

CLIENT :

- C1- 9" X1'-0" 4 Nos
- C2- 9" X1'-3" 7 Nos
- C3- 9" X1'-3" 4 Nos

PROJECT :  
 PLAN SHOWING THE PROPOSED  
 CONSTRUCTION OF GROUND  
 FLOOR RESIDENTIAL  
 BUILDING

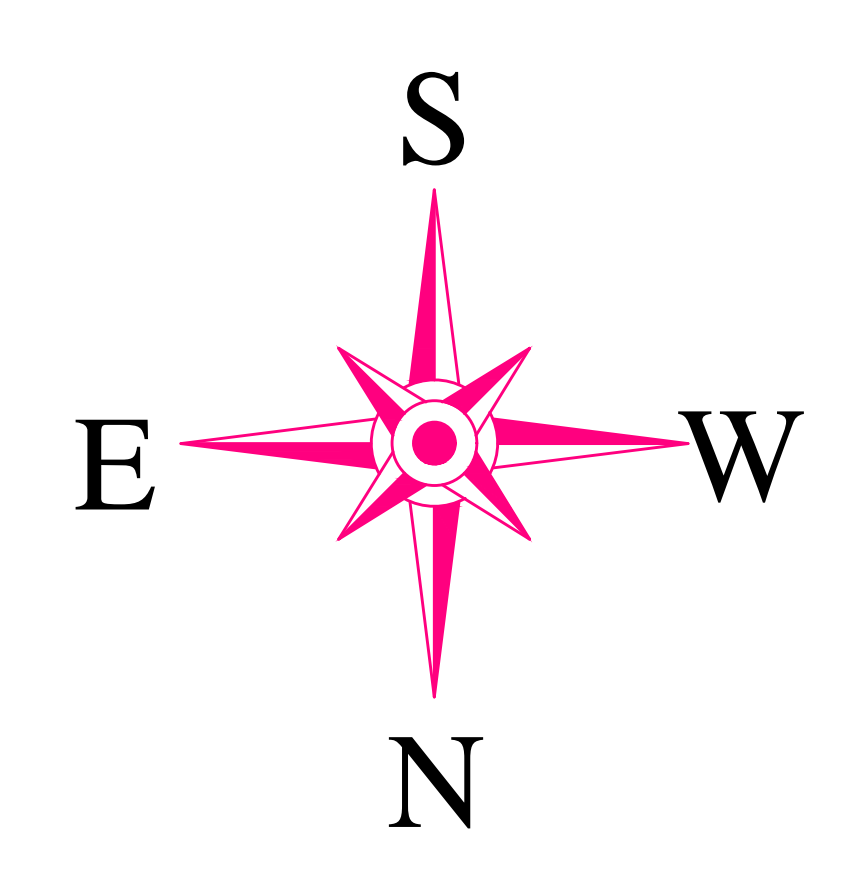
DRAWING TITLE:  
 PLAN

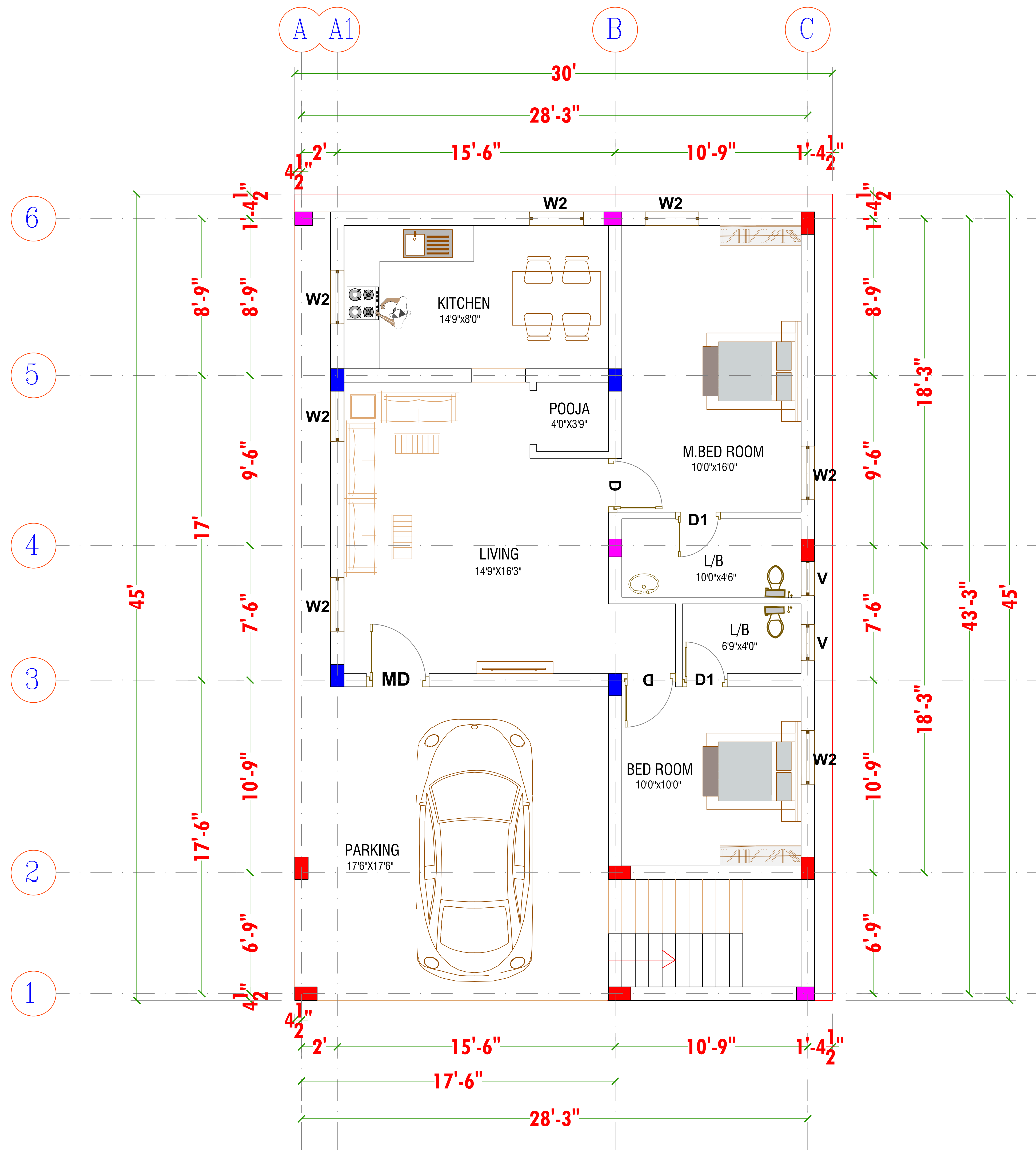
AREA OF THE BUILDING  
 G.F AREA 1276 SQ.FT

