Supplementary Information

The following information is associated with Network Rail Standard:
**NR CIV/SD/2508** Rev A

## Additional Content Access

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### CAD Drawing

- CIV/SD/2508

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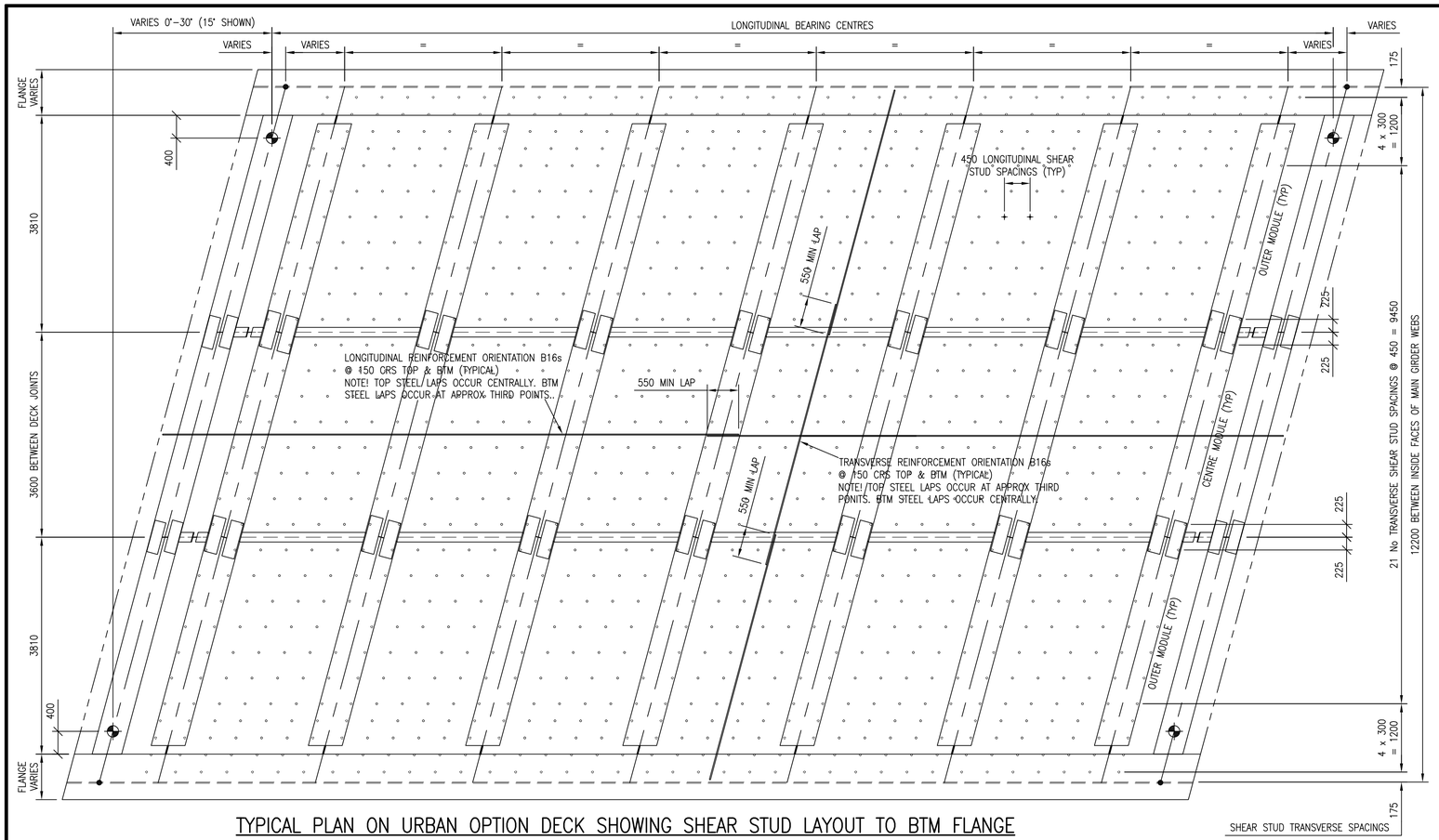
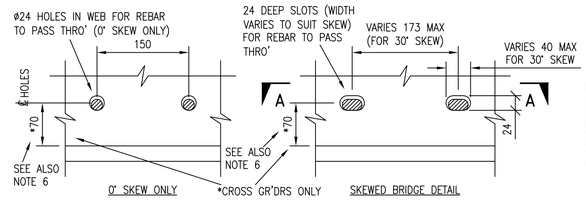
DRAWING No. NR/CIV/SD/2508



