

Drawing Number
R90528-GGP-STS-MAN-DR-C-000004

C01

NETWORK RAIL PAINT SPEC FOR NEW METAL WORK FROM NRL3/CIV/040					
REFERENCE NUMBER	TITLE	SURFACE PREPERATION	COAT B (SEALER)	COAT C (INTERMEDIATE COAT)	COAT D (TOP COAT)
N1	THERMALLY SPRAYED METAL/EPOXY PROTECTIVE SYSTEM	BLAST-CLEAN TO SA3 (BS EN ISO 8501-1). SURFACE PROFILE WITHIN THE RANGE OF 70-100um	METAGARD L574 BLAST PRIMER - THICKNESS 20um	SELECT FROM EPIGRIP C402V2 ZINC PHOSPHATE PRIMER/BUILDCOAT - THICKNESS 150um.	RESISTEX C137V2 SPECIAL FINISH - THICKNESS 50um.

METALWORK NOTES:

- METALWORK REPAIR DIMENSIONS & DETAILS TO BE CONFIRMED BY FABRICATOR PRIOR TO FABRICATION BY MEANS OF TEMPLATING OR SIMILAR
- ALL PLATE SIZES DIMENSION TO SUIT EXISTING FLANGE / WEB / RIVET LAYOUT
- EXISTING RIVET HOLES TO BE CHECKED BY CONTRACTOR FOLLOWING THE REMOVAL OF EXISTING RIVETS
- ALL NEW BOLT HOLES TO BE MIN 2mm GREATER THAN BOLT SIZE
- CUTS MADE TO METALWORK WITH ANGLE GRINDER OR SIMILAR. CONTRACTOR TO CONFIRM
- ALL WATER TRAPS BETWEEN ELEMENTS TO BE FILLED WITH SIKADUR SEALANT PRIOR TO PAINTING

NETWORK RAIL MAINTENANCE PAINT SPEC FROM NR/L3/CIV/040						
REFERENCE NUMBER	TITLE	SUBSTRATE	COAT A	COAT B	COAT C (INTERMEDIATE COAT)	COAT D (TOP COAT)
M24	PROTECTIVE TREATMENT FOR PATCH REPAIR OF AGED ALKYD EXISTING STRUCTURES USING DURABLE TWO PACK PROTECTIVE TREATMENT	EXISTING IRON OR STEEL WITH AGED ALKYD PROTECTIVE TREATMENT SPOT-BLAST CLEANED TO A SURFACE STANDARD Sa 2 ½ (BS 7079 PART A1) AND A SURFACE PROFILE MEAN PEAK TO VALLEY HEIGHT OF 75-100µM OR CLEANED USING HAND OR POWER TOOLS ON SURFACE STANDARD Si3 (BS 7079:PART A1)	ITEM 7.1.5 SURFACE TOLERANT EPOXY PRIMER WITH MINIMUM DFT 100µM		SELECT FROM THE FOLLOWING WITH DFT MINIMUM 100µM: - ITEM 7.1.6. SURFACE TOLERANT EPOXY UNDERCOAT (MIO) - ITEM 7.1.7. HIGH BUILD SURFACE TOLERANT EPOXY UNDERCOAT	SELECT FROM THE FOLLOWING WITH DFT MINIMUM 50µM: - ITEM 7.3.1. ACRYLIC URETHANE TOP COAT - ITEM 7.3.2. EPOXY ACRYLIC TOP COAT - ITEM 7.3.3. FLUOROPOLYMER TOP COAT - ITEM 7.3.4. POLYSILOXANE TOP COAT

NOTE:
DEVCON PUTTY TO BE USED TO FILL AREAS OF PITTING AND UNEVENNESS FOLLOWING PREPARATION OF FAYING SURFACES.

FAYING SURFACES TO BE PREP'D TO SA2½ (0.5-09µ). WHERE CORROSION TO FAYING SURFACE CANNOT BE PREVENTED BY MASKING IN THE SHORT TERM, FAYING SURFACES ARE TO BE PREPARED WITH BLAST PRIMER COMPATIBLE WITH CHOSEN PAINT SYSTEM.

PRIMER TO PROVIDE MINIMUM SLIP FACTOR OF 0.45µ AS PER NR/CIV/SD/800 REV F.

NOTE:
SECTIONS OF THE NEW PLATE THAT WILL BE IN CONTACT WITH BOLT HEADS AND WASHERS ARE TO BE CLEAR OF ANY PAINT TO ENSURE THERE IS SUFFICIENT FRICTION BETWEEN THE TWO ELEMENTS.

