Supplementary Information

The following information is associated with Network Rail Standard:
NR CIV/SD/498 Rev A

Additional Content Access

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CAD Drawing

- CIV/SD/498

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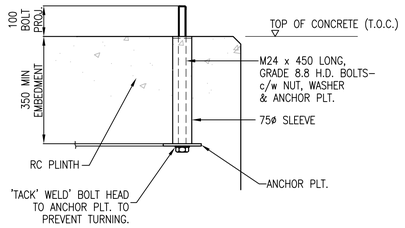
ERECTION SEQUENCE:

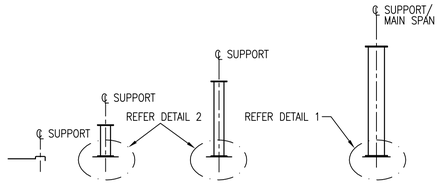
STAGE 1. PREPARE SITE FOR CONSTRUCTION:
CLEAR VEGETATION, REMOVE OBSTACLES ETC., AND LOCATE AND MARK SERVICES – SERVICES TO BE PROTECTED DURING CONSTRUCTION PERIOD.

INSTALL FOUNDATIONS (OUTSIDE THE SCOPE OF THE STANDARD DRAWINGS).
NOTE: FOUNDATIONS TO INCORPORATE HOLDING DOWN BOLTS DETAILS AS SHOWN BELOW.

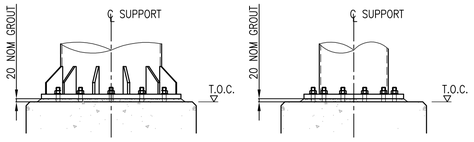


H.D. BOLT DETAIL
SCALE 1:10

STAGE 2. INSTALL STAIRCASE SUPPORTS:



