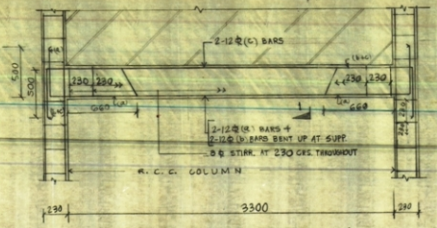
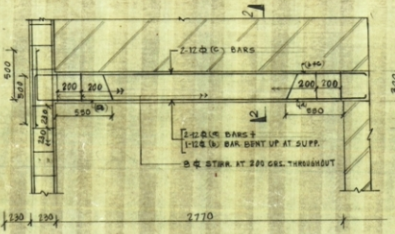
N.R. TYPE PLAN NO. O-88 | N.R.H.Q.E. PLAN No.: HQ/23/06/02 | IN SHEETS | SHEET No. 2



L-SEC: OF BEAM B-1 (AT LINTEL LEVEL)



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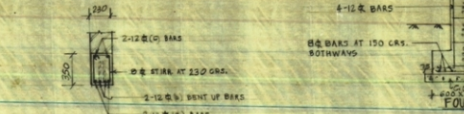
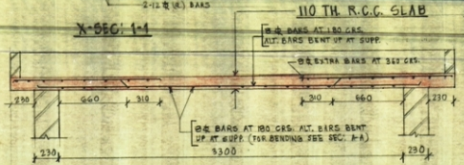
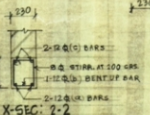


X-SEC: 1-1



SECTION B-B



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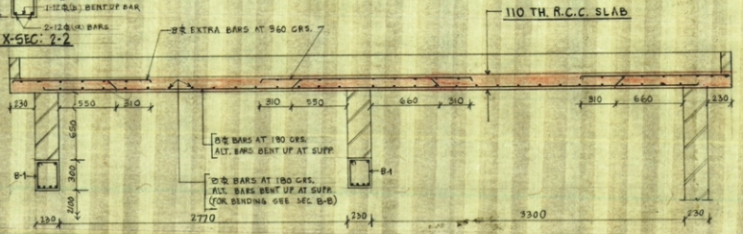
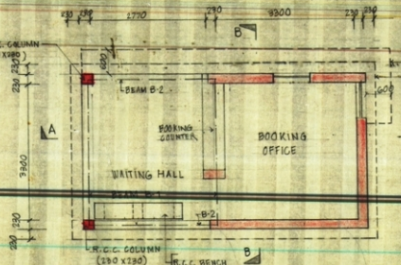
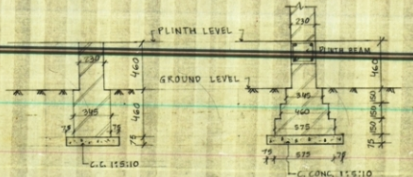


SECTION A-A

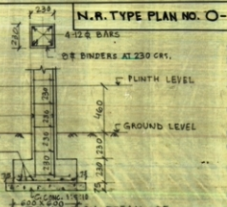


PLAN

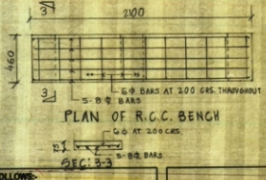


FOUNDATION DETAIL OF VERANDAH WALL BELOW P. LEVEL

FOUNDATION DETAIL OF 230 TH. WALL



FOUNDATION DETAIL OF R.C.C. COLUMN



PLAN OF R.C.C. BENCH

SEC: 3-3

NOTES:

1. FOR GENERAL ARRANGEMENT SEE N.R.H.Q.E. PLAN NO. HQ/23/06/02 SHEET NO. 1
2. ALL R.C.C. WORK SHALL BE IN NOMINAL MIX CONCRETE M20 AS PER IS:456-2000 CODE OF PRACTICE FOR PLAIN AND REINFORCED CONCRETE.
3. CONCRETING SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS LAID DOWN IN IS:456-2000.
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 NO WHERE BE LESS THAN THAT SHOWN ON THE PLAN OR AS SPECIFIED IN IS:456-2000.
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) STIRRUPS ARE EFFECTIVELY TIED WITH WIRE TO THE MAIN REINFORCING BARS.
9. LENGTH OF SPLICE 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 POINTS.
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 MILLIMETERS UNLESS OTHERWISE SPECIFIED.
14. FOR R.C.C. DETAILS OF LINTELS AND CHHAJJAS OVER DOORS AND WINDOWS NOT SHOWN IN THIS DRAWING REFERENCE MAY BE MADE TO N.R.H.Q.E. TYPE PLAN NO. Q 138 & Q139.
15. EXPANSION GAPS TO BE FILLED UP WITH BITUMEN/EXPANSION BOARD.
16. TOR STEEL SHOWN THUS---------- ⊛
17. FOUNDATIONS HAVE BEEN DESIGNED FOR SINGLE STOREY.
18. ASSUMED SAFE BEARING CAPACITY OF SOIL - 10 T/m²
19. IN CASE SOIL AT SITE IS NOT SAFE FOR THE ASSUMED SOIL PRESSURE, THE FOUNDATION MAY BE SUITABLY ALTERED UNDER ADVICE TO THE HEAD QUARTERS OFFICE.
20. M.S. PLAIN BARS SHOWN THUS - ϕ

CLEAR COVER TO BE AS FOLLOWS:-

1. FOR SLABS ——— 20 AT TOP & BOTTOM.
2. FOR LINTELS & BEAMS ——— 25 ALL ROUND.
3. FOR END OF SLABS, LINTELS & BEAMS — 25 MINIMUM OR TWICE DIA OF BAR WHICHEVER IS MORE.

Dy.C.E./P&D : (S.C.JAIN)

XEN/P&D : (G.D.CHAUKIYAL)

AXEN/P&D : (J.K.JAIN)

NORTHERN RAILWAY

TYPE PLAN OF HALT STATION

R.C.C. DETAILS

SCALE : 1:50 & 1:20

CALCULATION No.:

CASE No.:

CANCELS PLAN No.:

N.R.H.Q.E. PLAN No.: HQ/23/06-02

IN SHEETS SHEET No. 2

S.No.	DATE	DESCRIPTION	INITIALS
		REVISION	