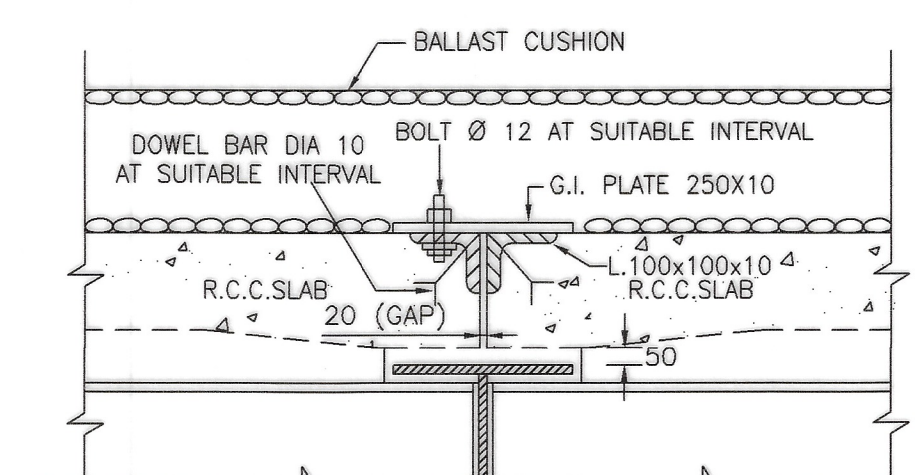
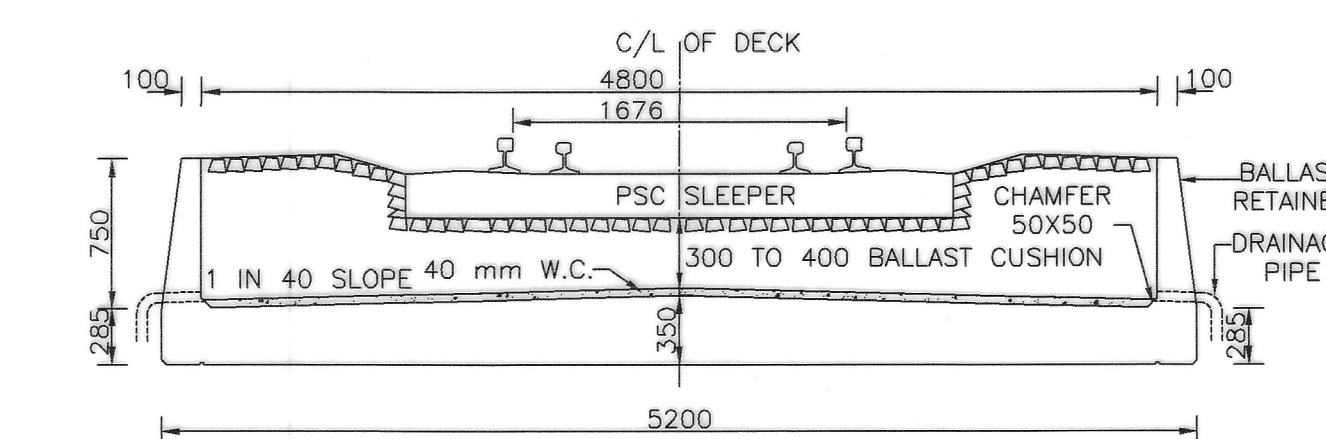
