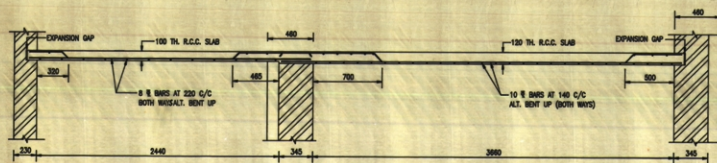
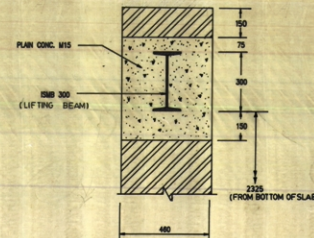
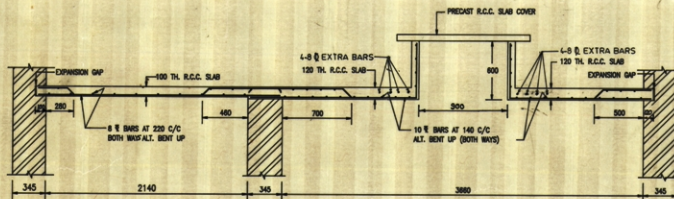


NOTES:-

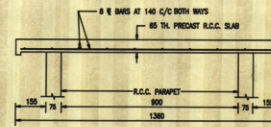
1. FOR GENERAL ARRANGEMENT SEE N.R.H.Q.E. PLAN No. HQ/19/12-94 (SHEET No. 1)
2. ALL R.C.C. WORK SHALL BE IN NOMINAL MIX. CONCRETE M-15 AS PER IS-456-1978 CODE OF PRACTICE FOR PLAIN AND REINFORCED CONCRETE.
3. CONCRETING SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATION Laid down in IS-456-1978.
4. PROPER CURING OF CONCRETE TO ACQUIRE HARDNESS, STRENGTH AND OTHER PROPERTIES, ESSENTIAL FOR SATISFACTORY SERVICE SHALL BE ENSURED.
5. ALL CONCRETE SHALL BE MECHANICALLY MIXED AND VIBRATED.
6. COVER TO REINFORCEMENT SHALL NOT BE LESS THAN THAT SHOWN ON THE PLAN OR AS SPECIFIED IN IS-456-1978.
7. HIGH YIELD STRENGTH COLD TWISTED DEFORMED BARS SHALL CONFORM TO IS-1786-1985.
8. PARTICULAR CARE MUST BE TAKEN TO ENSURE THAT:
 - (i) NO SAG OCCURS IN THE REINFORCING BARS DURING CONSTRUCTION.
 - (ii) STRUPTS ARE EFFECTIVELY TIED WITH WIRE TO THE MAIN REINFORCING BARS.
9. LENGTH OF SPLICES WHERE BARS OBTAINED ARE OF SHORTER LENGTH SHALL NOT BE LESS THAN 60 TIMES THE DIAMETER OF SUCH BARS.
10. SPLICES SHALL NOT BE GIVEN AT SUPPORTS OR AT CENTRE OF SPAN. THESE SHALL PREFERABLY BE LOCATED AT QUARTER SPAN POINT.
11. THE NUMBER OF BARS SHALL BE DECIDED FROM THE SPACING MENTIONED ON THE DRAWING AND NOT BY COUNTING THE BARS.
12. ALL R.C.C. WORK MUST BE CARRIED OUT UNDER THE PERSONAL SUPERVISION OF AN EXPERIENCED CIVIL ENGINEER.
13. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
14. TOR STEEL SHOWN THUS - - - - -



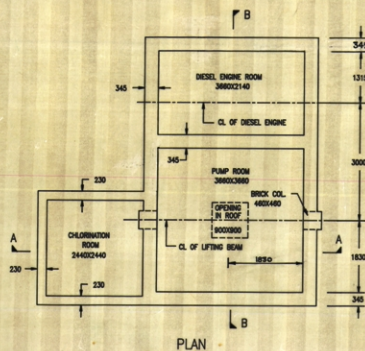
SECTION A-A

X-SEC. AT SUPPORTS
(ISMB 300 @ 44.2 Kg/m)

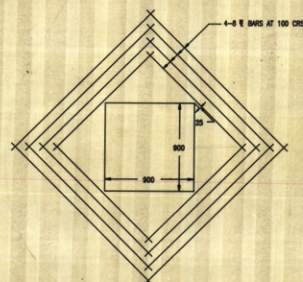
SECTION B-B



DETAIL OF PRECAST R.C.C. SLAB COVER



PLAN

SECTIONAL PLAN
(OPENING IN ROOF)
4-8 # EXTRA BARS
AT ROOF LEVEL

CLEAR COVER TO BE AS FOLLOWS

1. FOR SLABS 15 AT TOP & BOTTOM
2. FOR ENDS OF SLAB 25 MIN. OR TWICE DIA OF BAR WHICH EVER IS MORE

(ANY CORN.)
BY: C.E./PBD
DATE: 19/12/94
(SUNIL BHASKAR)
A.E.R./PBD

NORTHERN RAILWAY

STANDARD PLAN
OF
PUMP HOUSE

R.C.C. DETAIL OF SLABS

SL. NO.	DESCRIPTION	INITIAL	SCALE: 1:50, 1:20 & 1:10	CALCULATION No.
1	REVISION		N.R.H.Q.E. PLAN No. HQ/19/12-94	SHEET NO. 2