Supplementary Information

The following information is associated with Network Rail Standard:
**NR CIV/SD/1320** Rev B

## Additional Content Access

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### CAD Drawing

- CIV/SD/1320

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## GENERAL

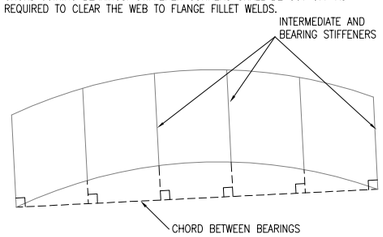
1. THIS STANDARD DRAWING IS TO BE READ IN CONJUNCTION WITH THE STEELWORK GENERAL ASSEMBLY DRAWINGS AND NOTES ON NR/CIV/SD/1310.

## MATERIALS AND WORKMANSHIP

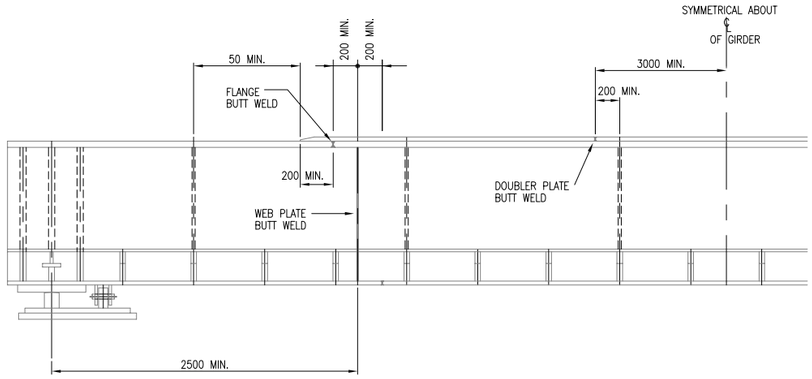
2. STEEL GRADES FOR STEELWORK:

| | |
|---|---|
| INTERMEDIATE STIFFENERS | S355J2+N |
| HOLDING DOWN BRACKET | S355J2+N |
| BEARING STIFFENERS | S355J2+N |
| UPPER BEARING PLATE 2 IN CONTACT WITH BEARING KNUCKLE | S460N |
| ALL OTHERS | S355J2+N UNLESS STATED OTHERWISE |

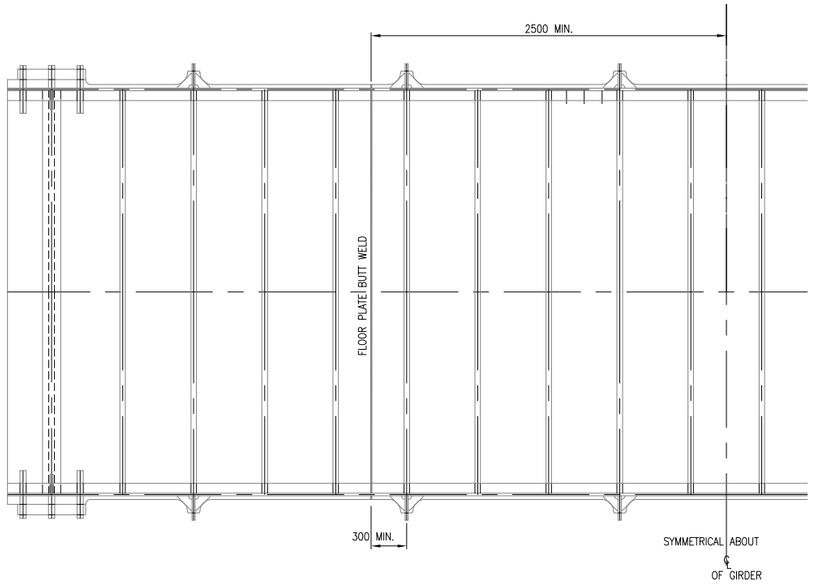
3. STIFFENERS SHALL BE WELDED IN PLACE AFTER COMPLETION OF ALL THE FLANGE TO WEB WELDS. ALL DECK TO WEB WELDS, STIFFENERS AND RIBS TO DECK/WEB WELDS STIFFENERS SHALL BE SET AT RIGHT ANGLES TO THE CHORD JOINING BEARINGS. STIFFENER CORNERS SHALL BE CUT OFF AS REQUIRED TO CLEAR THE WEB TO FLANGE FILLET WELDS.




4. ALL OUTSIDE ARRISES SHALL BE PROFILED TO A 3mm RADIUS.
5. BUTT WELDS IN WEB PLATE, FLANGE PLATE AND FLOOR PLATE SHALL BE DETAIL CATEGORY 80 IN ACCORDANCE WITH TABLE 8.3 (DETAIL 11) OF BS EN 1993-1-9. ANY BUTT WELDS SHALL BE LOCATED THE MAXIMUM DISTANCE FROM THE MIDSPAN OF THE DECK AS POSSIBLE AND SHALL NOT BE LOCATED WITHIN 2500mm EITHER SIDE OF MIDSPAN NOR WITHIN 200mm OF ANY OTHER CONNECTION DETAIL. B
6. ALL WEB TO FLANGE WELDS SHALL BE CONTINUOUS FILLETS AS SHOWN ON DETAIL DRAWINGS.




## BUTT WELDS IN FLANGES, DOUBLER PLATES AND WEBS




## BUTT WELDS IN FLOOR PLATES

DRAWING No. NR/CIV/SD/1320

NOTES

| Rev | Date | Description of revision | Design'd | C'kd |
|---|---|---|---|---|
| B | MAY 10 | EUROCODE ISSUE | AGW | NY |
| A | APR 09 | FIRST ISSUE | AGW | NY |
| P3 | 31.03.09 | FINAL REVIEW FOR FORM B | DE | IP |
| P2 | 23.01.09 | ISSUE FOR PUBLICATION | DE | IP |
| P1 | 14.11.08 | INDEPENDENT CHECK | DE | 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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STANDARD BRIDGE DETAILS
'U' TYPE SUPERSTRUCTURE

MAIN GIRDER DETAILS
NOTES

Scale: AS SHOWN

Drawing Number: NR/CIV/SD/1320 B

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