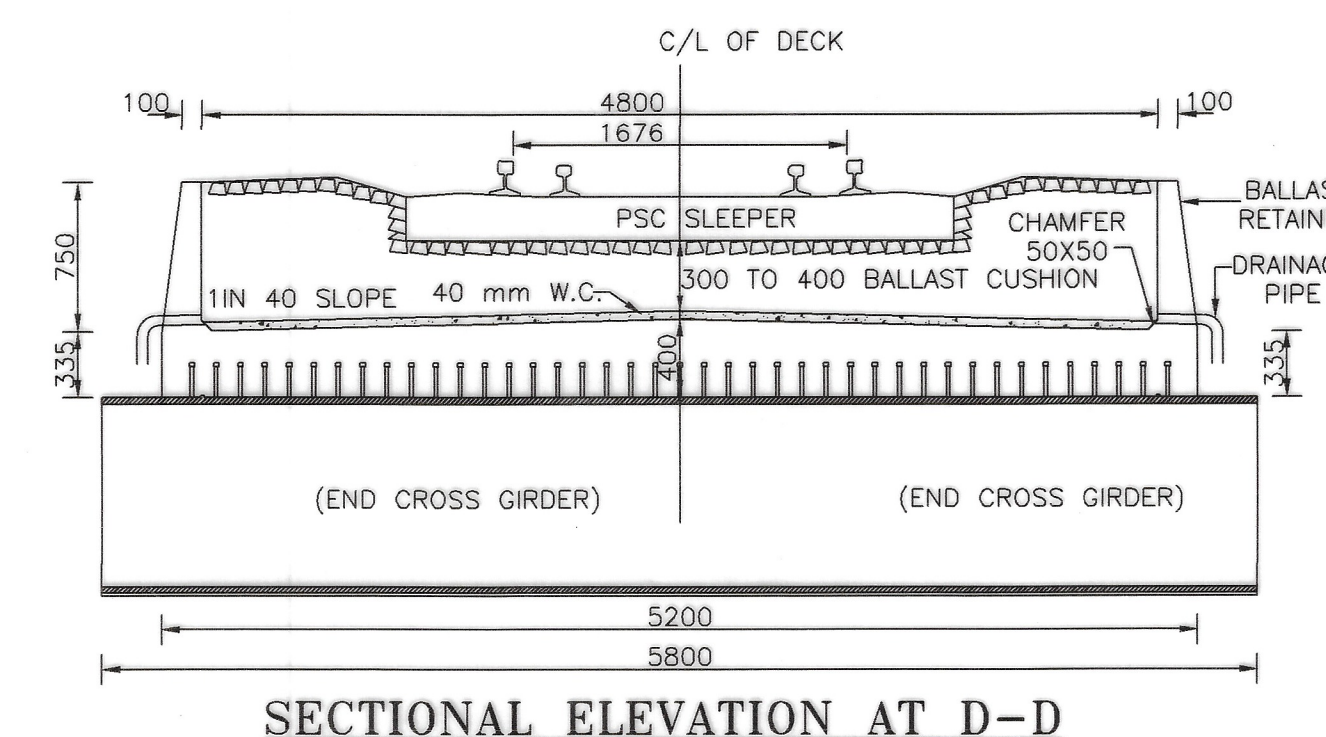
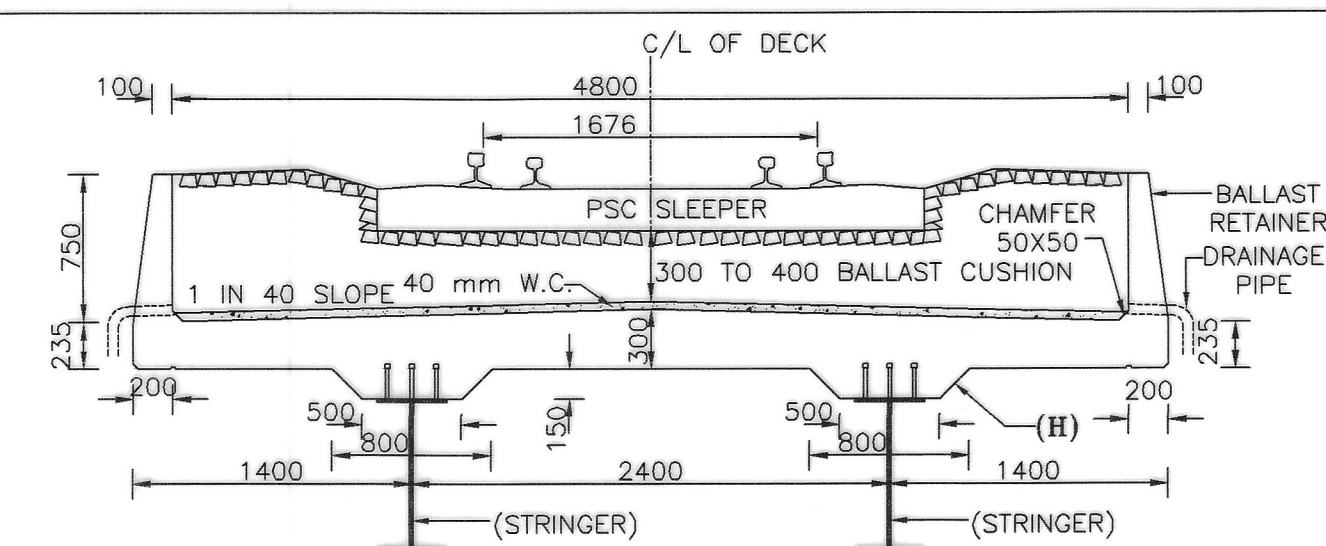
