Supplementary Information

The following information is associated with Network Rail Standard:
NR CIV/SD/1011 Rev B

Additional Content Access

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CAD Drawing

- CIV/SD/1011

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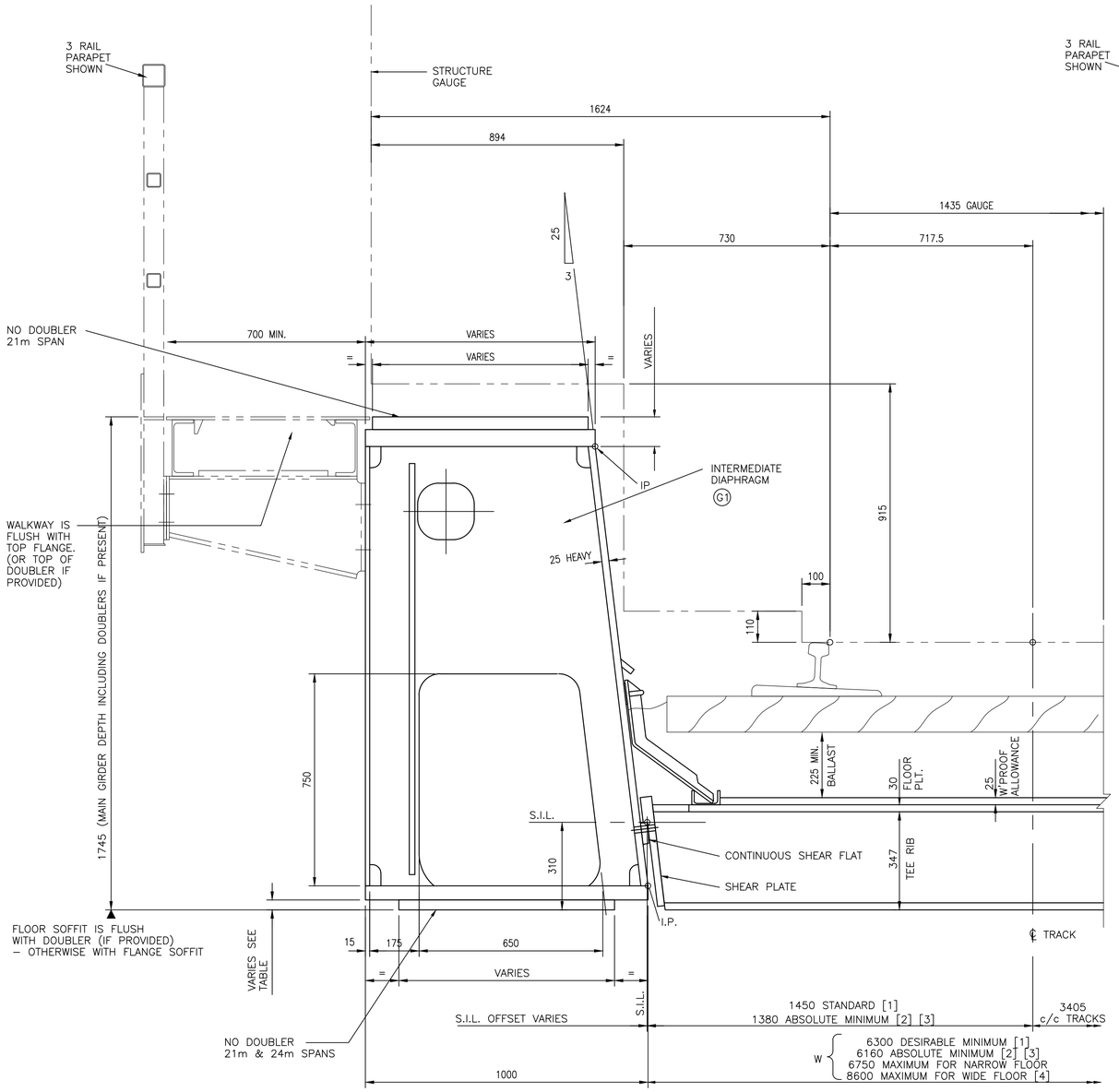
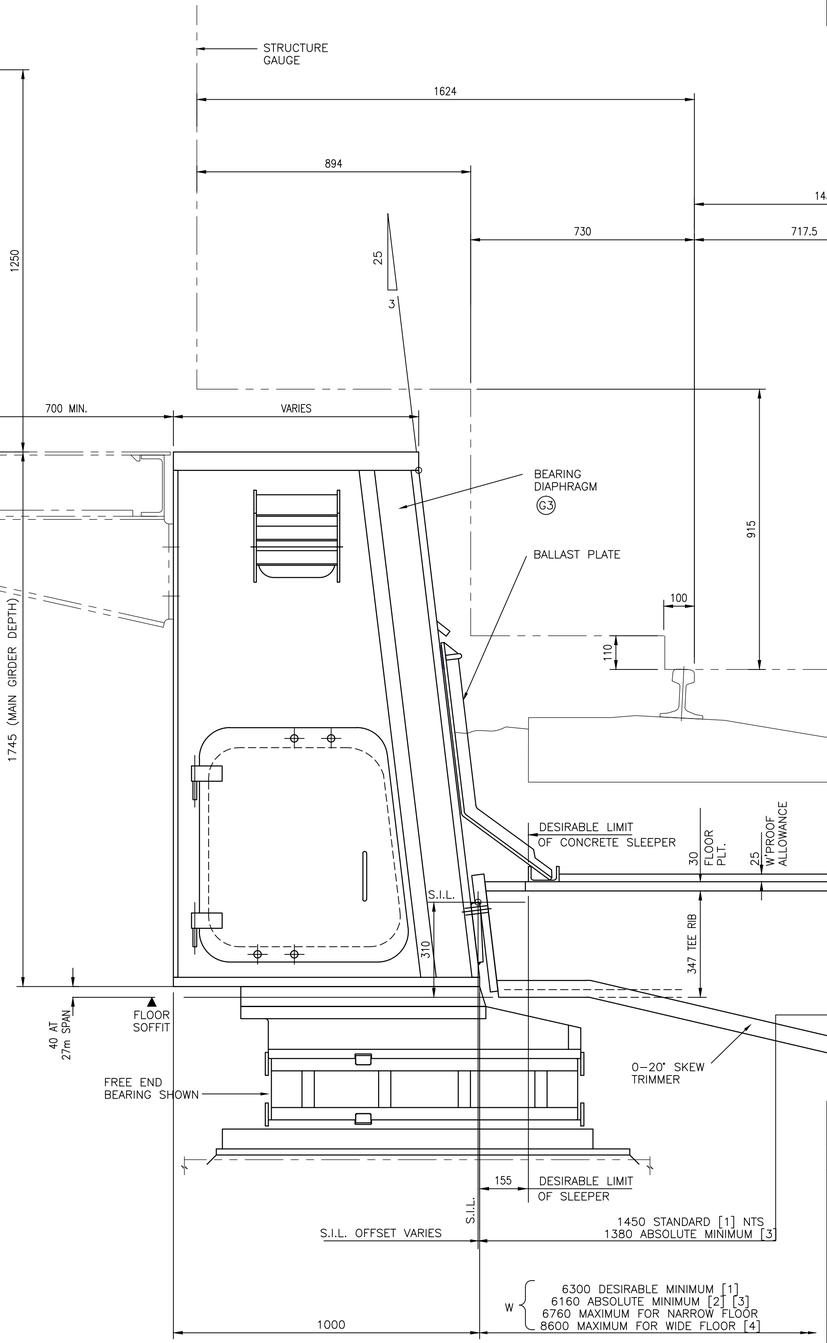
DRAWING No. NR/CIV/SD/1011