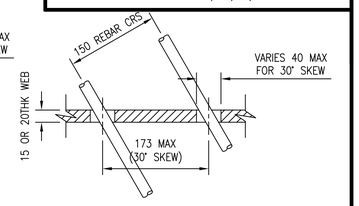

TYPICAL PLAN ON URBAN OPTION DECK SHOWING SHEAR STUD LAYOUT TO BTM FLANGE

1:50



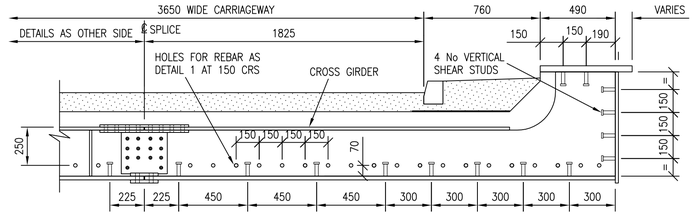

DETAIL 1 – (REBAR HOLE DETAILS)

1:5




SECTION A–A (30° SKEW SHOWN)

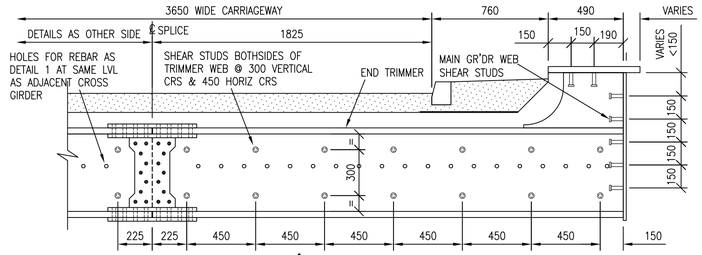
1:5




HALF SECTION THRO' ACCOM. OPTION AT CROSS GIRDER

1:20

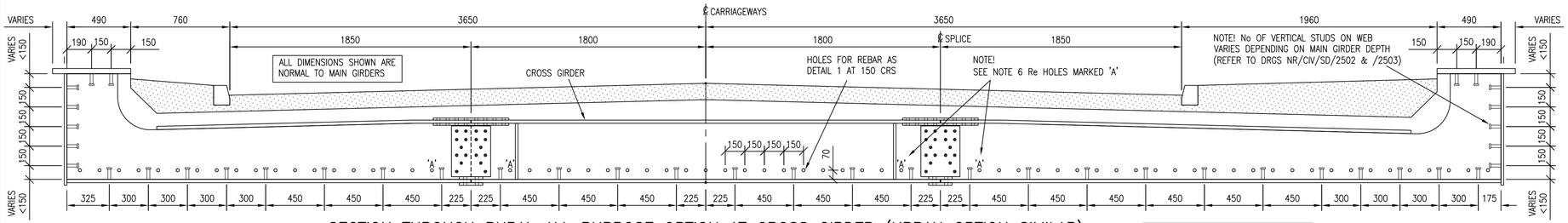
NOTE! SHEAR STUD AND REBAR HOLE DETAILS ARE SYMETRICAL ABOUT CENTRELINE OF SPLICE




