

NOTES :

1. THESE DRAWING SHOULD NOT BE SCALLED-OFF. ONLY WRITTEN DIMENSION SHOULD BE TREATED AS CORRECT.
2. COVERS-----

TO COLUMNS --- 40mm  
TO BEAMS --- TOP AND BOTTOM= 40mm , SIDE=25mm  
TO SLAB --- 20mm

3. CONCRETE MIX---- USE MIX -M25

4. LOAD CONSIDERATION-----

ONLY FOR G+1 STRUCTURE

5. USE -FE 500 TMT STEEL

6. LAP LENGTH BY 50D WHERE D =DIA OF BAR

- 7- HOOKS OF STRIPS TO BE PLACED ALTERNATE IN VERTICAL REINFORCEMENT OF COLUMN OR HORIZONTAL REINFORCEMENT OF BEAMS.

8. PROVIDE A LAP LENGTH OF 50 TIMES DIA OF BAR WHEREVER LAPPING IS NEEDED.

9. DEVELOPMENT LENGTH 42 TIMES DIA.

10. SBC CONSIDER AS 180 Kn / SQ. MT.

11. READ THE DRAWING ALONG WITH ARCHITECTURAL DRG. IN CASE OF ANY NOTICE DISCREPANCY BEING NOTED IT SHALL BE IMMEDIATLY BROUGHT TO THE CONSULTENT BEFORE COMMENCING THE WORK.

12. THE CLEAR COVER SHOWN IN TABLE BELOW SHALL BE FROM THE OUTER FACE OF THE TIES / STIRRUPS.

ITEM	GRADE OF CONCRETE	GRADE OF STEEL	CLEAR COVER
COLUMNS	M-25	Fe-500	40mm
FOOTINGS	M-25	Fe-500	75mm
BEAMS	M-25	Fe-500	25mm

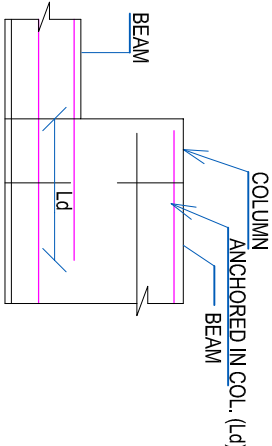
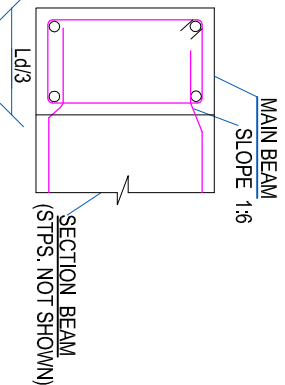
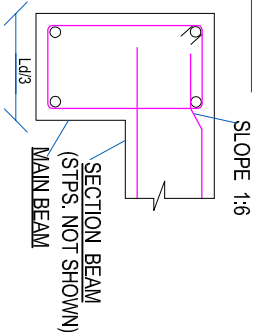
REFERENCES:

1. IS: 456-2000 FOR PLAIN & R.C.C. WORKS.
2. IS: 1893-2002 FOR EARTH-QUAKE RESISTANT DESIGN OF STRUCTURE

GENERAL NOTE-

1. ALL DIMENTION ARE IN M.M. UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE THIS DRAWING , ONLY WRITTEN DIMENTION ARE TO BE FOLLOWED.
3. REFER THE DRAWING ALONG WITH OTHER RELEVENT DRAWINGS.
4. DIMENTION SHOULD BE CHECKED AND VERIFIED AT SITE BEFORE EXECUTION OF WORK.
5. ANY DISCREPANCY IN THE DRAWING TO BE BROUGHT TO THE NOTICE OF THE ARCHITECT.
6. MAKE 50MM PROVISION FOR VITRIFIED FLOORING (FFL).

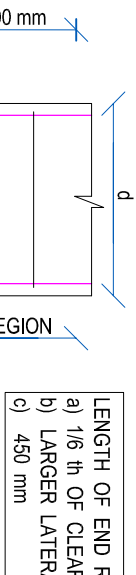
DUCTILE DETAIL :-



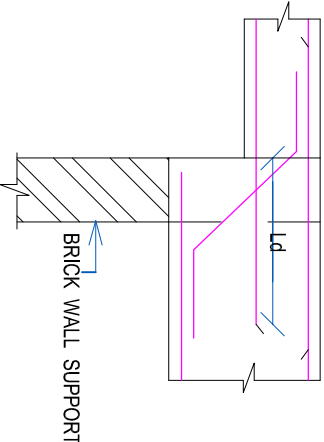
JUNCTION OF MAIN & SEC. BEAM  
(UNEQUAL DEPTH)

