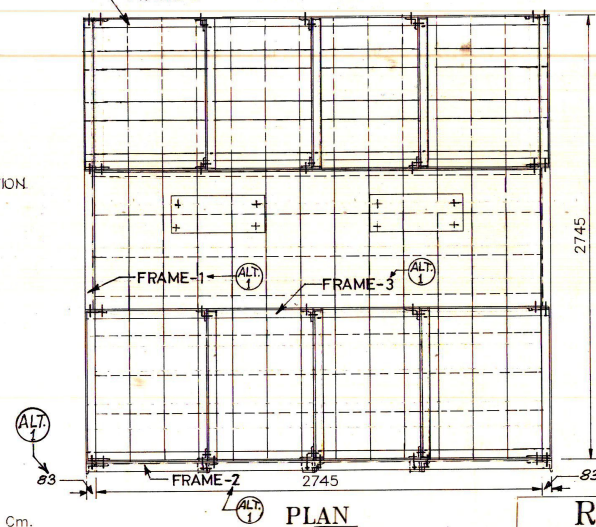


ALONG TRACK

ACROSS TRACK
(SECTION A.B.)



PLAN

24. FOR DETAILS OF ANGLE FRAME ARRANGEMENT REFER DRG. No. RD50/B-1728. RAILWAY MAY USE THEIR OWN ANGLE FRAME ARRANGEMENT SUITABLE FOR THE CRIB DIMENSIONS ADOPTED AT SITE.
23. THIS DRG. SUPERSEDES DRG. NO. RD50/B-1595.
22. THE SLEEPER CRIB SHALL BE HELD RIGIDLY BY MEANS OF ANGLE FRAME USING 20 DIA. BOLTS AROUND THE CRIB.
21. BOTH TOP AND BOTTOM LAYERS MUST RUN PARALLEL TO THE TRACK.
20. DURING CONSTRUCTION, SAND OR GRIT CAN BE SPRINKLED BETWEEN THE LAYERS OF SLEEPERS FOR ADDITIONAL FRICTION.
19. PACKING CAN BE USED WHERE NECESSARY TO COMPENSATE FOR VARYING THICKNESSES OF SLEEPERS AND WHERE USED SHALL BE NAILED.
18. DURING SERVICE, THE TEMPORARY ARRANGEMENT SHALL BE KEPT UNDER STRICT WATCH BY D.E.N./A.E.N. CONCERNED.
17. STAGGERED WEEP HOLES SHALL BE PROVIDED IN C.G.I. SHEETING AT A DISTANCE OF 1 m CENTRE TO CENTRE.
16. ALL NUTS AND FASTENING ARRANGEMENTS SHOULD BE CHECKED & TIGHTENED DAILY.
15. CRIB SHALL BE CONSTRUCTED OF GOOD SOUND HARD WOOD TRACK SLEEPERS 1830x203x115 (6"x8"x4 1/2").
14. THIS DRG. IS APPLICABLE UPTO 1.265 m HEIGHT BELOW BEARING BED PLATE.
13. THE ANCHOR BOLTS IN THE BED PLATES OF BEARINGS SHALL PASS THROUGH 2 LAYERS OF SLEEPERS AND PROVIDED WITH 100 mm DIA. WASHERS ON THEIR HEAD SIDE. SLEEPER SPACING IN THESE LAYERS MAY BE LOCALLY ADJUSTED TO TIGHTEN THE ANCHOR BOLTS.
12. CRIB ARRANGEMENT FOR LESSER HEIGHTS SHALL BE MANAGED BY REMOVING THE SLEEPERS AT BOTTOM IN THE MULTIPLES OF 2 LAYERS OF SLEEPERS (KEEPING THE BOTTOM MOST 2 LAYERS AS PACKED LAYERS). MINIMUM 5 LAYERS OF SLEEPERS SHALL BE PROVIDED UNDER THE BEARING BED PLATE.
11. SLEEPER JOINTS SHALL BE STAGGERED AS SHOWN.
10. ANCHORING OF TRACK ON APPROACHES SHALL BE DONE AS PER PARA 277 OF I.R. PERMANENT WAY MANUAL-1986.
9. GUARD RAILS SHALL BE PROVIDED OVER THE BRIDGE AS PER PARA 275 OF I.R. PERMANENT WAY MANUAL-1986 AND EXTENDED FOR 15 m (INSTEAD OF 6m) ON BOTH THE APPROACHES.
8. THE SOIL BASE UNDER THE SLEEPER CRIB SHALL BE PROPERLY LEVELLED AND WELL CONSOLIDATED IN LAYERS OF 30 Cm.
7. 12.2m SPAN M.G.M.L. GIRDER TO DRG. No. BA-11023 HAS BEEN CONSIDERED AS RELIEVING GIRDER. RAILWAYS MAY USE THEIR OWN RELIEVING GIRDERS DULY CHECKED FOR STRESSES ALONG WITH SLIDING BEARINGS.
6. THE SPACE AVAILABILITY FOR CONSTRUCTION OF ABUTMENTS IN BETWEEN THE CRIBS SHOULD BE CHECKED IN ADVANCE.
5. THE DESIGN CATER FOR WIND LOAD AT 100 Kg/m².
4. SLOPE SHALL BE PROVIDED AS PER SITE CONDITIONS SO AS TO GIVE BEARING CAPACITY AT BOTTOM OF CRIB ATLEAST EQUAL TO 1.45 Kg/Cm². HOWEVER, SLOPE SHALL NOT BE LESS THAN 1:1.
3. MAXIMUM PERMISSIBLE SPEED ON CRIB 30 kmph.
2. STANDARD OF LOADING M.G.M.L.
1. ALL DIMENSIONS ARE IN MILLIMETRES.

