



- NOTE :**
- USE M25 (1:1:2) GRADE CONCRETE FOR COLUMNS & M20 (1:1.5:3) FOR BEAMS & SLAB
  - USE FE500 GRADE TOR STEEL.
  - PROVIDE CLEAR COVER OF 1.5" FOR COLUMNS , 1" FOR BEAMS & 3/4" FOR SLAB
  - PROVIDE 1" CAMBER AT FREE END FOR CANTILEVER BEAMS & SLABS.
  - IN SLAB EXTEND -VE STEEL UPTO 0.30L FROM FACE OF SUPPORT.
  - DO NOT PROVIDE EXTRA REINFORCEMENT AT SIMPLY SUPPORTS.
  - LAP LENGTH 48 D ( D- IS THE DIA OF THE BAR) IN COMPRESSION.
  - LAP LENGTH 52 D( D- IS THE DIA OF THE BAR) IN TENSION.
  - ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
  - ALL THE DIMENSIONS ARE IN INCHES & FEET.
  - DO NOT SCALE THE DRAWING.
  - REFER ARCHITECT DRAWING FOR CENTER LINE DIMENSIONS.
  - LAP LENGTH INCLUDING ANCHORAGE VALUE OF HOOKS FOR BARS IN FLEXURAL TENSION SHALL BE  $L_d$  OR  $30\phi$  WHICHEVER IS GREATER. THE STRAIGHT LENGTH OF THE LAP SHALL NOT BE LESS THAN  $15\phi$  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.

**SCHEDULE OF SLABS**

SLAB MARK	THICKNESS	TYPE	REINFORCEMENT AT	
			SHORT SPAN	LONG SPAN
S1	4½"	↕	8Ø @ 6" C/C	8Ø @ 8" C/C
S2	4½"	↔	8Ø @ 6" C/C	8Ø @ 8" C/C
S3	4½"	↕	8Ø @ 7" C/C	8Ø @ 7" C/C
S4	4½"	↕	10Ø @ 6" C/C	8Ø @ 8" C/C

DESCRIPTION	DATE
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 TOWERS, NARAYAN GUDA, HYDERABAD. CONTACT NO'S: 04023223891, 09246343724, 09246343720.
DATE	6-8-2016
DEALT BY	PAWAN
DESIGN BY	SRIKANTH
CHECKED & APPROVED	KULKARNI
TITLE	CLUB HOUSE (THIRD FLOOR SLAB)
DWG. NO.	KC/MBC/SD/CH/10
REV. No.	0