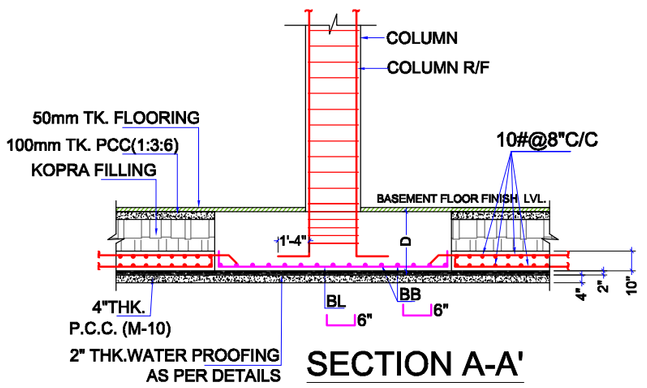
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

FOOTING SCHEDULE

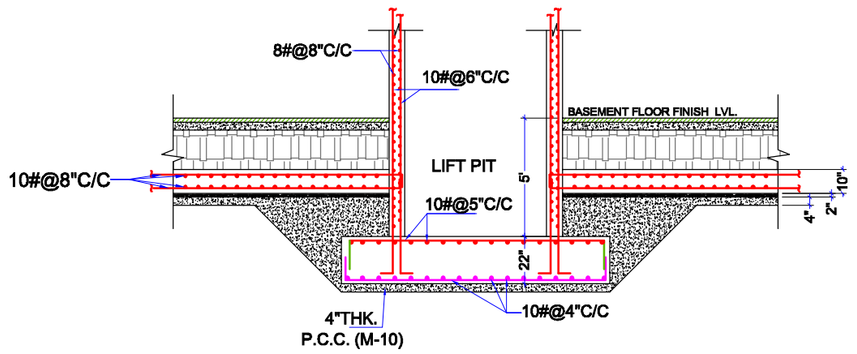
FOOTING MKD.	L (FEET INCHES)	B (FEET INCHES)	D (FEET INCHES)	d (FEET INCHES)	BL (BAR SPACING IN FEET INCHES)	BB (BAR SPACING IN FEET INCHES)	GRADE OF CONCRETE
F1	6'-8"	5'-8"	20"	----	10 # @ 4"C/C	10 # @ 4"C/C	M-25
F2	7'-0"	6'-4"	20"	----	10 # @ 4"C/C	10 # @ 4"C/C	M-25
F3	7'-4"	6'-8"	20"	----	12 # @ 6"C/C	12 # @ 6"C/C	M-25
F4	8'-0"	7'-0"	26"	----	12 # @ 5"C/C	12 # @ 5"C/C	M-25
F5	7'-8"	7'-8"	24"	----	12 # @ 5"C/C	12 # @ 5"C/C	M-25
F6	7'-6"	7'-6"	24"	----	12 # @ 5"C/C	12 # @ 5"C/C	M-25
F7	10'-4"	9'-4"	30"	----	16 # @ 5"C/C	16 # @ 5"C/C	M-25
F8	9'-0"	8'-4"	26"	----	16 # @ 6"C/C	16 # @ 6"C/C	M-25
F9	10'-0"	10'-0"	30"	----	16 # @ 5"C/C	16 # @ 5"C/C	M-25
F10	8'-8"	8'-8"	26"	----	12 # @ 4"C/C	12 # @ 4"C/C	M-25

