STORY36 TO TERRACE	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	20-T10 + 10-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY35 TO STORY36	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	20-T10 + 10-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY34 TO STORY35	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	20-T10 + 10-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY33 TO STORY34	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	20-T10 + 10-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
SERVICE-FLOOR TO STORY33	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	20-T10 + 10-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY32 TO SERVICE-FLOOR	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	20-T10 + 10-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY31 TO STORY32	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	20-T10 + 10-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY30 TO STORY31	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	20-T10 + 10-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY29 TO STORY30	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	20-T10 + 10-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY28 TO STORY29	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	20-T10 + 10-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY27 TO STORY28	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	20-T10 + 10-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY26 TO STORY27	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	24-T12 + 8-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY25 TO STORY26	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	24-T12 + 8-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY24 TO STORY25	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	24-T12 + 8-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY23 TO STORY24	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	24-T12 + 8-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY22 TO STORY23	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	24-T12 + 8-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY21 TO STORY22	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	24-T12 + 8-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY20 TO STORY21	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	24-T12 + 8-T10		32-T12 + 10-T10
	MATERIAL		M40:Fe500	M40:Fe500		M40:Fe500			M40:Fe500		M40:Fe500	M40:Fe500		M40:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY19 TO STORY20	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	24-T12 + 8-T10		32-T12 + 10-T10
	MATERIAL		M50:Fe500	M50:Fe500		M50:Fe500			M50:Fe500		M50:Fe500	M50:Fe500		M50:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY18 TO STORY19	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	24-T12 + 8-T10		32-T12 + 10-T10
	MATERIAL		M50:Fe500	M50:Fe500		M50:Fe500			M50:Fe500		M50:Fe500	M50:Fe500		M50:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY17 TO STORY18	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	24-T12 + 8-T10		32-T12 + 10-T10
	MATERIAL		M50:Fe500	M50:Fe500		M50:Fe500			M50:Fe500		M50:Fe500	M50:Fe500		M50:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
STORY16 TO STORY17	SIZE		200 X 6540	200 X 3300		200 X 5330			200 X 6610		200 X 3000	200 X 2590		200 X 3300
	STEEL		64-T12 + 22-T10	32-T12 + 10-T10		52-T12 + 18-T10			68-T12 + 20-T10		28-T12 + 8-T10	24-T12 + 8-T10		32-T12 + 10-T10
	MATERIAL		M50:Fe500	M50:Fe500		M50:Fe500			M50:Fe500		M50:Fe500	M50:Fe500		M50:Fe500
	LINKS		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C			T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C	T10@100C/C+T8@200C/C		T10@100C/C+T8@200C/C
COLUMN MARKED		PC14	FP30	FP31	FP32A	FP32	PC10	PC11	FP33	FP33A	FP34	FP35	PC9	FP36	

COLUMN SCHEDULE

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 :-	M60/M50/M40
DESIGN LIVE LOAD :- (UNLESS SPECIFIED)	-	GRADE OF STEEL :-	Fe 500 TMT
SUPERIMPOSED DEAD LOAD :-	-	S.B.C. :-	300 T/m²

CHECKED BY	DEALT BY	DRAWN BY	DRG. NO.	BLDG:	JOB NO.
N.R.P.	SHREYAS	PARAS	101060-114A	FENELIA	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 COLUMN

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