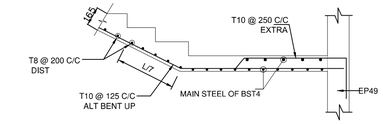
BEAM SCHEDULE (M40:Fe500) DELETED BEAM NO:-B150,B151,B152,B155,B156,B158,B162

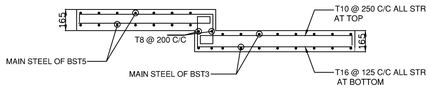
BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
B139	200	700	+ 2-T25 2-T25	+ 2-T25 2-T25	2-T25	2-T25	2-T25	+ 2-T25 2-T20	2L-T8@100 C/C	2L-T8@100 C/C	2L-T8@100 C/C	-
B140	200	500	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T8@100 C/C	2L-T8@100 C/C	2L-T8@100 C/C	PROVIDE 2X250X 10MM STEEL PLATE
B141	200	600	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T8@125 C/C	2L-T8@125 C/C	2L-T8@125 C/C	-
B142	200	600	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T8@200 C/C	2L-T8@200 C/C	2L-T8@200 C/C	-
B144	200	700	+ 2-T16 2-T12	+ 2-T16 2-T12	2-T16	+ 2-T20 2-T16	2-T20	2-T20	2L-T8@100 C/C	2L-T8@200 C/C	2L-T8@100 C/C	-
B145	200	700	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T8@150 C/C	2L-T8@200 C/C	2L-T8@150 C/C	-
B145A	200	700	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T8@150 C/C	2L-T8@200 C/C	2L-T8@150 C/C	-
B146	200	700	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T8@200 C/C	2L-T8@200 C/C	2L-T8@200 C/C	-
B147	200	700	+ 2-T16 2-T12	+ 2-T16 2-T12	2-T16	2-T16	2-T16	+ 2-T16 2-T16	2L-T8@100 C/C	2L-T8@100 C/C	2L-T8@100 C/C	-
B148	200	700	+ 2-T16 2-T12	+ 2-T16 2-T12	2-T16	+ 2-T16 2-T16	+ 2-T16 2-T16	+ 2-T16 2-T16	2L-T10@125 C/C	2L-T10@125 C/C	2L-T10@125 C/C	-
B149	200	500	2-T16	2-T16	2-T16	+ 2-T16 2-T16	+ 2-T16 2-T16	+ 2-T16 2-T16	2L-T8@125 C/C	2L-T8@125 C/C	2L-T8@125 C/C	TOP FLUSH WITH TOP OF SUNK SLAB
B153	200	700	+ 2-T16 2-T12	+ 2-T16 2-T12	+ 2-T16 2-T12	+ 2-T25 2-T32	2-T25	2-T25	2L-T10@100 C/C	2L-T10@100 C/C	2L-T10@100 C/C	-
B154	300	700	3-T20	+ 3-T20 2-T16	3-T20	+ 3-T20 3-T16	3-T20	+ 3-T20 3-T16	2L-T10@100 C/C	2L-T10@200 C/C	2L-T10@100 C/C	-
B159	200	700	+ 2-T32 2-T32	+ 2-T32 2-T32	2-T32	+ 2-T32 2-T32	2-T32	2-T32	2L-T10@100 C/C	2L-T10@100 C/C	2L-T10@100 C/C	PROVIDE 2X325X 10MM STEEL PLATE
B160	200	700	2-T32	2-T32	2-T32	2-T32	2-T32	2-T32	2L-T10@100 C/C	2L-T10@100 C/C	2L-T10@100 C/C	-
B161	200	700	2-T16	2-T16	2-T16	2-T12	2-T12	2-T12	2L-T8@200 C/C	2L-T8@200 C/C	2L-T8@200 C/C	-