COMBINE FOOTING SCHEDULE

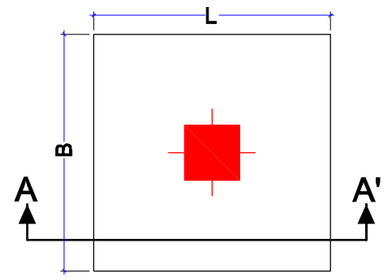
FOOTING MKD.	L (FEET INCHES)	B (FEET INCHES)	D (FEET INCHES)	d (FEET INCHES)	BOTTOM R/F BL (BAR SPACING IN FEET INCHES)	BOTTOM R/F BB (BAR SPACING IN FEET INCHES)	TOP R/F TL (BAR SPACING IN FEET INCHES)	TOP R/F TB (BAR SPACING IN FEET INCHES)	GRADE OF CONCRETE
CF1	11'-0"	11'-0"	22"	----	10 # @ 4"C/C	10 # @ 4"C/C	10 # @ 5"C/C	10 # @ 5"C/C	M-25
CF2	10'-8"	9'-0"	20"	----	10 # @ 4"C/C	10 # @ 4"C/C	10 # @ 6"C/C	10 # @ 6"C/C	M-25
CF3	20'-0"	14'-4"	24"	----	12 # @ 4"C/C	12 # @ 4"C/C	12 # @ 6"C/C	12 # @ 6"C/C	M-25
CF4	23'-0"	16'-6"	28"	----	16 # @ 5"C/C	16 # @ 5"C/C	12 # @ 5"C/C	12 # @ 5"C/C	M-25
CF5	15'-0"	7'-0"	26"	----	12 # @ 4"C/C	12 # @ 4"C/C	12 # @ 4"C/C	12 # @ 4"C/C	M-25



SECTION A-A'



SECTION B-B'