JOINERIES DETAILS

MD	Main Door	3'6"x7'0"
D	Door	3'0"x7'0"
D1	Door	2'6"x7'0"
W2	Window	3'0"x4'6"
W3	Window	4'6"x4'6"
KW	Window	4'0"x3'0"
V	Ventilator	2'0"x2'0"

DATE :  
 21/10/2022





## Details

- C1- 9" X1'-0" 4 Nos
- C2- 9" X1'-3" 7 Nos
- C3- 9" X1'-3" 4 Nos

**TITLE:**

**COLUMN PLAN**

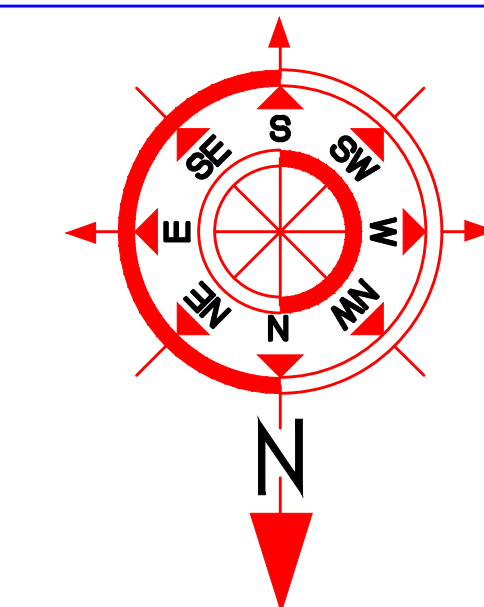
### NOTES

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- \* ADOPT M20 CONCRETE MIX FOR ALL CONCRETE STRUCTURES.
- \* REPRESENTS FE500 STEEL
- \* PROVIDE CLEAR COVER AS BELOW (UNLESS SPECIFIED)
- FOOTING - 50MM
- COLUMN - 40MM
- BUILDING IS DESIGN FOR G+2 FLOORS