B163	200	700	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T8@200 C/C	2L-T8@200 C/C	2L-T8@200 C/C	-
B164	200	700	+ 2-T20 2-T16	+ 2-T20 2-T16	2-T20	+ 2-T20 2-T16	2-T20	+ 2-T20 2-T16	2L-T8@100 C/C	2L-T8@100 C/C	2L-T8@100 C/C	-
B165	200	700	+ 2-T16 2-T12	+ 2-T16 2-T12	2-T16	+ 2-T20 2-T16	2-T20	2-T20	2L-T10@100 C/C	2L-T10@100 C/C	2L-T10@100 C/C	-
B166	200	700	2-T16	2-T16	2-T16	2-T20	2-T20	2-T20	2L-T8@150 C/C	2L-T8@200 C/C	2L-T8@150 C/C	-
B167	200	700	2-T25	+ 2-T25 2-T16	+ 2-T25 2-T16	2-T25	2-T25	+ 2-T25 2-T20	2L-T8@100 C/C	2L-T8@100 C/C	2L-T8@100 C/C	@ MIDLANDING LVL.
B168	200	700	2-T32	+ 2-T32 2-T32	+ 2-T32 2-T32	+ 2-T32 2-T32	+ 2-T32 2-T32	+ 2-T32 2-T32	2L-T10@100 C/C	2L-T10@100 C/C	2L-T10@100 C/C	@ MIDLANDING LVL. PROVIDE 2X550X 12MM STEEL PLATE
B169	200	700	+ 2-T20 2-T12	+ 2-T20 2-T12	2-T20	+ 2-T25 2-T20	2-T25	2-T25	2L-T8@100 C/C	2L-T8@100 C/C	2L-T8@100 C/C	-
B170	200	700	+ 2-T20 2-T16	+ 2-T20 2-T16	2-T20	2-T25	2-T25	2-T25	2L-T8@100 C/C	2L-T8@100 C/C	2L-T8@100 C/C	-
B171	200	700	+ 2-T16 2-T12	+ 2-T16 2-T12	2-T16	2-T16	2-T16	2-T16	2L-T8@200 C/C	2L-T8@200 C/C	2L-T8@200 C/C	-
B172	200	700	2-T16	+ 2-T16 2-T16	+ 2-T16 2-T16	+ 2-T20 2-T16	2-T20	2-T20	2L-T8@100 C/C	2L-T8@100 C/C	2L-T8@100 C/C	-
B173	200	700	2-T16	+ 2-T16 2-T16	+ 2-T16 2-T16	2-T20	2-T20	2-T20	2L-T8@200 C/C	2L-T8@200 C/C	2L-T8@200 C/C	-
EBR	200	700	2-T12	2-T12	2-T12	3-T12	3-T12	3-T12	2L-T8@150 C/C	2L-T8@150 C/C	2L-T8@150 C/C	CANTILEVER
EBR1	300	700	2-T12	2-T12	2-T12	3-T12	3-T12	3-T12	2L-T8@150 C/C	2L-T8@150 C/C	2L-T8@150 C/C	CANTILEVER
FB	200	700	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T8@200 C/C	2L-T8@200 C/C	2L-T8@200 C/C	-
HB	200	SLAB THK.	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T8@200 C/C	2L-T8@200 C/C	2L-T8@200 C/C	HIDDEN BEAM
HB1	200	SLAB THK.	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T8@200 C/C	2L-T8@200 C/C	2L-T8@200 C/C	HIDDEN BEAM
OP	200	700	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T8@200 C/C	2L-T8@200 C/C	2L-T8@200 C/C	-
B132A	200	700	+ 2-T25 2-T25	+ 2-T25 2-T25	+ 2-T25 2-T25	+ 2-T25 2-T25	+ 2-T25 2-T25	+ 2-T25 2-T25	2L-T10@100 C/C	2L-T10@100 C/C	2L-T10@100 C/C	@ MIDLANDING LVL.