NOTE

SPECIFICATION

MILLIMETRES

200 0 200 400 600
1:20

SCALE

1. NOTE No.24
ADDED, CHANGES
MADE AS PER DRG.
No. RD50/B-1728.

ALT. DESCRIPTION

30-6-93

DATE

R. D. S. O.
M.G.M.L. 12.2m SPAN
TEMPORARY ARRANGEMENT
FOR ABUTMENT
USING SLEEPER CRIBS
(FOR MAX. BASE PRESSURE: 1.4 Kg/Cm²)

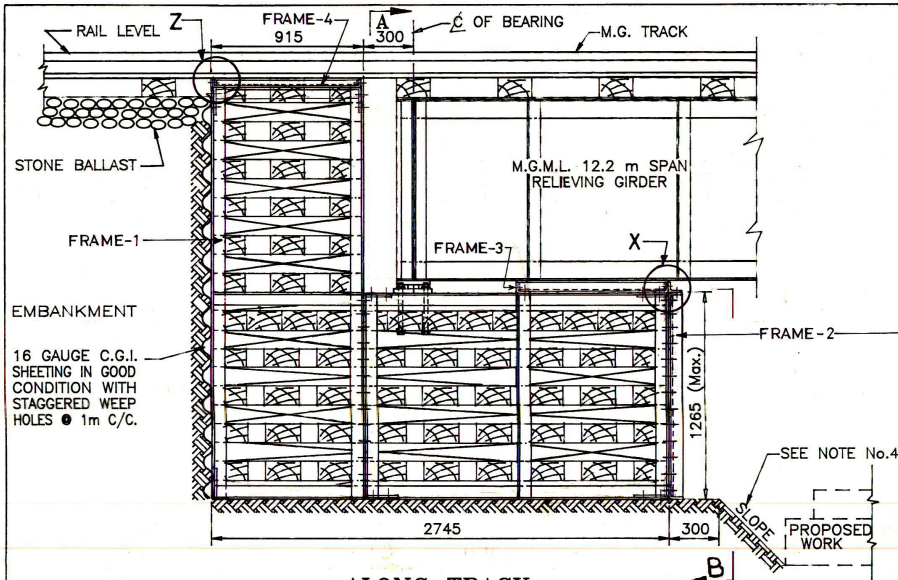
RDSO/B-1720

CALCULATION REGISTERN No. 50/90
PAGE 31-41
DESIGNED BY K.K.UTTAM
CHECKED BY

DRAWN BY
CHECKED BY

TRACED BY
CHECKED BY

31595MM (625x450)