TYP. FOOTING PLAN

COLUMN SCHEDULE

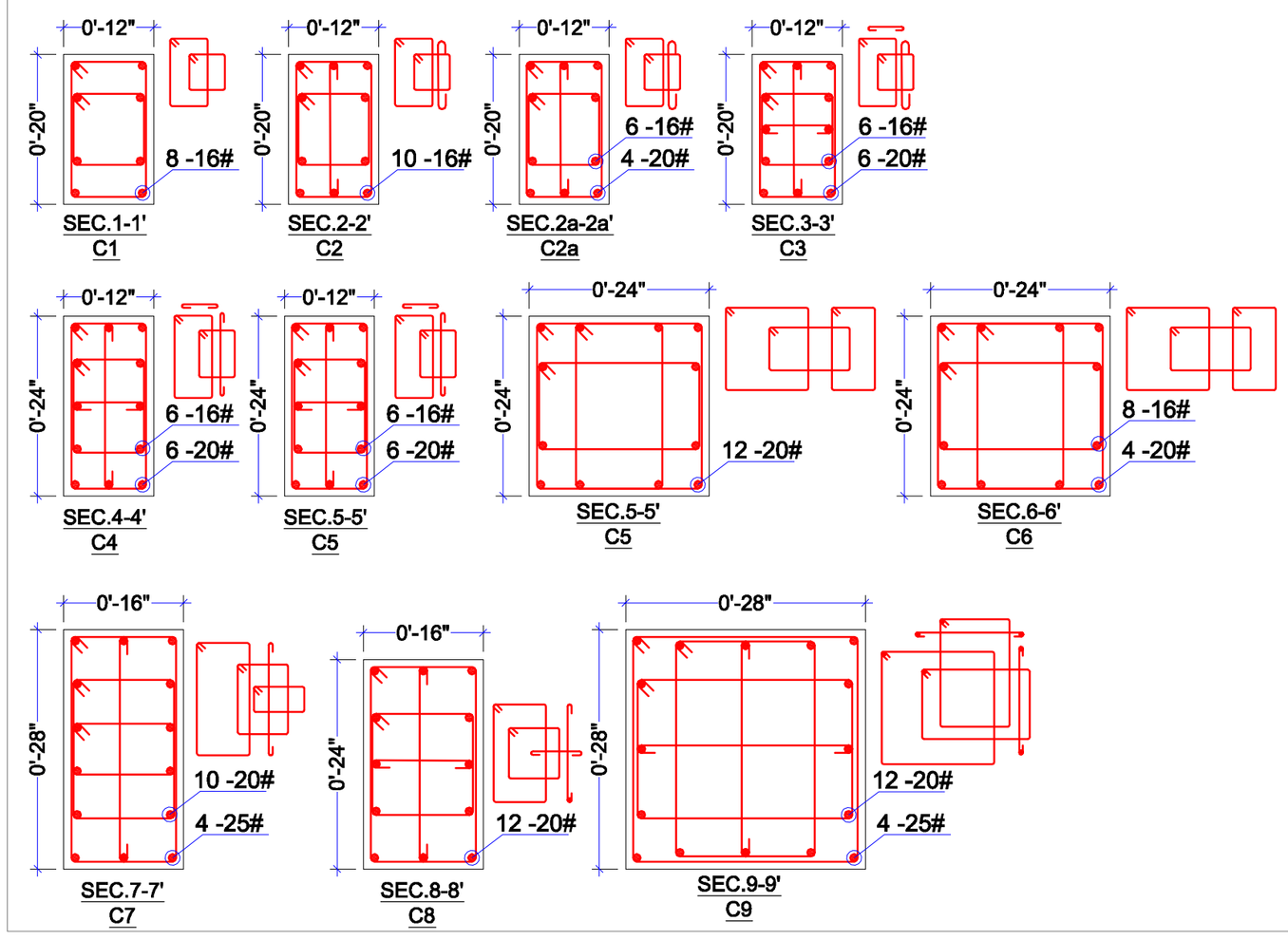
FOUNDATION UPTO 2nd SLAB

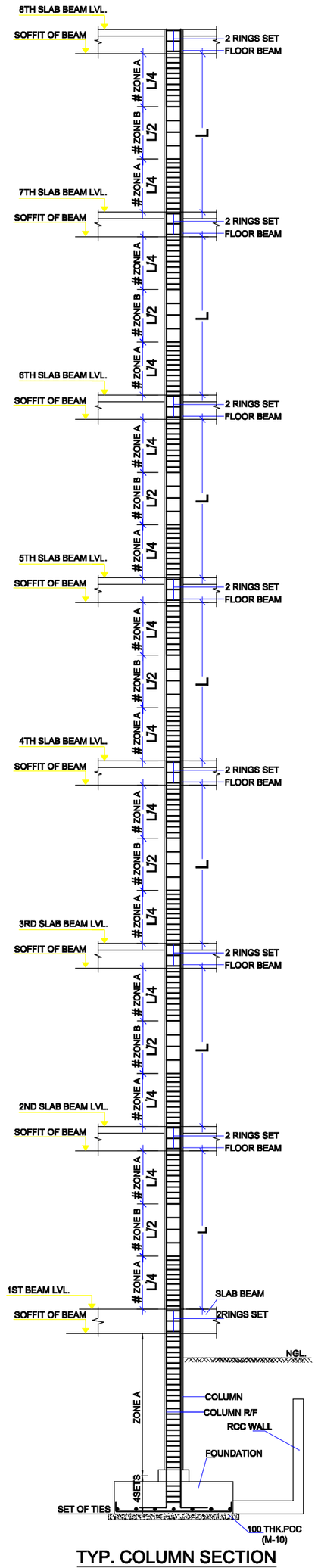
HIGHER DIA BARS AT CORNERS

COL. MKD	SIZE (FEET INCHES)	R/F	SEC.	TIES ZONE-A	TIES ZONE-B	GRADE OF CONCRETE
C1	0'12" x 0'20"	8 -16#	1 - 1'	8#@4"C/C	8#@6"C/C	M-25
C2	0'12" x 0'20"	10 -16#	2 - 2'	8#@4"C/C	8#@6"C/C	M-25
C2a	0'12" x 0'20"	4 -20#+6 -16#	2a - 2a'	8#@4"C/C	8#@6"C/C	M-25
C3	0'12" x 0'20"	6 -20#+6 -16#	3 - 3'	8#@4"C/C	8#@6"C/C	M-25
C4	0'12" x 0'24"	6 -20#+6 -16#	4 - 4'	8#@4"C/C	8#@6"C/C	M-25
C5	0'24" x 0'24"	12 -20#	5 - 5'	8#@4"C/C	8#@6"C/C	M-25
C6	0'24" x 0'24"	4 -20#+8 -16#	6 - 6'	8#@4"C/C	8#@6"C/C	M-25
C7	0'16" x 0'28"	4 -25#+10 -20#	7 - 7'	8#@4"C/C	8#@6"C/C	M-25
C8	0'16" x 0'24"	12 -20#	8 - 8'	8#@4"C/C	8#@6"C/C	M-25
C9	0'28" x 0'28"	4 -25#+12 -20#	9 - 9'	8#@4"C/C	8#@6"C/C	M-25

