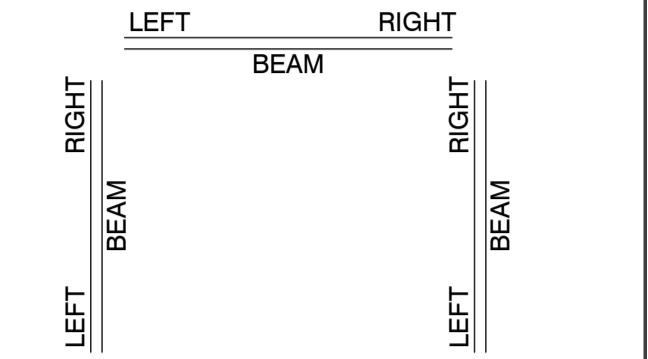


DRAWING NOS. - ASC - 04

PROJECT STAGE :

- SUB.  - TENDER  - ADVANCE  - EXECUTION



SIGN CONVENTIONS  
FOR BEAM LEFT & RIGHT SIDES  
FOR STIRRUPS & EXTRA TOP BARS

SPECIAL NOTES :-  
ALL EXTERNAL WALLS SHALL BE 150 thk. LIGHT WEIGHT BLOCKS.  
ALL INTERNAL WALLS SHALL BE 150 thk. LIGHT WEIGHT BLOCKS.

- NOTES :  
 1. Basic reference code: IS 456: 2000, IS 1893, IS 13920  
 2. Design shall be taken to ascertain that requisite strength of concrete is gained before commencement of deshuttering. It shall comply with provisions of Clause No. 11.3 of IS 456: 2000.  
 3. Earthquake zone considered is zone III for MUMBAI region.  
 4. Clear cover:  
     a) Footings / Raft (Bottom / Top) 75/50  
     b) Columns & walls >200mm width 25  
     c) Columns & walls having width of 200mm & below 20  
     d) Slabs 20  
     e) Beams 25  
     f) Girder Beams 40  
     g) Pile cap 75  
 5. Beams having depth more than 750mm, provide side-face reinforcement.  
 6. Subcontractor shall be approved from our office before laying PC C.  
 7. Minimum clear spacing between any two longitudinal bars in beam = 50mm.  
 8. All laps (Ld) shall be staggered & not more than 50% bars to be lapped at any given section. Ld = 50 D (where D = dia. of Bar)  
 9. All buildings shall have tie beams/plinth beams at ground/plinth level.  
 10. At any level where column size gets reduced in either dimension tie beams/plinth beams are essential.  
 11. For cantilevers, top bars to be anchored behind from external face of support for 1.5 X span of cantilever.  
 12. Fire rating considered: 2 Hour Max.

Use of this drawing for construction shall explicitly confirm acceptance of following conditions by Owner / Builder / Contractor:

- Our responsibility shall remain limited to safe and sound structural design as transmitted by this drawing and we shall not remain responsible for
  - Safety of old structure during demolition
  - Safety of any adjoining building / persons staying in adjoining road
  - Safety of construction worker / any personnel at work site during construction
  - Correctness/safety of any temporary structure, scaffolding, shoring, centering erected at site and any injury to any personnel arising out of any accidents.
  - Accidents occurring due to premature deshuttering, faulty / substandard construction material or workmanship / faulty construction
  - An accident occurring due to construction of elements of buildings not designed by us.
- Supervision if specifically asked for will be provided to the extent of verification of reinforcement on site
- All structural concrete should be weigh batched, machine mixed & mechanically vibrated.
- Architect's drawing shall be brought to our notice before construction.
- Drawing shall not be scaled written dimensions are to be followed.
- This drawing to be read along with other relevant drawings.

R9	REVISED AS MARKED	15.12.23	NK	SIDDHI
R8	REVISED AS MARKED	30.11.23	NK	SIDDHI
R7	REVISED AS PER COMMENTS & AS MARKED	16.11.23	NK	SIDDHI
R6	REVISED AS PER COMMENTS & AS MARKED	03.11.23	NK	SIDDHI
R5	REVISED AS PER COMMENTS & AS MARKED	17.10.23	NK	SIDDHI
R4	REVISED AS PER COMMENTS & AS MARKED	12.10.23	NK	SIDDHI
R3	REVISED AS PER COMMENTS & AS MARKED	10.10.23	NK	SIDDHI
R2	REVISED AS PER COMMENTS	27.09.23	NK	SIDDHI
R1	REVISED AS PER COMMENTS	21.09.23	NK	SIDDHI
REV.	DESCRIPTION	DATE	DWN.	CHKD.

