

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

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

NOTES :-
1. Basic reference code:- IS 456: 2000, IS 1893, IS 13920
2. 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.

3. Earthquake zone considered is zone III for MUMBAI region.

4. 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

5. Beams having depth more than 750mm, provide side-face reinforcement.

6. Substratum shall be approached from our office before laying P.C.C.

7. Minimum clear spacing between any two longitudinal bars in beam = 50mm.

8. All laps (Lt) shall be staggered & not more than 50% bars to be lapped at any given section. Lt = 50 X 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 :- 4 Hour Max.

Use of this drawing for construction shall explicitly confirm acceptance of following conditions by Owner / Builder / Contractor
 1. Our responsibility shall remain limited to safe and sound structural design as per drawings, by the designer and we shall not remain responsible for:
 a) Safety of structures during operation.
 b) Safety of adjoining building (persons staying in adjoining buildings/persons and properties on adjoining roads).
 c) Safety of construction worker/any personnel at work site during construction.
 d) Correctness/safety of any temporary structure, scaffolding, shoring, centering erected at site and any injury to any personnel arising out of any accidents.
 e) Accidents occurring due to premature deshuttering, faulty / substandard construction material or workmanship / faulty construction procedure.
 f) Any accident occurring due to construction of elements of buildings not designed by us.

