



- NOTE:**
- DO NOT SCALE THIS DRAWING FOLLOW FIGURED DIMENSIONS
  - ALL THE DIMENSIONS ARE IN INCHES & FEET.
  - REFER ARCHITECT DRAWING FOR CENTER LINE DIMENSIONS & GRIDS
  - THIS BUILDING IS DESIGNED FOR TWO CELLAR +GROUND+NINE FLOORS ONLY.
  - S.B.C. OF SOIL IS 400.KN/SQ.M
  - USE M30 GRADE CONCRETE FOR COLUMNS & M25 (1:1.5:3) FOR BEAMS & SLAB
  - USE FE 500 GRADE TOR STEEL.
  - PROVIDE CLEAR COVER OF 1.5" FOR COLUMNS , 1" FOR BEAMS & 3/4" FOR SLAB
  - 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 150 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.
  - ANY LOOSE OR PROTRUDING BUILDERS SHALL BE REMOVED BEFORE
  - LAYING FOUNDATION CONCRETE AND SHALL BE FILLED WITH P.C.C.
  - CONCRETE SHALL BE VIBRATED FOR OBTAINING OPTIMUM DENSITY.
  - THE DIFFERENCE IN LEVELS OF DEPTH OF ADJACENT FOOTING SHALL NOT BE GREATER THAN HALF THE CLEAR DISTANCE BETWEEN THEM.
  - STIRRUPS SHOULD HAVE STANDARD HOOK AS PER SP-34.
  - THE PROVISIONS MADE IN IS; 456-2000 AND SP-34 AND OTHER RELEVANT CODES SHOULD BE STRICTLY ADHERED DURING EXECUTION .
  - IF ANY VARIATION IN SOIL STRATA FOUND DURING THE EXECUTION OF THE FOUNDATION SOILS, WHEN COMPARED WITH THE CONSIDERED STRATA IT SHOULD BROUGHT TO THE NOTICE OF ENGINEER IN CHARGE AND CONSULTANTS FOR REVISING FOUNDATIONS.
  - LOADINGS: LOADS ARE TAKEN AS PER IS 875:1987
    - Dead load = IS 875:1987 part i
    - Live load = IS 875:1987 part ii
    - Wind load = IS 875:1987 part iii
      - Building location: Hyderabad  
Basic wind speed  $V_b$ : 44 m/s  
Probability factor  $k_1$ : Table 1 IS 875:1987 part iii
      - Terrain height and Structure size factor: Table 2 IS 875:1987 part iii
      - Topography factor: Table 2 IS 875:1987 part iii
    - EARTH QUAKE = IS 1893:2002  
Building location: Hyderabad  
Zone: II  
Zone factor  $Z$ : 0.10  
Soil type: II (MEDIUM)  
Response reduction factor  $R$ : 5  
Importance factor  $I$ : 1.0

NOTE :- THIS DRAWING FOR CENTER LINE DIMENSIONS

1. COLA FOOTING DETAILS		DATE-11-12-16
<b>DESCRIPTION</b>	GOOD FOR CONSTRUCTION	
Client	MODI PROPERTIES & INVESTMENTS PVT.LTD	
Project	RESIDENTIAL PROJECT FOR MAY FLOWER PLATINIUM AT MALLAPUR.	
STRUCTURAL CONSULTANT	<b>KULKARNI CONSULTANTS</b> STRUCTURAL ENGINEERS, ARCHITECTS & PROJECT CONSULTANTS #218, KUBERA TOWER'S, NARAYAN GUJA HYDERABAD. CONTACT NOS:- 9403222899, 9246343724, 9246343726.	
DATE	09-04-2019	BLOCK - (A)
DRAWN	SANISH	TITLE: FOOTING DETAILS(2)
DESIGN	SANTOSH	
CHECKED	KULKARNI	DWG. NO. KC/MP/SD/F/3
APPROVED		REV. No. 3