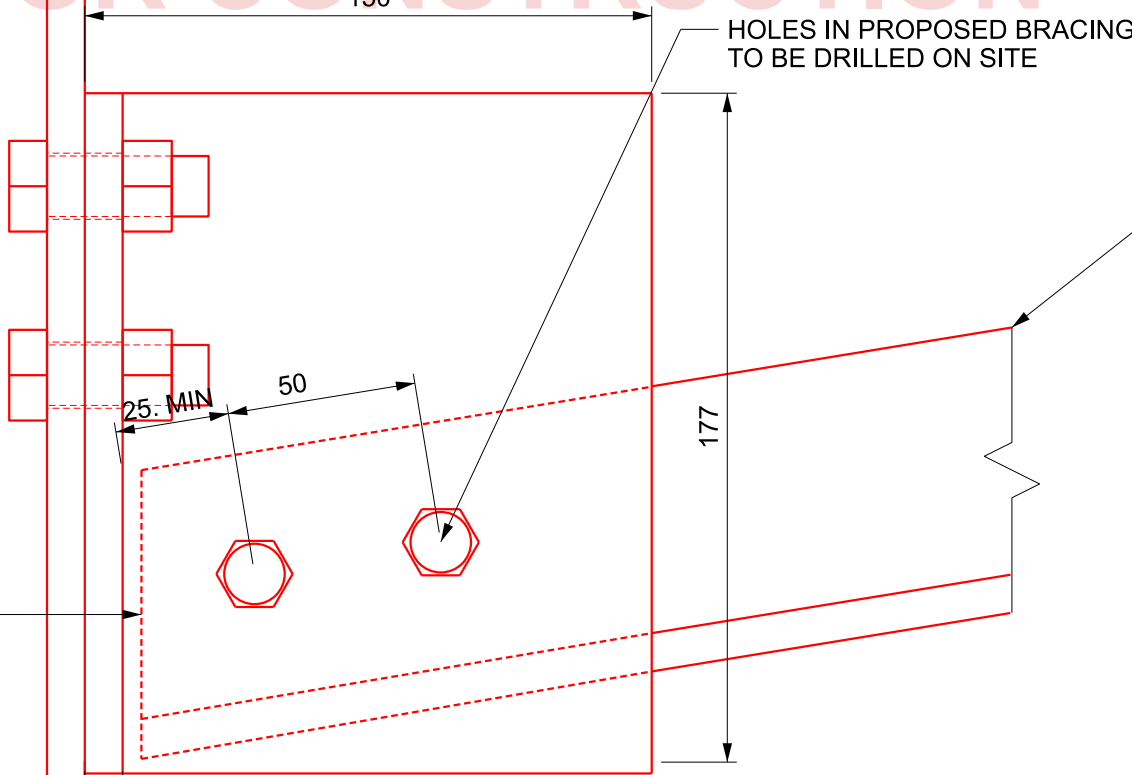
"L" BRACING CONNECTION TO PROPOSED EDGE BEAM
APPROX EVERY 9m
(VIEW LOOKING FROM PLATFORM TOWARDS TRACK)
1:2

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M16 BOLTS. SEE NOTE 7 FOR ADDITIONAL INFORMATION

NEW 75X75X10 ANGLE (L) SECTION

M16 BOLTS. SEE NOTE 7 FOR ADDITIONAL INFORMATION

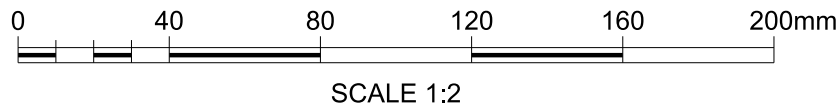


SECTION A
1:2

During the application of protective coatings, the top coat for both N1 and M24 shall be withheld until the final stage and applied simultaneously to both the new and renovated steel elements.

Stripe coating shall be applied around sharp edges and protruding components to ensure adequate coverage is achieved, including bolt heads, rivets, and section edges.

Interfaces between new and existing steel shall be sealed with a bead of sealant, in accordance with NR/L3/CIV/040, and compatible with the protective coating system i.Sikadur 31 or similar approved.



