



**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. DO NOT SCALE THE DRAWING.
11. REFER ARCHITECT DRAWING FOR CENTER LINE DIMENSIONS.
13. LAP LENGTH INCLUDING ANCHORAGE VALUE OF HOOKS FOR BARS IN FLEXURAL TENSION SHALL BE  $L_d$  OR 30Ø WHICHEVER IS GREATER. THE STRAIGHT LENGTH OF THE LAP SHALL NOT BE LESS THAN 15Ø.
14. LAP / DEVELOPMENT LENGTH FOR MAIN REINFORCEMENT BARS FOR DIFFERENT GRADES OF CONCRETE MIX SHALL BE AS FOLLOWS:

GRADE OF CONCRETE	DESCRIPTION	DATE
M30	Fe-415	
M35	Fe-500	
47 d	58 d	34 d
41 d	58 d	
57 d	49 d	46 d

WHERE d IS THE DIAMETER OF THE BAR.



**Client**  
MODI PROPERTIES & INVESTMENTS PVT.LTD

**Project**  
PARAMOUNT AVENUE AT NAGARAM

**KULKARNI CONSULTANTS**  
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DATE: 16-1-2017  
DESIGN: MADHURIA  
CHECKED: KILKARNI  
APPROVED: KILKARNI

TITLE: BASEMENT FLOOR BEAM LAYOUT

DWG. NO.: KC/MPA/50/3/6  
REV. NO.: 0