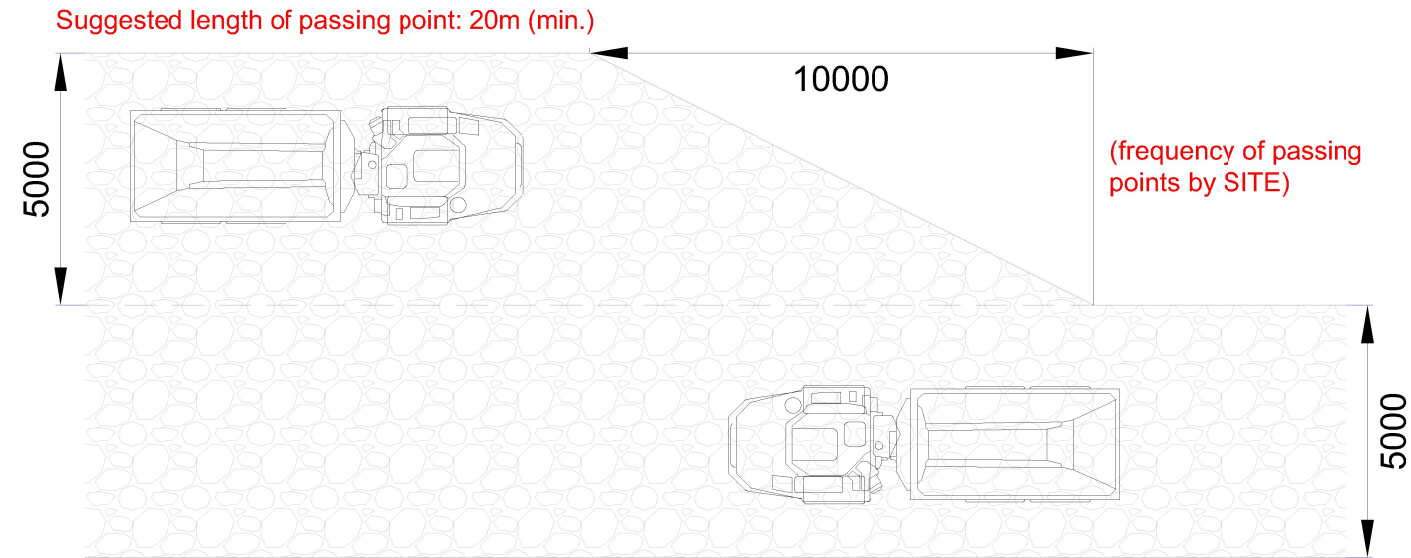
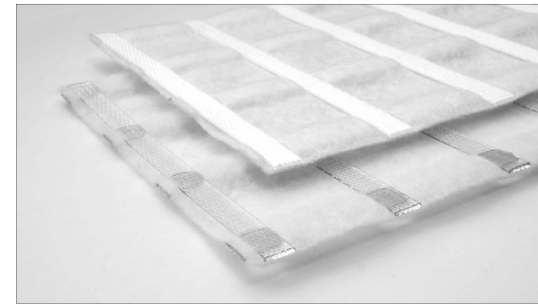
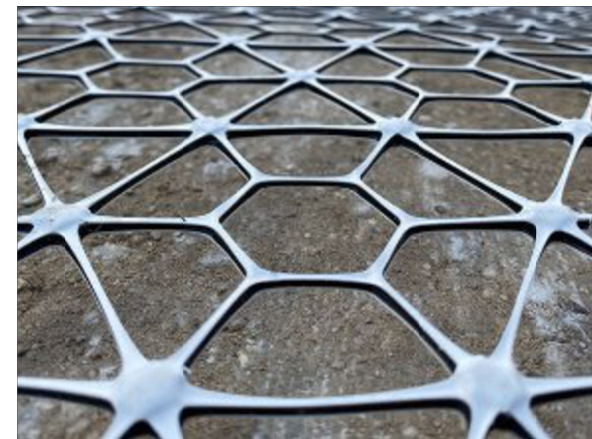




