

GROUND FLOOR						FIRST FLOOR				SECOND FLOOR			
TYPE/ NOS	CONC. GRADE	SIZE	STEEL	SECTION	LATERAL TIES	SIZE	STEEL	SECTION	LATERAL TIES	SIZE	STEEL	SECTION	LATERAL TIES
C1	M30	9"x15"	8 nos16Ø			9"x15"	8 nos16Ø			9"x15"	8 nos16Ø		
C2	M30	9"x18"	6nos20Ø+ 2nos 16Ø			9"x18"	6nos20Ø+ 2nos 16Ø			9"x18"	6nos20Ø+ 2nos 16Ø		
C3	M30	9"x24"	8nos20Ø+ 2nos 16Ø			9"x24"	8nos20Ø+ 2nos 16Ø			9"x24"	8nos20Ø+ 2nos 16Ø		
C4	M30	18"x18"	6nos25Ø+ 4nos 20Ø			18"x18"	6nos25Ø+ 4nos 20Ø			18"x18"	6nos25Ø+ 4nos 20Ø		
C5	M30	12"x24"	6nos25Ø+ 6nos 20Ø			12"x24"	6nos25Ø+ 6nos 20Ø			12"x24"	6nos25Ø+ 6nos 20Ø		

THIRD FLOOR						FOURTH FLOOR			
TYPE/ NOS	CONC. GRADE	SIZE	STEEL	SECTION	LATERAL TIES	SIZE	STEEL	SECTION	LATERAL TIES
C1	M30	9"x15"	4nos16Ø 4nos12Ø			9"x15"	4nos16Ø 4nos12Ø		
C2	M30	9"x18"	4nos20Ø+ 4nos 16Ø			9"x18"	4nos16Ø 4nos12Ø		
C3	M30	9"x24"	4nos20Ø+ 2nos 16Ø			9"x24"	8nos16Ø		
C4	M30	18"x18"	10nos20Ø			18"x18"	10nos20Ø		
C5	M30	12"x24"	4nos25Ø+ 6nos 20Ø			12"x24"	4nos25Ø+ 6nos 20Ø		

General Notes : --

1. Use M25 (1:1:2) grade for columns & M20 (1:1.5:3) for footings, slab & Beams
2. Use FE415 grade tor steel.
3. Provide clear cover of 2" for footings & 1.5" for columns.
4. S.B.C of the Soil is taken as 350kn/m2.
5. Footings are design for Ground +Upper 4floors.
6. Provide clear cover of 1"for beams
7. Read horizontal beams from left to right & vertical from bottom to left.
8. crank +ve bars at L/4 th of span & extend -ve bars L/5 th of span.
9. Do not over lap bottom rods at center and top rods at support.
10. Slab thickness

DESCRIPTION		DATE
GOOD FOR CONSTRUCTIONS		
Client	MODI PROPERTIES & INVESTMENTS PVT.LTD	
Project	NILAGIRI ESTATE AT RAMPALLY, PHASE - II	
STRUCTURAL CONSULTANT	<b>KULKARNI CONSULTANTS</b> STRUCTURAL ENGINEERS, ARCHITECTS & PROJECT CONSULTANTS #216, KUBERA TOWER'S, NARAYAN GUDA, HYDERABAD. CONTACT NO'S:- 04023223891, 09246343724, 09246343720.	
DATE	CLUB HOUSE	
DEALT BY	PAWAN	
DESIGN BY	SRIKANTH	
CHECKED & APPROVED:	KULKARNI	
TITLE:	COLUMN CURTAILMENT	
DWG. NO.	KC/MBC/SD/CH/2A	REV. No. 1