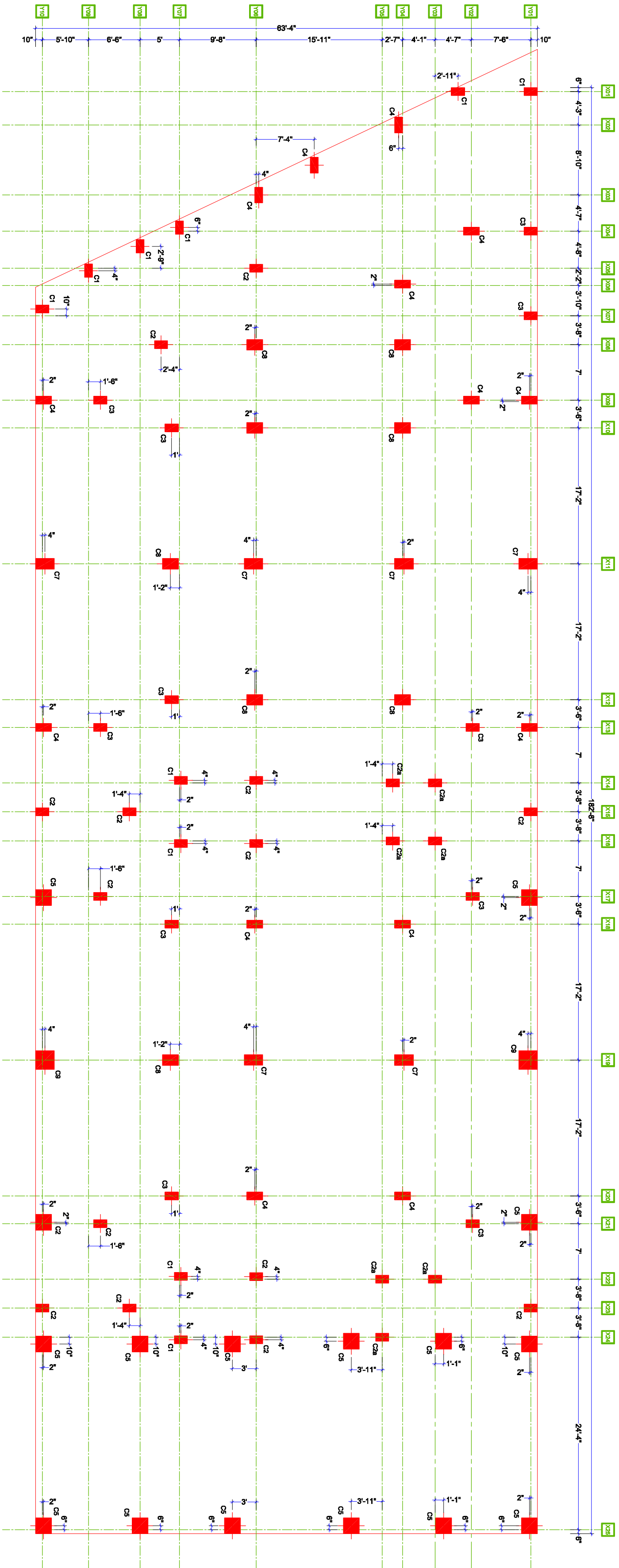


RAFT SLAB THK 10"



COLUMN & CENTER LAYOUT PLAN

NOTES:-

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL/SERVICE DRAWINGS.
2. ALL DIMENSIONS & LEVELS ARE IN MM, UNLESS NOTED OTHERWISE. 3. DO NOT SCALE THE DRAWING. READ FIGURED DIMENSIONS ONLY.
3. DESIGN CAPACITY:-
4. FOUNDATION HAS BEEN DESIGNED CONSIDERING A NET SAFE BEARING CAPACITY OF 80 TONS/MT AT 1200 MM. BELOW NATURAL GROUND LEVEL. ENGINEER-IN-CHARGE TO CONFIRM THE SAME ENGINEER-IN-CHARGE TO CONFIRM THE SAME BEFORE EXECUTION OF FOUNDATIONS.
5. GRADE OF CONCRETE FOR ALL RCC WORK SHALL BE M-25. UNLESS NOTED OTHERWISE
6. PLAIN CEMENT CONCRETE BELOW FOOTINGS SHALL BE 100mm THK (M10) UNO.

