



- 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 30ϕ WHICHEVER IS GREATER. THE STRAIGHT LENGTH OF THE LAP SHALL NOT BE LESS THAN 15ϕ 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	4 $\frac{1}{2}$ "	+	8Ø @ 6" C/C	8Ø @ 8" C/C
S2	4 $\frac{1}{2}$ "	→	8Ø @ 6" C/C	8Ø @ 8" C/C
S3	4 $\frac{1}{2}$ "	+	8Ø @ 7" C/C	8Ø @ 7" C/C
S4	4 $\frac{1}{2}$ "	+	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	KULKARNI CONSULTANTS STRUCTURAL ENGINEERS, ARCHITECTS & PROJECT CONSULTANTS #216, KUBERA TOWERS, NARAYAN GUDA, HYDERABAD. CONTACT NO'S: 04023223891, 09246343724, 09246343720.	
DATE	5-7-2016	CLUB HOUSE
DEALT BY	PAWAN	TITLE: (SECOND FLOOR SLAB) SLAB DETAILS
DESIGN BY	SRIKANTH	
CHECKED & APPROVED	KULKARNI	DWG. NO. KC/MBC/SD/CH/11
		REV. No. 0