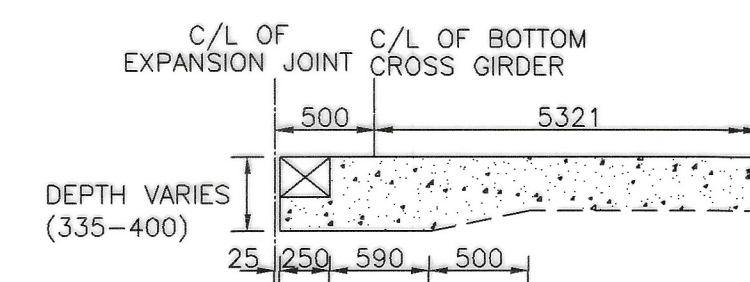
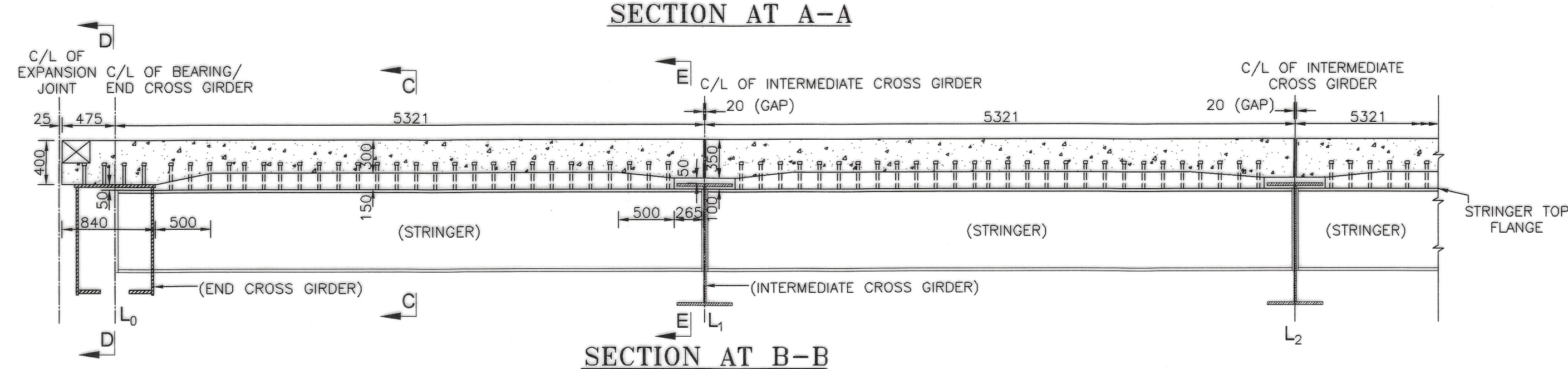