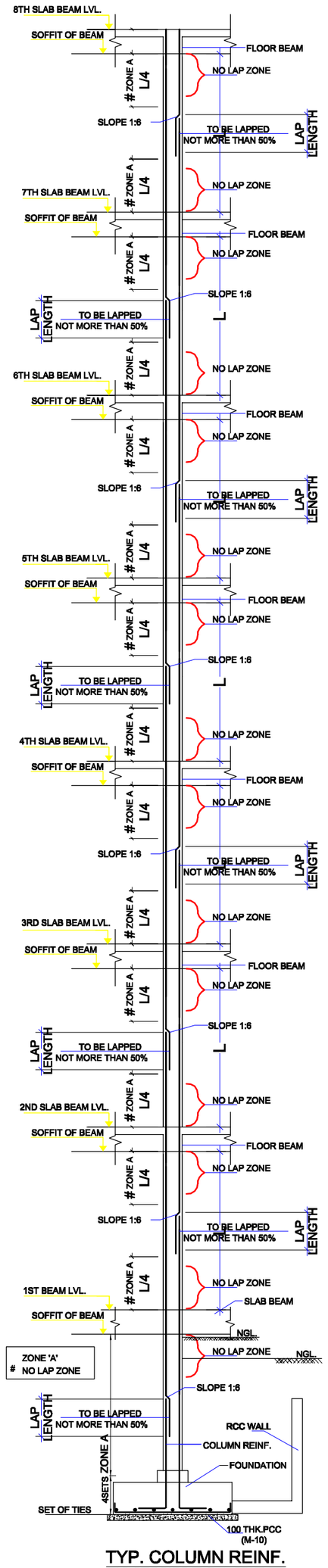
COLUMN SECTION

HIGHER DIA BARS AT CORNERS
FOUNDATION UPTO 2nd SLAB





TYP. COLUMN SECTION
(FOR BEAM ORIENTATIONS, CHECK REPECTIVE FLOOR PLANS)



TYP. COLUMN REINF.
SPLICING DETAILS

NOTES:-

1. READ THIS DRAWING IN CONJUCTION 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.

DESIGN CAPACITY:-

4. FOUNDATION HAS BEEN DESIGNED CONSIDERING A NET SAFE BEARING CAPACITY OF 35T/SQMT 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.

CONCRETE:-

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 YEILD STRENGTH DEFORMED BARS OF GRADE Fe-500D CONFORMING TO 1786:2008 WITH A MINIMUM YEILD STRENGTH OF 500 N/SQMM.

COVER:-

8. CLEAR COVER TO MAIN R/F SHALL BE:-
   a.) FOOTING = 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. EXTRA TOP OR BENT UP BARS SHALL BE EXTENDED UPTO 0.3 x L IN ADJACENT SPAN OVER A CONTINOUS 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. STIRRUPS FOR CANTILEVER BEAMS TO HAVE HOOKS AT BOTTOM
16. ANY TYPE OF OPENINGS (CUTOUT/BLOCKOUT) SHALL BE MATCHED WITH THE SERVICES DRAWINGS.
17. COLUMN REBARS SHALL BE BENT AT CHANGE OF SECTION WITH SLOPE OF (1:6) 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 R/F DETAILS

DRG. NO:

ADEC/P000/MGV/STR-01C

DRAWN BY	AAMIR	SCALE	1:100
DESIGNED BY	ROHIT	SHEET SIZE	A2
CHECKED BY	ADA	DATE	09.07.2024
APPROVED BY	APOORV		

NO.	DATE	DESCRIPTION	CKD
R0	00.00.0000		

ARCHITECT CONSULTANTS:

STRUCTURAL CONSULTANT:

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