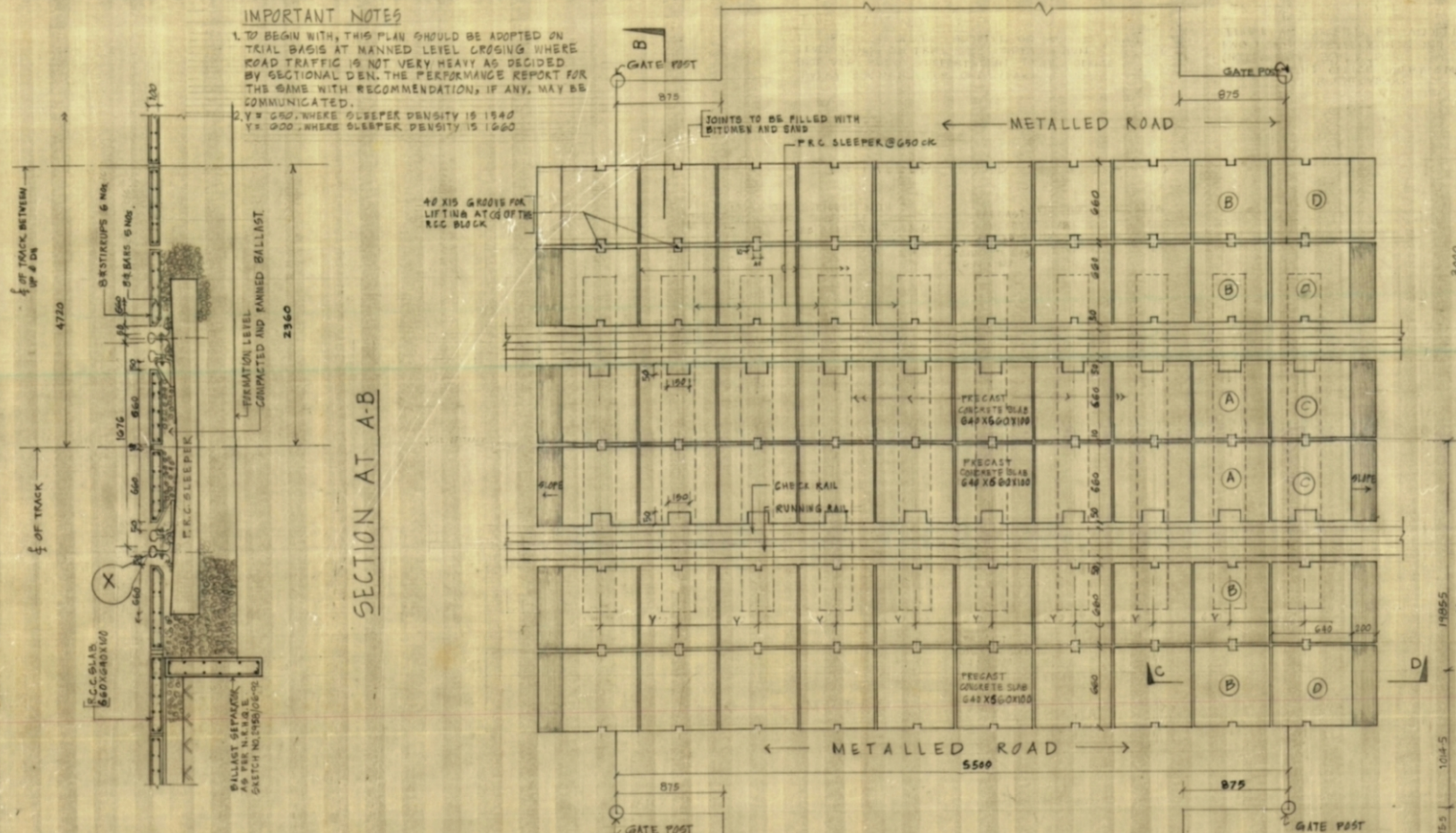


IMPORTANT NOTES

1. TO BEGIN WITH, THIS PLAN SHOULD BE ADOPTED ON TRIAL BASIS AT MANNED LEVEL CROSSING WHERE ROAD TRAFFIC IS NOT VERY HEAVY AS DECIDED BY SECTIONAL DEN. THE PERFORMANCE REPORT FOR THE SAME WITH RECOMMENDATION, IF ANY, MAY BE COMMUNICATED.
2. Y & Z GRD. WHERE SLEEPER DENSITY IS 1940
Y & Z GRD. WHERE SLEEPER DENSITY IS 1960



SECTION AT A-B

NOTES:-

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. TOP STEEL SHOWN THUS-----
3. ALL REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH DEFORMED BARS CONFORMING TO IS 1786-1985.
4. COVER TO REINFORCEMENT SHALL NOWHERE BE LESS THAN THAT SHOWN IN THE PLAN OR AS SPECIFIED IN IS 456-1978.
5. ALL R.C.C. WORK SHALL BE IN NOMINAL MIX M15.
6. CONCRETING SHALL BE DONE IN ACCORDANCE WITH STIPULATIONS LAID DOWN IN IS 456-1978.
7. RAIL JOINTS MAY BE ELIMINATED FROM LEVEL CROSSING PORTION.
8. ALL JOINTS OF PRECAST R.C.C. BLOCK SHALL BE FILLED UP BY BITUMEN AND SAND MIXTURE.
9. GROOVE 40 X 15 MM FOR LIFTING PRECAST R.C.C. BLOCK SHALL BE PROVIDED ON THE CG OF 640/640 SIDES.
10. E.R.C. SHOULD BE CLEANED AND GREASED IN ACCORDANCE WITH PARA 1411(5)(a) OF I.R. RWAY MANUAL.
11. MINOR MODIFICATIONS MAY BE DONE AT SITE TO SUIT.

