

दक्षिण मध्य रेलव
प्रमुख मुख्य इंजीनियर का कार्यालय,
पांचवीं मंजिल, रेल निलयम
सिकंदराबाद- 500 071



SOUTH CENTRAL RAILWAY
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SECUNDERABAD - 500 071

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No. W.71/BR/Track Bridge STD Drawings

Date: 11/5/2023

Sr.DEN/Co-ord/SC, HYB, BZA, GTL, GNT & NED
Dy.CE/C/Designs/SC, Dy.CE/GS/SC, Dy.CE/GS/HYB, Dy.CE/GS/BZA,
Dy.CE/GS/GTL, Dy.CE/GS/GNT & Dy.CE/GS/NED

Sub: Structural drawing of foundation for main columns of 12m
vide FOB(RDSO/B-10438) -reg.

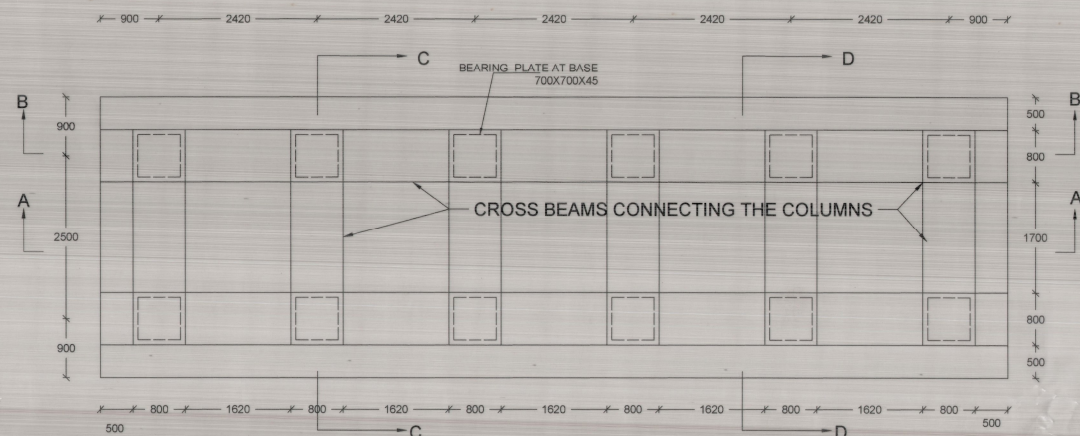
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For detail of foundation for main columns of 12m vide FOB
foundation to RDSO Drg No. RDSO/B-10438; HQ approval Drg No GM(W)
SC/BR/ TR/ RCC /STD/FOB/2/2023 shall be referred.

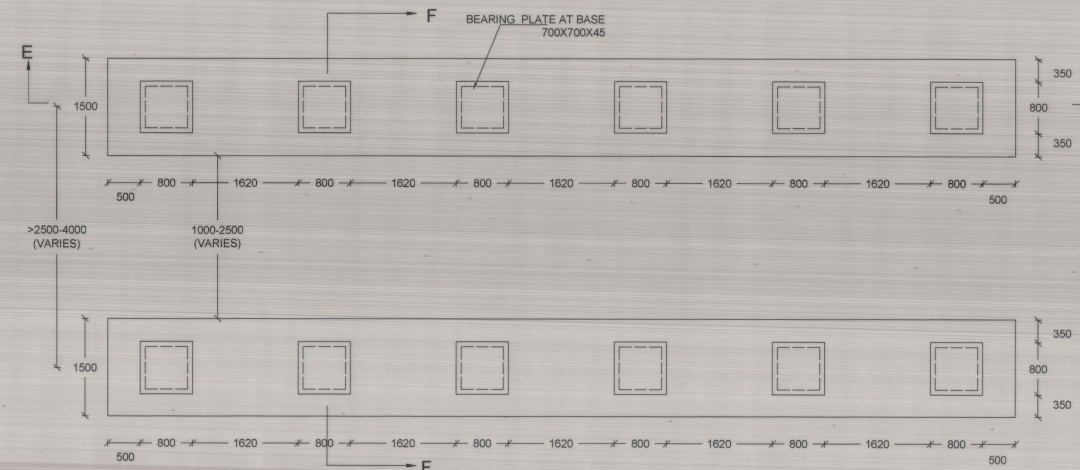
This for your information and necessary action.