SCHEDULE OF RCC SLAB

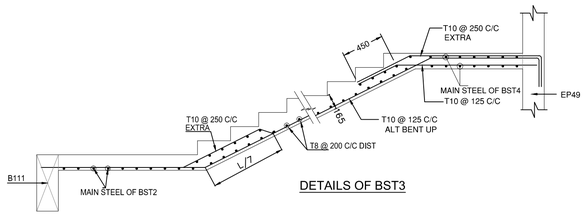
TYPE	THICKNESS	STEEL ALONG SPAN ↕	STEEL ACROSS SPAN ↔	REMARKS
S1	125	T8 @ 200 C/C ALT BENT UP	T8 @ 200 C/C ALT BENT UP	-
S2	125	T8 @ 150 C/C ALT BENT UP	T8 @ 200 C/C DIST	-
S3	150	T8 @ 125 C/C ALT BENT UP	T8 @ 150 C/C ALT BENT UP	PROVIDE 1-T8 EXTRA @ TOP BETWEEN TWO BENT UP BARS @ DISCONTINIOUS END FOR L/4
S4	125	T8 @ 200 C/C ALT BENT UP	T8 @ 200 C/C DIST	MAIN STEEL ALL STR. UP TO 1.5M
S5	125	T8 @ 150 C/C ALL STR.	T8 @ 200 C/C DIST	SUNK BY 200 MM
S5A	125	T8 @ 150 C/C ALL STR.	T8 @ 200 C/C DIST	SUNK BY 200 MM @ MIDLANDING LVL.
S6	125	T8 @ 150 C/C ALT BENT UP	T8 @ 200 C/C DIST	PROVIDE 1-T8 EXTRA @ TOP BETWEEN TWO BENT UP BARS @ DISCONTINIOUS END FOR L/4
S7	125	T8 @ 150 C/C ALT BENT UP	T8 @ 200 C/C DIST	SERVICE SLAB @ BEAM BOTTOM
S8	130	T8 @ 125 C/C ALT BENT UP	T8 @ 200 C/C DIST	-
S9	175	T10 @ 175 C/C ALT BENT UP	T8 @ 200 C/C DIST	-
S10	175	T10 @ 100 C/C ALL STR AT TOP & BOTTOM	MAIN STEEL OF S9 T8 @ 200 C/C DIST.AT TOP & BOTTOM	-
S11	175	T8 @ 200 C/C ALL STR. AT TOP & BOTTOM	T8 @ 200 C/C DIST	-
S12	150	T8 @ 200 C/C ALL STR UPTO 1.5 M	T8 @ 200 C/C DIST	-
S13	150	T10 @ 100 C/C ALT BENT UP	T10 @ 125 C/C ALT BENT UP	PROVIDE 1-T10 EXTRA @ TOP BETWEEN TWO BENT UP BARS @ DISCONTINIOUS END FOR L/4
S14	125	T10 @ 200 C/C ALT BENT UP	T8 @ 200 C/C DIST	-
S15	125	T8 @ 175 C/C ALT BENT UP	T8 @ 200 C/C DIST	
CH	125	T10 @ 150 C/C AT TOP EVERY ALT BAR BENT BACK AT BTM	T8 @ 200 C/C DIST @ TOP & BOTTOM	CANTILEVER SLAB @ FLOOR LVL.
CH1	125	T8 @ 125 C/C AT TOP EVERY ALT BAR BENT BACK AT BTM	T8 @ 200 C/C DIST @ TOP & BOTTOM	CANTILEVER SERVICE SLAB @ BEAM BOTTOM
CH2	125	T10 @ 150 C/C AT TOP EVERY ALT BAR BENT BACK AT BTM	T8 @ 200 C/C DIST @ TOP & BOTTOM	CANTILEVER SLAB SUNK BY 175MM
AST1,AST2, AST4	180	T12 @ 100 C/C ALT BENT UP	T8 @ 200 C/C DIST.	SCISSOR JOINT AT RESP. UPPER LANDING
AST3	180	T16 @ 125 C/C ALL STR. @ BOTTOM T10 @ 250 C/C ALL STR. @ TOP	MAIN STEEL OF AST1,AST2,AST4 & T8 @ 200 C/C DIST.	SLAB @ FLOOR LVL.
BST1,BST3, BST5	165	T10 @ 125 C/C ALT BENT UP	T8 @ 200 C/C DIST.	SCISSOR JOINT AT RESP. UPPER LANDING
BST2	165	T16 @ 125 C/C ALL STR. @ BOTTOM T10 @ 250 C/C ALL STR. @ TOP	MAIN STEEL OF BST1,BST3,BST5 & T8 @ 200 C/C DIST.	SLAB @ MIDLANDING
BST4	165	T16 @ 125 C/C ALL STR. @ BOTTOM T10 @ 250 C/C ALL STR. @ TOP	MAIN STEEL OF BST1,BST3,BST5 & T8 @ 200 C/C DIST.	SLAB @ FLOOR LVL.



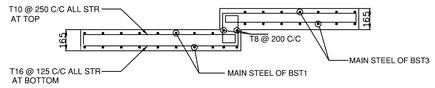
DETAILS OF BST5



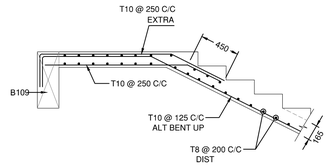
DETAILS OF BST4



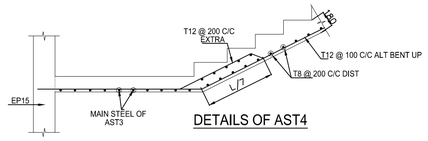
DETAILS OF BST3



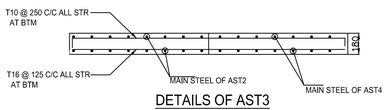
DETAILS OF BST2



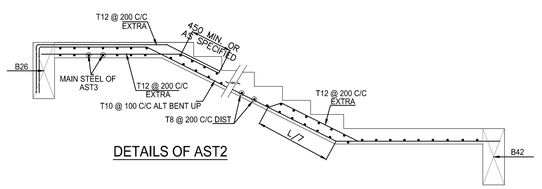
DETAILS OF BST1



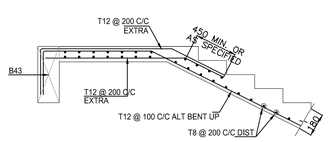
DETAILS OF AST4



DETAILS OF AST3



DETAILS OF AST2



DETAILS OF AST1

SIGNATURE OF ARCHITECT ON RECORD:-	SIGNATURE & STAMP OF JW CONSULTANTS LLP:-
	ACHYUT WATVE, B.E. F.I.E. Structural Engineer M.C.G.B. Reg.No.STR/W/10 **For & On behalf of JW Consultants LLP**
	DRAWING IS VALID FOR DESIGN ADEQUACY, PROVIDED IT IS SIGNED & STAMPED BY OUR OFFICE