Legend/Notes

- All dimensions are in millimetres unless otherwise stated.
- Do not scale any items or information from this drawing.
- The dimensions have been taken from historical drawings.
- The drawing is based on the metallic structure repairs standard drawings NR/CIV/SD/801.
- Steel to be in accordance with BS EN 10025.
- Minimum grade of new steelwork to be S275.
- Bolts shall be class HR 8.8 to BS EN 14399-3 and supplied with direct tensions indicator washers and nuts to class HR8. Grade S10T tension control bolts may be used as an alternative.
- Steelwork shall comply with BS EN 1990-2 for execution class EXC3 and tolerance class 2.
- Metallic epoxy filler may be used to take out difference in level/profile between existing and proposed mating surfaces. It is not to be used as a packing material.
- All temporary bolts shall not be reused in the permanent works.
- Rivets are not to be removed, other than those indicated on the drawings- rivets are to be removed by approved mechanical techniques without damage to the existing structure. (See TUM for guidance).
- All temporary works to be arranged by the Contractor.
- Steelwork fabricator to check the steelwork dimensions prior to the fabrication. Fabricator to check the extent of section loss prior to fabrication to determine the precise length of the section.
- All dimensions must be checked on site prior to manufacture, or order.
- See Inspection Reports 180077-OIL-WST-MLN1-REP-ESU-000001 and 180077-OIL-WST-MLN1-REP-ESU-000003 for details on defects identified as part of this works.
- See drawing (180077-OIL-WST-MLN1-REP-ESU-000013) for summary of all repair materials.

Protective Treatment Notes:

- For general notes and Clauses refer to NR Specification NR/L3/CIV/140
- All metal work to be blast cleaned to ST3 to BS EN ISO 8501-3 prior to the application of any protective treatment
- Protective treatment system for new steelwork to be a N1 system with a performance life 15 of years.
- Protective treatment system for existing steelwork to be a M24 system with a performance life of 15 years.
- The system will be registered in Parts and Drawings Database (PADS), be certified compliant with the requirements defined in NR/L3/CIV/039 read in conjunction with NR/GN/CIV/002, be compliant with the contract performance requirements and accepted for use by the Engineer.
- Chippenham station to be painted to the current GWR Station design guidance Version 3.3 colour pallet:
 - Guttering - Black (RAL 9005).
 - Dagger boards - Fint Grey (00 A 09).
 - Canopy Steelwork (other than columns) - Fint Grey (00 A 09).

Safety, Health and Environmental Information

Notes below are additional to hazards/risks normally associated with this type of work:

Construction

Ci. Exposure to lead within surface coating

Cii. Injury from paint and steel particles

Ciii. Working at height

Civ. Falling objects

Cv. Structural failure during the construction phase

Cvi. Utility / service strike

Cvii. Transportation of materials into confined areas

Cviii. Construction activities within public areas

Cix. Hidden structural defects

These notes are based on the use of experienced and competent contractors carrying out the work using an approved safe method of working.

Key

Existing Structure

Proposed Repair

Reference Drawings

1880077-OIL-WST-MLN1-DRG-EST-000007 - Platform 1&2 Cutback Details

P01	11/08/25	First Issue	ME	SG	SG
P02	11/09/25	For NR Review	SG	SG	SG
P03	27/11/25	For NR Review	SG	SG	SG
B01	27/11/25	For NR Review	SG	SG	SG

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability

Fit for Internal Review & Comment

S3



Authorised

Signed

Date

Contractor(s)

Octavius Infrastructure

Location
PADDINGTON-BRISTOL-PENZANCE

Type
CAD Drawing

Sub-type
Detail

Role
Structural Engineer

Sub-Role
Building Structures

Zone
Western Region

Phasing
Project Stage

Region

Wales and Western

Contract No.

180077

Contract Title

Chippenham Station Canopy

Drawing Title

Chippenham Station

Platform 1&2

Edge Beam Midspan

Bracing Connection

Designed	R.Williams	Signed	Date	27/11/25
Drawn	S.Gajewski	Signed	Date	27/11/25
Checked	S.Gajewski	Signed	Date	27/11/25
Approved	S.Gajewski	Signed	Date	27/11/25

Scale(s)
As Shown

ELR & Mileage
93.1685 to 93.1685

Alternative Reference

Sheet

Drawing Number

180077-OIL-WST-MLN1-DRG-EST-000007

Revision
B01



DR-EST-002

Station canopies are Grade II listed and that all works on the station are subjected to appropriate planning permissions and consents.