Supplementary Information

The following information is associated with Network Rail Standard:
NR CIV/SD/2509 Rev A

Additional Content Access

Click the link below to access CAD version of this drawing.

CAD Drawing

- CIV/SD/2509

If you have any questions, or need assistance, please contact **IHS Support**

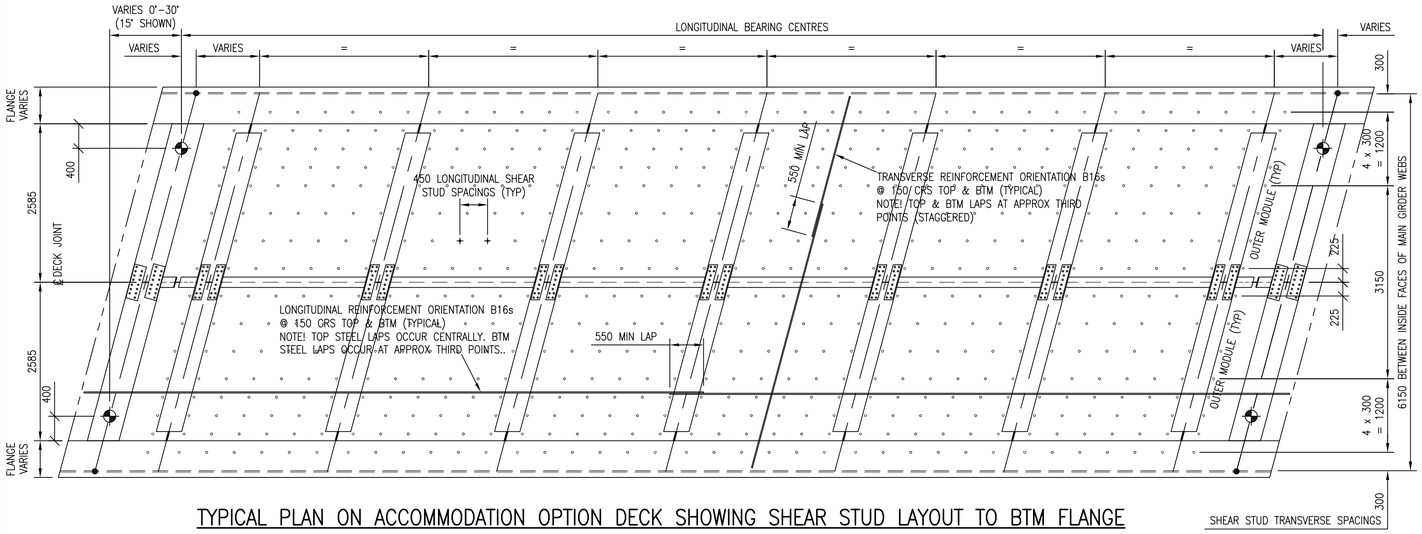
Information accessed via the links above is the property of the Copyright holder

IHS Additional Content Page

Documents
Document Sharing Hub

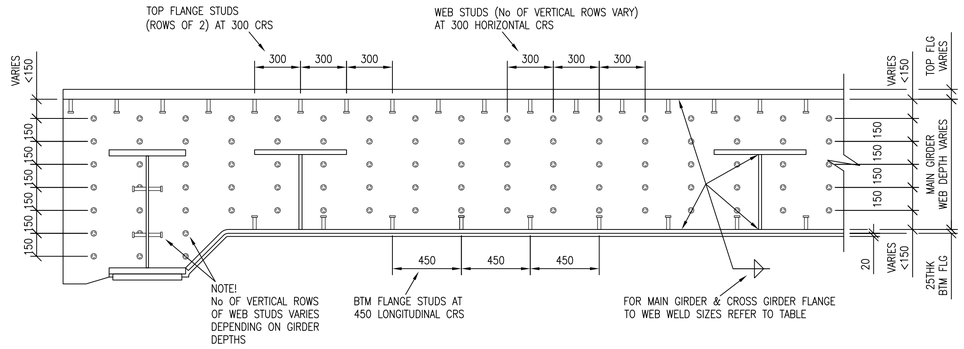
Copyright Network Rail
Provided by IHS under license with Network Rail
No reproduction or networking permitted without license from IHS
Full document details: NR NR-CIV-SD-2509 ISSUE A 2010

