Supplementary Information

The following information is associated with Network Rail Standard:
NR CIV/SD/1730 Rev B

Additional Content Access

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CAD Drawing

- CIV/SD/1730

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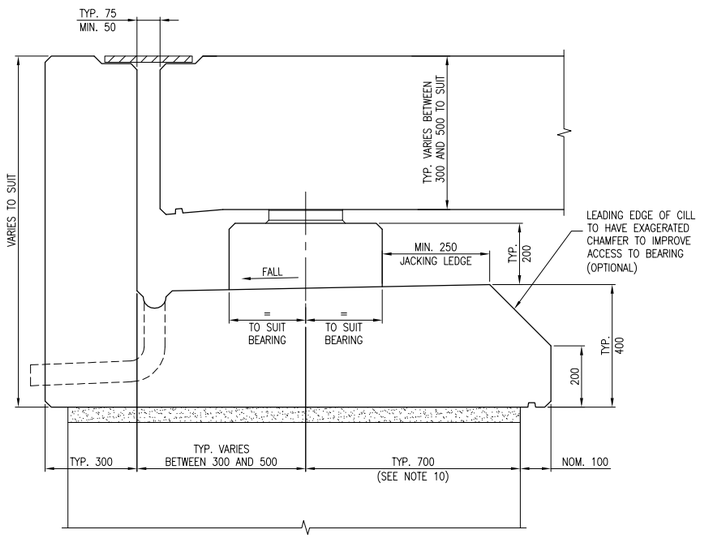
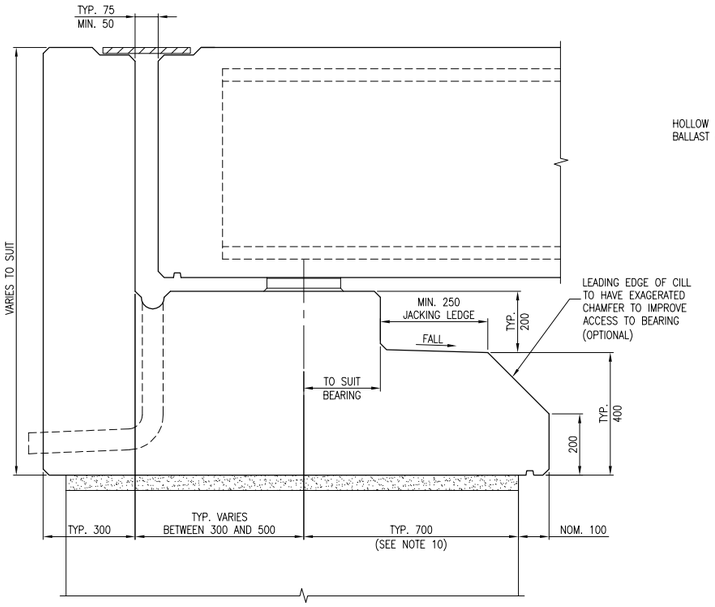


TYPICAL CILL BEAM (TYPE 1)

(CONCRETE SLAB DECK SHOWN)

SCALE 1:10



TYPICAL CILL BEAM (TYPE 2)

(FILLER BEAM DECK SHOWN)

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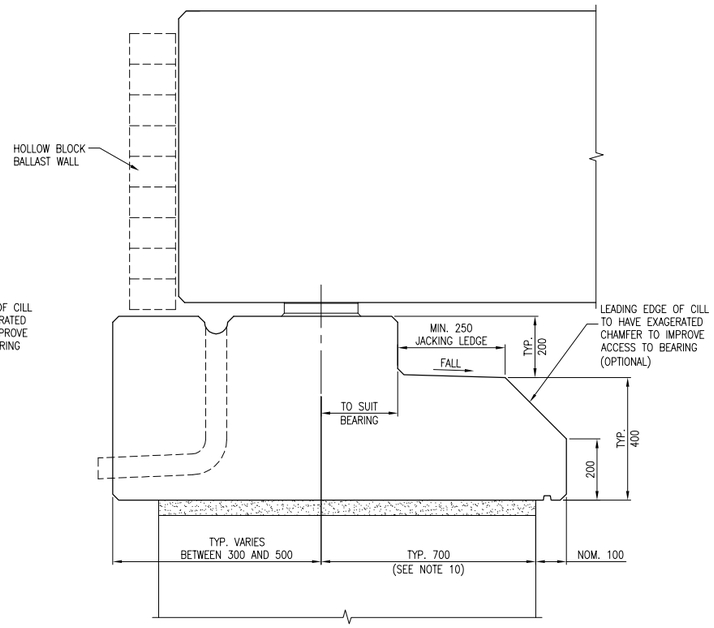

TYPICAL CILL BEAM (TYPE 3)

(PRESTRESSED SOLID BOX BEAM DECK SHOWN)

