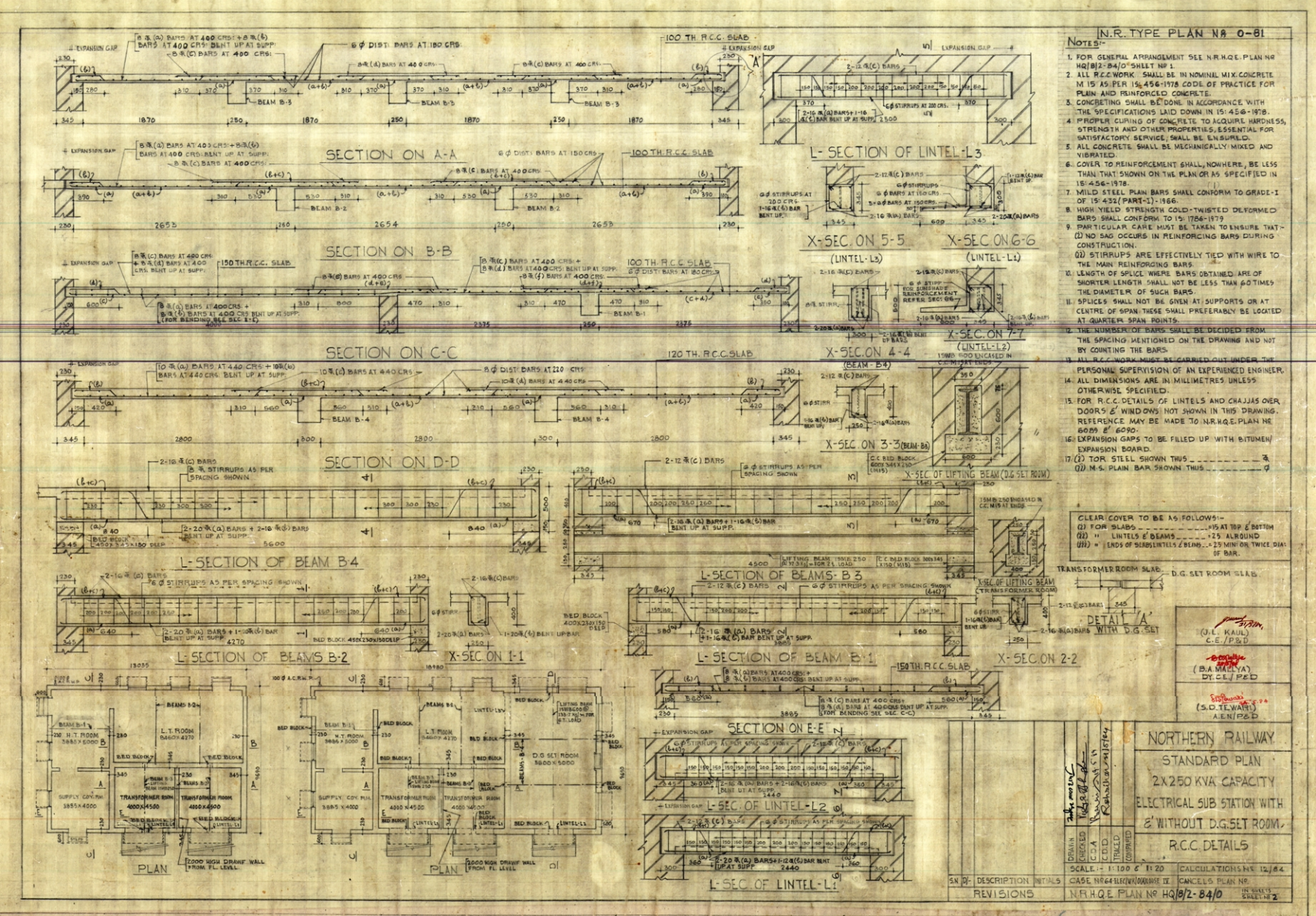

N.R. TYPE PLAN NO 0-81
NOTES:-
1. FOR GENERAL ARRANGEMENT SEE N.R.H.Q.E. PLAN NO HQ/8/2-84/0 SHEET NO 1.
2. ALL R.C.C. WORK SHALL BE IN NOMINAL MIX CONCRETE M 15 AS PER IS: 456-1978 CODE OF PRACTICE FOR PLAIN AND REINFORCED CONCRETE.