(P.Srinivas) 11-05-23
AXEN/Br.D

For Chief Bridge Engineer

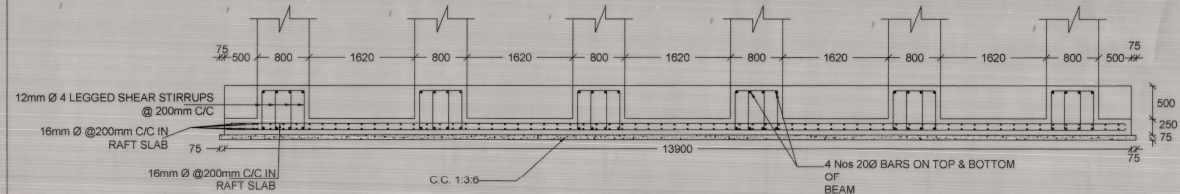


PLAN VIEW OF FOUNDATION
(FOR TRESTLE SPACING UP TO 2500mm)

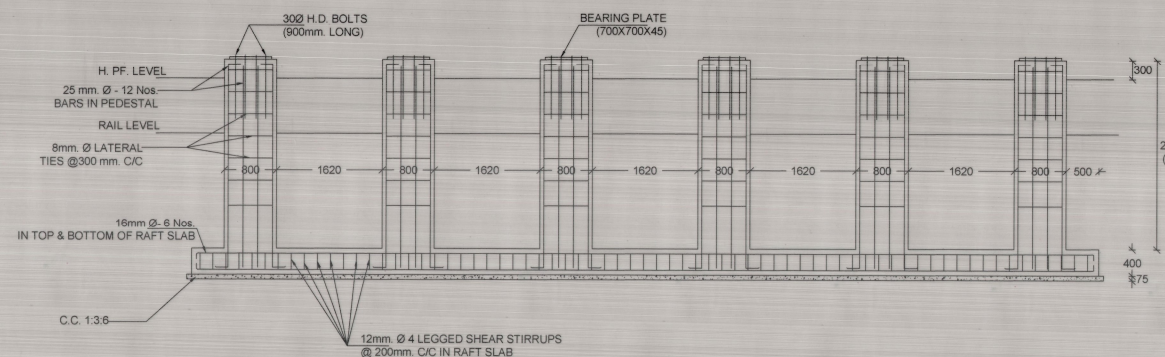


PLAN VIEW OF FOUNDATION
(FOR TRESTLE SPACING > 2500mm TO 4000mm)

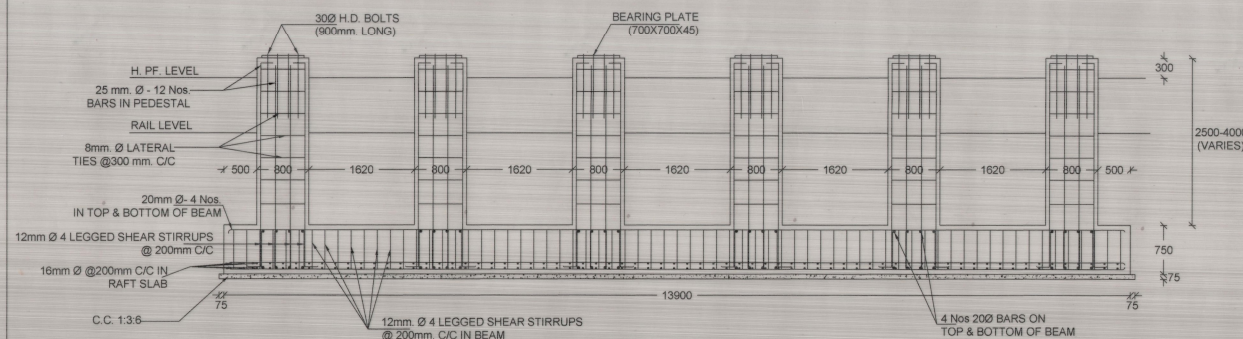
- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 2. FEASIBILITY OF THIS STRUCTURE SHALL BE CHECKED AT THE SITE IN EVERY RESPECT BY ENGINEER-IN-CHARGE BEFORE FABRICATION/ERECTION.
 3. ALL R.C.C WORKS IS TO BE DONE IN ACCORDANCE WITH SPECIFICATIONS LAID DOWN IN I.S. 456-2000 AND IRS CONCRETE BRIDGE CODE.
 4. PARTICULAR CARE MUST BE TAKEN TO ENSURE THAT
 1. NO SAG OCCURS IN REINFORCEMENT DURING EXECUTION OF WORK.
 2. MINIMUM 50mm. CLEAR COVER TO REINFORCEMENT SHALL BE MAINTAINED IN FOUNDATION AND PEDESTAL EXCLUDING THE BINDERS/STIRRUPS AS PER IS 456:2000.
 3. LAP LENGTH WHERE BARS OBTAINED ARE OF SHORTER LENGTH MUST NOT BE LESS THAN 40 X DIA. OF BAR.
 5. CEMENT CONCRETE IS TO BE MECHANICALLY MIXED AND VIBRATED.
 6. ALL BINDERS/STIRRUPS/LINKS SHALL BE EFFECTIVELY TIED WITH MAIN REINFORCING BARS.
 7. MINIMUM GRADE OF R.C.C SHALL BE M-25.
 8. MINIMUM GRADE OF REINFORCEMENT OF FE-500 SHALL BE USED CONFORMING TO I.S. 1786-2008.
 9. NET SAFE BEARING CAPACITY OF SOIL CONSIDERED IS 15 t/sq.m
 10. H.D. BOLTS SHALL BE PUT IN THE FOUNDATIONS AS PER DETAIL DRAWING NO. B-10438/5 FOR MAIN COLUMN.
 11. THIS DRAWING SHALL BE USED IN CONJUNCTION WITH DRG.NO. RDSO/B-10438 AND ITS ANCILLARY DRAWINGS