GRADE OF CONCRETE :- - M25

GRADE OF STEEL :- - Fe500

ENVIRONMENTAL EXPOSURE CONDITION :- - MODERATE

DESIGN LIVE LOAD :- (UNLESS SPECIFIED) -

S.B.C. :-

PROJECT : PROPOSED RESORT @ PALI, RAIGARH  
(GUEST BLOCK - 1A & 1B)

CLIENT : MELLORA INFRASTRUCTURE

ARCHITECT : STUDIO HUMANE

DRAWING TITLE : RCC DETAIL OF 1ST FLOOR LEVEL

SCALE DWN.BY CHK.BY DATE JOB NO.

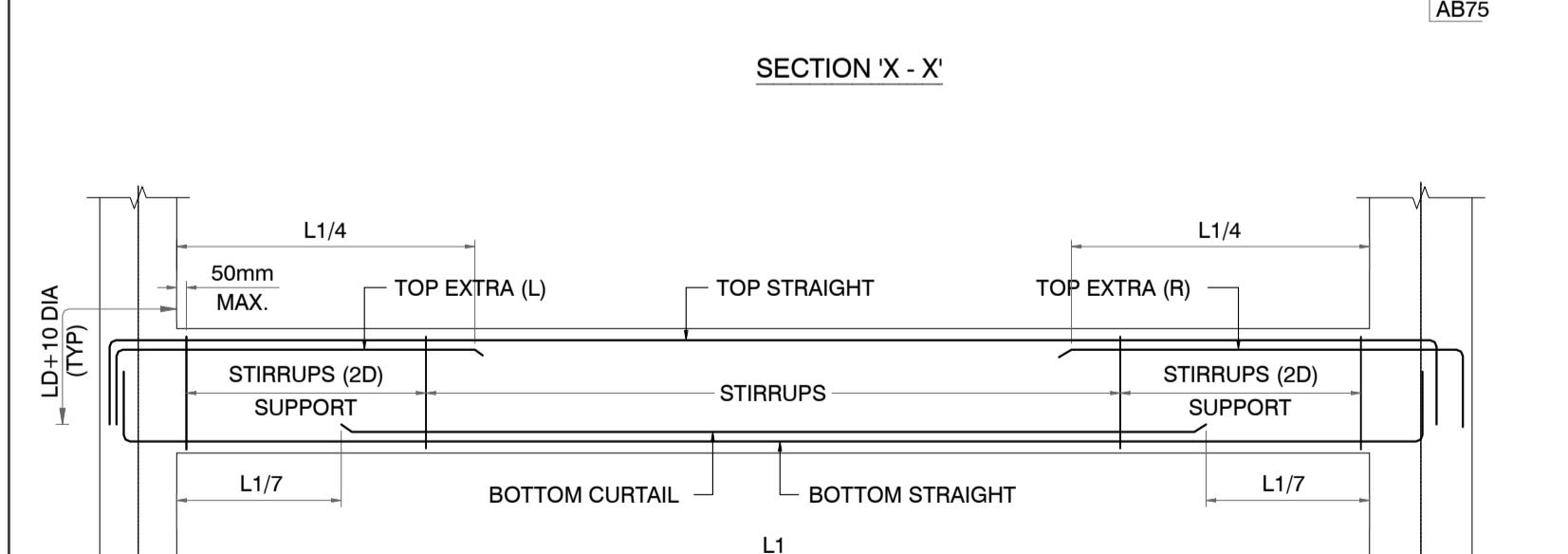
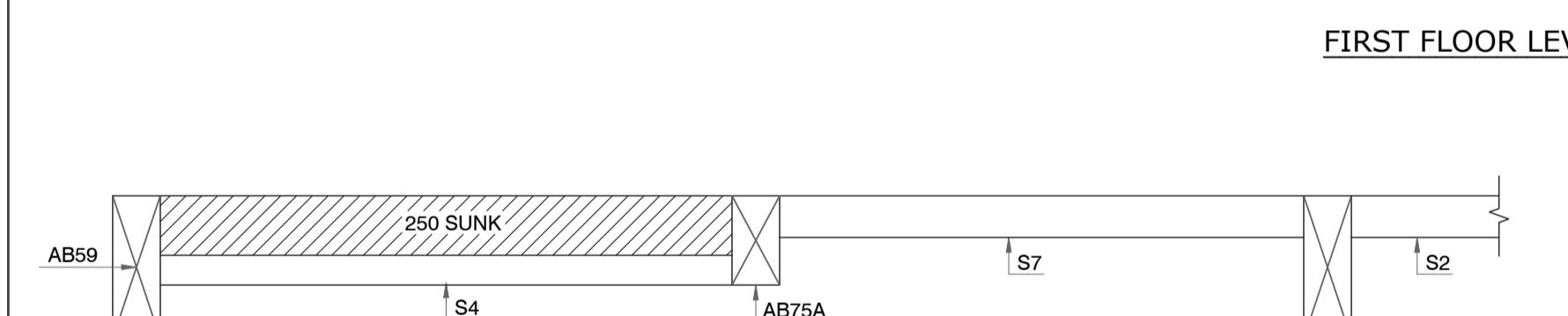
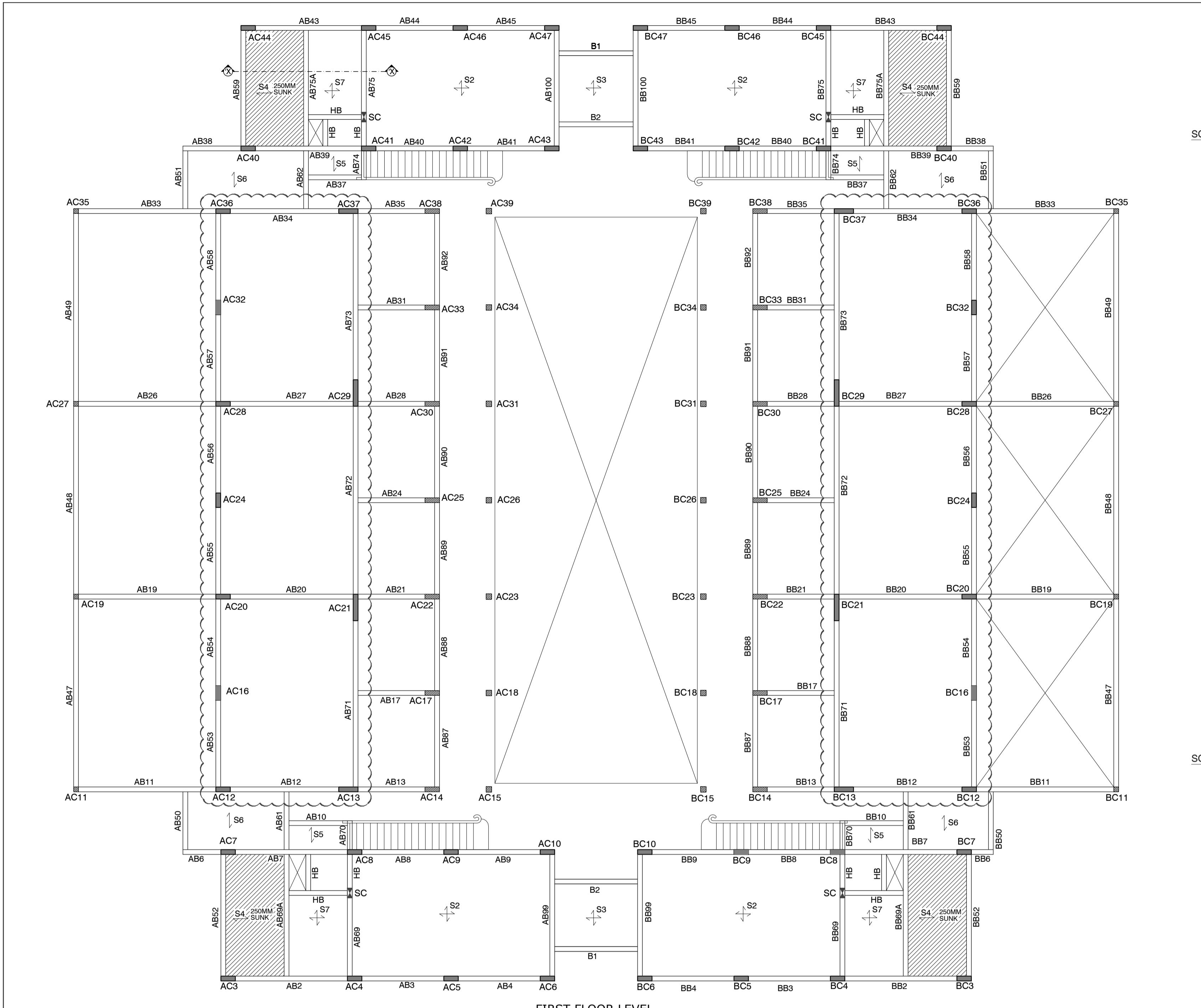
N.T.S. Nandkumar SIDDHI 18.09.2023 ASC-2544

