



SIMPLIFIED RULES FOR CURTAILMENT OF BARS IN SECTION THROUGH MIDDLE STRIP OF SLAB

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.



Client	MODI PROPERTIES & INVESTMENTS PVT.LTD
Project	PARAMOUNT AVENUE AT NAGARAM KULKARNI CONSULTANTS
DATE	28-05-2013
DESIGN	MADHURA
CHECKED	KULKARNI
APPROVED	KULKARNI
TITLE	TYPICAL FLOOR BEAM DETAIL
DWG. NO.	KC/MPA/50/4/17
REV. NO.	0