



**NOTE :**

1. USE M25 (1:1.5:2) GRADE CONCRETE FOR COLUMNS & M20 (1:1.5:3) FOR BEAMS & SLAB
2. USE FE415 GRADE TOR STEEL.
3. PROVIDE CLEAR COVER OF 1.5" FOR COLUMNS , 1"FOR BEAMS & 3/4" FOR SLAB
4. PROVIDE 1" CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
5. IN SLAB EXTEND -VE STEEL UPTO 0.30L FROM FACE OF SUPPORT.
6. DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLY SUPPORTS.
7. LAP LENGTH 48 D ( D - IS THE DIA OF THE BAR) IN COMPRESSION.
8. LAP LENGTH 52 D ( D - IS THE DIA OF THE BAR) IN TENSION.
9. ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
10. ALL THE DIMENSIONS ARE IN INCHES & FEET.
11. DO NOT SCALE THE DRAWING.
12. REFER ARCHITECT DRAWING FOR CENTER LINE DIMENSIONS.
13. 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.
14. 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.

<b>Client</b>		<b>MODI PROPERTIES &amp; INVESTMENTS PVT.LTD</b>	
<b>Project</b>		<b>PARAMOUNT AVENUE AT NAGARAM</b>	
		<b>KULKARNI CONSULTANTS</b>	
		STRUCTURAL ENGINEERS, ARCHITECTS & PROJECT CONSULTANTS	
		CONTACT NO:- 9820353531, 9820353530, 9820353528	
DATE	28-05-2013	DWG. NO.	KC/NR/P/SD/3/17
DRAWN	MADHURA	TITLE:	RESIDENTIAL APARTMENT
CHECKED			<b>TYPICAL FLOOR(PART-3)</b>
APPROVED	KULKARNI		BEAM DETAIL
		REV. NO.	0