PLAN
ACCESS ROAD PASSING AREA



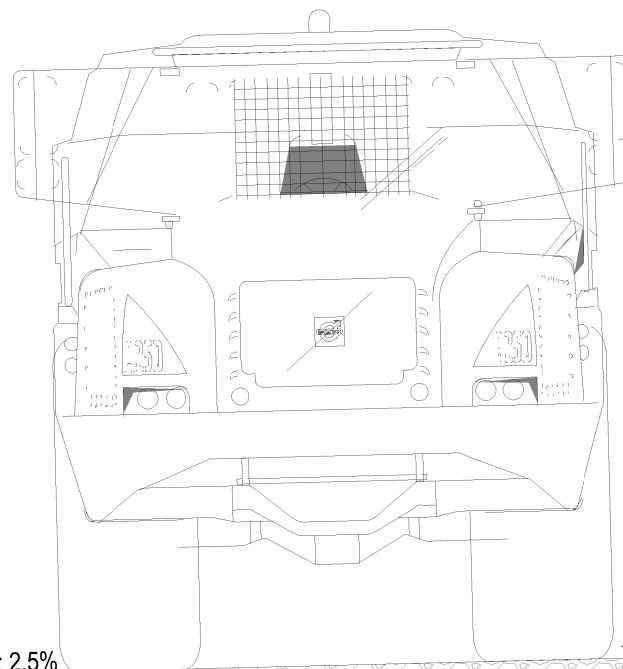
NAUE Combigrd 40/40



Tensar InterAx

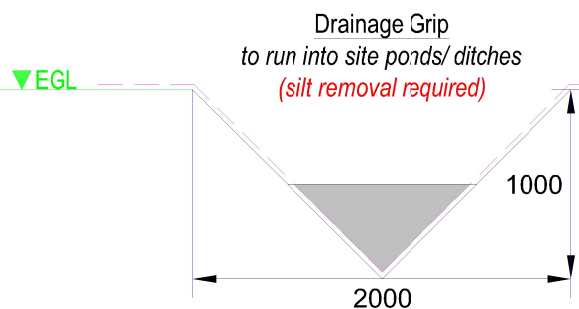
Construction Sequence:

1. Topsoil strip haul road area,
2. Proof roll formation and remediate any soft spots with compacted 6F5,
3. Test for CBR at formation level,
4. Install:
 - i) Terram T1000 (unreinforced), **OR**
 - ii) NAUE Combigrd 40/40 (reinforced), **OR**
 - iii) Terram T1000 & Tensar Interax (stabilised)across entirety of topsoil stripped area in accordance with manufacturer's instructions.
5. Place and compact required haul road thickness as per *Haul Road Stone Thickness* table in accordance with SfHWs Series 600 - Table 6/4 (Method Compaction).



Haul Road Stone Thickness, mm			
CBR, %	Unreinforced	Reinforced (NAUE Combigrd 40/40)	Stabilised (Tensar InterAx)
<1	Contact Temporary Works Department		
1	560	380	400
2	430	225	350
3	330	150	280
4	225		230
5≤	225		200

Minimum edge distance = 150mm
TO BE MANAGED BY SITE



SECTION
HAUL ROAD CONSTRUCTION DETAIL

Quarried 6F5 granular fill

Haul Road Options	
	Geotextile
OPTION A	Terram T1000
OPTION B	NAUE Combigrd 40/40
OPTION C	Tensar Interax Terram T1000

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Health, Safety and Environmental Risks

RA Number | CRXSS076-BBR-00-XX-RA-W-0001

Risk No	Risk
01	Incorrect installation of TWs
02	Overloading surrounding ground
03	Local ground failure - inadequate ground strength parameters
04	Damage to underground services

ZERO HARM
MAKE SAFETY PERSONAL

SUSTAINABILITY
a collective responsibility

Notes

- Dimensions in mm: UNO
- Route to be determined by SITE
- Surface rut depth: 75mm
- It is recommended to install wheel washing facilities at all exit points to remove loose material from vehicles accessing public roads from site
- CBR tests to be completed at formation level to inform haul road construction. Results to be sent to BB TWs department for review
- 6F5 granular fill to be placed and compacted in accordance with *Specification for Highways Works Series 600 (Table 6/1 & Table 6/4)*
- All soft spots/ rutting to be removed and replaced with 6F5 granular fill in accordance with *IAN 73/06 Design Guidance for Road Pavement Foundations*
- Design does NOT allow for areas of high water table/ flood conditions within 1m of finished platform level. Separate design is required for this situation.

