

NOTE:

- DO NOT SCALE THIS DRAWING FOLLOW FIGURED DIMENSIONS
- ALL THE DIMENSIONS ARE IN INCHES & FEET.
- REFER ARCHITECT DRAWING FOR CENTER LINE DIMENSIONS
- THIS BUILDING IS DESIGNED FOR CELLAR + STILLT+EIGHT FLOORS ONLY.
- S.B.C. OF SOIL IS 250 KN/sqm
- USE M25 (1:1.5:2) GRADE CONCRETE FOR COLUMNS & M20 (1:1.5:3) FOR BEAMS & SLAB
- USE FE415 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 L_d OR 30 ϕ WHICHEVER IS GREATER. THE STRAIGHT LENGTH OF THE LAP SHALL NOT BE LESS THAN 15 ϕ 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 SOILS, WHEN COMPARED WITH THE CONSIDERED STRATA IT SHOULD BROUGHT TO THE NOTICE OF ENGINEER IN CHARGE AND CONSULTANTS FOR REVISNG FOUNDATIONS.



Client	MODI PROPERTIES & INVESTMENTS PVT.LTD
Project	PARAMOUNT AVENUE AT NAGARAM KULKARNI CONSULTANTS
DATE	26-01-2017
DESIGN	MADHURIA
CHECKER	KILKARNI
APPROVED	
TITLE:	RESIDENTIAL APARTMENT (PART-4) COLUMN CURTALMENT
DWG. NO.	KC/MPA/50/4/2
REV. NO.	0

KULKARNI CONSULTANTS
STRUCTURAL ENGINEERS, ARCHITECTS & PROJECT CONSULTANTS
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	C1 GROUP				C2 GROUP				C3 GROUP				C4 GROUP			
	SIZE	STEEL	SECTION	LATERAL TIES	SIZE	STEEL	SECTION	LATERAL TIES	SIZE	STEEL	SECTION	LATERAL TIES	SIZE	STEEL	SECTION	LATERAL TIES
EIGHTH FLOOR	9"x18"	4-16 ϕ 4-12 ϕ			9"x18"	4-16 ϕ 4-12 ϕ			9"x18"	8-16 ϕ			9"x18"	4-16 ϕ 4-12 ϕ		
SEVENTH FLOOR	9"x18"	4-16 ϕ 4-12 ϕ			9"x18"	4-16 ϕ 4-12 ϕ			9"x18"	8-16 ϕ			9"x18"	4-16 ϕ 4-12 ϕ		
SIXTH FLOOR	9"x18"	4-16 ϕ 4-12 ϕ			9"x18"	4-16 ϕ 4-12 ϕ			9"x18"	8-16 ϕ			9"x18"	4-16 ϕ 4-12 ϕ		
FIFTH FLOOR	9"x18"	4-16 ϕ 4-12 ϕ			9"x18"	8-16 ϕ			9"x21"	4-20 ϕ 4-16 ϕ			9"x21"	8-16 ϕ		
FOURTH FLOOR	9"x18"	8-16 ϕ			9"x18"	8-16 ϕ			9"x21"	4-20 ϕ 4-16 ϕ			9"x21"	10-16 ϕ		
THIRD FLOOR	9"x18"	8-16 ϕ			9"x18"	10-16 ϕ			9"x21"	6-20 ϕ 4-16 ϕ			9"x21"	6-20 ϕ 4-16 ϕ		
SECOND FLOOR	9"x18"	4-20 ϕ 4-16 ϕ			9"x18"	4-20 ϕ 6-16 ϕ			9"x24"	10-20 ϕ			9"x24"	10-20 ϕ		
FIRST FLOOR	9"x18"	4-20 ϕ 4-16 ϕ			9"x18"	4-20 ϕ 6-16 ϕ			9"x24"	10-20 ϕ			9"x24"	4-25 ϕ 6-20 ϕ		
STILT FLOOR	12"x18"	4-20 ϕ 4-16 ϕ			12"x18"	4-20 ϕ 6-16 ϕ			12"x24"	10-20 ϕ			12"x24"	4-25 ϕ 6-20 ϕ		
CELLAR FLOOR	12"x18"	4-20 ϕ 4-16 ϕ			12"x18"	4-20 ϕ 6-16 ϕ			12"x24"	10-20 ϕ			12"x24"	4-25 ϕ 6-20 ϕ		