ALONG TRACK

22. FOR DETAILS OF ANGLE FRAME ARRANGEMENT REFER DRG. No. RDSO/B-1728. RAILWAY MAY USE THEIR OWN ANGLE FRAME ARRANGEMENT SUITABLE FOR THE CRIB DIMENSIONS ADOPTED AT SITE.
21. THE SLEEPER CRIB SHALL BE HELD RIGIDLY BY MEANS OF ANGLE FRAME USING 20 DIA BOLTS AROUND THE CRIB.
20. BOTH TOP AND BOTTOM LAYERS OF SLEEPERS MUST RUN PARALLEL TO THE TRACK.
19. DURING CONSTRUCTION SAND OR GRIT CAN BE SPRINKLED BETWEEN THE LAYERS OF SLEEPERS FOR ADDITIONAL FRICTION.
18. PACKING CAN BE USED WHEN NECESSARY TO COMPENSATE FOR VARYING THICKNESSES OF SLEEPERS AND WHERE USED SHALL BE NAILED.
17. STAGGERED WEEP HOLES SHALL BE PROVIDED IN C.G.I. SHEETING AT A DISTANCE OF 1 m CENTRE TO CENTRE.
16. DURING SERVICE, THE TEMPORARY ARRANGEMENT SHALL BE KEPT UNDER STRICT WATCH BY D.E.N./A.E.N. CONCERNED.
15. ALL NUTS AND FASTENING ARRANGEMENTS SHOULD BE CHECKED & TIGHTENED DAILY.
14. CRIB SHALL BE CONSTRUCTED OF GOOD SOUND HARD WOOD TRACK SLEEPERS 1830x203x115 (6"x8"x4 1/2").
13. THE ANCHOR BOLTS IN THE BED PLATES OF BEARINGS SHALL PASS THROUGH 2 LAYERS OF SLEEPERS AND PROVIDED WITH 100 mm DIA. WASHERS ON THEIR HEAD SIDE. SLEEPER SPACING IN THESE LAYERS MAY BE LOCALLY ADJUSTED TO TIGHTEN THE ANCHOR BOLTS.
12. THIS DRG. IS APPLICABLE UPTO 1.265 m HEIGHT BELOW BEARING BED PLATE. CRIB ARRANGEMENT FOR LESSER HEIGHTS SHALL BE MANAGED BY REMOVING THE SLEEPERS AT BOTTOM IN THE MULTIPLES OF 2 LAYERS OF SLEEPERS (KEEPING THE BOTTOM MOST 2 LAYERS AS PACKED LAYERS). MINIMUM 5 LAYERS OF SLEEPERS SHALL BE PROVIDED UNDER THE BEARING BED PLATE.
11. SLEEPER JOINTS SHALL BE STAGGERED AS SHOWN.
10. ANCHORING OF TRACK ON APPROACHES SHALL BE DONE AS PER PARA 277 OF I.R. PERMANENT WAY MANUAL-1986.
9. GUARD RAILS ON BRIDGE TIMBERS SHALL BE PROVIDED OVER THE BRIDGE AS PER PARA 275 OF I.R. PERMANENT WAY MANUAL-1986 AND EXTENDED FOR 15 m (INSTEAD OF 6m) ON BOTH THE APPROACHES.
8. THE SOIL BASE UNDER THE SLEEPER CRIB SHALL BE PROPERLY LEVELLED AND WELL CONSOLIDATED IN LAYERS OF 30 Cm.
7. 12.2m SPAN M.G.M.L. GIRDER TO DRG. No. BA-11023 HAS BEEN CONSIDERED AS RELIEVING GIRDER. RAILWAYS MAY USE THEIR OWN RELIEVING GIRDERS DULY CHECKED FOR STRESSES ALONG WITH SLIDING BEARINGS.
6. THE SPACE AVAILABILITY FOR CONSTRUCTION OF ABUTMENTS IN BETWEEN THE CRIBS SHOULD BE CHECKED IN ADVANCE.
5. THE DESIGN CATERS FOR WIND LOAD AT 1.0 Kg/m².
4. SLOPE SHALL BE PROVIDED AS PER SITE CONDITIONS SO AS TO GIVE BEARING CAPACITY AT BOTTOM OF CRIB AT LEAST EQUAL TO 1.0Kg/Cm². HOWEVER, SLOPE SHALL NOT BE LESS THAN 1:1.
3. MAXIMUM PERMISSIBLE SPEED ON CRIB 30 kmph.
2. STANDARD OF LOADING M.G.M.L.
1. ALL DIMENSIONS ARE IN MILLIMETRES.

