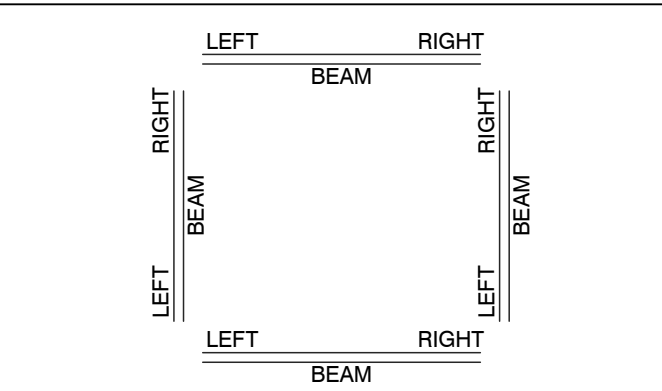


DRAWING NOS. - ASC - 04

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 :-**
- Basic reference code:- IS 456: 2000, IS 1893, IS 13920
 - Due care 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.
 - Earthquake zone considered is zone III for MUMBAI region.
 - Clear covers
a) Footings / Raft (Bottom / Top) 75/50
b) Columns & walls > 200mm width 40
c) Columns & walls having width of 200mm & below 25
d) Slabs 20
e) Beams 25
f) Girder Beams 40
g) Pile cap 75
 - Beams having depth more than 750mm, provide side-face reinforcement.
 - Substratum shall be approved from our office before laying P.C.C.
 - Minimum clear spacing between any two longitudinal bars in beam = 50mm.
 - All laps (Ld) shall be staggered & not more than 50% bars to be lapped at any given section. Ld = 50 X D (where D= dia. of Bar)
 - All buildings shall have tie beams/plinth beams at ground/plinth level.
 - At any level where column size gets reduced in either dimension tie beams/plinth beams are essential.
 - For cantilevers, top bars to be anchored behind from external face of support for -1.5 X span of cantilever.
 - 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
a) Safety of old structure during demolition.
b) Safety of any adjoining building /persons staying in adjoining building/persons and properties on adjoining roads.
c) Safety of construction worker/any personnel at work site during construction
 - Correctness/safety of any temporary structure, scaffolding, shuttering, 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 procedure.
 - Any 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.
 - Any discrepancy between our drawing & Architects' 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.

REV.	DESCRIPTION	DATE	DWN.	NK	SIDDHI	CHKD.
R1	MIDLEVEL PLAN ADDED & AS MARKED	15.12.23				

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 ROOF & MIDLEVEL FLOOR

SCALE	DWN.BY	CHK.BY	DATE	JOB NO.
N.T.S.	NandkumaR	SIDDHI	29.11.2023	ASC-2544

SCHEDULE OF BEAMS AT ROOF FLOOR LEVEL :- BLOCK 1A

BEAM MARKED	SIZE (B x D)	REINFORCEMENT					STIRRUPS		REMARKS
		BOTTOM (STRAIGHT)	BOTTOM (CURTAIL)	TOP (STRAIGHT)	TOP (EXTRA OVER SUPPORT)		UPTO L/4	REST	
AB2,39,43	200 x 600	2 - T12	2 - T12	3 - T12	---	---	T8@150 C/C	T8@200 C/C	ROOF LVL. BEAM
AB3,4,8,9,40,41,44,45	200 x 600	2 - T16	---	2 - T16	---	---	T8@200 C/C	T8@200 C/C	ROOF LVL. BEAM
AB7	200 x 600	2 - T12	3 - T12	2 - T16	---	---	T8@200 C/C	T8@200 C/C	ROOF LVL. BEAM
AB52,59,99,100	200 x 600	3 - T16	---	3 - T12	---	---	T8@200 C/C	T8@200 C/C	ROOF LVL. BEAM

