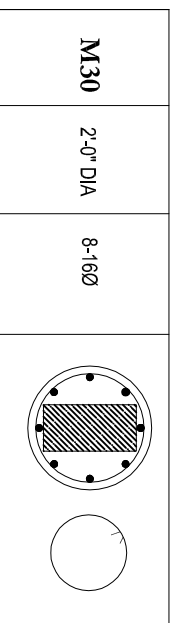




**COLUMN SECTION DETAILS**

TYPE/ NOs	CONC. GRADE	SIZE	STEEL	SECTION	LATERAL TIES
C1	M30	15"x24"	8-25Ø 4-20Ø		8Ø@8"c/c
C2	M30	12"x18"	8-20Ø 4-16Ø		8Ø@8"c/c
C3	M30	9"x18"	8-20Ø 2-16Ø		8Ø@8"c/c
C4	M30	9"x18"	4-20Ø 4-16Ø		8Ø@8"c/c
C5	M30	9"x15"	8-16Ø		8Ø@8"c/c
C6	M30	9"x15"	4-16Ø 4-12Ø		8Ø@8"c/c
C7	M30	9"x15"	4-16Ø 6-12Ø		8Ø@8"c/c
C8	M30	18"x18"	6-25Ø 6-20Ø		8Ø@8"c/c
C9	M30	12"x12"	4-20Ø 4-16Ø		8Ø@8"c/c

**OUTER CIRCULAR COLUMN DETAIL**



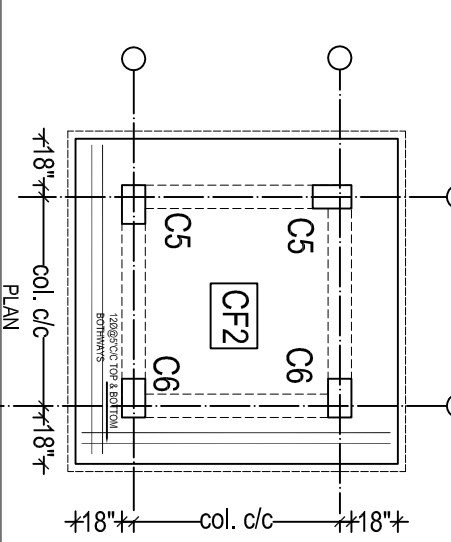
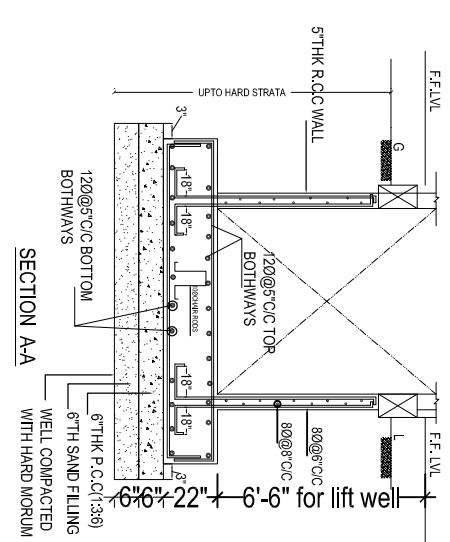
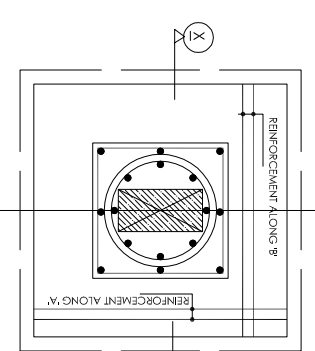
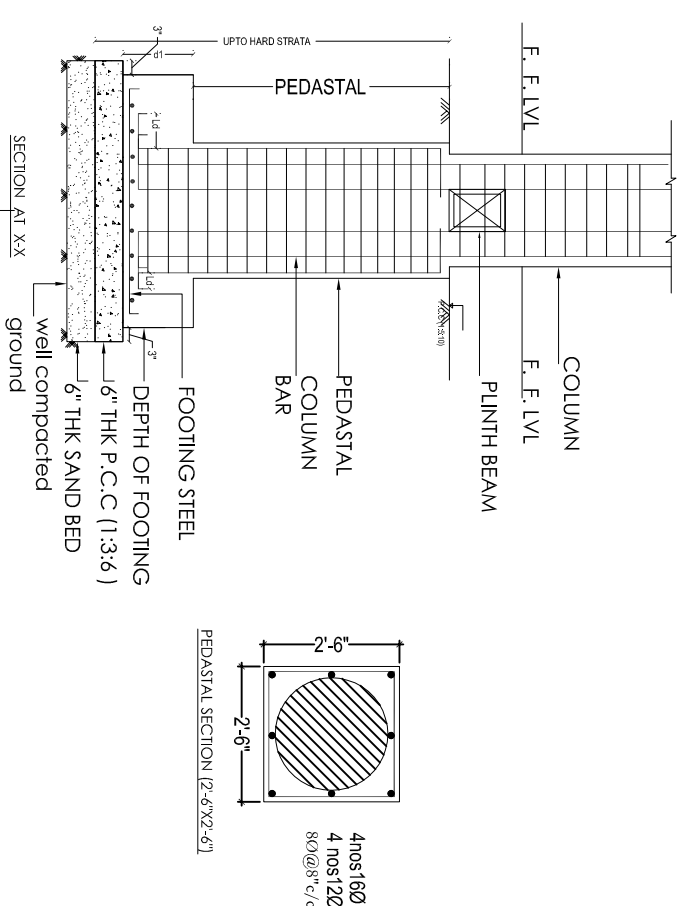
\* NOTE: TERMINATE THESE RODS IN BASEMENT FLOOR SLAB

