



NOTE :

- USE M20 (1:1.5:3) GRADE CONCRETE FOR BEAMS & SLAB
- USE FE500 GRADE TOR STEEL.
- PROVIDE CLEAR COVER OF 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 $30d$ 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.
- 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 |
| Fe 500 | 57 | d 49 | d 46 | d 40 |

 WHERE d IS THE DIAMETER OF THE BAR.

| REVISED SLAB | |
|--------------|----------|
| DESCRIPTION | DATE |
| | 25-05-18 |

| | |
|-----------------------|--|
| Client | MODI PROPERTIES & INVESTMENTS PVT.LTD |
| Project | CLUB HOUSE (SOV) |
| STRUCTURAL CONSULTANT | KULKARNI CONSULTANT'S STRUCTURAL ENGINEERS, ARCHITECTS & PROJECT CONSULTANTS #216, KUBERA TOWERS, NARAYAN GUJA, HYDERABAD. CONTACT NOS: 04023223981, 09246343724, 09246343720. |
| DATE | 02-05-2018 |
| DEALT BY | BASHA |
| DESIGN BY | SANTOSH |
| CHECKED BY | |
| APPROVED | KULKARNI |
| TITLE | SECTION BEAM SECTION DETAILS |
| DWG. NO. | KC/FH/SD/9 |
| REV. NO. | 0 |