Supplementary Information

The following information is associated with Network Rail Standard:
NR CIV/SD/1501 Rev B

Additional Content Access

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CAD Drawing

- CIV/SD/1501

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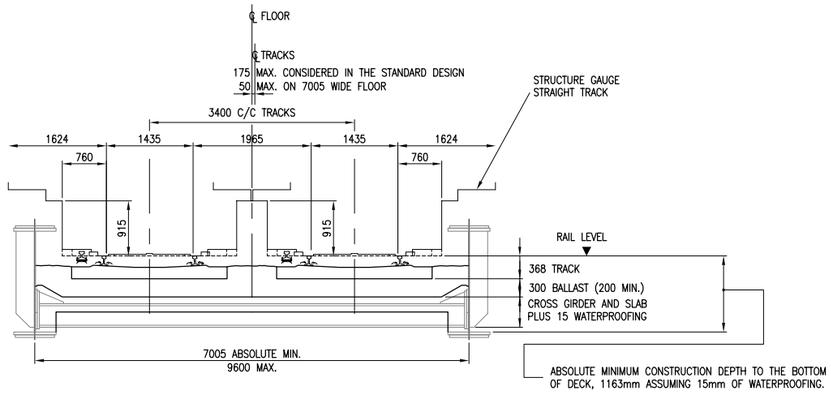
FILLER BEAM FLOOR – BALLAST DEPTHS 200mm TO 400mm

TYPE



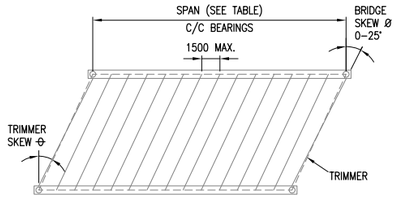
DOUBLE TRACK

SPAN RANGE

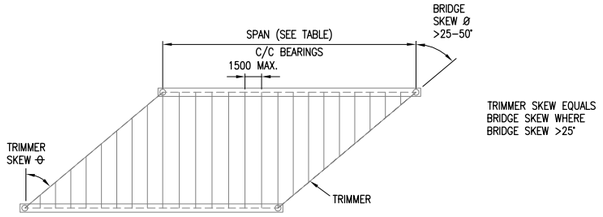
12 TO 30 METRES

ARRANGEMENT OF FLOOR & CROSS GIRDERS

REFER TO TABLE FOR GUIDANCE ON CROSS GIRDER ARRANGEMENT FOR (APPROXIMATE) SPANS

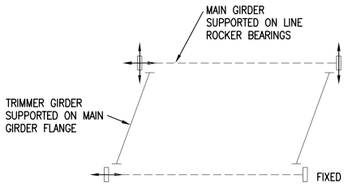


SKEWED CROSS GIRDERS

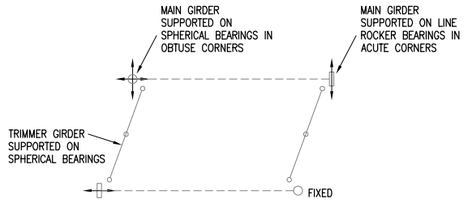


TRIMMED CROSS GIRDERS

MAIN GIRDER AND TRIMMER GIRDER ARTICULATION

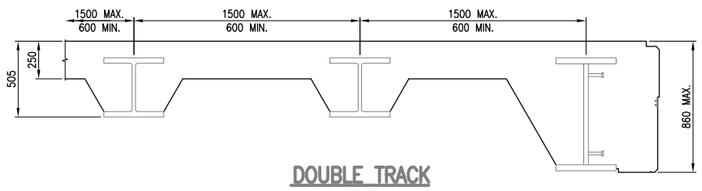


ALL SKEWS FROM SQUARE TO 25 DEGREES (DOUBLE TRACK)



ALL SKEWS FROM 25 TO 50 DEGREES (DOUBLE TRACK)

FLOOR



DOUBLE TRACK

	FILLER BEAM FLOORS (RAIL TO TOP OF BOTTOM FLANGE)	
GIRDER TYPE	DOUBLE	DOUBLE
TRACK DEPTH	368mm	368mm
BALLAST DEPTH	200mm	300mm
TOTAL DEPTH	1163mm	1263mm

NOTE.
TOTAL CONSTRUCTION DEPTH: ADD BOTTOM FLANGE THICKNESS, AND ANY DOUBLER TO FIGURES PROVIDED. TO BE DETERMINED BY SCHEME DESIGNER.

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NOTES

1. LIMITS OF APPLICABILITY.

   WHERE NARROW FLOORS ARE SPECIFIED OR THE TRACK IS OFFSET FROM THE DECK CENTRELINE OR THE TRACK CURVED, THE DESIGNER SHALL ENSURE SUITABLE CLEARANCE BETWEEN THE TRACK (INCLUDING SLEEPERS) AND THE INFRASTRUCTURE ABOVE AND BELOW BALLAST LEVEL.

2. CROSS GIRDER ARRANGEMENT

   THE TABLE BELOW INDICATES THE ARRANGEMENT OF CROSS GIRDERS FOR DIFFERENT SPAN AND SKEW ARRANGEMENTS. THE TABLE IS INDICATIVE ONLY AND THE DESIGNER MUST SELECT THE APPROPRIATE ARRANGEMENT FOR THE SCHEME SPECIFIC SKEW, SPAN AND FLOOR WIDTH.

SKEW (DEGREES)	SPAN (APPROX)	TRACK TYPE	CROSS GIRDER ARRANGEMENT
0 TO <25	12m TO 30m	DOUBLE	SKEWED
>25	12m TO 30m	DOUBLE	TRIMMED

Rev	Date	Description of revision	Design'd	C'kd
B	MAY 10	EUROCODE ISSUE	LZ	IP
A	18.09.09	FIRST ISSUE	LZ	IP
P1	09.04.09	INDEPENDENT CHECK	LZ	IP

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	Name	Position	Signature	Date
Approved	Paul Clark	Snr. Proj. Eng. Manager Infrastructure Investment Building and Civils	P.C.	MAY 10

Master copy with original signatures held by Network Rail HQ CIVIL ENGINEERING STANDARD DESIGN

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'E' TYPE UNDERBRIDGE STANDARD DRAWINGS

GENERAL INFORMATION
KEY TO TYPES
FILLER BEAM FLOOR

Scale: AS SHOWN

Drawing Number: NR/CIV/SD/1501 B