3. CONCRETING SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS LAID 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, NOWHERE, BE LESS THAN THAT SHOWN ON THE PLAN OR AS SPECIFIED IN IS: 456-1978.
7. MILD STEEL PLAIN BARS SHALL CONFORM TO GRADE-I OF IS: 432 (PART-I)-1966.
8. HIGH YIELD STRENGTH COLD-TWISTED DEFORMED BARS SHALL CONFORM TO IS: 1786-1979
9. PARTICULAR CARE MUST BE TAKEN TO ENSURE THAT- (i) NO SAG OCCURS IN REINFORCING BARS DURING CONSTRUCTION. (ii) STIRRUPS ARE EFFECTIVELY TIED WITH WIRE TO THE MAIN REINFORCING BARS.
10. LENGTH OF SPLICE WHERE BARS OBTAINED ARE OF SHORTER LENGTH SHALL NOT BE LESS THAN 60 TIMES THE DIAMETER OF SUCH BARS.
11. SPLICES SHALL NOT BE GIVEN AT SUPPORTS OR AT CENTRE OF SPAN. THESE SHALL PREFERABLY BE LOCATED AT QUARTER SPAN POINTS.
12. THE NUMBER OF BARS SHALL BE DECIDED FROM THE SPACING MENTIONED ON THE DRAWING AND NOT BY COUNTING THE BARS.
13. ALL R.C.C. WORK MUST BE CARRIED OUT UNDER THE PERSONAL SUPERVISION OF AN EXPERIENCED ENGINEER.
14. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
15. FOR R.C.C. DETAILS OF LINTELS AND CHAJJAS OVER DOORS & WINDOWS NOT SHOWN IN THIS DRAWING, REFERENCE MAY BE MADE TO N.R.H.Q.E. PLAN NO 6059 & 6090.
16. EXPANSION GAPS TO BE FILLED UP WITH BITUMEN/ EXPANSION BOARD.
17. (i) TOR. STEEL SHOWN THUS _____ (ii) M.S. PLAIN BAR SHOWN THUS _____
SECTION ON A-A
SECTION ON B-B
SECTION ON C-C
SECTION ON D-D
L-SECTION OF BEAM B-4
L-SECTION OF BEAMS B-2
X-SEC. ON 1-1
L-SECTION OF LINTEL-L3
X-SEC. ON 5-5 (LINTEL-L3)
X-SEC. ON 6-6 (LINTEL-L1)
X-SEC. ON 7-7 (LINTEL-L2)
X-SEC. ON 4-4 (BEAM-B4)
X-SEC. ON 3-3 (BEAM-B3)
X-SEC. OF LIFTING BEAM (D.G SET ROOM)
L-SECTION OF BEAMS- B 3
X-SEC. OF LIFTING BEAM (TRANSFORMER ROOM)
DETAIL 'A' WITH D.G. SET
L-SECTION OF BEAM B-1
X-SEC. ON 2-2
SECTION ON E-E
L-SEC. OF LINTEL-L2
L-SEC. OF LINTEL-L1
PLAN
PLAN
CLEAR COVER TO BE AS FOLLOWS:-
(i) FOR SLABS ..... =15 AT TOP & BOTTOM
(ii) " LINTELS & BEAMS ..... =25 ALROUND
(iii) " ENDS OF SLABS/LINTELS & BEAMS .. =25 MIN OR TWICE DIA OF BAR.
(U.L. KAUL) C.E./P&D
(B.A. MALLYA) DY. CE/PED
(S.D. TEWARI) A.E.N/P&D
NORTHERN RAILWAY
STANDARD PLAN
2X250 KVA CAPACITY ELECTRICAL SUB STATION WITH & WITHOUT D.G. SET ROOM.
R.C.C. DETAILS
DRAWN
CHECKED
C.E.A
C.D.O.
TRACED
COMPARED
SCALE:- 1:100 & 1:20
CALCULATIONS NO 12/84
CASE NO 64-ELEC/WA/OORGORE IV
CANCELS PLAN NO.
N.R.H.Q.E. PLAN NO HQ/8/2-84/0
SHEET NO 2
SR. NO. DESCRIPTION INITIALS
REVISIONS