JUNCTION OF MAIN & SEC. BEAM  
(EQUAL DEPTH)

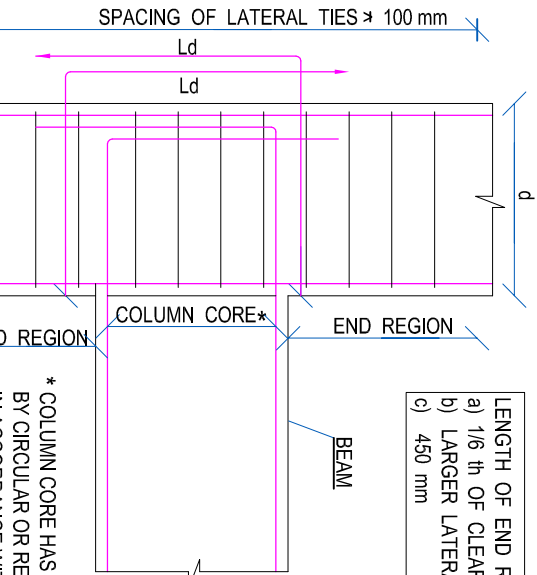
JUNCTION OF COL. & BEAM OF  
DIFFERENT WIDTH PLAN



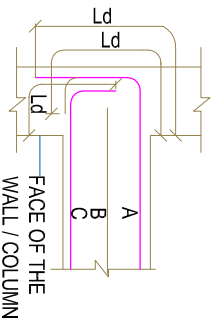
LENGTH OF END REGION SHALL BE LARGEST OF  
a) 1/6 th OF CLEAR HEIGHT OF COLUMN  
b) LARGER LATERAL DIMENSION OF THE COLUMN, &  
c) 450 mm



BEAM AT DIFFERENT DEPTH



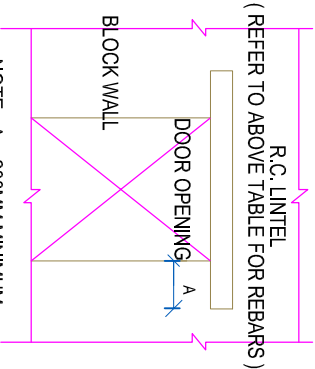
\* COLUMN CORE HAS TO BE CONFINED  
BY CIRCULAR OR RECTANGULAR TIES  
IN ACCORDANCE WITH END REGION



FACE OF THE  
WALL / COLUMN

A - TOP BARS      B - SKIN REINFORCEMENT BARS      C - BOTTOM BARS  
: SKIN REINFORCEMENT BARS ARE TO BE PROVIDED WHEN BEAM DEPTH  
GREATER THAN OR EQUAL TO 750mm, UNLESS OTHERWISE SHOWN.  
(REFER RELEVANT DRAWINGS FOR BAR SIZE / SPACING)

BEAM COLUMN JOINT  
AT EXTERNAL COLUMN



(REFER TO ABOVE TABLE FOR REBARS)

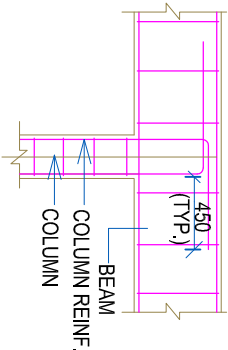
R.C. LINTEL

DOOR OPENING

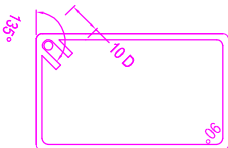
BLOCK WALL

NOTE - A = 200MM MINIMUM

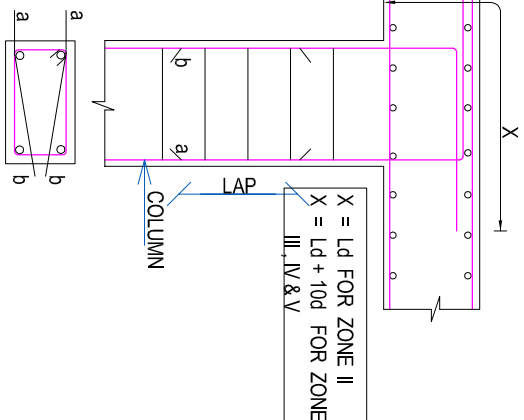
TYPICAL LINTEL ELEVATION



COLUMN TERMINATION DETAIL



TYPICAL DETAIL OF  
BEAM STIRRUPS



X = Ld FOR ZONE II  
X = Ld + 10d FOR ZONE  
III, IV & V

DETAILS OF TERMINATION OF COLUMN

BAR INSIDE THE SLAB