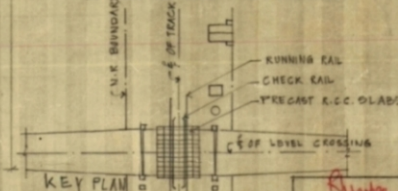
MODUS OPERANDI

A) FOR CASTING OF SLABS:-

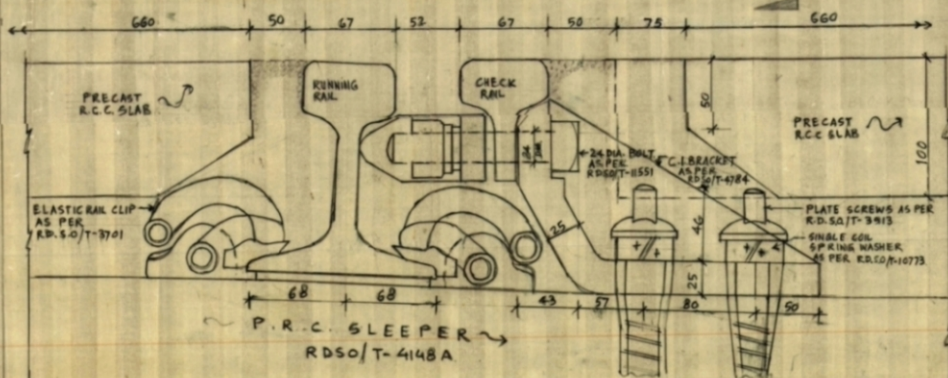
1. THE MOULD OF STEEL BE USED FOR CASTING.
2. A PUCCA PLAIN PLATFORM BE USED FOR THE CASTING OF SLAB TO ACHIEVE GOOD FINISH IN BOTH PAGES.
3. COMPACTION OF CONCRETE BE DONE USING VIBRATOR.
4. POND CURING BE DONE.

B) FOR LAYING:-

1. SLAB UNITS BE LAID IN POSITION ONE BY ONE SO AS TO REDUCE THE WIDTH OF JOINT.
2. A SMOOTH BED OF BALLAST BE PREPARED WITHOUT USING EARTH/GAND.
3. CAREFUL HANDLING OF PRECAST SLAB BE ENSURED SO THAT THE SLAB IS NOT DAMAGED.

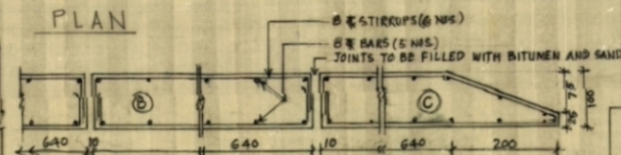


(K.R. SARKAR)
 CHIEF ENGINEER/P&D
 (KATSEV SINGH)
 DY. CHIEF ENGINEER/P&D
 (S.L. MAHAJAN)
 SEN / P&D



DETAIL AT 'X'

PLAN



SECTION AT C-D

FITTINGS

ITEM	QTY	REMARKS
P.R.C. SLEEPER	10	RD 50/T-4148A
PLATE SCREW	40	RD 50/T-3913
C.I. BRACKET	20	RD 50/T-4784
24 PIN. MNT.	20	RD 50/T-1551
ELASTIC RAIL CLIP	40	RD 50/T-3701

CLEAR COVER TO BE AS FOLLOWS

FOR SLABS 25 AT TOP & BOTTOM.
FOR ENDS OF SLABS 25 ALL ROUND

PRECAST R.C.C. SLAB

UNIT	SIZE	WEIGHT/UNIT
A	640 X 600 X 100	166 KG
B	640 X 600 X 100	166 KG
C	640 X 600 X 100	127 KG
D	640 X 600 X 100	127 KG

NORTHERN RAILWAY

उत्तर रेलवे

PLAN SHOWING PRECAST
 R.C.C. SLABS AT
 LEVEL CROSSING
 समथार पर पर्व निमित्त आर. सी.
 सी. ग्लाको को दर्शाता।

DRAWN
 (SATYAN HOODA)
 (KATSEV SINGH)
 (K.P. D. N. SINGH)

SCALE 1:120, 1:2, 1:5

CALCULATION NO.

DESCRIPTION INITIALS

CASE NO.

CANDLES PLAN NO.

REVISIONS

N.R.H.Q.E. PLAN NO. HQ/8/09-96