2. Submission if specifically asked for will be provided to the extent of reinforcement on site.

3. All structural concrete should be weigh batched, machine mixed & mechanically vibrated.

4. Any discrepancy between our drawing & Architects' drawing shall be brought to our notice before construction.

5. Drawing shall not be scaled written dimensions to be followed.

6. This drawing to be read along with other relevant drawings.

R14 HIDDEN BEAM, GRADE SLAB DETAILS ADDED & REVISED AS MARKED 29.03.24 NK SIDDHI

R13 B1 & B2 DETAILS ADDED & REVISED AS MARKED 29.03.24 NK SIDDHI

R12 REVISED AS MARKED 08.03.24 NK SIDDHI

R11 REVISED AS MARKED 07.03.24 NK SIDDHI

R10 REVISED AS MARKED 12.01.24 NK SIDDHI

R9 REVISED AS PER 1ST FLOOR COMMENT & AS MARKED 21.11.23 NK SIDDHI

R8 REVISED AS PER 1ST FLOOR COMMENT & AS MARKED 17.10.23 NK SIDDHI

R7 REVISED AS PER COMMENT & AS MARKED 13.10.23 NK SIDDHI

R6 REVISED AS PER COMMENT & AS MARKED 10.10.23 NK SIDDHI

R5 REVISED AS PER ARCH.COMMENT 22.09.23 NK SIDDHI

R4 REVISED AS PER COMMENTS 15.09.23 NK SIDDHI

R3 NEW COLUMNS ARE DELETED 13.09.23 NK SIDDHI

R2 NEW COLUMNS ADDED 12.09.23 NK ROHIT

R1 REVISED AS PER CENTERLINE PLAN 06.09.23 NK ROHIT

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. :- - 35 T/m²

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

CLIENT : MELLORA INFRASTRUCTURE

ARCHITECT : STUDIO HUMANE

DRAWING TITLE : RCC DETAIL OF PLINTH LEVEL

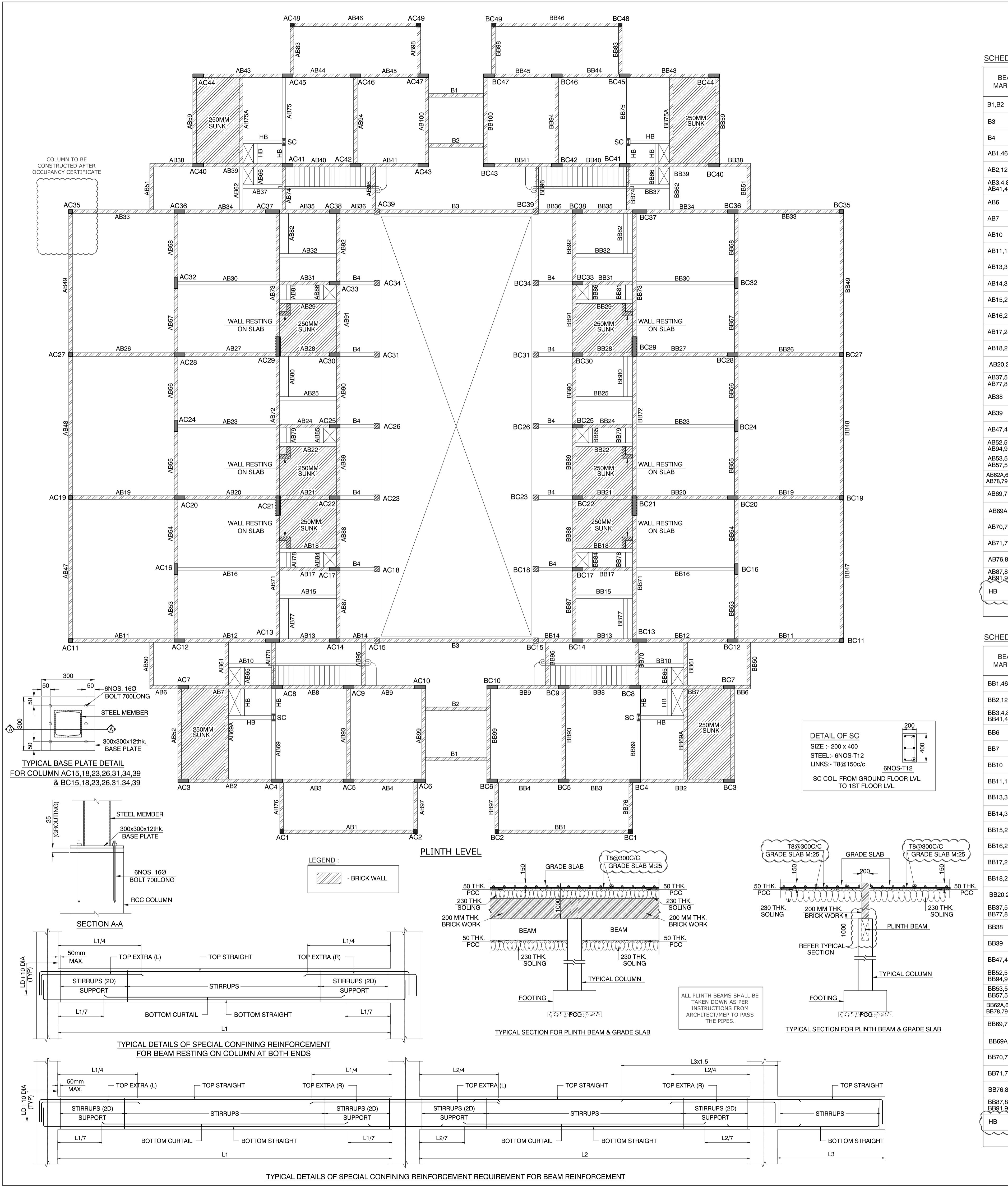
SCALE DWLBY CHKBY DATE JOB NO.

N.T.S. Nandkumar SIDDHI 02.09.2023 ASC-2544

607, Opal Square, Opp. Ralladevi Lake, Barve Rd. Wagale Estate, Thane (w) - 400 604.