Loads Considered (**Total ESA: 4,107,009**):

- Site vehicles up to 3.5T: **50,000 vehicle passes**
- Moxy MT36 dump truck: **50,000 vehicle passes**
- 4-axle rigid HGV: **10,000 vehicle passes**
- 6m³ concrete wagon: **10,000 vehicle passes**
- Telehandler: **10,000 vehicle passes**
- Bauer BG30 Piling rig: **200 vehicle passes**
- Demag 350t Crane: **200 vehicle passes**

GI report: GE21309/GAR/DEC22

Revision	Description	Date	Des	Chk
P1	Preliminary	24/07/24	TA	Site

Designer

Balfour Beatty

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Client



**WOKINGHAM
BOROUGH COUNCIL**

Paper Size	Scale	Designer	Checker
A3	NTS	TA	Site

Project

CRXSS076 South Wokingham Distributor Road

Drawing Title

Traditional Haul Road

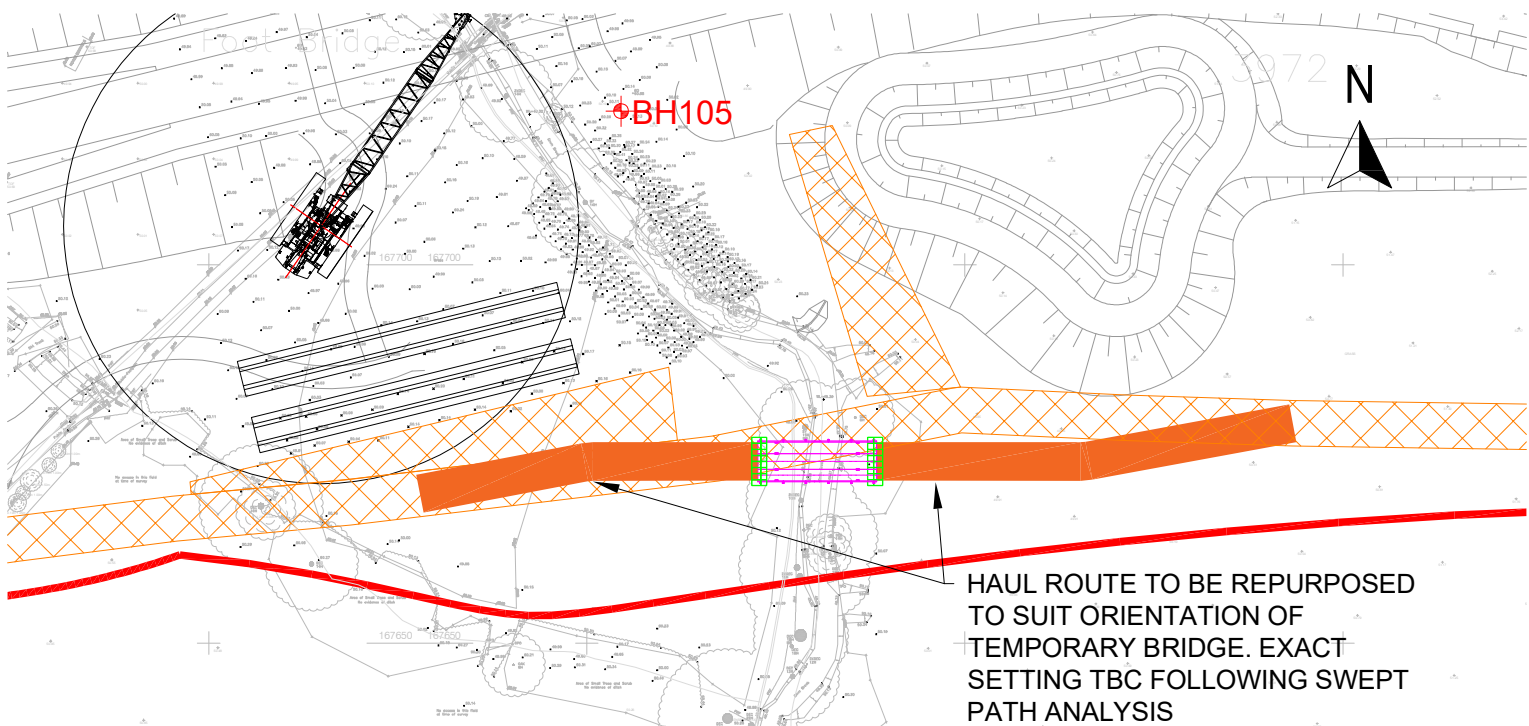
Status

Preliminary - For Pricing Purposes

Client Drawing Number	Revision
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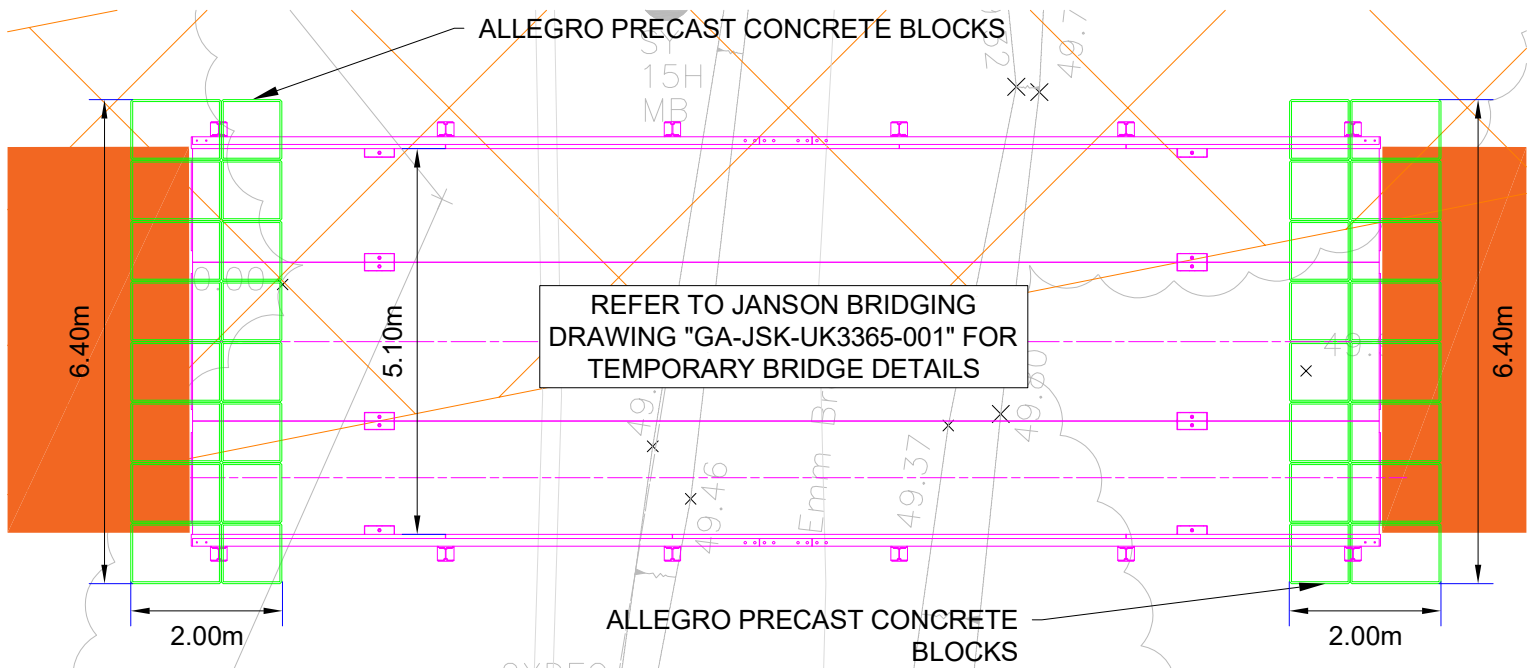
Drawing Number	Revision
CRXSS076-BBR-00-XX-DR-W-0001	P1