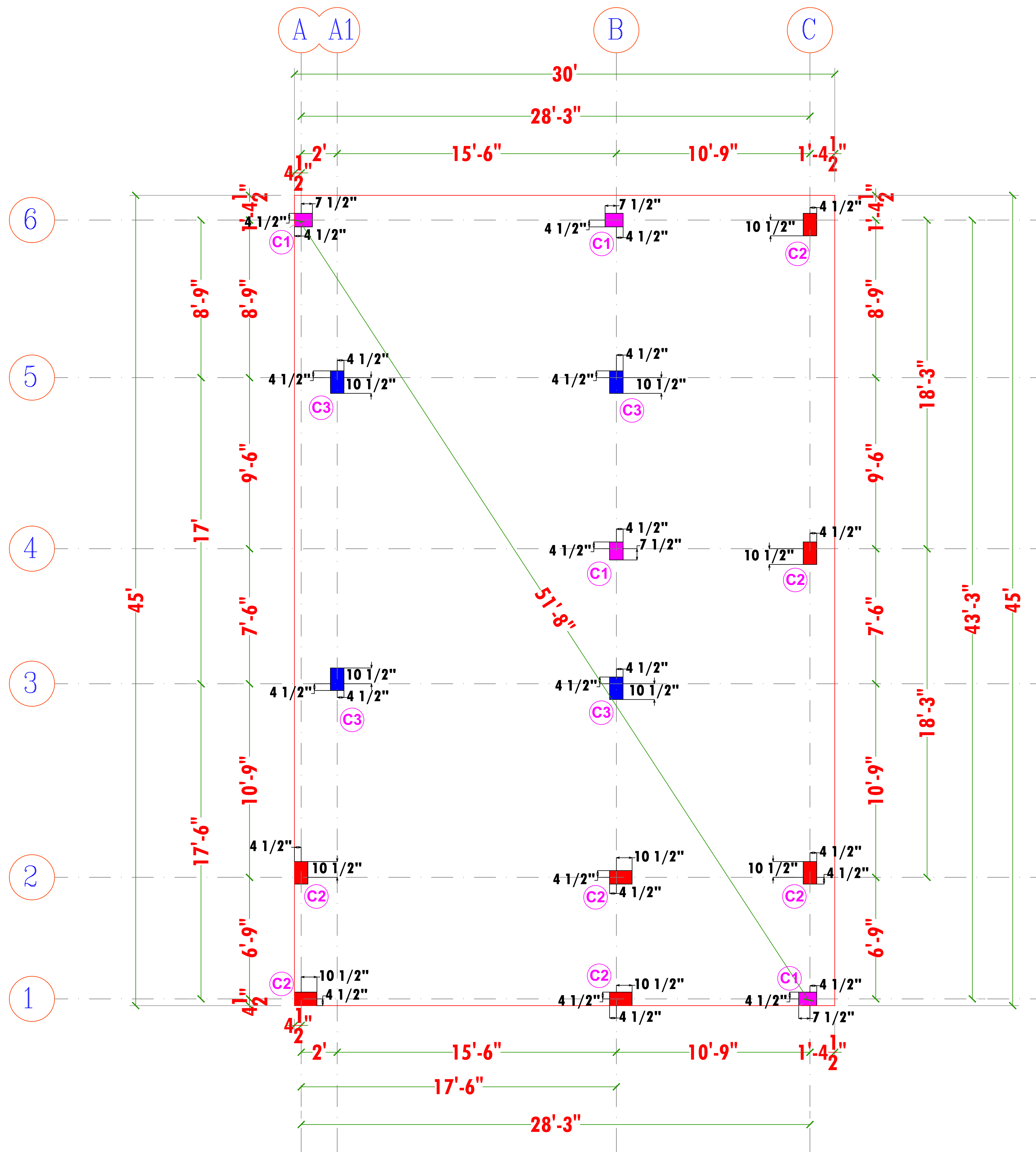
**PROJECT TITLE:**

**RESIDENTIAL BUILDING**

**CLIENT**



**ENGINEER**



### Details

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- C3- 9" X1'-3" 4 Nos

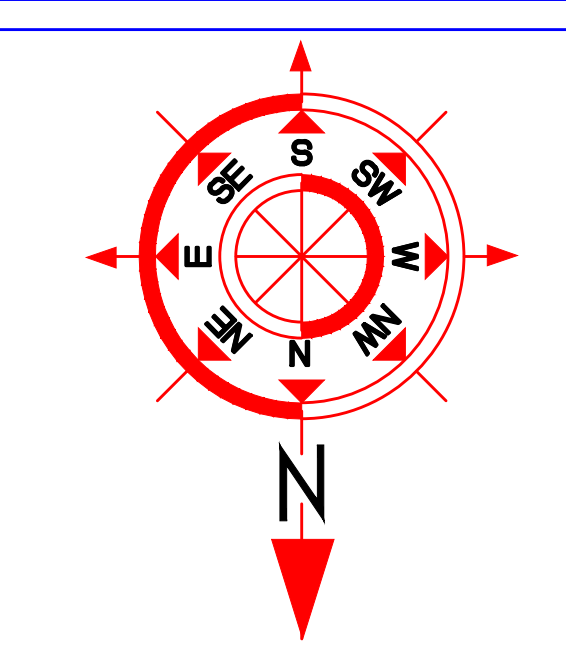
**TITLE:**  
CENTERLINE PLAN

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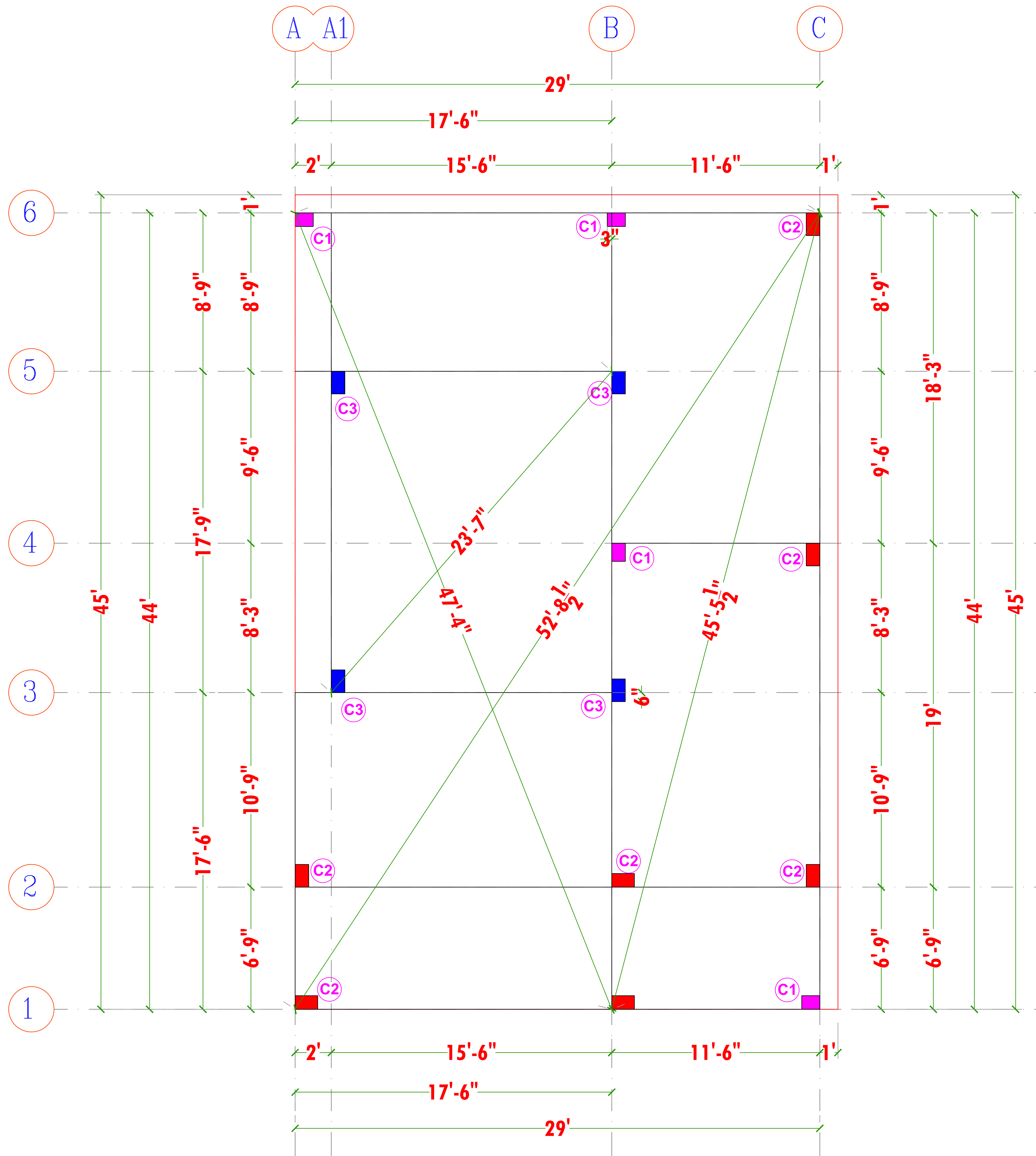
**PROJECT TITLE:**  
**RESIDENTIAL BUILDING**