Licensee=Weston Williamson/5989497001, User=sam, albett
Not for Resale, 03/27/2016 21:16:16 MDT



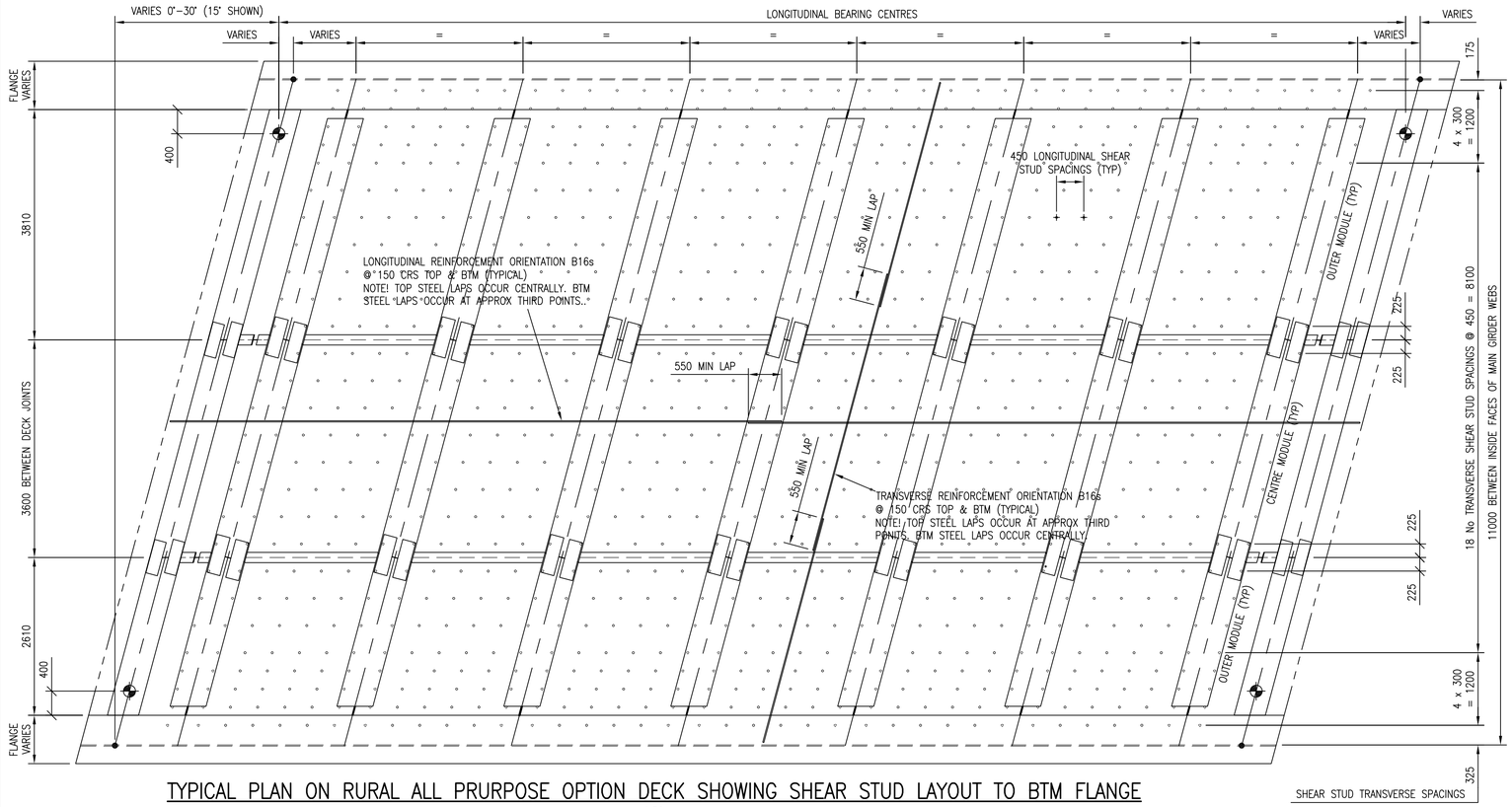
TYPICAL PLAN ON ACCOMMODATION OPTION DECK SHOWING SHEAR STUD LAYOUT TO BTM FLANGE