0mm Scale 1:1 40mm Scale 1:1 80mm



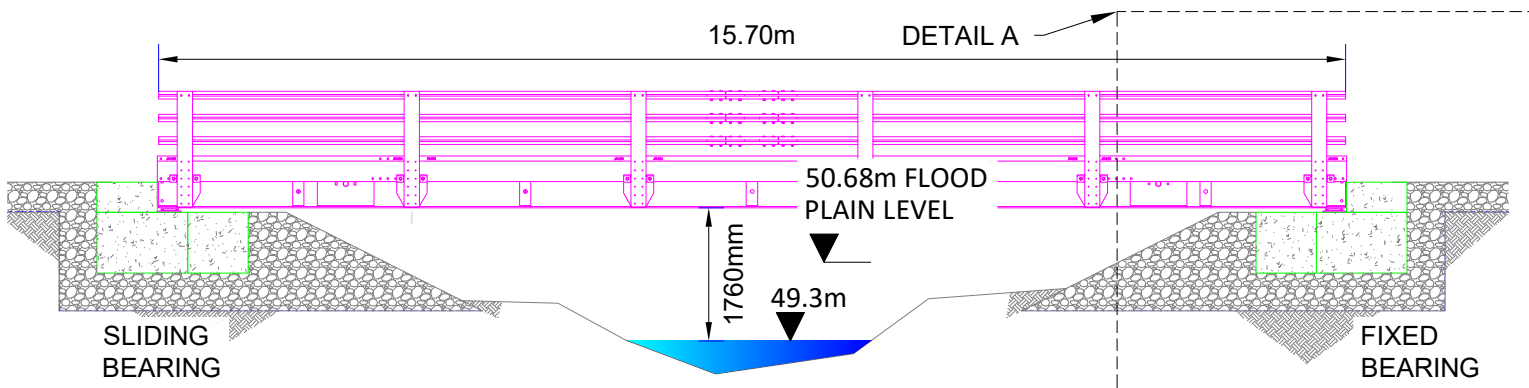
SITE PLAN

SCALE 1:1000



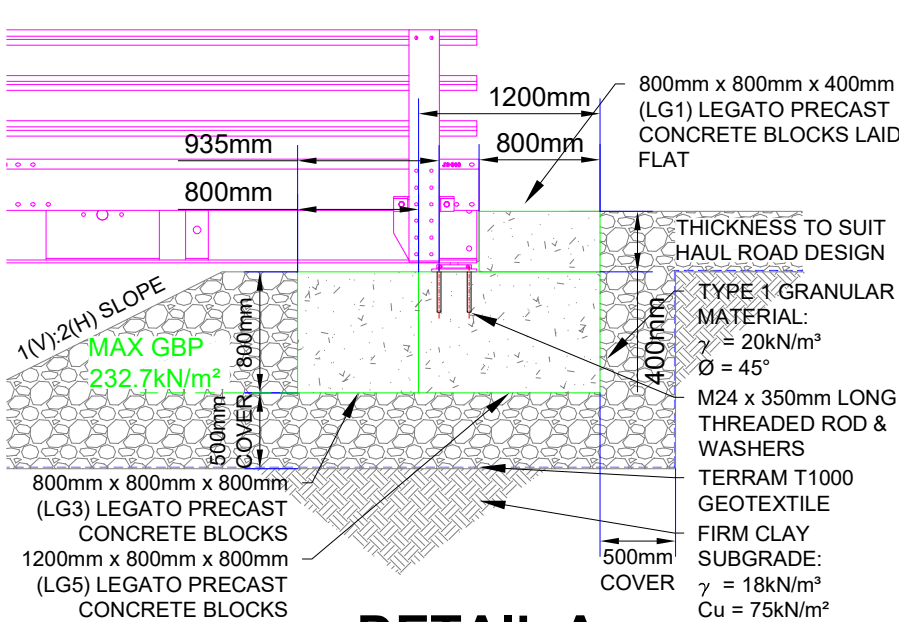
TEMPORARY BRIDGE PLAN VIEW

SCALE 1:100



TEMPORARY BRIDGE ELEVATION VIEW

SCALE 1:100



DETAIL A

SCALE 1:50

PLATFORM CONSTRUCTION SEQUENCE:

- REMOVE TOPSOIL, PROOF-ROLL FORMATION LEVEL AND BACKFILL ANY ENCOUNTERED SOFT SPOTS
- CARRY OUT 2No HAND SHEAR VANE TESTS AT EACH ABUTMENT TO MINIMUM 75kPa VALUE AND REPORT TESTS BACK TO TWD.
- LAY TERRAM T1000 GEOTEXTILE AT FORMATION LEVEL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- INSTALL TYPE 1 STONE COVER IN 150mm LAYERS (TOTAL 500mm DEPTH) COMPACTED IN ACCORDANCE WITH SfHW SERIES 800.
- CARRY OUT PLATE BEARING TESTS AT FINISHED TYPE 1 COVER.
- INSTALL EASI-BLOC PRECAST BLOCKS IN THE ARRANGEMENT SHOWN IN ELEVATION.
- INSTALL M24 HILTI HAS-U THREADED ROD WITH HIT-HY 200-A V3 INJECTION MORTAR WITH 290mm EMBEDMENT. LOCATION OF HOLES INLINE WITH "GA-JSK-UK3365-001" TEMPORARY BRIDGE DETAILS DRAWING. HOLES TO BE CORE DRILLED (WITH ROUGHENING TOOL) PER ETA 19/0601, WITH ANNULAR GAPS FILLED WITH HILTI FILLING SET OR ANY SUITABLE GAP SOLUTIONS
- CARRY OUT INSTALLATION OF TEMPORARY BRIDGE IN STRICT ACCORDANCE WITH SUPPLIER'S MANUAL.

PLATE BEARING TEST TO BE COMPLETED AT FINISHED PLATFORM LEVEL (2No TESTS PER ABUTMENT):

- MAXIMUM GBP: 465kN/m² (2.0 F.O.S)
- TEST LOAD 132kN (600mm Ø PLATE) OR 74kN (450mm Ø PLATE)
- KENTLEDGE 26.4t (600mm Ø PLATE) OR 14.8t (450mm Ø PLATE) (2.0 F.O.S)
- MAXIMUM SETTLEMENT 20.5mm (600mm Ø PLATE) OR 16.3mm (450mm Ø PLATE)

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Health, Safety and Environmental Risks

RA Number	CRXSS080-BBR-00-XX-RA-W-0006
Risk No	Risk
01	Local ground failure - inadequate ground strength parameters
02	Plant machinery different from design
03	Ground vibration/settlement
04	Buried services and adjacent substructures
05	Platform access, construction and maintenance
06	Working adjacent to Emm Brook River watercourse
07	Lifting operations - installing PCC units
08	Flooding of Emm Brook River

ZEROHARM

MAKE SAFETY PERSONAL

SUSTAINABILITY

a collective responsibility

Notes

- Dimensions in mm UNO
- Route to be determined by SITE
- Type 1 material fill to be placed and compacted in accordance with Specification for Highways Works Series 800
- All soft spots to be removed and replaced with 6F5 granular fill in accordance with IAN 73/06 Design Guidance for Road Pavement Foundations
- All services should be located and confirmed not to clash with the works, site to report back to TWD in the event of a clash.
- Vehicle impact loading has not been considered. Site to contact TWD if impact loading is a significant risk
- Grout to underside of baseplates to be 20mm thick high strength non-shrinkable grout (Min. 35MPa compressive strength). Grout to achieve minimum compressive strength before loading.
- Emm Brook river nominal water level assumed to be 49.3m with maximum flood plain level to be 50.68m. Site to contact TWD if water level is recorded to be different.
- Refer to Janson Bridging drawing GA-JSK-UK3365-001-R00 for details of temporary bridge
- Temporary Works Coordinator to review Pre-construction design drawing in contract stage and confirm validity of TWs design in line with construction stage information.

GI report: WMHP-TG-SRWG1-RP-GE-0601

Document History

Revision	Description	Date	Des	Chk
P1	Preliminary	30.08.24	TA	Site
P2	Construction issue	11.10.24	TA	AC

Designer

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Client

WOKINGHAM BOROUGH COUNCIL

Paper	Size	Scale	Designer	Checker
A3	As Shown	TA	AC	

Project

CRXSS080 South Wokingham Distributor Road

Drawing Title

Emm Brook Temporary Bridge Foundations

Status

Construction

Client Drawing Number	Revision
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Drawing Number	Revision
CRXSS080-BBR-00-XX-DR-W-0005	C01

0mm

Scale 1:1

40mm

Scale 1:1

80mm