**CLIENT**



**ENGINEER**





## Details

- C1- 9" X1'-0" 4 Nos
- C2- 9" X1'-3" 7 Nos
- C3- 9" X1'-3" 4 Nos

**TITLE:**

COLUMN MARKING  
PLAN

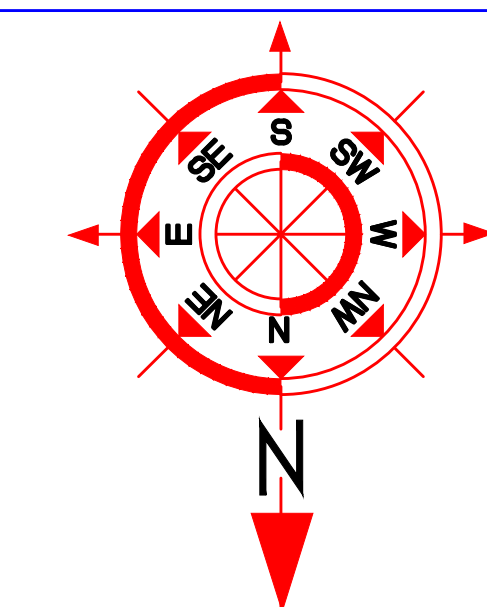
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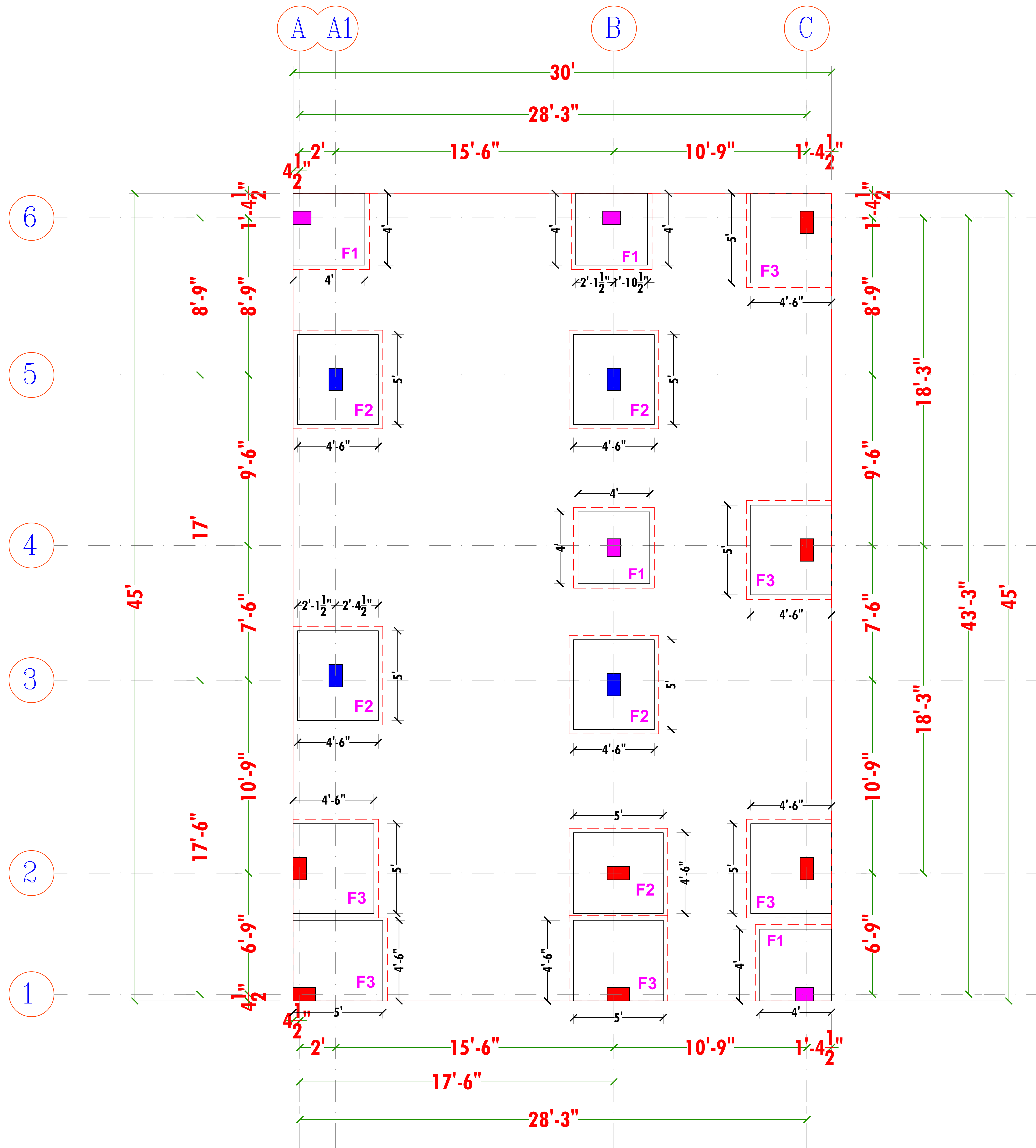
**PROJECT TITLE:**

**RESIDENTIAL BUILDING**

**CLIENT**



**ENGINEER**



## Details

- C1- 9" X1'-0" 4 Nos
- C2- 9" X1'-3" 7 Nos
- C3- 9" X1'-3" 4 Nos

**TITLE:**

**FOOTING PLAN**

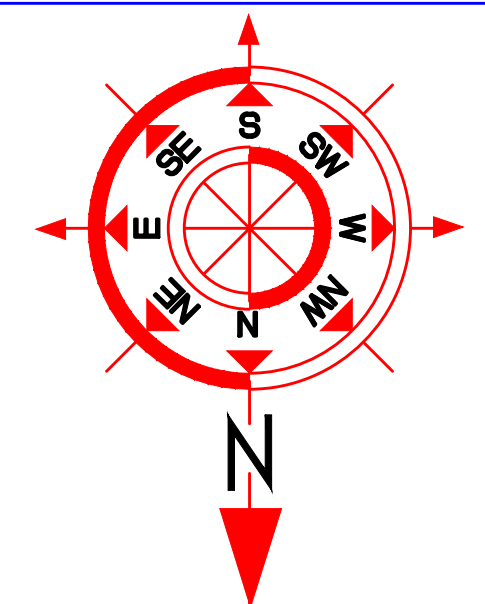
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**RESIDENTIAL BUILDING**