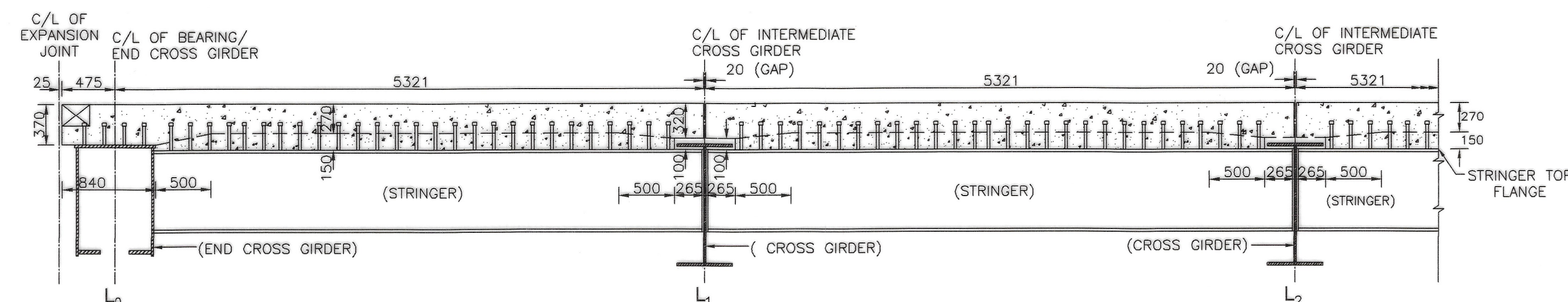
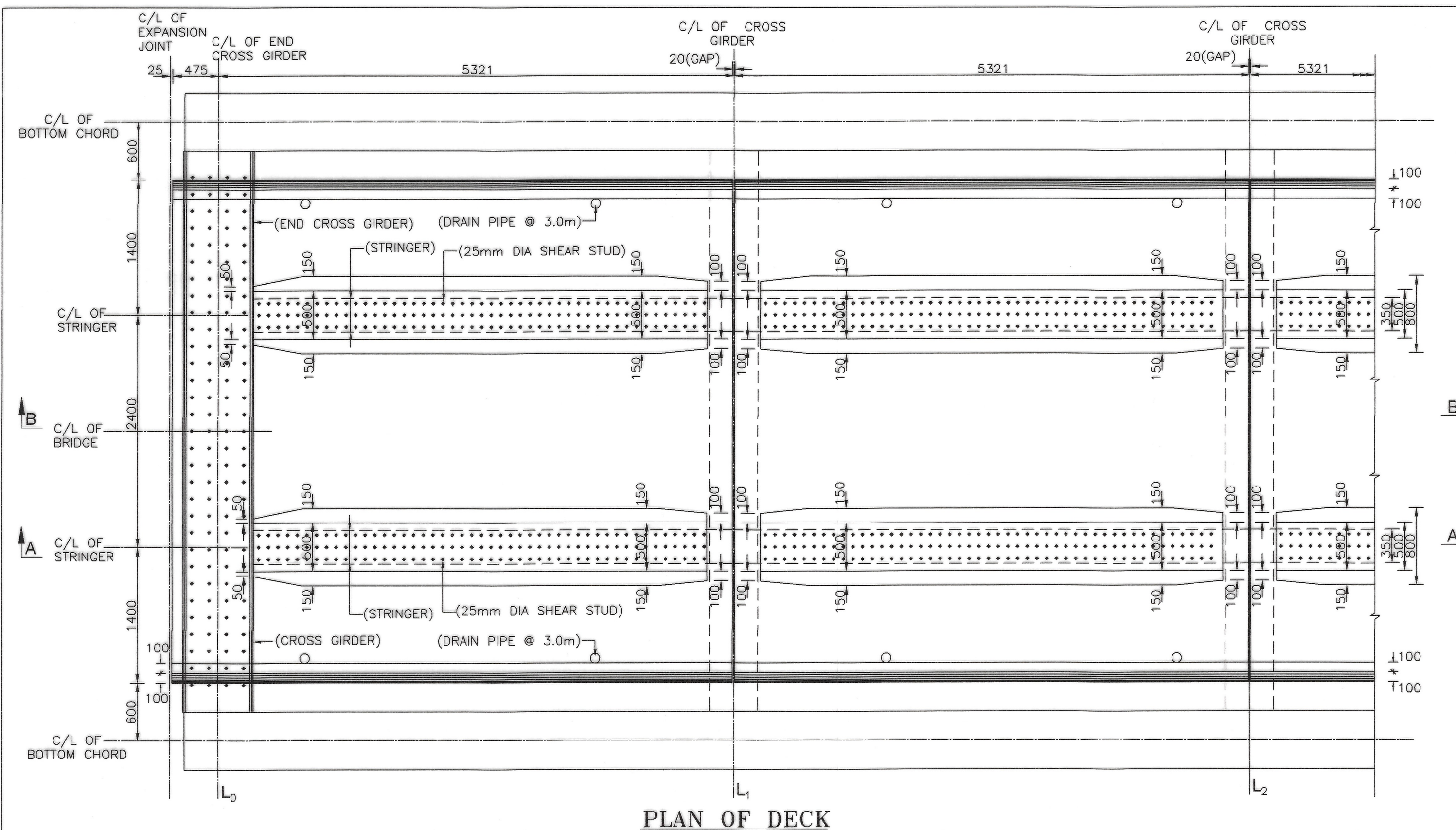




