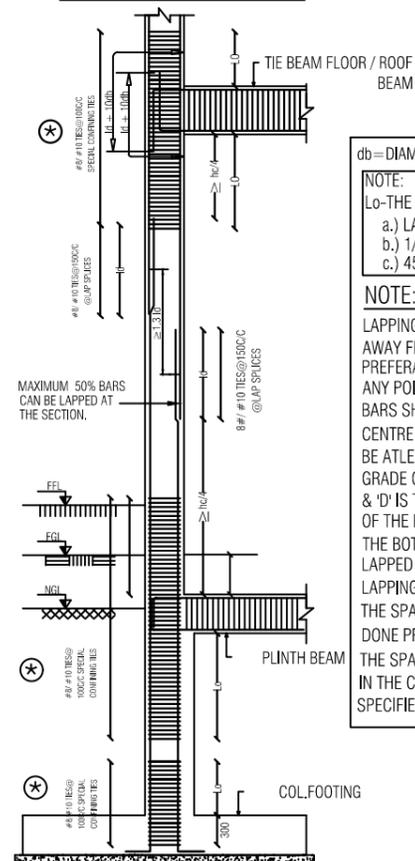


**GENERAL NOTES:**

- 1) Drawings shall be read in conjunction with architectural dwgs.
- 2) All dimensions are in mm unless specified otherwise.
- 3) Dimensions of the drawings shall not be scaled.
- 4) Written dimensions should be followed. In case of any discrepancy the same shall be referred to the architect.
- 5) Steel grade is Fe 415 D for all bars except 6mm bars, which shall be of mild steel.
- 6) Reinforcement Concrete shall be M25 for all R.C.C items.
- 7) Normal cover to all reinforcement shall be
  - (a) Foundation-60 mm (b) Column-40 mm (c) Beam-25mm (d) Slab-15 mm
- 8) Lap length requirement are as follows
  - (a) Not more than 50% bars shall be lapped at a section(U.N.O)
  - (b) Laps are 48 times dia of bar  
No lapping shall be done for cantilever beam.
  - (c) When bars of 2 different diameters are to be lapped, lap length shall be based on diameter of smaller bar.
- 9) Spacer bars of 25mm dia or maximum dia of longitudinal bar, whichever is higher shall be provided between 2 layers of longitudinal reinforcement in beam.
- 10) The concrete is assumed to be machine mixed.
- 11) All covers shall be ensured by precast cover blocks made of C:M 1:3 and dip cured for 7 days with embedded binding wires for tying them.
- 12) All top bars of slab shall be supported with chairs of appropriate dia at 1000 mm c/c.
- 13) Isolated Footing is adopted, SBC:200kN/m<sup>2</sup>
- 14) Foundation is designed for G+2

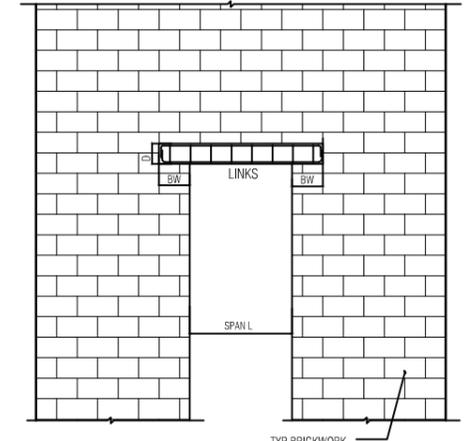
DIAMETER & SHAPE OF TIES REFER COLUMN DETAIL DRAWING



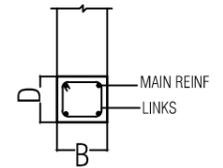
db = DIAMETER OF THE BAR IN BEAM

NOTE:  
L<sub>o</sub> - THE LENGTH SHALL NOT BE LESS THAN  
a.) LARGER LATERAL DIMENSION OF THE COL.  
b.) 1/6 OF CLEAR HEIGHT OF THE COL.  
c.) 450mm

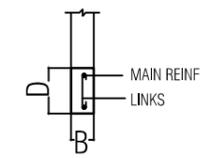
NOTE:  
LAPPING OF COLUMN BARS SHALL BE DONE AWAY FROM BEAM-COLUMN JUNCTIONS; PREFERABLY AT THE MIDDLE OF FLOORS. AT ANY POINT, NOT MORE THAN 50% OF COLUMN BARS SHALL BE LAPPED AND CENTRE TO CENTRE DISTANCE BETWEEN THE LAPS SHALL BE AT LEAST "1.3 ld" WHERE ld = 48D FOR M-25 GRADE CONCRETE AND Fe 415 D GRADE STEEL & 'D' IS THE DIAMETER OF THE LESSER DIAMETER OF THE BARS BEING LAPPED.  
THE BOTTOM BARS IN THE BEAMS SHALL BE LAPPED CLOSER TO THE COLUMNS AND LAPPING SHALL BE AVOIDED AT THE MIDDLE OF THE SPANS. FOR TOP BARS LAPPING SHALL BE DONE PREFERABLY AT CENTRE OF THE SPANS. THE SPACING OF TIES AT OTHER LOCATION IN THE COLUMN SHALL BE PROVIDED AS SPECIFIED IN THE DETAILS OF COLUMNS.



