

TYPE/ No. CONC. GRADE	BASEMENT-2				BASEMENT-1				GROUND FLOOR				1ST FLOOR				2ND FLOOR				3RD FLOOR				4TH FLOOR			
	SIZE	STEEL	SECTION	UPTM	SIZE	STEEL	SECTION	UPTM	SIZE	STEEL	SECTION	UPTM	SIZE	STEEL	SECTION	UPTM	SIZE	STEEL	SECTION	UPTM	SIZE	STEEL	SECTION	UPTM	SIZE	STEEL	SECTION	UPTM
C1	M30	15-20"	3140 mm ² 1.7%		M30	15-20"	3140 mm ² 1.7%		M30	15-20"	3140 mm ² 1.7%		M30	15-20"	3140 mm ² 1.7%		M30	15-20"	3140 mm ² 1.7%		M30	15-20"	3140 mm ² 1.7%		M30	15-20"	3140 mm ² 1.7%	

TYPE/ No. CONC. GRADE	8th FLOOR				8th FLOOR				7th FLOOR				6th FLOOR				5th FLOOR											
	SIZE	STEEL	SECTION	UPTM	SIZE	STEEL	SECTION	UPTM	SIZE	STEEL	SECTION	UPTM	SIZE	STEEL	SECTION	UPTM	SIZE	STEEL	SECTION	UPTM	SIZE	STEEL	SECTION	UPTM	SIZE	STEEL	SECTION	UPTM
C1	M30	15-20"	1884 mm ² 1.8%		M30	15-20"	1884 mm ² 1.8%		M30	15-20"	1884 mm ² 1.8%		M30	15-20"	1884 mm ² 1.8%		M30	15-20"	1884 mm ² 1.8%		M30	15-20"	1884 mm ² 1.8%		M30	15-20"	1884 mm ² 1.8%	

TYPE/ No.	CONC. GRADE	STEEL	SECTION	UPTM
P1	M30	15-20"	1884 mm ² 1.8%	
P2	M30	15-20"	1884 mm ² 1.8%	
P3	M30	15-20"	1884 mm ² 1.8%	
P4	M30	15-20"	1884 mm ² 1.8%	
P5	M30	15-20"	1884 mm ² 1.8%	
P6	M30	15-20"	1884 mm ² 1.8%	
P7	M30	15-20"	1884 mm ² 1.8%	
P8	M30	15-20"	1884 mm ² 1.8%	
P9	M30	15-20"	1884 mm ² 1.8%	
P10	M30	15-20"	1884 mm ² 1.8%	

TYPE/ No.	CONC. GRADE	STEEL	SECTION	UPTM
R1	M30	15-20"	1884 mm ² 1.8%	
R2	M30	15-20"	1884 mm ² 1.8%	
R3	M30	15-20"	1884 mm ² 1.8%	

NOTE :- REFER ARCHITECT DRAWING FOR CENTER LINE DIMENSIONS

NOTE:

- DO NOT SCALE THIS DRAWING FOLLOW FIGURED DIMENSIONS
- ALL THE DIMENSIONS ARE IN INCHES & FEET.
- REFER ARCHITECT DRAWING FOR CENTER LINE DIMENSIONS & GRIDS
- THIS BUILDING IS DESIGNED FOR TWO CELLAR +GROUND+HANE FLOORS ONLY.
- S.B.C. OF SOIL IS 400 KN/SQ.M
- USE M30 GRADE CONCRETE FOR COLUMNS & M25 (1:1.5:3) FOR BEAMS & SLAB
- USE FE 500 GRADE TOR STEEL.
- PROVIDE CLEAR COVER OF 1.5" FOR COLUMNS , 1"FOR BEAMS & 3/4" FOR SLAB
- LAP LENGTH INCLUDING ANCHORAGE VALUE OF HOOKS FOR BARS IN FLEXURAL TENSION SHALL BE Ld OR 30d WHICHEVER IS GREATER. THE STRAIGHT LENGTH OF THE LAP SHALL NOT BE LESS THAN 15d OR 200mm. WHEN BARS OF TWO DIFFERENT DIAMETERS ARE TO BE SPLICED, THE LAP LENGTH SHALL BE CALCULATED ON THE BASIS OF DIAMETER OF THE SMALLER BAR.
- LAP / DEVELOPMENT LENGTH FOR MAIN REINFORCEMENT BARS FOR DIFFERENT GRADES OF CONCRETE MIX SHALL BE AS FOLLOWS:

STEEL GRADE M20 M25 M30 M35
 Fe 415 47 d 41 d 38 d 34 d
 Fe 500 57 d 49 d 46 d 40 d
 WHERE d IS THE DIAMETER OF THE BAR.

- ANY LOOSE OR PROTRUDING BUILDERS SHALL BE REMOVED BEFORE
- LAYING FOUNDATION CONCRETE AND SHALL BE FILLED WITH P.C.C.
- CONCRETE SHALL BE VIBRATED FOR OBTAINING OPTIMUM DENSITY.
- THE DIFFERENCE IN LEVELS OF DEPTH OF ADJACENT FOOTING SHALL NOT BE GREATER THAN HALF THE CLEAR DISTANCE BETWEEN THEM.
- STIRRUPS SHOULD HAVE STANDARD HOOK AS PER SP-34.
- THE PROVISIONS MADE IN IS: 456-2000 AND SP-34 AND OTHER RELEVANT CODES SHOULD BE STRICTLY ADHERED DURING EXECUTION .
- IF ANY VARIATION IN SOIL STRATA FOUND DURING THE EXECUTION OF THE FOUNDATION SOULS, WHEN COMPARED WITH THE CONSIDERED STRATA IT SHOULD BROUGHT TO THE NOTICE OF ENGINEER IN CHARGE AND CONSULTANTS FOR REVISING FOUNDATIONS.
- LOADINGS: LOADS ARE TAKEN AS PER IS 875:1987

- Dead load = IS 875:1987 part I
- Live load = IS 875:1987 part II
- Wind load = IS 875:1987 part III
- Terrain height and Building location: Hyderabad
- Basic wind speed Vb: 44 m/s
- Probability factor K1: Table 1 IS 875:1987 part III
- Topography factor: Table 2 IS 875:1987 part III
- Earthquake = IS 1893:2002
- Building location: Hyderabad
- Zone: II
- Zone factor Z: 0.10
- Soil Type II (MEDIUM)
- Response reduction factor R: 5
- Importance factor I: 1.10

NO.	DESCRIPTION	DATE
1.	COLUMN CURTALMENT & FOOTING DETAILS	DATE: 30-04-2019

GOOD FOR CONSTRUCTION.

Client: MODI PROPERTIES & INVESTMENTS PVT.LTD
 Project: RESIDENTIAL PROJECT FOR MAY FLOWER PLATINIUM AT MALLAPUR.
 STRUCTURAL CONSULTANT: KUTIKARNI CONSULTANTS
 2316, KUBERA TOWERS, HYDRABAD
 CONTACT NOS.: 9849228811, 9849228872, 9849228878.

DATE	30-04-2019	TITLE:	COLUMN CURTALMENT & FOOTING DETAILS(2)
DESIGN	SAIRAH	DWG. NO.:	KC/ABC/SD/F/4
CHECKED	KUTIKARNI	REV. NO.	4
APPROVED:			