NOTE:
REPAIRS TO UNDERTAKEN IN ACCORDANCE WITH TECHNICAL USER MANUAL

NOTE:
PREPARATION & PAINTING OF NEW STEELWORK IS TO BE UNDERTAKEN OFF SITE PRIOR TO BEING BROUGHT TO SITE.

APPROVED FOR CONSTRUCTION			
	PRINTED NAME	SIGNATURE	DATE
NETWORK RAIL			
C.E.M		Ricky Bailey Digitally signed by Ricky Bailey DN: cn=Ricky Bailey, o=GB, ou=AMCO GIFFEN, ou=HW&C, email=Ricky.Bailey@amhcoiffen.co.uk Date: 2024.08.09 13:59:58 +01'00'	

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

Significant risks relating to the works of which this design relates are identified below:

Identified significant risks:

- Working at Height - Works to be carried out from a scaffold erected by trained & competent operatives or a Mobile Elevated Working Platform operated by trained operatives. With suitable platform / line closures where required.
- Falling Objects - Contractor is to ensure due care & diligence is undertaken on site as roof / truss is located above station platform. Due to the nature of the works suitable platform closure & line blocks may be required.
- OLE - Contractor is to ensure all works remain 2.75m away from OLE whilst not having isolation. If not possible isolations are to be agreed.
- Working Adjacent To Live Rail Traffic - Contractor to ensure adequate protection to be arranged as required. Work site limits are to be clearly marked. All staff are to be PTS certified with a COSS at all times. Green zone working where possible.
- Fabricated Steel Not Matching Existing - Contractor to measure and template existing metalwork recording dimensions such as the curvature of the beam, rivet spacings and flange thickness before fabrication of the new steelwork.
- Night Work - Adequate lighting is to be used at all times. (Suitable high visibility PPE, torches & head torches)
- Metal Work Repairs - Suitable PPE to be worn including masks, gloves & goggles. Suitable washing facilities to be present on site.

This drawing is to be used only for the purpose of the issue it was intended for.

For information relating to end use, maintenance, demolition, see Health & Safety files.

It is assumed that works will be undertaken by a competent Contractor to an approved method statement.

Legend / Notes

1.

ALL DIMENSIONS MUST BE CHECKED ON SITE AND NOT SCALED FROM THIS DRAWING. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

2.

THE DIMENSIONS INCLUDING LEVELS AND SETTING OUT INFORMATION SHALL BE CONFIRMED ON SITE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF THE WORKS. THE CONTRACTOR MUST VERIFY ALL SERVICES IN THE VICINITY OF THE PROPOSED WORKS BOTH VISUALLY AND USING APPROVED CAT SCANNER AND GENNY.

3.

THE DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING DOCUMENTS:
-R90528-GGP-STS-MAN-FOH-C-001 B01

4.

ALL WORK TO BE IN ACCORDANCE WITH THE NETWORK RAIL COMPANY STANDARD OF NRL3/CIV/140, MODEL CLAUSES FOR SPECIFYING CIVIL ENGINEERING WORKS SECTION 50 52 AND 80.

KEY

EXISTING

EXISTING TO BE MODIFIED

PROPOSED

TO BE REMOVED

HAZARD

DEFECT

C01	09/08/24	APPROVED FOR CONSTRUCTION	Z.H	J.H	R.G
B02	07/08/24	ISSUED FOR INFORMATION	Z.H	J.H	R.G
B01	15/07/24	ISSUED FOR INFORMATION	Z.H	J.H	R.G
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status	APPROVED FOR CONSTRUCTION				Subsibility S4

Contractor(s)

AMCO GIFFEN

GGP CONSULT

Project

MANCHESTER PICCADILY TRAIN SHED ROOF REPAIR

Drawing Title

NOTES & PAINT SPECIFICATIONS

Designed	W. WANG	Signed		Date	09/08/24
Drawn	Z. HUNT	Signed		Date	09/08/24
Checked	J. HARTLEY	Signed		Date	09/08/24
Approved	R. GALLOWAY	Signed		Date	09/08/24
Scales(s)	AS SHOWN @A1		ELR & Mileage CMP2 188m 1562yds		
Alternative Reference	N/A			Sheet	04 of 04
Drawing Number	R90528-GGP-STS-MAN-DR-C-000004				Revision C01

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Sheet Size A1 594 x 841