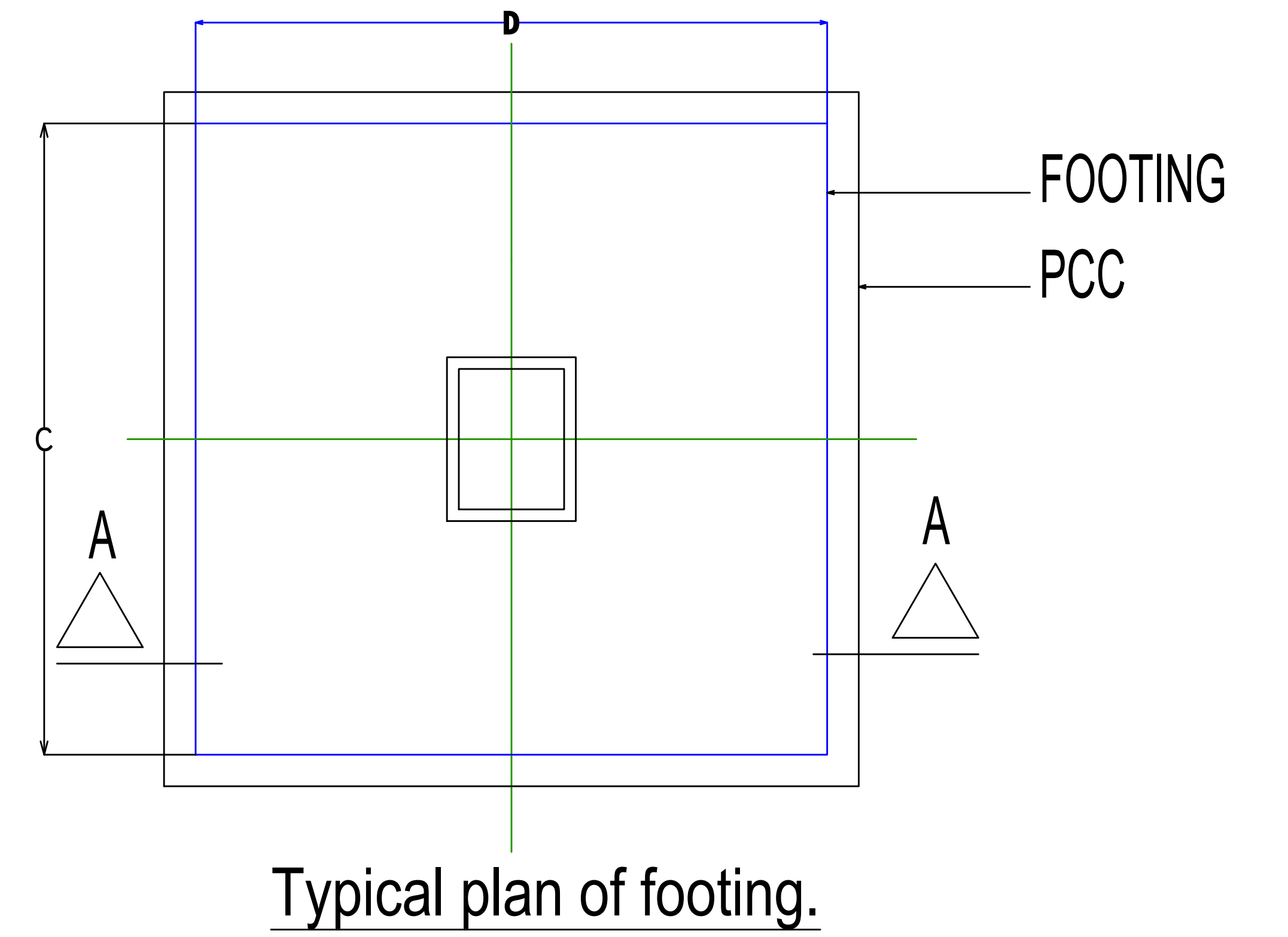
**CLIENT**



**ENGINEER**



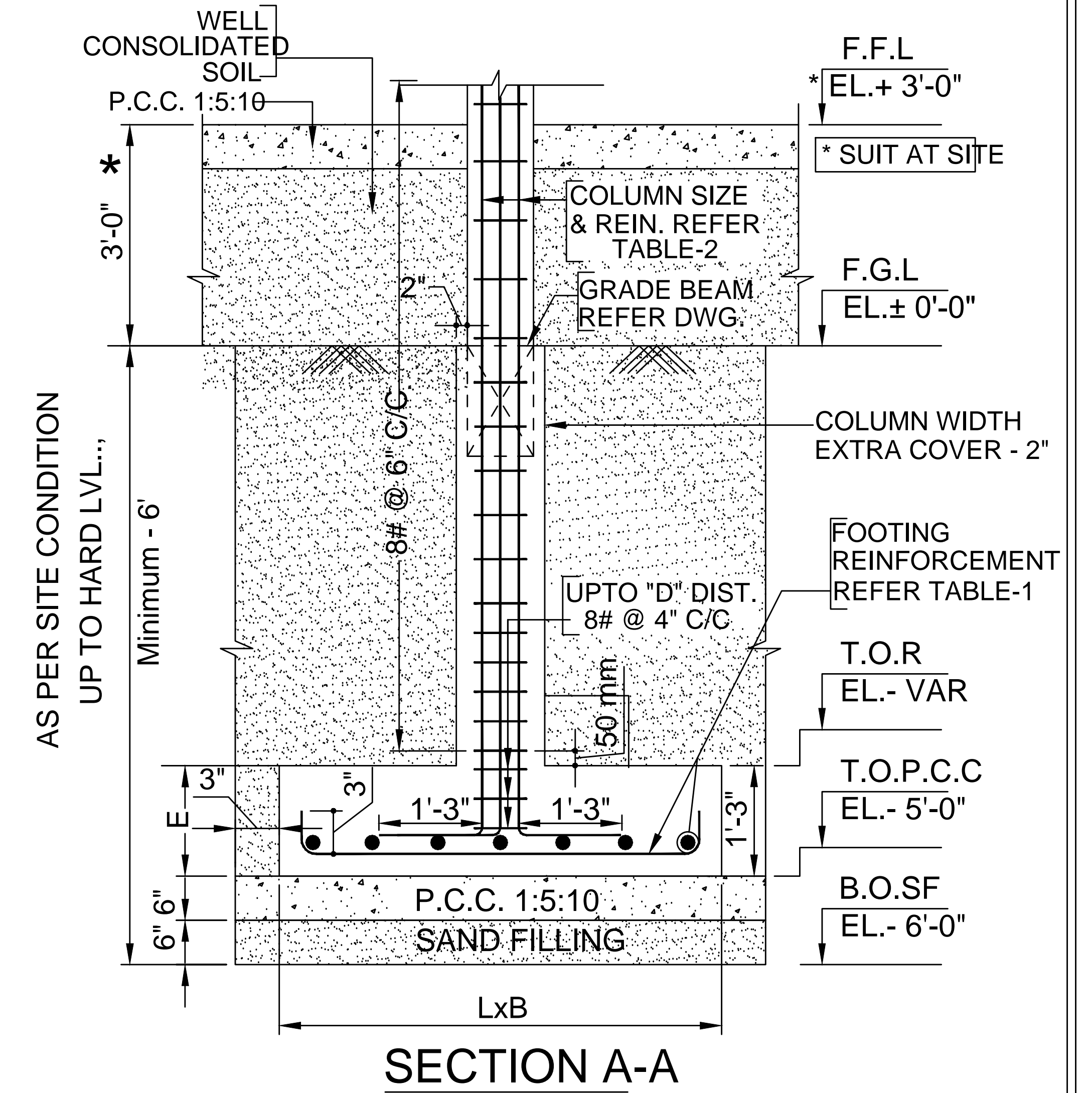
Second Floor			
From Footing top to First Floor Roof lvl			
Mix	M 20	M 20	M 20
Size	9" x 12"	9" x 15"	9" x 15"
Column links	8#@6"c/c	8#@6"c/c	8#@6"c/c
Column type	<b>C1</b> 4 Nos	<b>C2</b> 7 Nos	<b>C3</b> 4 Nos