1:50



SECTION B–B FROM DRAWING CH/1909/108
PART ELEVATION ON MAIN GIRDER

1:20



TYPICAL PLAN ON RURAL ALL PRURPOSE OPTION DECK SHOWING SHEAR STUD LAYOUT TO BTM FLANGE

1:50

MAIN GIRDER FLANGE TO WEB WELD DETAILS				
DECK OPTION	LONGITUDINAL BRG CRS	POSITION IN SPAN	TOP FLG WELDS (x2)	BTM FLG WELDS (x2)
ACCOMMODATION	8.5m TO 17.0m	ALL	8mm FW	8mm FW
	17.1m TO 22.0m	<8.5m FROM BRGS	10mm FW	10mm FW
		>8.5m FROM BRGS	8mm FW	8mm FW
	22.1m TO 25.4m	<8.5m FROM BRGS	11mm FW	11mm FW
		>8.5m FROM BRGS	9mm FW	9mm FW
RURAL ALL PURPOSE	8.5m TO 14.0m	ALL	12mm FW	10mm FW
	14.1m TO 18.0m	<7.0m FROM BRGS	12mm FW	12mm FW
		>7.0m FROM BRGS	11mm FW	10mm FW
	18.1m TO 25.4m	<8.0m FROM BRGS	13mm FW	14mm FW
		>8.0m FROM BRGS	12mm FW	13mm FW
URBAN	8.5m TO 10.0m	ALL	10mm FW	8mm FW
	10.1m TO 16.0m	ALL	12mm FW	11mm FW
	16.1m TO 22.0m	<8.0m FROM BRGS	13mm FW	12mm FW
		>8.0m FROM BRGS	11mm FW	11mm FW
	22.1m TO 25.4m	<8.0m FROM BRGS	14mm FW	13mm FW
		>8.0m FROM BRGS	12mm FW	11mm FW

CROSS GIRDER FLANGE TO WEB WELD DETAILS			
DECK OPTION	MODULE TYPE	TOP FLG WELDS (x2)	BTM FLG WELDS (x2)
ACCOMMODATION	OUTER	8mm FW	8mm FW
	CENTRE	N/A	N/A
RURAL ALL PURPOSE	OUTER	12mm FW	13mm FW
	CENTRE	10mm FW	10mm FW
URBAN	OUTER	12mm FW	13mm FW
	CENTRE	10mm FW	10mm FW

1. ALL SHEAR STUDS TO BE ø22 x 100LG.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NR/CIV/SD/2508 AND ALL OTHER STEELWORK DRAWINGS.
3. ALL FILLET WELD SIZES GIVEN ARE LEG LENGTH
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

FOR FORM B APPROVAL

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

Network Rail

Network Rail Infrastructure Ltd.
Registered Office:
Kings Place
90 York Way
London
N1 9AG

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

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

© COPYRIGHT NETWORK RAIL 2010

OVERBRIDGE

SHEAR STUD LAYOUT AND WELD DETAILS SHEET 2 OF 2

Scale	AS NOTED	
Drawing Number	NR/CIV/SD/2509	A

Full document details: NR NR-CIV-SD-2509 ISSUE A 2010
Documents Document Sharing Hub
Licensee:nilesh.vidwans:c0084202. User:sam. sfirst
Uncontrolled Copy. Printed on 2/11/2011
Copyright Network Rail
Provided by IHS under licence with Network Rail
No reproduction or networking permitted without licence from IHS