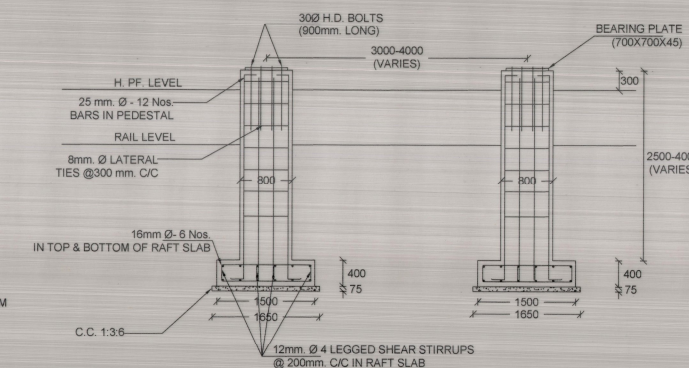
SECTION A-A



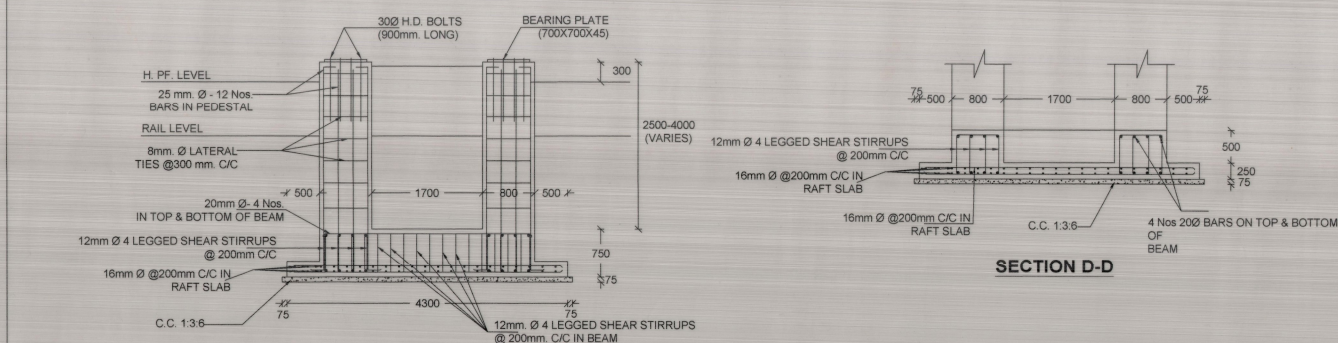
SECTION E-E



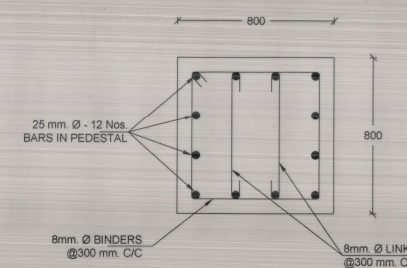
SECTION B-B



SECTION F-F



SECTION C-C



CROSS SECTION OF COLUMN

SOUTH CENTRAL RAILWAY	
DRG.NO: GM(W)SC/BR/TR/RCC/STD/ FoB/2 /2023	
NAME OF PROJECT: FOOT OVER BRIDGE 12.0m WIDE FOR SPAN 25m TO 30m WITH COMPOSITE I-GIRDER AND TUBULAR SECTIONS	
DETAILS OF FOUNDATION FOR MAIN COLUMNS	
CBE/SC	<i>K Ramakrishna</i> (K RAMAKRISHNA)
DY.CE/BR.D/SC	<i>C Nagaraju</i> (C NAGARAJU)
AXEN/BR.D/SC	<i>P. Srinivas</i> (P. SRINIVAS)
SSE/DESIGNS/BR.D/HQ/SC	<i>Mithun Kumar Singh</i> (MITHUN KUMAR SINGH)
SSE/DRG/BR.D/HQ/SC	<i>V.M. Daniel Tenet</i> (V.M. DANIEL TENET)