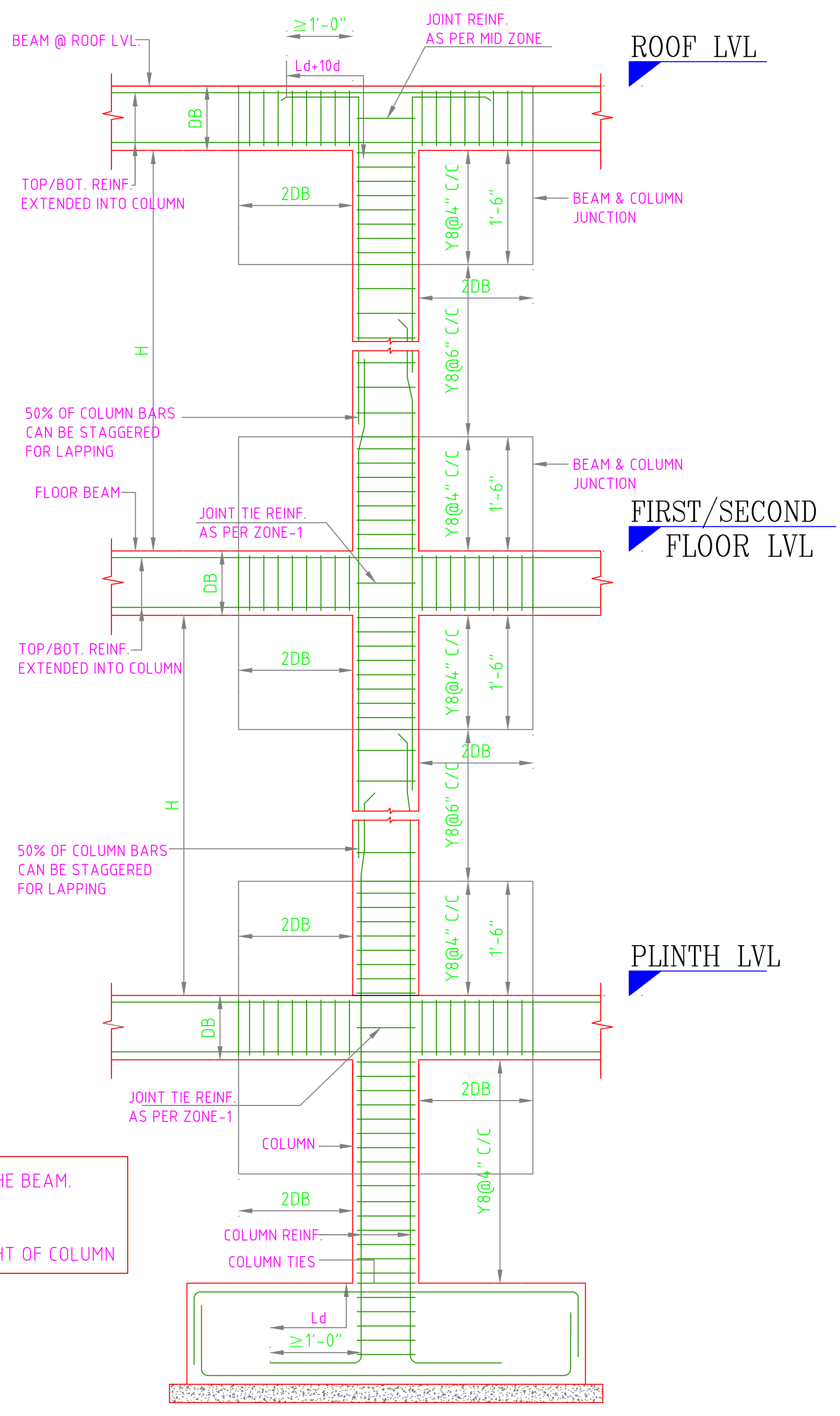
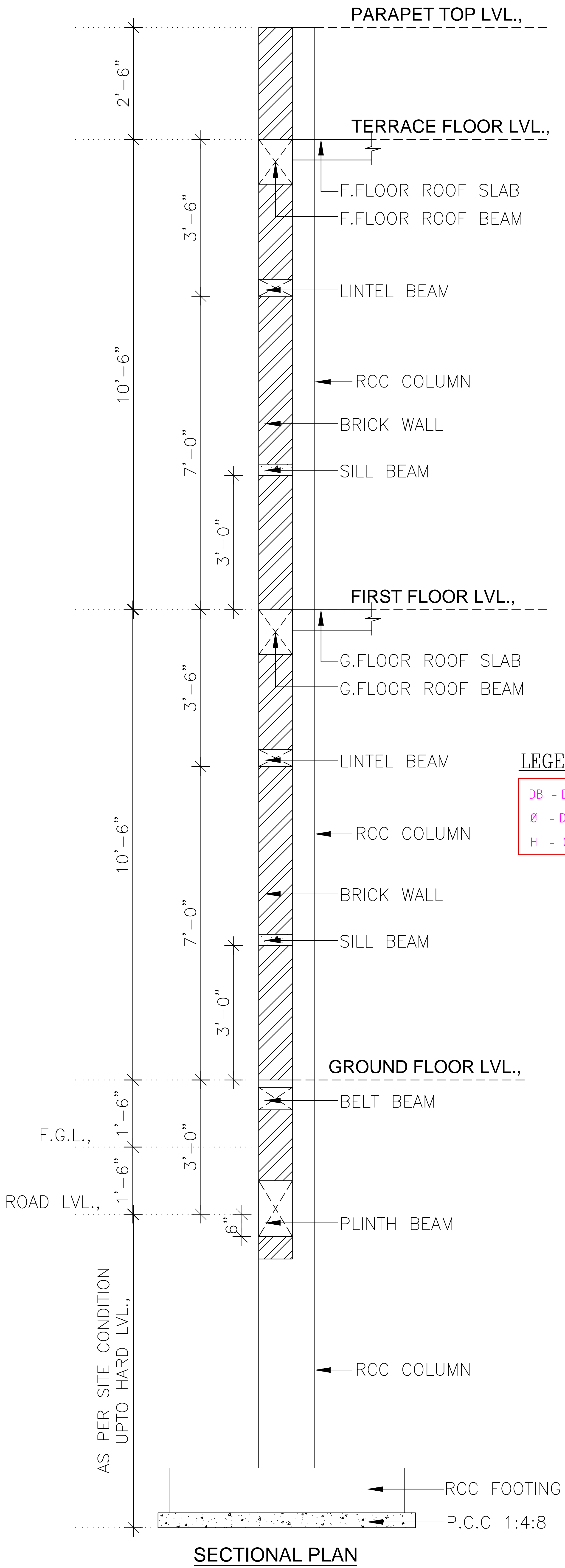
### FOOTING SCHEDULE

footing type	p.c.c. size		footing size		footing depth	footing reinforcement	
	A	B	C	D	E	'a' bar	'b' bar
F1	4'-6"	4'-6"	4'-0"	4'-0"	1'-3"	10#@6"c/c (Both)	10#@6"c/c(Both)
F2	5'-0"	5'-6"	4'-6"	5'-0"	1'-3"	10#@6"c/c (Both)	10#@6"c/c(Both)
F3	5'-0"	5'-6"	4'-6"	5'-0"	1'-6"	10#@6"c/c (Both)	10#@6"c/c(Both)

LEGEND	
B.O.SF	BOTTOM OF SAND FILLING
B.W	BOTH WAYS
C/C	CENTER TO CENTER
DIST	DISTANCE
DWG.	DRAWING
F.G.L	FORMED GROUND LEVEL
F.F.L	FINISHED FLOOR LEVEL
L d	DEVELOPMENT LENGTH
REIN.	REINFORCEMENT
REF.	REFER
T.O.G.B	TOP OF GRADE BEAM
T.O.R.B	TOP OF RAFT BEAM
T.O.R	TOP OF RAFT
T & B	TOP & BOTTOM
T.O.P.C.C	TOP OF PLAIN CEMENT CONCRETE
VAR.	VARIES