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R. D. S. O.

25 TONNES LOADING-2008

30.50m SPAN

BALLASTED DECK

OPEN WEB GIRDER

(WELDED THROUGH TYPE)

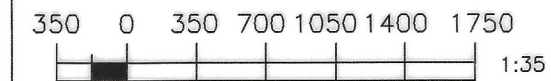
DETAILS OF DECK SLAB (SHEET-1)

PROVISIONAL

RDS0/B-17186/19

1. ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT WHERE OTHERWISE SHOWN.
2. ALL CORNERS SHALL HAVE A CHAMFER OF 25 mm EXCEPT WHERE OTHERWISE SHOWN.
3. SUPPORTING CHAIRS SHALL BE PROVIDED AT SUITABLE INTERVAL WHEREVER REQUIRED.
4. WEIGHT OF REINFORCED CONCRETE IS ASSUMED TO BE 25 kN/m³.
5. CONCRETE GRADE OF DECK SLAB SHALL BE M40.
6. MAXIMUM SIZE OF AGGREGATE TO BE USED IS 20mm.
7. THE DESIGN IS SUITABLE FOR SEVERE ENVIRONMENT EXPOSURE CONDITION (i.e., DESIGN CRACK WIDTH NOT TO EXCEED 0.20mm AS PER CLAUSE No. 10.2.1(a) OF IRS CONCRETE BRIDGE CODE).
8. THE DESIGN IS SUITABLE UP TO SEISMIC ZONE V.
9. THE DESIGN IS SUITABLE FOR STRAIGHT TRACK ALIGNMENT ONLY.
10. THE DESIGN IS SUITABLE FOR MAXIMUM 100mm MISALIGNMENT.
11. THE DESIGN IS SUITABLE ONLY FOR TYPE-I SLEEPER i.e. MONOBLOCK SLEEPERS.
12. THE DESIGN HAS BEEN DONE CONSIDERING 300mm TO 400mm BALLAST CUSHION BELOW SLEEPER.
13. THE SLAB HAS BEEN CHECKED AGAINST DERAILMENT LOADS VIDE CLAUSE NO. 2.14 OF IRS BRIDGE RULES.
14. THE DESIGN IS SUITABLE FOR PQRS LOADING ON THE BRIDGE.
15. DATE OF CASTING AND DRAWING NO. SHALL BE ENGRAVED ON EACH UNIT.
16. TO ENSURE GOOD CONCRETING AT THE SHEAR CONNECTORS, CONCRETING IN PORTIONS MARKED (H) SHOULD BE DONE FIRST FOLLOWED BY CONCRETING OF THE REMAINING PORTION.
17. GUARD RAILS SHALL BE PROVIDED FOR THE ENTIRE LENGTH OF THE BRIDGE.
18. THE TOP SURFACE OF WEARING COAT SHOULD BE GIVEN A FEW COATS OF COAL TAR/BITUMEN OR ANY OTHER SUITABLE WATER PROOFING TREATMENT BEFORE THE TRACK IS LAID ON IT.
19. SHEAR STUD DETAILS SHOWN IN THIS DRAWING ARE INDICATIVE ONLY.

IRS: BRIDGE RULES 2014
IRS: CONCRETE BRIDGE CODE 2014
IS: 1786-2008
IS: 16651-2017
IS: 2502-1963



AL

DESCRIPTION

DATE _____

DONE BY-NAUMAN ALI (JE/D)
CHECKED BY-MOHD. MOEED AKHTAR(JE/D)

DRAWN BY-RAVI CHANDRA(JE/D) R Chandra
DRAWN BY-MANIBHUSHAN SANGAM(SSE/D) M Sangam
CHECKED BY-AMIT SAH(SSE/D) A Sah

SCRUTINISED & CHECKED BY 
M.K.SHUKLA-ADE/B&S/CB-I

SCRUTINISED & RECOMMENDED BY 
SANDEEP SINGH-DIR/B&S-VI
05/12/26

APPROVED BY 
V.K.PANDEY-ED/B&S-II

AUTOCAD FILE №.-17186