REINFORCING STEEL:-

7. ALL REINFORCEMENT BARS SHALL BE HIGH YIELD STRENGTH DEFORMED BARS OF GRADE Fe-500 CONFORMING TO IS 1786:2008 WITH A MINIMUM YIELD STRENGTH OF 500 N/CSMM.

COVER:-

8. CLEAR COVER TO MAIN R/F SHALL BE:-
  - a.) FOOTING (SIDE) = 50 MM.
  - b.) FOOTING (SIDE) = 50 MM.
  - c.) PEDESTAL = 40 MM.
  - d.) COLUMN = 40 MM.
  - e.) BEAM = 25 MM.
  - f.) SLAB = 20 MM.

BEAM - COLUMN JUNCTIONS:-

9. AT BEAM & COLUMN JUNCTIONS BEAM BARS IF IN CONFLICT WITH COLUMN BARS, SHALL BE GRADUALLY BENT & PLACED CLEAR OFF COLUMN BARS. UNDER NO CIRCUMSTANCES COLUMN VERTICAL BARS SHALL BE BENT TO ACCOMMODATE BEAM BARS.
10. EXTEND TOP OR BENT UP BARS SHALL BE EXTENDED UP TO 0.3 x L IN ADJACENT SPAN OVER A CONTINUOUS SUPPORT. IF EXTRA TOP ARE NOT PROVIDED THEN ANCHOR DOWN AT THE END SUPPORT.

CONSTRUCTION DETAILS:-

11. LAP LENGTH & BOND LENGTH SHALL BE AS PER IS 456: 2000.
12. LAPPING OF BARS SHALL BE STAGGERED. AT ANY CROSS SECTION NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED.
13. LAPPING OF R/F BARS IN BEAMS & SLABS SHALL BE AVOIDED IN THE FOLLOWING CASES.
  - a.) TOP BARS NEAR SUPPORT
  - b.) BOTTOM BARS AT MIDSPAN
14. OVERLAP OF BARS IS NOT PERMITTED IN HANGERS.
15. STRIPS FOR CANTILEVER BEAMS TO HAVE HOOKS AT BOTTOM
16. ANY TYPE OF OPENINGS (CUTOUT/LOOKOUT) SHALL BE MATCHED WITH THE SERVICES DRAWINGS.
17. COLUMN REBARS SHALL BE BENT AT CHANGE OF SECTION WITH SLOPE OF (1/8) AS AND WHERE REQUIRED.

LEGEND:-

1. N.G.L. :- NATURAL GROUND LEVEL
2. F.F.L. :- FINISHED FLOOR LEVEL
3. T.O.C. :- TOP OF CONCRETE
4. B.O.B. :- BOTTOM OF BEAM
5. T.O.B. :- TOP OF BEAM
6. U.N.O. :- UNLESS NOTED OTHERWISE
7. F.G.L. :- FINISHED GROUND LEVEL

PROJECT:-

MADHUBAN GREEN VALLEY

BUILDING:-

3BHK FLAT UNIT BLOCK

DRAWING TITLE:

COLUMN FOOTING LAYOUT PLAN

DRG. NO.:

ADEC/P000/MGV/STR-01A

DRAWN BY:

AAHIR

DESIGNED BY:

ROHIT

CHECKED BY:

ADA

APPROVED BY:

APOORV

NO.:

00.00.0000

RO:

00.00.0000

ARCHITECT CONSULTANTS:

STRUCTURAL CONSULTANT:

**APPOORV DHONDE ENGINEERING CONSULTANTS**

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