## COLUMN & FOOTING DETAILS

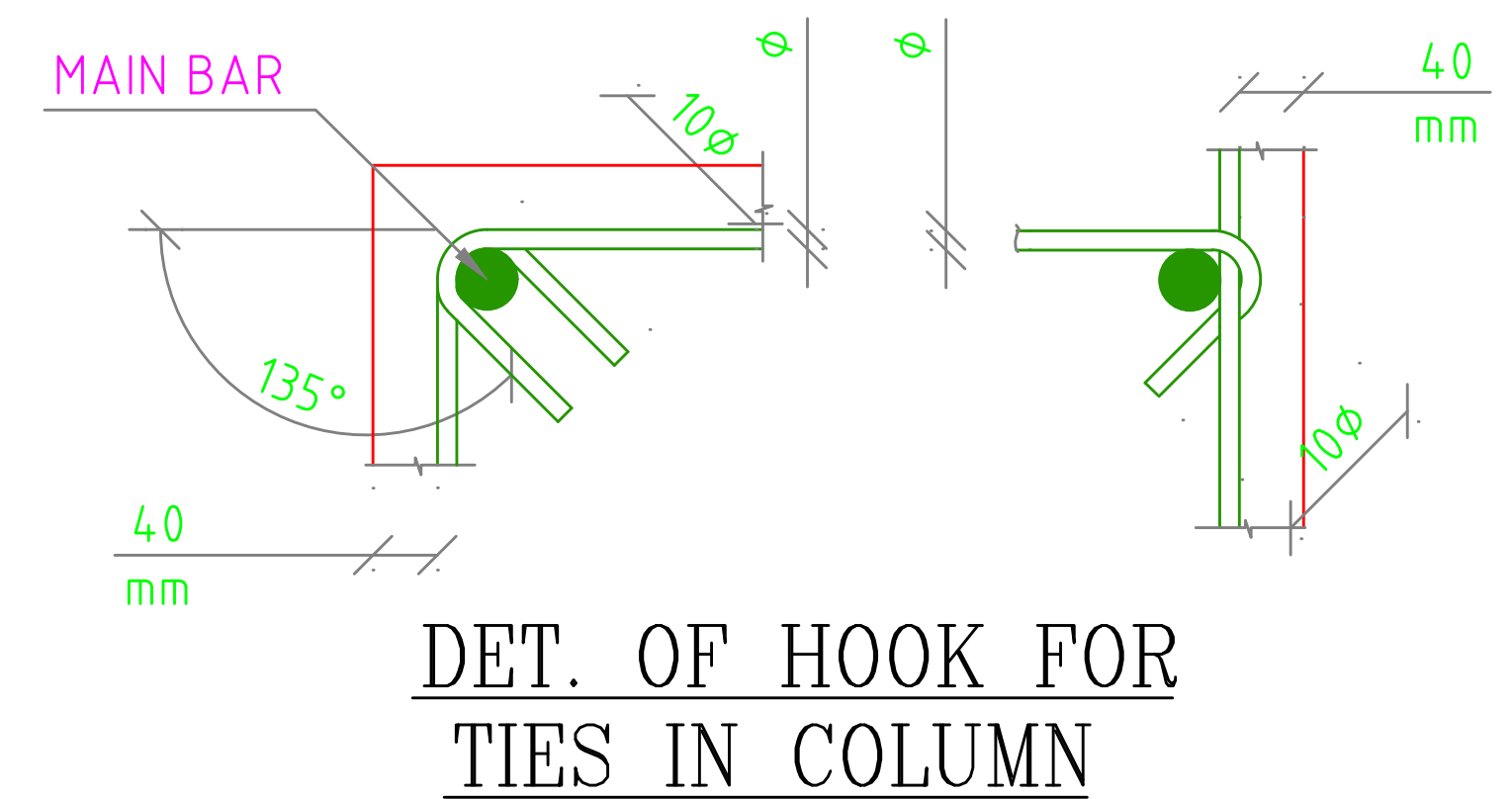


**LEGEND**

DB - DEPTH OF THE BEAM.

Ø - DIA OF TIES.

