

REFERENCE DRAWINGS	
F.F. WALL	
F.F. COWING	
RAIL	
RAIL	
RAIL	
PRESTRESSED CONCRETE SLEEPER	
RAIL	R.D.S.O. DRAWING
10 KG	RD50/T-2000
15 KG	RD50/T-2000

CLEAR COVER TO BE AS FOLLOWS:-
60 mm ON ALL SIDES

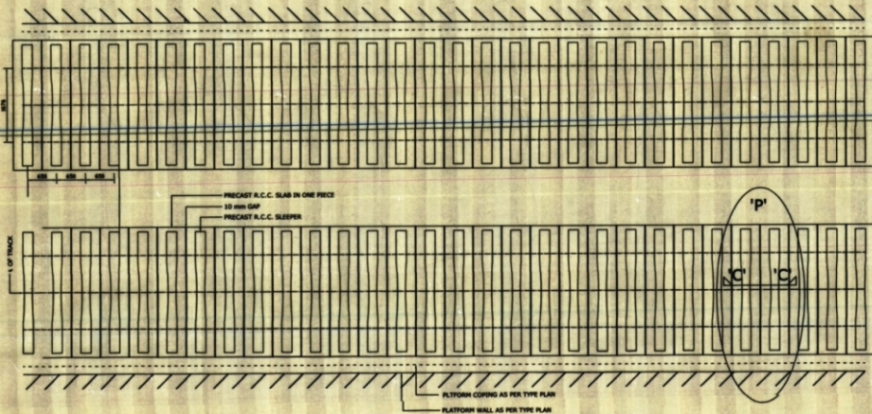
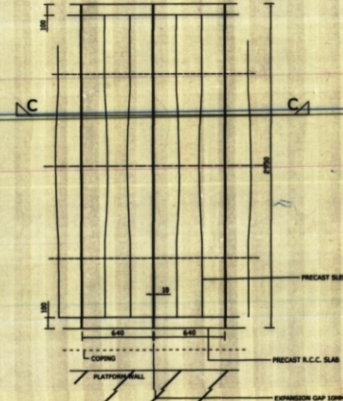
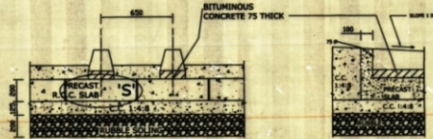
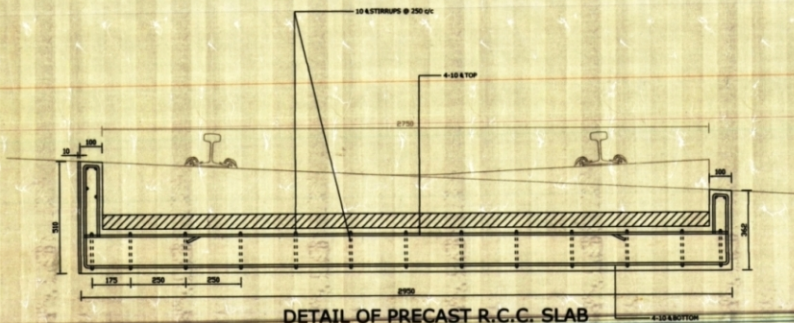
NOTES (contd.):-

19. COMPACTION OF EACH LAYER SHOULD BE DONE PROPERLY AND ENSURED.
20. FOR HOODS OPERAND, SEE SHEET No. 2. OF L-41 (N.R.H.Q.E. PLAN No. HQ/12/12-2010).
21. EBC & INSERTS SHOULD BE GREASED COMPLETELY ONCE A YEAR IN ACCORDANCE WITH PARA 14.11 OF L.R. P-WAY MANUAL OR FREQUENCY MAY BE INCREASED BY SECTIONAL DESIGNER TO SUIT LOCAL CONDITIONS.
22. EXPANSION JOINTS TO BE PROVIDED IN C&H. CONC. AT EVERY 2.8 M SPACING IN BETWEEN R.C.C. BLOCK.
23. CURE TEST MUST BE DONE IN ACCORDANCE WITH IS: 456-1978 & RECORD MUST BE MAINTAINED BY OFFICER CONCERNED.
24. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH SHEET No. 2 OF L-41 (N.R.H.Q.E. PLAN No. HQ/12/12-2010).