Phone: +91-22-20812084/85, 8976072223

Email: info@asc.org.in Website: www.asc.org.in



BEAM MARKED	SIZE (B x D)	REINFORCEMENT				STIRRUPS	REMARKS
		BOTTOM (STRAIGHT)	BOTTOM (CURTAIL)	TOP (STRAIGHT)	(EXTRA OVER SUPPORT) LEFT		
B1,B2	200 x 600	2 - T16	---	2 - T12	---	UPTO L/4	REST
B3	200 x 600	3 - T16	2 - T16	2 - T16	2 - T16	T10@200 C/C	T10@150 C/C
B4	200 x 450	2 - T16	---	2 - T16	---	T8@100 C/C	T8@100 C/C
AB1,46	200 x 600	3 - T16	2 - T16	2 - T16	---	T8@100 C/C	T8@200 C/C
AB2,12,34,43	200 x 600	2 - T16	2 - T12	2 - T12	3 - T16	T8@100 C/C	T8@200 C/C
AB3,4,9,21,28,40, AB4,14,45	200 x 600	2 - T16	+1 - T12	---	2 - T12	2 - T16	T8@200 C/C
AB6	200 x 600	2 - T12	---	2 - T16	1 - T12	T10@100 C/C	T10@100 C/C CANTILEVER
AB7	200 x 600	2 - T16	2 - T16	2 - T16	2 - T16	T8@150 C/C	T8@200 C/C
AB10	200 x 450	3 - T12	---	2 - T10	---	T8@200 C/C	T8@200 C/C
AB11,19,26,33	200 x 600	3 - T16	2 - T16	2 - T12	2 - T16	T8@100 C/C	T8@200 C/C
AB13,35	200 x 600	2 - T16	---	2 - T16	---	T8@100 C/C	T8@100 C/C
AB14,36	200 x 450	2 - T16	---	2 - T16	---	T8@100 C/C	T8@100 C/C
AB15,25,32	200 x 450	2 - T16	---	2 - T12	---	T8@125 C/C	T8@150 C/C
AB16,23,30	200 x 600	3 - T16	2 - T12	2 - T16	---	T8@100 C/C	T8@200 C/C
AB17,24,31	200 x 600	2 - T16	---	2 - T16	2 - T16	T8@100 C/C	T8@100 C/C
AB18,22,29	200 x 450	2 - T16	---	2 - T12	---	T8@150 C/C	T8@200 C/C
AB20,27	200 x 600	3 - T16	2 - T12	2 - T16	---	T8@200 C/C	T8@200 C/C
AB37,50,51,61,62, AB77,80,82,95,96	200 x 600	2 - T16	---	2 - T12	---	T8@200 C/C	T8@200 C/C
AB38	200 x 600	2 - T16	---	2 - T12	---	T8@100 C/C	T8@100 C/C
AB39	200 x 600	2 - T16	---	2 - T12	---	T8@100 C/C	T8@100 C/C
AB47,48,49	200 x 600	3 - T16	+2 - T16	2 - T16	3 - T16	T10@100 C/C	T10@150 C/C
AB52,59,93, AB94,99,100	200 x 450	3 - T16	2 - T12	2 - T12	2 - T16	T8@100 C/C	T8@125 C/C
AB53,54,55,56, AB57,58	200 x 600	2 - T16	+1 - T12	---	2 - T12	2 - T16	T8@100 C/C
AB62,65,66, AB78,79,81,84,85,86	200 x 450	2 - T12	---	2 - T12	---	T8@150 C/C	T8@150 C/C
AB69,75	200 x 450	3 - T16	2 - T12	2 - T16	2 - T16	T8@100 C/C	T8@125 C/C
AB69A,75A	200 x 375	2 - T16	+2 - T16	2 - T16	---	T8@100 C/C	T8@100 C/C
AB70,74	200 x 600	2 - T16	+1 - T12	---	2 - T16	2 - T12	T8@100 C/C
AB71,72,73	200 x 600	3 - T16	+2 - T16	2 - T16	3 - T16	T10@100 C/C	T10@125 C/C
AB76,83,97,98	200 x 600	2 - T16	---	2 - T12	---	T8@200 C/C	T8@200 C/C
AB87,88,89,90, AB89,92	200 x 600	2 - T16	+1 - T12	---	2 - T16	---	T8@200 C/C
HB	200 x SLAB THK.	2 - T12	---	2 - T12	---	T8@150/C	T8@150/C HIDDEN BEAM

BEAM MARKED	SIZE (B x D)	REINFORCEMENT				STIRRUPS	REMARKS
		BOTTOM (STRAIGHT)	BOTTOM (CURTAIL)	TOP (STRAIGHT)	(EXTRA OVER SUPPORT) LEFT		
BB1,46	200 x 600	3 - T16	2 - T16	2 - T16	---	---	---
BB							