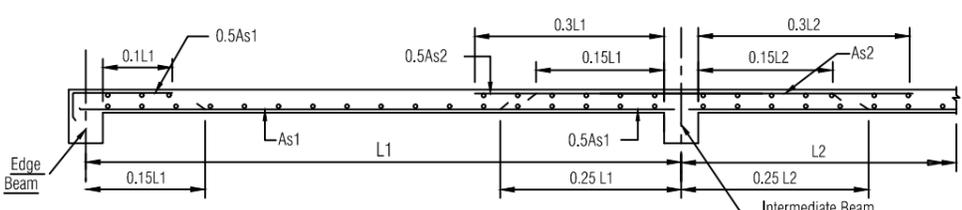
TYPICAL DETAIL FOR LINTEL



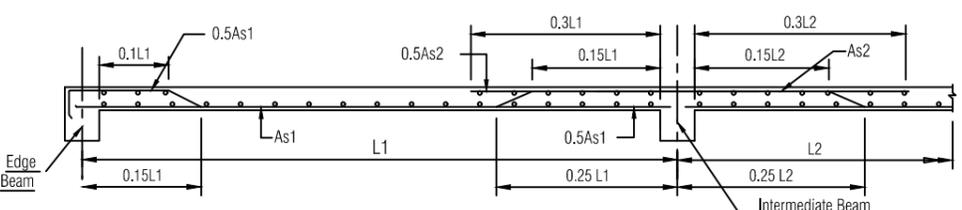
200 THICK WALL



100 THICK WALL

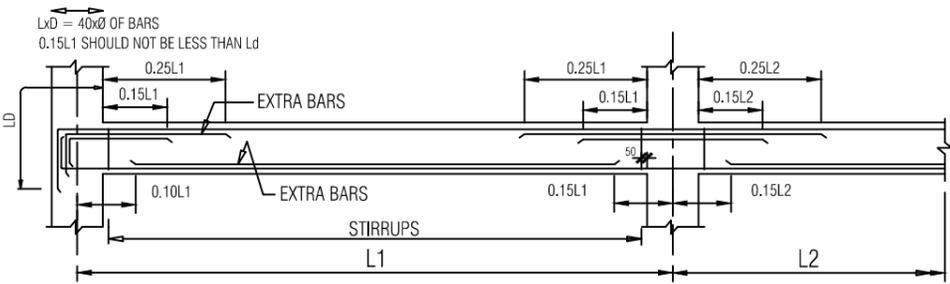


REBAR DETAILS IN SLAB PANELS USING STRAIGHT BARS  
(BARS ALONG SHORTER SPAN SHALL BE PLACED FIRST)

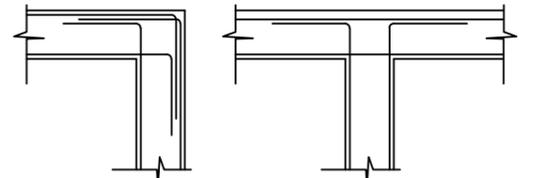


REBAR DETAILS IN SLAB PANELS USING BENT UP BARS  
(BARS ALONG SHORTER SPAN SHALL BE PLACED FIRST)

SCHEDULE FOR LINTELS						
SPAN L(mm)	B(mm)	D(mm)	REINFORCEMENT		LINKS	BEARING (BW)
			TOP	BOT.		
UP TO 1000	100	150	1-Ø10	1-Ø10	Ø8/150c/c	300
UP TO 1000	200	150	2-Ø10	2-Ø10	Ø8/120c/c	300
UP TO 2000	200	200	2-Ø10	3-Ø10	Ø8/180c/c	300
UP TO 2500	200	250	2-Ø10	3-Ø12	Ø8/180c/c	450
UP TO 3000	200	300	2-Ø12	4-Ø12	Ø10/180c/c	450



TYPICAL BEAM ELEVATION DETAILS



PLAN SHOWING STEEL TERMINATION  
DETAILS AT THE JUNCTIONS FOR  
FOUNDATION BEAMS AND LINTELS

REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD
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CLIENT	WEST FACING RESIDENCE @ BANGLORE			
CONSULTANTS:	MC.TERRA			
STRUCTURAL CONSULTANT	DEPT.	NAME	SIGN	DATE
Abhilash Joy	DRN	Jeena		08-09-2016
32/702, St. Vincent Convent Road	DESN	Neethu		
Palarivattom, Cochin-25	CHD	Ranjini		
Phone: 0484-2339779	APPD	Abhilash Joy		
Email: abhilashjoy@vsnl.net				

TITLE:	GENERAL NOTES		
PROJECT NO: 1725	DEPT.	DRAWING NO.:	1
SIGN			
DATE			
		SHEET 1 OF 6	REV. 0