FOR TRIAL ONLY**NOTES:-**

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. PRECAST R.C.C. SLAB SHALL BE IN CEMENT CONCRETE M-25 AS PER I.S. CODE 456-2000.
3. TOR STEEL SHALL CONFORM TO I.S. 1786-1985.
4. THE EARTH BELOW RUBBLE SOLING SHALL BE WELL COMPACTED.
5. THE WORK SHOULD BE DONE UNDER COMPLETE BLOCK.
6. SEPS SHALL BE PROVIDED ON END OF L.W.R. AS PER L.W.R. MANUAL TO ISOLATE IT FROM POINTS AND CROSSINGS.
7. LAYING, DRESSING AND MAINTENANCE OF L.W.R. WILL BE SUBJECT TO INSTRUCTIONS CONTAINED IN L.W.R. MANUAL.
8. WHERE POSSIBLE THE BREATHING LENGTH SHOULD BE ON BALLASTED PART OF TRACK.
9. DIRECTION OF SLOPE OF LONGITUDINAL DRAIN MAY BE PROVIDED TO SUIT THE SITE CONDITIONS.
10. ALL CORNERS OF CONCRETE FLOORING AT BOTTOM SHALL BE ROUNDED OFF TO 150 mm RADIUS UNLESS OTHERWISE SPECIFIED.
11. THE BITUMINOUS EMULSION USED IN BITUMINOUS CONCRETE SHALL CONFORM TO IS: 8887-1978 (CATIONIC TYPE). (THE BITUMEN USED IN BITUMEN EMULSION SHALL BE OF GRADE A 35 CONFORMING TO IS: 73-1992).
12. THE COMPOSITION OF BITUMINOUS CONCRETE SHALL BE AS FOLLOWS:

BITUMEN	105 LITRES
PORTLAND CEMENT	137.5 KG.
AGGREGATE	1155 KG.
MAXIMUM SIZE OF AGGREGATE	6mm.
SAND	0.3 CU M. MAX.
WATER	70 LITRES
13. EPOXY MORTAR OF THE FOLLOWING PROPORTION BY WEIGHT SHALL BE USED FOR PROVIDING 5mm THICK EPOXY LAYER. ASALDITE OF 25-100 HARDENER HY 840-45, HARDENER HY 900-2, QUARTZ SAND GR 10-60.
14. EXPANSION GAP TO BE FILLED UP WITH BITUMEN AND SAND.
15. CONSTRUCTION JOINTS SHALL BE PROVIDED AT 10,000 mm C/C.
16. FOR RAIL SEAT ASSEMBLY FOR 52 KG. REFER DRG. No. RD50/T-3731.
17. THIS IS ALTERNATE DRAWING TO N.R.H.Q.E. PLAN No. HQ/06/6-94-R USING UNDER REAPED PILES AND IS TO BE ADOPTED ON LINES WHERE SPEED IS NOT LIKELY TO EXCEED 30 KMPH.
18. THIS DRAWING IS BASED ON R.D.S.O. PLAN No. RD50/T-4781(R).

**DETAIL AT: 'B'**

THIS PLAN SUPERCEDES
N.R. TYPE NO. L-38 AND
N.R.H.Q.E. PLAN No.: HQ/09/12-96

DRAWING OFFICE ENGINEERING

WASHABLE APRON FOR
B.G. 60 KG. UTC/52 KG
FOR 30 KMPH SPEED
WITH L.W.R. USING
PRECAST R.C.C. SLAB
FOUNDATION

PLAN, SECTION AND
R.C.C. DETAILS

SCALE: 1/30 & 1/30

CASE NO. 187-197/1978
DOA/12/12-2010

SHEET No. 1 OF 2