NOTE

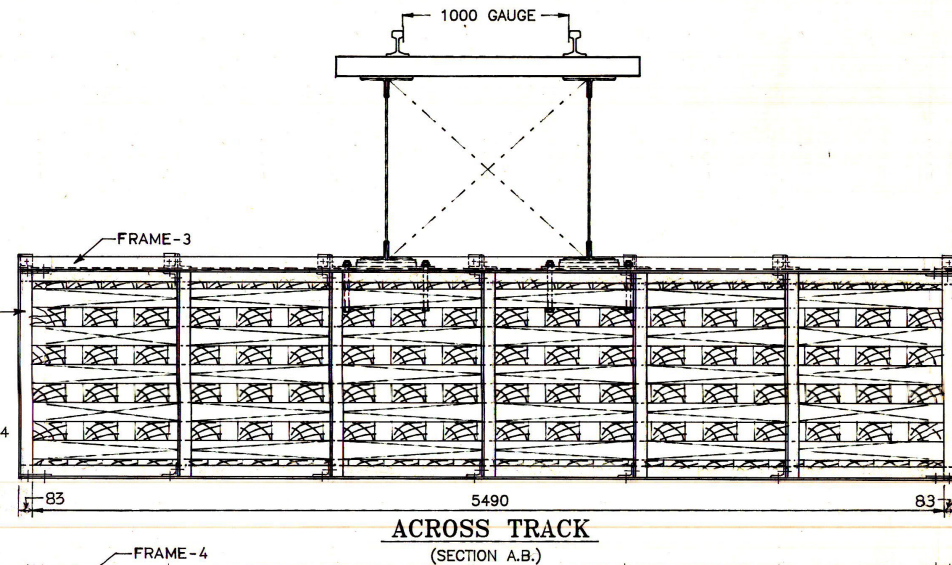
SPECIFICATION

SCALE

ALT; DESCRIPTION

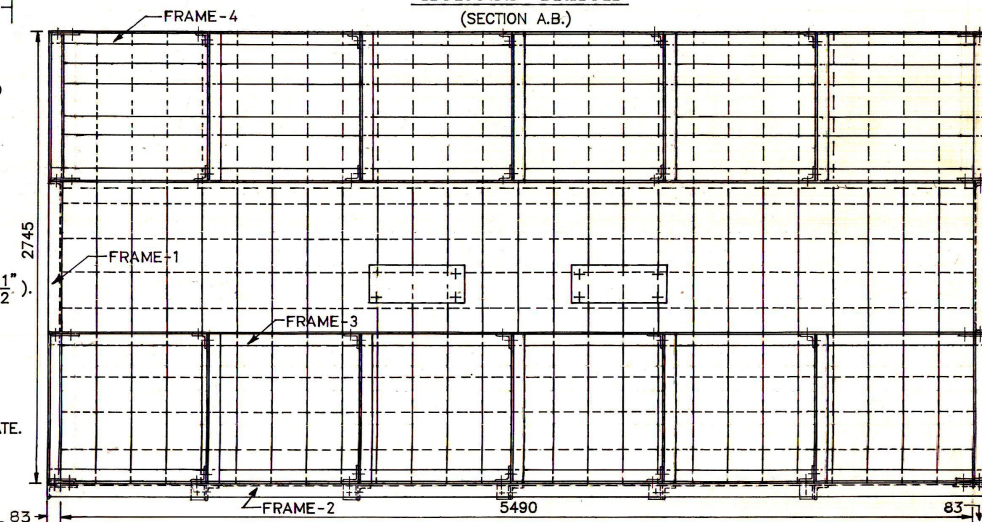
DATE

RDSO/B-1727



ACROSS TRACK

(SECTION A.B.)



PLAN

R. D. S. O.
M.G.M.L. 12.2m SPAN
TEMPORARY ARRANGEMENT
FOR ABUTMENT
USING SLEEPER CRIBS
(FOR MAX. BASE PRESSURE: 1.0Kg/Cm²)

MILLIMETRES
200 0 200 400 600
1:20

CALCULATION REGISTER No. 83/93
PAGE 57-65
DESIGNED BY:-S.S.KASHIVE
CHECKED BY:-N.K.MURTHY

DRAWN BY:- R.B.GUPTA
CHECKED BY:-S.S.KASHIVE

TRACED BY:-
CHECKED BY:-

COMPUTER FILE NAME-B1595M