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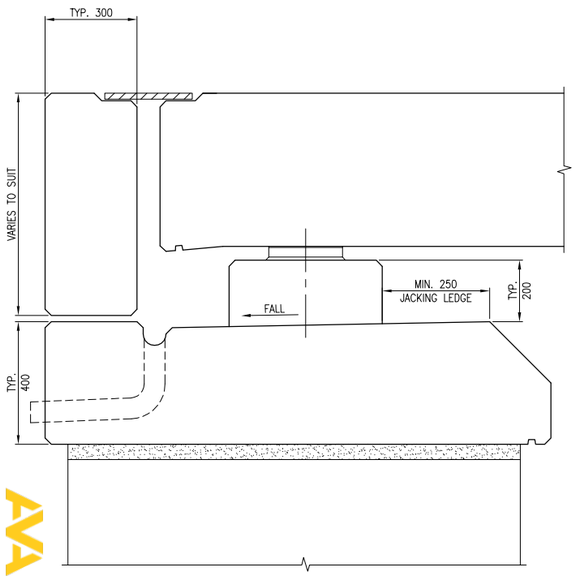
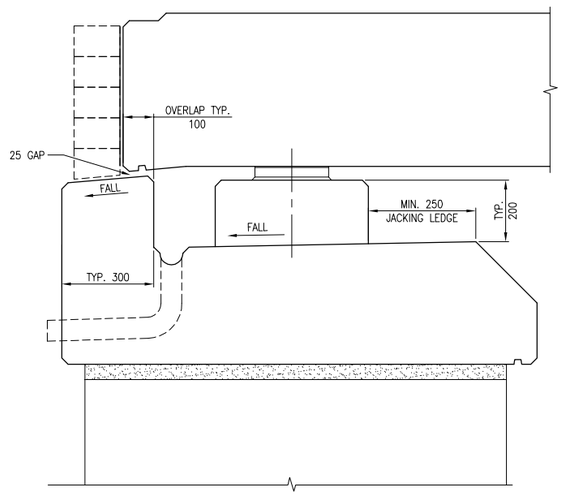


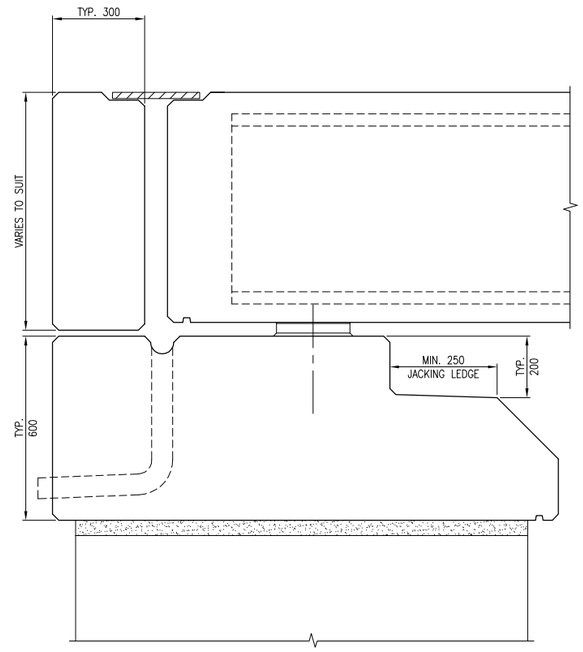
TYPE 1A

SCALE 1:10



TYPE 1B

SCALE 1:10



TYPE 2A

SCALE 1:10

VARIATIONS TO CILL BEAMS

SCALE 1:10

DRAWING No. NR/CIV/SD/1730

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE GENERAL NOTES ON DRAWING NR/CIV/SD/1702.
2. ALL CONCRETE, MATERIALS & WORKMANSHIP TO BE IN ACCORDANCE WITH BSEN13670 AS AMMENDED BY THE NETWORK RAIL SPECIFICATION.
3. REINFORCED CONCRETE INFORMATION IN ACCORDANCE WITH BS8500-2:2006 TO BE PROVIDED BY THE DESIGNER:

   MIN CONCRETE GRADE
   REINFORCEMENT TYPE
   MAXIMUM AGGREGATE SIZE
   NOMINAL COVER TO REINFORCEMENT
   FIXING TOLERANCE
   CEMENT TYPE / COMBINATION
   MAXIMUM WATER / CEMENT RATIO
   MINIMUM COMBINATION CONTENT
4. EXPOSURE CLASS TO BE XD3.
5. ALL REINFORCEMENT TO BE TO GRADE B500B OR B500C CONFORMING TO BS4449:2005
6. ALL REINFORCEMENT TO BE CUT AND BENT TO BS8666:2005
7. BAR BENDING SCHEDULE IS TO BE PREPARED FOR EACH INDIVIDUAL BRIDGE. THERE ARE NO STANDARD SCHEDULES TO ACCOMPANY THE STANDARD DRAWINGS.
8. ALL CHAMFERS TO BE 20x20mm.
9. WATERPROOFING TO BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS WHEN CONCRETE HAS ATTAINED ITS SPECIFIED 7 DAY STRENGTH OR AFTER 7 DAYS, WHICHEVER IS THE LONGEST.
10. DIMENSION TO SUIT POSITIONING OF BEARING TO COMPLY WITH ABUTMENT OVERTURNING, SLIDING AND BEARING PRESSURE REQUIREMENTS. (REFER TO TECHNICAL USER MANUAL FOR GUIDANCE).
11. FOR SELECTION OF CILL TYPE REFER TO TECHNICAL USER MANUAL FOR GUIDANCE.

Rev	Date	Description of revision	Design'd	C'kd
B	APR 10	EUROCODE ISSUE	MK	AGW
A	APR 10	FIRST ISSUE	MK	AGW
P2	18.06.09	REVISED WHERE SHOWN	MK	AGW
P1	27.03.09	DRAFT FOR REVIEW	MK	AGW

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

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

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CONCRETE UNDERBRIDGE STANDARD DRAWINGS

GENERAL INFORMATION CILL UNITS KEY TO TYPES

Scale: AS SHOWN

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