**FOOTINGS SECTION DETAILS**

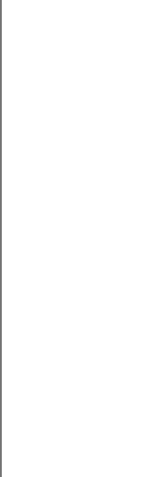
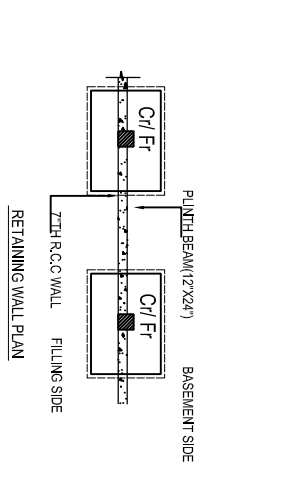
TYPE/ NOs	CONC. GRADE	PRT SIZE	FOOTING SIZE (A X B)	DEPTH	REINFORCEMENT ALONG A&B
F1	M20	9'0"x9'0"	8'6"x8'6"	27"	12Ø@5"c/c BOTH WAYS
F2	M20	6'6"x8'9"	6'0"x8'3"	27"	12Ø@5"c/c BOTH WAYS
F3	M20	6'6"x6'6"	6'0"x6'0"	24"	12Ø@6"c/c BOTH WAYS
F4	M20	5'6"x3'6"	5'0"x5'0"	21"	10Ø@5"c/c BOTH WAYS
F5	M20	5'6"x5'6"	5'0"x5'0"	18"	10Ø@5"c/c BOTH WAYS
F6	M20	5'6"x5'6"	5'0"x5'0"	18"	10Ø@5"c/c BOTH WAYS
F7	M20	8'6"x8'6"	8'0"x8'0"	27"	12Ø@6"c/c BOTH WAYS
CF1	M20	8'0"x5'9"	7'6"x5'3"	18"	12Ø@6"c/c BOTH WAYS TOP& BOTTOM
CF2	M20	11'0"x11'0"	10'6"x10'6"	22"	12Ø@5"c/c BOTH WAYS TOP& BOTTOM

**RETAINING WALL COLUMN FOOTING DETAIL**

TYPE/ NOs	CONC. GRADE	SIZE	STEEL	SECTION	LATERAL TIES
Cc	M25	12x12"	4-20Ø 4-16Ø 8Ø@8"c/c		
FOOTING SECTION DETAILS					
TYPE/ NOs	PRT SIZE	FOOTING SIZE (A X B)	DEPTH	REINFORCEMENT ALONG A&B	REINFORCEMENT ALONG A&B
Ff	4'5"x5'6"	4'0"x5'0"	18"	12Ø@6"c/c BOTH WAYS	12Ø@6"c/c BOTH WAYS



**TYPICAL SECTION OF RETAINING WALL**



**NOTE:**

- USE M25 (1:1.5:2) GRADE CONCRETE FOR COLUMNS & M20 (1:1.5:3) FOR BEAMS & SLAB
- USE FE415 GRADE FOR 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 0.3ML 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 TENSILE TENSION SHALL BE 1D OR 3Ø WHICHEVER IS GREATER. THE STRAIGHT LENGTH OF THE LAP SHALL NOT BE LESS THAN 15Ø 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  
15 USE ORMOUR BOARD OR BRITMEN PAD FOR EXPANSION JOINT

NO.	DESCRIPTION	DATE

Client	MODI PROPERTIES & INVESTMENTS PVT.LTD
Project	RESIDENTIAL PROJECT FOR (B & C) MAY FLOWER GRANDE AT MALLAPUR.
STRUCTURAL CONSULTANT	<b>KULKARNI CONSULTANTS</b> STRUCTURAL ENGINEERS, ARCHITECTS & PROJECT CONSULTANTS CONTACT NO.S: 9402223891, 9245343274, 0245343275.
DATE	15/04/2024
DRAWN BY	PRASHANT
CHECKED BY	MAHARAJA
APPROVED	CULKARNI
BLOCK (A) CLUB HOUSE	COLUMN & FOOTING
DETAILS (S-2)	
DWG. NO.	KC/ABC/SO/CI/1
REV. NO.	1