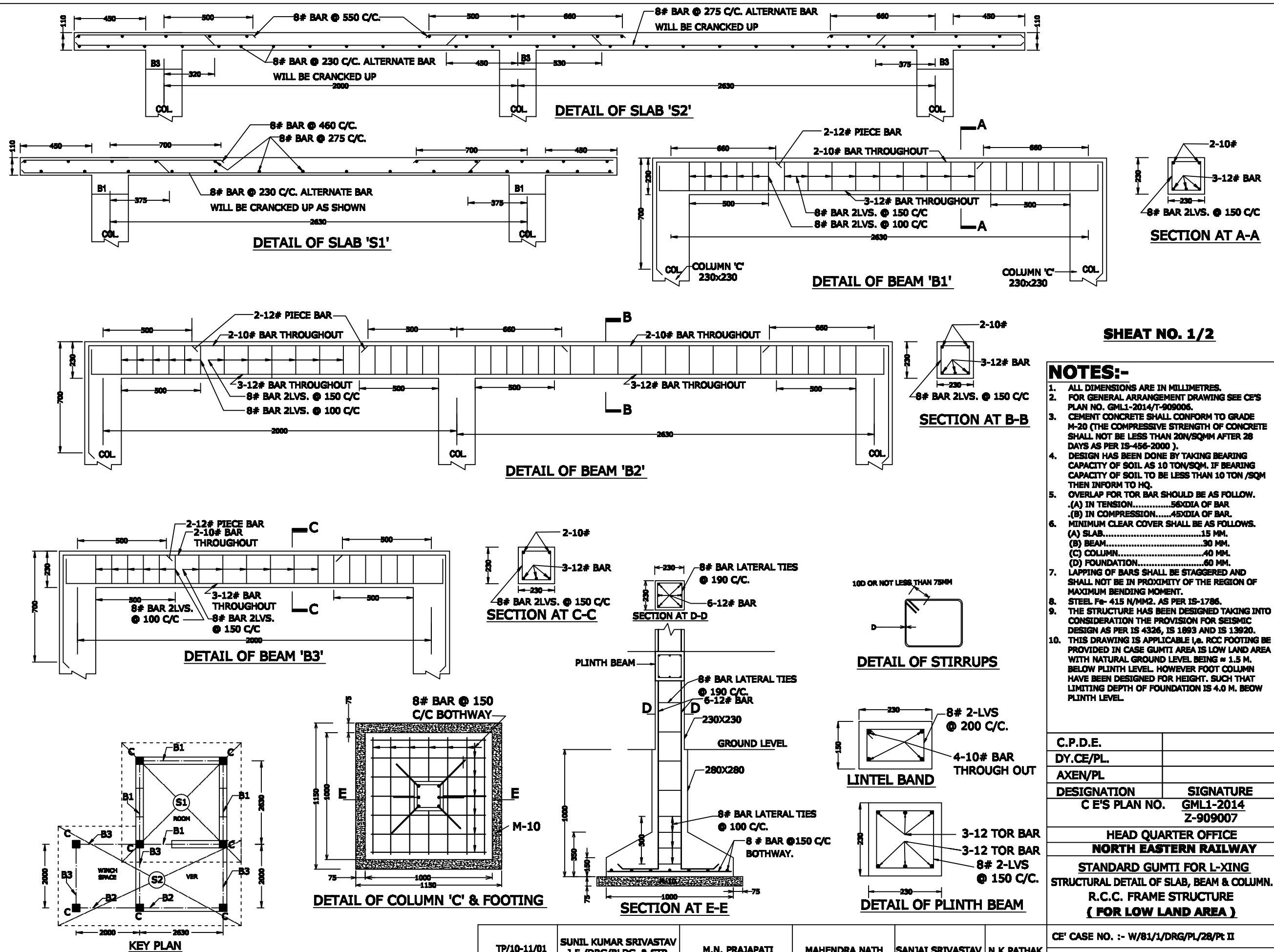




SHEET NO. 1/2

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES.
- FOR GENERAL ARRANGEMENT DRAWING SEE CE'S PLAN NO. GML1-2014/T-909006.
- CEMENT CONCRETE SHALL CONFORM TO GRADE M-20 (THE COMPRESSIVE STRENGTH OF CONCRETE SHALL NOT BE LESS THAN 20N/SQMM AFTER 28 DAYS AS PER IS-456-2000).
- DESIGN HAS BEEN DONE BY TAKING BEARING CAPACITY OF SOIL AS 10 TON/SQ.M. IF BEARING CAPACITY OF SOIL TO BE LESS THAN 10 TON /SQ.M THEN INFORM TO HQ.
- OVERLAP FOR TOR BAR SHOULD BE AS FOLLOW.
(A) IN TENSION.....50X DIA OF BAR.
(B) IN COMPRESSION.....45X DIA OF BAR.
- MINIMUM CLEAR COVER SHALL BE AS FOLLOWS.
(A) SLAB.....15 MM.
(B) BEAM.....30 MM.
(C) COLUMN.....40 MM.
(D) FOUNDATION.....60 MM.
- LAPPING OF BARS SHALL BE STAGGERED AND SHALL NOT BE IN PROXIMITY OF THE REGION OF MAXIMUM BENDING MOMENT.
- STEEL Fe- 415 N/MM². AS PER IS-1786.
- THE STRUCTURE HAS BEEN DESIGNED TAKING INTO CONSIDERATION THE PROVISION FOR SEISMIC DESIGN AS PER IS 4326, IS 1893 AND IS 13920.
- THIS DRAWING IS APPLICABLE I.e. RCC FOOTING BE PROVIDED IN CASE GUMTI AREA IS LOW LAND AREA WITH NATURAL GROUND LEVEL BEING $\approx$ 1.5 M. BELOW PLINTH LEVEL. HOWEVER FOOT COLUMN HAVE BEEN DESIGNED FOR HEIGHT. SUCH THAT LIMITING DEPTH OF FOUNDATION IS 4.0 M. BEOW PLINTH LEVEL.

C.P.D.E.	
DY.CE/PL.	
AXEN/PL.	
DESIGNATION	SIGNATURE
C E'S PLAN NO.	GML1-2014 Z-909007
HEAD QUARTER OFFICE NORTH EASTERN RAILWAY	
STANDARD GUMTI FOR L-XING STRUCTURAL DETAIL OF SLAB, BEAM & COLUMN. R.C.C. FRAME STRUCTURE (FOR LOW LAND AREA)	

CE' CASE NO. :- W/81/1/DRG/PL/28/PL II

SCALE :- NOT TO SCALE

TP/10-11/01
REGISTER NO.

SUNIL KUMAR SRIVASTAV
J.E./DRG/BLDG. & STR.
PREPARED BY

M.N. PRAJAPATI
SSE/DRG/BLDG. & STR.

MAHENDRA NATH
SSE/DRG/INCHARGE

SANJAI SRIVASTAV
SSE/DESIGN

N.K.PATHAK
SSE/DESIGN