STAIRCASE SUPPORTS
SCALE 1:125

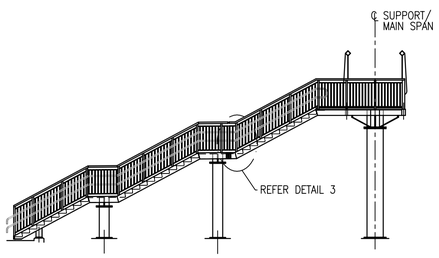


DETAIL 1
SCALE 1:20

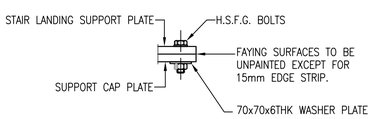
DETAIL 2
SCALE 1:20

CARE TO BE TAKEN WHEN INSTALLING H.D.BOLTS:
ORIENTATION TO BE CHECKED PRIOR TO CASTING CONCRETE

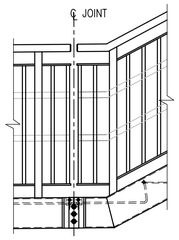
STAGE 3. INSTALL STAIRCASE



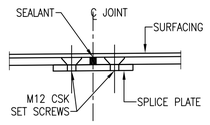
STAIRCASE SUPPORTS
SCALE 1:125



SUPPORT/LANDING H.S.F.G. BOLT DETAIL
SCALE 1:10

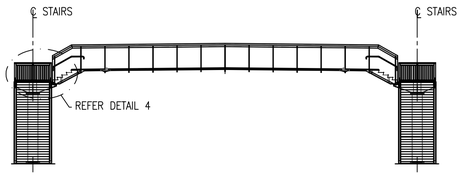


DETAIL 3
SCALE 1:25

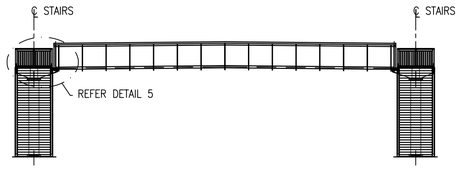


SPLICE/JOINT DETAIL
NOTE: SURFACING TO BE CONTINUOUS OVER JOINT
SCALE 1:5

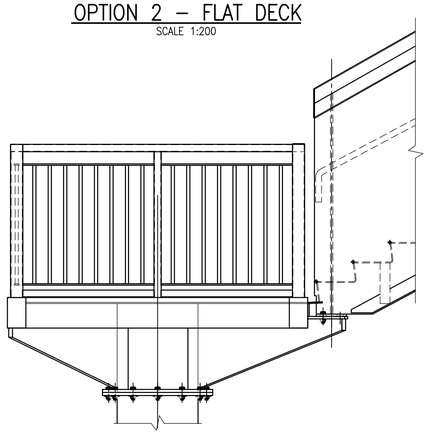
STAGE 3. INSTALL MAIN SPAN



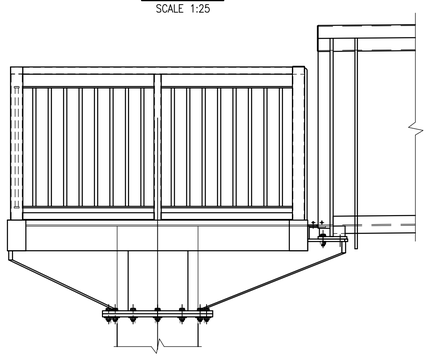
OPTION 1 – DECK WITH IN–SPAN STEPS
SCALE 1:200



OPTION 2 – FLAT DECK
SCALE 1:200



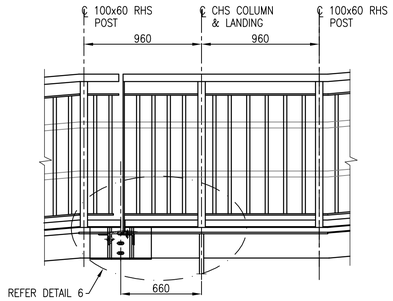
DETAIL 4
SCALE 1:25



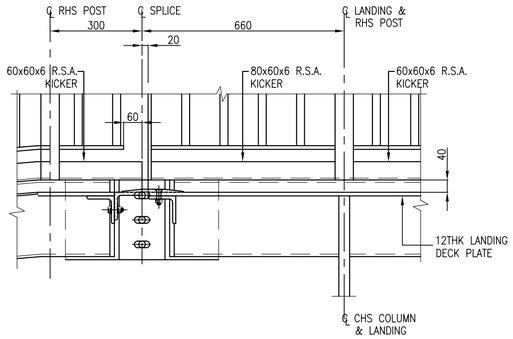
DETAIL 5
SCALE 1:25

STAGE 5. WHERE APPLICABLE INSTALL RAMP SUPPORTS – REFER DETAILS 1 & 2. – NOTE: BOTTOM RAMP IS OUTSIDE THE SCOPE OF THE STANDARD DETAILS – DETAILS TO SUIT BOTTOM RAMP SECTION AS SHOWN ON DRAWING /484

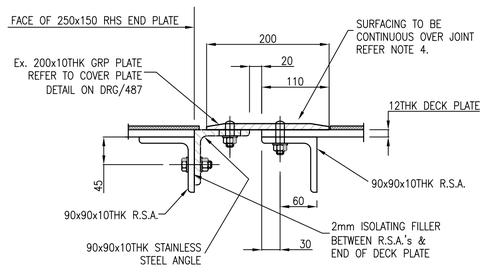
STAGE 6. INSTALL RAMP SECTIONS.
REFER SUPPORT LANDING H.S.F.G. BOLT DETAIL.



SECTION SHOWING TYPICAL RAMP SPLICE DETAIL
SCALE 1:25



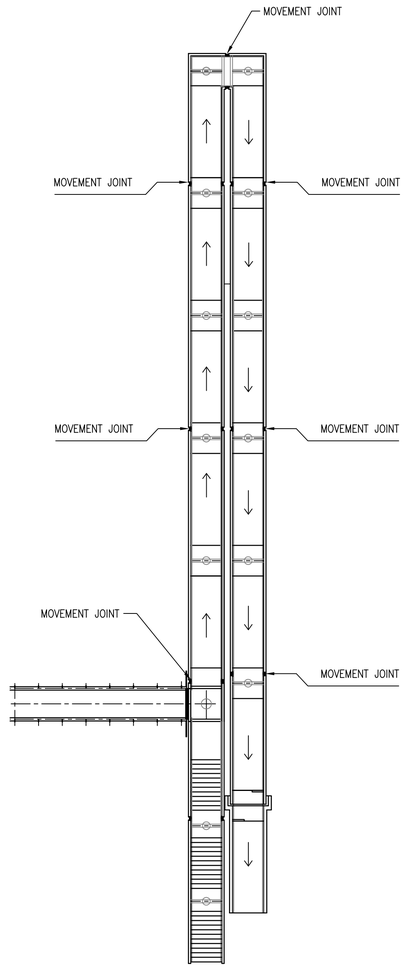
DETAIL 6
SCALE 1:10



SECTION SHOWING RAMP DECK MOVEMENT JOINT
NOTE: SURFACING TO BE CONTINUOUS OVER JOINT
SCALE 1:5

STAGE 7. GROUT UNDER SUPPORT BASEPLATES.

STAGE 8. WHEN ERECTION OF STAIRS, RAMPS AND MAIN SPAN IS COMPLETE – INFILL PLATES TO BE INSTALLED AT LIFTING POINTS, ALL JOINTS TO BE SEALED WITH EPOXY SEALANT AND FINALLY ALL WATERPROOFING/SURFACING TO BE MADE GOOD/REPAIRED AT JOINT AND LIFTING POINT POSITIONS.



LOCATION PLAN
FOR
RAMP DECK MOVEMENT JOINTS
SCALE 1:200

DRAWING No. NR/CIV/SD/498

NOTES

1. ALL DIMENSIONS IN mm UNLESS NOTED OTHERWISE.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL NR/CIV/SD/400 SERIES DRAWINGS.
3. GRP REPLACEMENT MAY BE USED INSTEAD OF STAINLESS STEEL REFER TO DRAWING /485.
4. WHERE GRP PLATE WITH BONDED SURFACING IS USED SURFACING IS NOT APPLIED OVER PLATE.

Rev	Date	Description of revision	Design'd	C'kd
A	18/4/08	FIRST ISSUE	GPR	NGAY
P4	25/3/08	FORM B APPROVAL	HCHS	NGAY
P3	08/6/07	FORM B APPROVAL	AJB	NGAY
P2	27/4/07	FOR INFORMATION	AJB	NGAY
P1	–	NOT USED	–	–

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Authorised	A.DRAY	Head of Structures Engineering	AD	04.04.08

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

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FOOTBRIDGES NON–STATIONS STANDARD DRAWINGS

ERECTION SEQUENCE
CHS SUPPORTED FOOTBRIDGE

Scale	AS SHOWN
Drawing Number	NR/CIV/SD/498 A

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