607, Opal Square, Opp. Rajadevi Lake, Barve Rd. Wagale Estate,

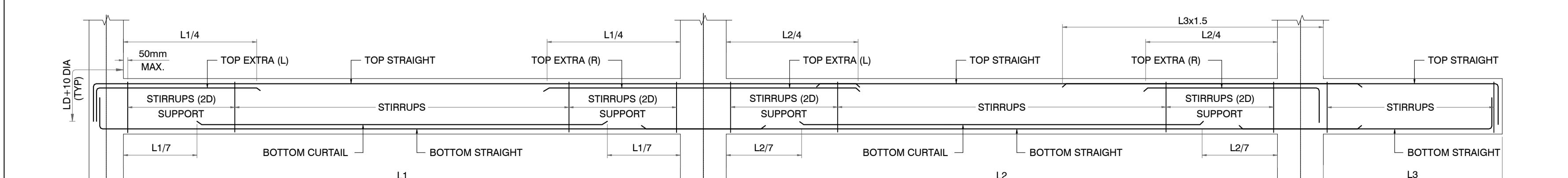
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TYPICAL DETAILS OF SPECIAL CONFINING REINFORCEMENT  
FOR BEAM RESTING ON COLUMN AT BOTH ENDS



TYPICAL DETAILS OF SPECIAL CONFINING REINFORCEMENT REQUIREMENT FOR BEAM REINFORCEMENT

SCHEDULE OF Z' BEAMS AT 1ST FLOOR LEVEL

BEAM MARKED	SIZE (B x D/d)	REINFORCEMENT					STIRRUPS	REMARKS
		BOTTOM (STRAIGHT)	BOTTOM (CURTAIN)	TOP (STRAIGHT)	EX. TOP (STRAIGHT)	TOP (EXTRA OVER SUPPORT) LEFT		
AB11,33	200 x 600 ~1200	2 - T16	---	2 - T16	2 - T16	---	UPTO L/4	REST
BB11,33	200 x 600 ~1200	2 - T16	---	2 - T16	2 - T16	---	T8@100 C/C	T8@100 C/C

SCHEDULE OF BEAMS AT 1ST FLOOR LEVEL :- BEAM AB3,4,5,14,15,16,18,22,23,25,29,30,32,36,42,60,62A,63,64,65,66,67,68,84,85,86,93,94,95,96,HB & HB1 ARE DELETED