SCHEDULE OF BEAMS AT MIDLEVEL :- BLOCK 1A

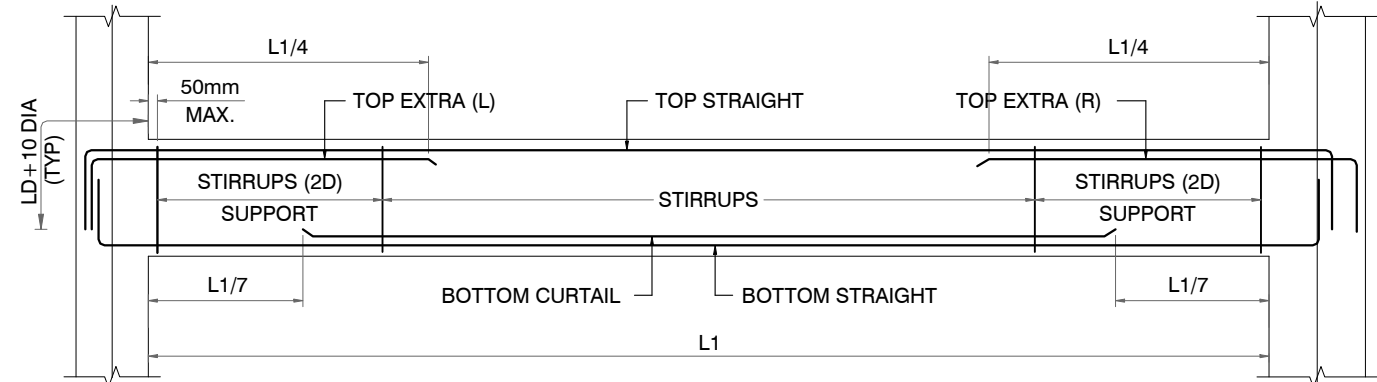
BEAM MARKED	SIZE (B x D)	REINFORCEMENT					STIRRUPS		REMARKS
		BOTTOM (STRAIGHT)	BOTTOM (CURTAIL)	TOP (STRAIGHT)	TOP (EXTRA OVER SUPPORT)		UPTO L/4	REST	
AB12,34	200 x 600	2 - T16	---	2 - T12	---	---	T8@150C/C	T8@200C/C	MIDLEVEL BEAM
AB20,27	200 x 600	2 - T16	2 - T12	2 - T12	---	---	T8@150 C/C	T8@200 C/C	MIDLEVEL BEAM
AB53,54,55,56,57,58,	200 x 600	2 - T16	---	2 - T16	---	---	T8@150C/C	T8@200C/C	MIDLEVEL BEAM
AB71,72,73	200 x 600	2 - T16	---	3 - T16	---	---	T8@150C/C	T8@200C/C	MIDLEVEL BEAM

SCHEDULE OF BEAMS AT ROOF FLOOR LEVEL :- BLOCK 1B

BEAM MARKED	SIZE (B x D)	REINFORCEMENT					STIRRUPS		REMARKS
		BOTTOM (STRAIGHT)	BOTTOM (CURTAIL)	TOP (STRAIGHT)	TOP (EXTRA OVER SUPPORT)		UPTO L/4	REST	
BB2,39,43	200 x 600	2 - T12	2 - T12	3 - T12	---	---	T8@150 C/C	T8@200 C/C	ROOF LVL. BEAM
BB3,4,8,9,40,41,44,45	200 x 600	2 - T16	---	2 - T16	---	---	T8@200 C/C	T8@200 C/C	ROOF LVL. BEAM
BB7	200 x 600	2 - T12	3 - T12	2 - T16	---	---	T8@200 C/C	T8@200 C/C	ROOF LVL. BEAM
BB52,59,99,100	200 x 600	3 - T16	---	3 - T12	---	---	T8@200 C/C	T8@200 C/C	ROOF LVL. BEAM

SCHEDULE OF BEAMS AT MIDLEVEL :- BLOCK 1B

BEAM MARKED	SIZE (B x D)	REINFORCEMENT					STIRRUPS		REMARKS
		BOTTOM (STRAIGHT)	BOTTOM (CURTAIL)	TOP (STRAIGHT)	TOP (EXTRA OVER SUPPORT)		UPTO L/4	REST	
BB12,34	200 x 600	2 - T16	---	2 - T12	---	---	T8@150C/C	T8@200C/C	MIDLEVEL BEAM
BB20,27	200 x 600	2 - T16	2 - T12	2 - T12	---	---	T8@150 C/C	T8@200 C/C	MIDLEVEL BEAM
BB53,54,55,56,57,58,	200 x 600	2 - T16	---	2 - T16	---	---	T8@150C/C	T8@200C/C	MIDLEVEL BEAM
BB71,72,73	200 x 600	2 - T16	---	3 - T16	---	---	T8@150C/C	T8@200C/C	MIDLEVEL BEAM



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