PART SECTION AT MIDSPAN

(DRAWN FOR 24m SPAN–HEAVY GIRDERS, SKEW UP TO 30°)

NOTE: THIS DEMONSTRATES MINIMUM CLEARANCES TO MAIN GIRDER & PARAPET (USING ABSOLUTE MINIMUM OF 1370)



PART SECTION AT BEARING

(DRAWN FOR 24m SPAN–HEAVY GIRDERS, SKEW UP TO 30°)

NOTE: THIS DEMONSTRATES MINIMUM HEIGHT OF MAIN GIRDER ABOVE RAIL LEVEL & MAXIMUM BALLAST DEPTH (DRAWN FOR 1450 STANDARD)

Rev	Date	Description of revision	Design'd	C'kd
B	Dec 10	EUROCODE ISSUE	CH	MM
A	Dec 09	ORIGINAL ISSUE	CH	MM

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Approved	P Clark	Senior Programme Engineering Manager (Building & Civils)	P.C.	Dec–10
	Name	Position	Signature	Date

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

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STANDARD HALF THROUGH UNDERBRIDGES BOX GIRDERS & TRANSVERSE RIBBED FLOORS

DOUBLE TRACK – 2 GIRDERS

TYPICAL CROSS SECTIONS 21, 24 & 27m SPANS

Scale	1:10	
Drawing Number	NR/CIV/SD/1011	B

27m SPAN–HEAVY GIRDER
(SHOWING MINUS S.I.L. OFFSET)

KEY [1] STANDARD DIMENSION SHOULD BE USED WHEREVER POSSIBLE SO THAT THE SLEEPER DOES NOT PROJECT BEYOND EDGE OF THE BALLAST PLATE. DIMENSION IS MINIMUM FOR STRAIGHT TRACK & MUST BE INCREASED ON CURVED TRACK FOR TRACK RADIUS, THROW & CANT.

KEY [2] USE TIMBER SLEEPERS IF LESS THAN STANDARD.

KEY [3] DIMENSION IS MINIMUM FOR STRAIGHT TRACK AND MUST BE INCREASED ON CURVED TRACK FOR TRACK RADIUS, THROW & CANT.

KEY [4] DEPTH OF FLOOR TEE RIB 415mm.

DIMENSIONS ALLOW FOR ±25mm TOLERANCE FOR POSITIONING OF TRACK PLUS ±25mm TOLERANCE FOR POSITIONING OF STRUCTURE.

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