HALF SECTION THRO' ACCOMM. OPTION AT TRIMMER

1:20

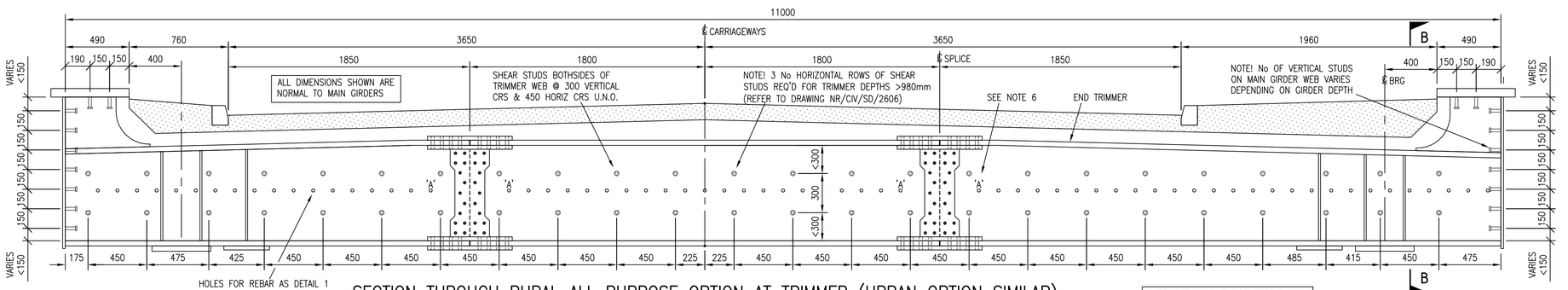
NOTE! SHEAR STUD AND REBAR HOLE DETAILS ARE SYMETRICAL ABOUT CENTRELINE OF SPLICE




SECTION THROUGH RURAL ALL PURPOSE OPTION AT CROSS GIRDER (URBAN OPTION SIMILAR)

1:20

NOTE! DETAILS THIS SIDE REPEAT ABOUT CENTRELINE FOR URBAN OPTION




HOLES FOR REBAR AS DETAIL 1 AT SAME LEVEL AS ADJACENT CROSS GIRDER

SECTION THROUGH RURAL ALL PURPOSE OPTION AT TRIMMER (URBAN OPTION SIMILAR)

1:20

NOTE! DETAILS THIS SIDE REPEAT ABOUT CENTRELINE FOR URBAN OPTION

1 ALL SHEAR STUDS TO BE ø22 x 100LG.
2 THIS DRAWING TO BE READ IN CONJUNCTION WITH CROSS SECTION DRAWINGS NR/CIV/SD/2502, /2503, /2504 & /2506.
3 FOR SECTION B–B REFER TO DRAWING NR/CIV/SD/2509.
4 MAIN GIRDERS MAY BE FABRICATED AS T–SECTIONS PRIOR TO FIXING SHEAR STUDS AND WELDING TO SOFFIT PLATE
5 SHEAR STUDS NOT REQ'D ON CROSS GIRDERS – REBAR FED THROUGH GRIDER WEBS

6 HOLES FOR REBAR MK'D 'A' IN CROSS GIRDER WEBS ADJACENT TO WEB SPLICE PLATES TO BE RAISED FROM 70mm TO 162mm FROM TOP OF DECK SOFFIT PLATE IF ALTERNATIVE DECK SPLICE DETAIL AS SHOWN ON DRAWING NR/CIV/SD/2510 IS ADOPTED (TYP 4 No PLACES PER CROSS GIRDER). CORRESPONDING HOLES IN END TRIMMERS ALSO TO BE RAISED ACCORDINGLY.

| Rev | Date | Description of revision | Design'd | C'kd |
|---|---|---|---|---|
| A | Aug '10 | 1st Issue | SB | AM |

Network Rail

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| | Name | Position | Signature | Date |
|---|---|---|---|---|
| Approved | P Clark | Senior Prog. Eng. Manager Infrastructure Projects, Building & Civils | PC | Sept '10 |

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

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OVERBRIDGE

# SHEAR STUD LAYOUT AND WELD DETAILS SHEET 1 OF 2

Scale: AS NOTED

Drawing Number: NR/CIV/SD/2508 A

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