BEAM MARKED	SIZE (B x D)	REINFORCEMENT					STIRRUPS	REMARKS
		BOTTOM (STRAIGHT)	BOTTOM (CURTAIN)	TOP (STRAIGHT)	EX. TOP (STRAIGHT)	TOP (EXTRA OVER SUPPORT) LEFT		
B1,2	200 x 600 +2 - T12	2 - T16	---	2 - T12	---	---	T8@200 C/C	T8@200 C/C
AB2,43	200 x 600 3 - T16	2 - T12	2 - T12	3 - T16	3 - T16	---	T8@100 C/C	T8@200 C/C
AB3,4,8,9,40,41,44,45	200 x 600 2 - T16 +2 - T12	2 - T16	2 - T12	2 - T16	2 - T16	2 - T16	T8@200 C/C	---
AB6	200 x 600 2 - T12	---	2 - T16	---	---	---	T10@100 C/C	T10@100 C/C
AB7	200 x 600 2 - T16	2 - T16	2 - T16	2 - T16	3 - T16	3 - T16	T8@100 C/C	T8@150 C/C
AB10,37,50,51,61,62	200 x 600 2 - T16	---	2 - T12	---	---	---	T8@150 C/C	T8@200 C/C
AB12,34	200 x 600 2 - T16 +2 - T12	2 - T16	2 - T12	2 - T16	2 - T16	2 - T16	T8@100 C/C	T8@150 C/C
AB13,35	200 x 600 2 - T16 +2 - T12	2 - T16	2 - T12	2 - T16	2 - T16	2 - T16	T8@100 C/C	T8@100 C/C
AB20,27	200 x 600 3 - T16 +2 - T12	2 - T16	2 - T12	2 - T16	2 - T16	2 - T16	T8@200 C/C	---
AB17,24,31	200 x 600 2 - T16	---	2 - T16	---	2 - T16	2 - T16	T8@100 C/C	T8@100 C/C
AB19,26	200 x 600 3 - T16 +2 - T12	3 - T16	2 - T16	2 - T16	3 - T16	3 - T16	T10@100 C/C	T10@150 C/C
AB21,28	200 x 600 3 - T16	---	2 - T16	---	2 - T16	2 - T16	T8@200 C/C	T8@200 C/C
AB38	200 x 600 2 - T16	---	2 - T16	---	2 - T16	2 - T16	T10@100 C/C	T10@100 C/C
AB39	200 x 600 3 - T16	2 - T12	2 - T16	2 - T16	2 - T16	2 - T16	T8@100 C/C	T8@100 C/C
AB47,48,49	200 x 600 3 - T16 +2 - T12	2 - T16	2 - T12	3 - T16	3 - T16	3 - T16	T10@100 C/C	T10@150 C/C
AB52,59,99,100	200 x 600 3 - T16	2 - T12	2 - T16	2 - T16	2 - T16	2 - T16	T10@150 C/C	T10@200 C/C
AB69,75	200 x 400 3 - T16	2 - T12	2 - T16	2 - T16	2 - T16	2 - T16	T10@100 C/C	T10@150 C/C
BB53,54,55,56,57,58, 87,88,89,90,91,92	200 x 600 2 - T16 +2 - T12	2 - T16	2 - T12	2 - T16	2 - T16	2 - T16	T8@100 C/C	T8@200 C/C
BB62A,84,85,86	200 x 350 2 - T12	---	2 - T12	---	2 - T12	2 - T12	T8@150 C/C	T8@150 C/C
BB67	200 x 600 2 - T12	---	2 - T12	---	2 - T12	2 - T12	T8@150 C/C	T8@150 C/C
BB69A,75A	200 x 375 2 - T16	---	2 - T12	---	2 - T16	2 - T16	T8@100 C/C	T8@100 C/C
BB70	200 x 600 2 - T16	---	2 - T12	---	2 - T16	2 - T16	T8@100 C/C	T8@100 C/C
BB71,72,73	200 x 600 3 - T16 +2 - T12	3 - T16	2 - T12	3 - T16	3 - T16	3 - T16	T10@100 C/C	T10@125/C
BB74	200 x 600 2 - T16	---	2 - T16	---	2 - T16	2 - T16	T8@100 C/C	T8@100 C/C
BB78,79,81	200 x 600 2 - T12	---	2 - T10	---	2 - T10	2 - T10	T8@150 C/C	T8@150 C/C
HB	200 x SLAB THK. 2 - T12	---	2 - T12	---	2 - T12	2 - T12	T8@150 C/C	T8@150 C/C

SCHEDULE OF BEAMS AT 1ST FLOOR LEVEL :- BEAM BB3,4,5,14,15,16,18,22,23,25,29,30,32,36,42,60,62A,63,64,65,66,67,68,84,85,86,93,94,95,96,HB & HB1 ARE DELETED

BEAM MARKED	SIZE (B x D)	REINFORCEMENT					STIRRUPS	REMARKS
BOTTOM (STRAIGHT)	BOTTOM (CURTAIN)	TOP (STRAIGHT)	EX. TOP (STRAIGHT)	TOP (EXTRA OVER SUPPORT) LEFT	TOP (EXTRA OVER SUPPORT) RIGHT			




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