NOTES:

1. Basic reference codes:
   IS456: 2000, IS1893(Part1): 2016, IS13920: 2016.
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. Nominal covers

		Mild	Moderate	Severe
I	Footings	50	50	50
II	Columns & walls >200mm width (to links of column)	40	40	45
III	Columns & walls with width of 200mm & below having reinf. of dia. 16mm & above. (to links of column)	40	40	45
IV	Columns & walls with width of 200mm & below having reinf. of dia. 12mm. (to links of column)	25	30	45
V	Slabs	20	30	45
VI	Beams (to stirrups of beam)	20	30	45
VII	Lift walls	40	40	45

   For main reinf. up to 12mm dia. bar for mild exposure the nominal cover may be reduced by 5mm for slabs & beams only.
4. Beams with depth more than 750mm, provide side-face reinforcement.
5. Substratum shall be approved from our office before laying P.C.C.
6. Minimum clear spacing between any two longitudinal bars in beam= 50mm.
7. All laps (Ld) shall be staggered & not more than 50% bars to be lapped at any given section.

GRADE OF REINF.	M20	M25	M30	M35	M40 & ABOVE
Fe415	48 X D	41 X D	38 X D	34 X D	30 X D
Fe500 (TMT)	57 X D	49 X D	46 X D	40 X D	36 X D

   For bundled bars, Ld shall be increased by 10% for 2 bars in contact, 20% for 3 bars in contact and 33% for 4 bars in contact.
8. All buildings shall have tie beams/plinth beams at ground/plinth level.
9. If footings overlap with each other, necessary revision shall be obtained from our office.
10. Design is valid for number of floors as indicated in the drawing.
11. At any level where column size gets reduced in either dimension tie beams/plinth beams are essential.
12. For cantilevers, top bars to be anchored behind from external face of support for - Ld or span of cantilever - whichever is greater.
13. Fire rating considered:- 2 Hour.

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 transmitted by this drawing.
2. This drawing shall not be used for any construction unless necessary statutory approvals are obtained by the Owner / Builder / Architect from the Regulating Authorities. JW CONSULTANTS LLP are indemnified of any legal consequences in case of unauthorised construction.
3. 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
   d) Correctness/safety of any temporary structure, scaffolding, shuttering, 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.
4. Supervision if specifically asked for will be provided to the extent of verification of reinforcement on site but responsibility regarding correct & sound construction shall solely rest with contractor/ builder / owner.
5. All structural concrete should be weigh batched, machine mixed and mechanically vibrated.
6. Any discrepancy between our drawing & Architects' drawing shall be brought to our notice before construction.
7. This drawing is property of JW CONSULTANTS LLP and shall not be reproduced or used without explicit permission of this office.

DRAWING TO BE VALIDATED BY ARCHITECT ON RECORD AFTER CHECKING COMPLIANCE WITH APPROVED PLANS FROM THE REGULATING LOCAL GOVERNMENT AUTHORITY.

NO.	REV. DATE	DESCRIPTION	NO.	REV. DATE	DESCRIPTION
R0	·	·	R5	·	·
R1	·	·	R6	·	·
R2	·	·	R7	·	·
R3	·	·	R8	·	·
R4	·	·	R9	·	·

ENVIRONMENTAL EXPOSURE CONDITION :-	MODERATE	GRADE OF CONCRETE :-	M40
DESIGN LIVE LOAD :- (UNLESS SPECIFIED)	2 kN/m²	GRADE OF STEEL :-	Fe 500 TMT
SUPERIMPOSED DEAD LOAD :-	1 kN/m²	S.B.C. :-	300 T/m²

CHECKED BY	DEALT BY	DRAWN BY	DRG. NO.	BLDG:	JOB NO.
N.R.P.	SHREYAS	PARAS	101060-373	EUCALYPTIA	10:1060

DEVELOPER:- ASCENT CONSTRUCTION PVT.LTD.
DIRECTOR SHRI. PRAVIN H. DOSHI & SHRI. MUNISH P. DOSHI

DESIGN ARCHITECT:- MANDVIWALA QUTUB & ASSOCIATES

ARCHITECT ON RECORD:- scapes architects

PROJECT:- PROPOSED BUILDINGS ON LAND BEARING GUT.NO. 61/1/1,2,3,4, 61/2/1,2,3 VILLAGE CHITALSAR - MANPADA, TALUKA DIST. THANE.

TITLE:- SCHEDULE FOR RCC TYPICAL FLOOR SLAB

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