H - CLEAR HEIGHT OF COLUMN

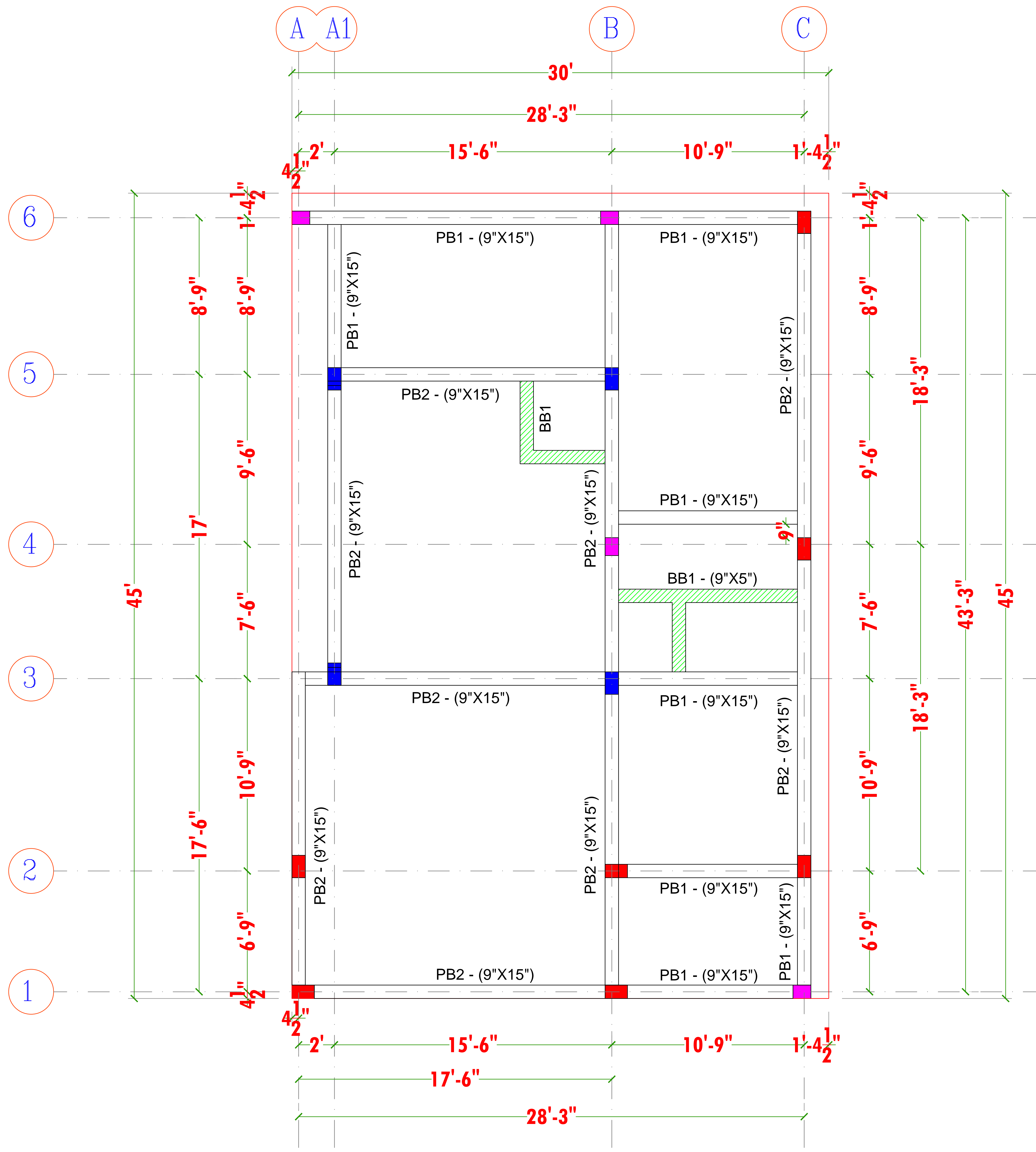


**SCHEDULE OF COLUMN**

COLUMN TAG	C1 (0'9"x1'0")	C2 (0'9"x1'3")	C3 (0'9"x1'3")
NOs	4	7	4
SHAPE			
MAIN REINF.	(a) - 4-Y16 (b) - 2-Y12	(a) - 4-Y16 (b) - 4-Y12	(a) - 4-Y16 (b) - 2-Y12
TIES			
	8# - 6" C/C		

**COLUMN DETAILS**





**Details**

**PB - 9" x 1'3"**

**TITLE:**

**PLINTH BEAM PLAN**

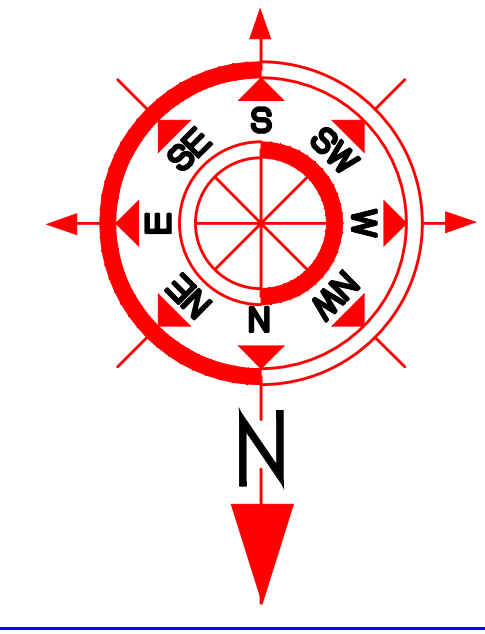
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**PROJECT TITLE:**

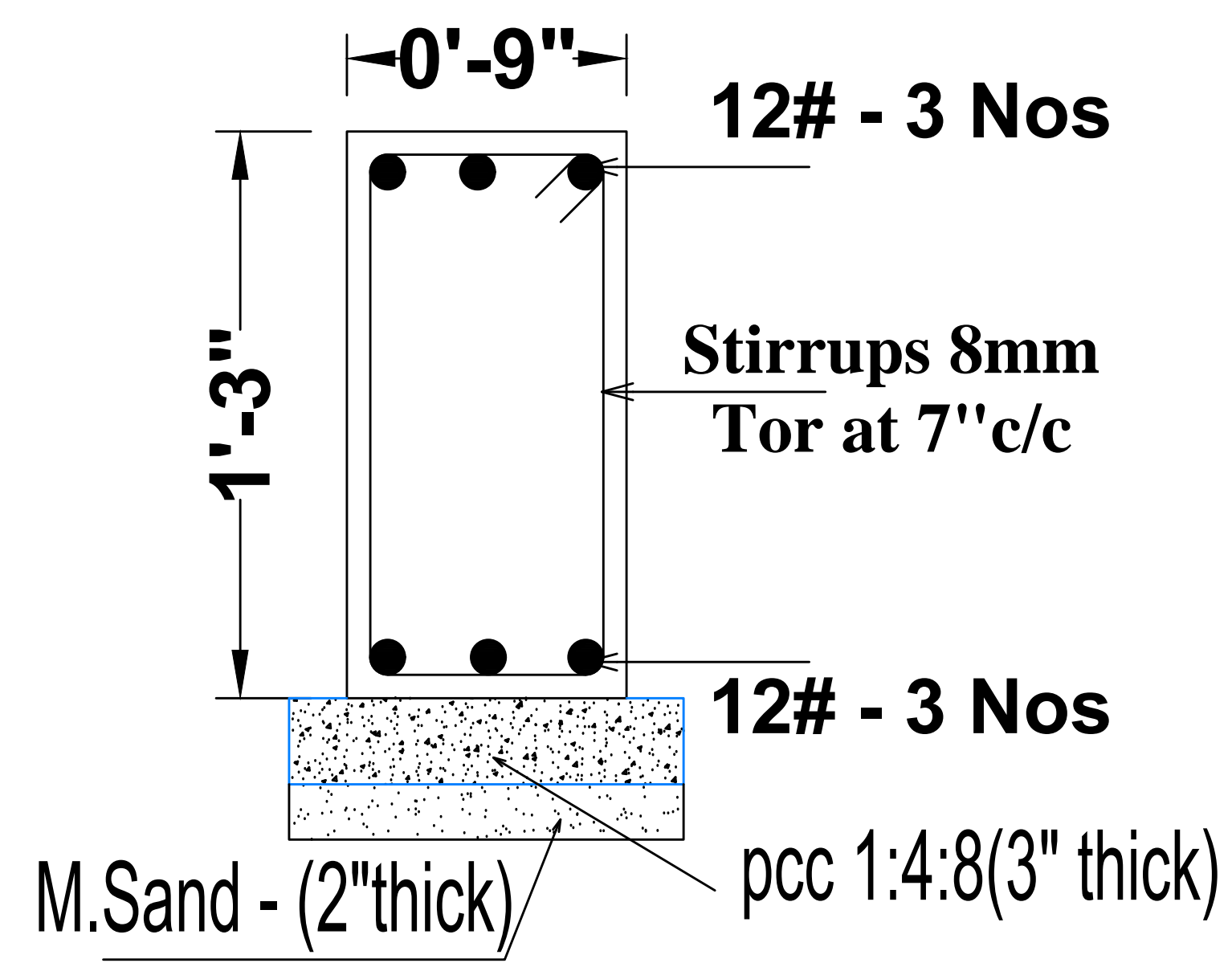
**RESIDENTIAL BUILDING**

**CLIENT**

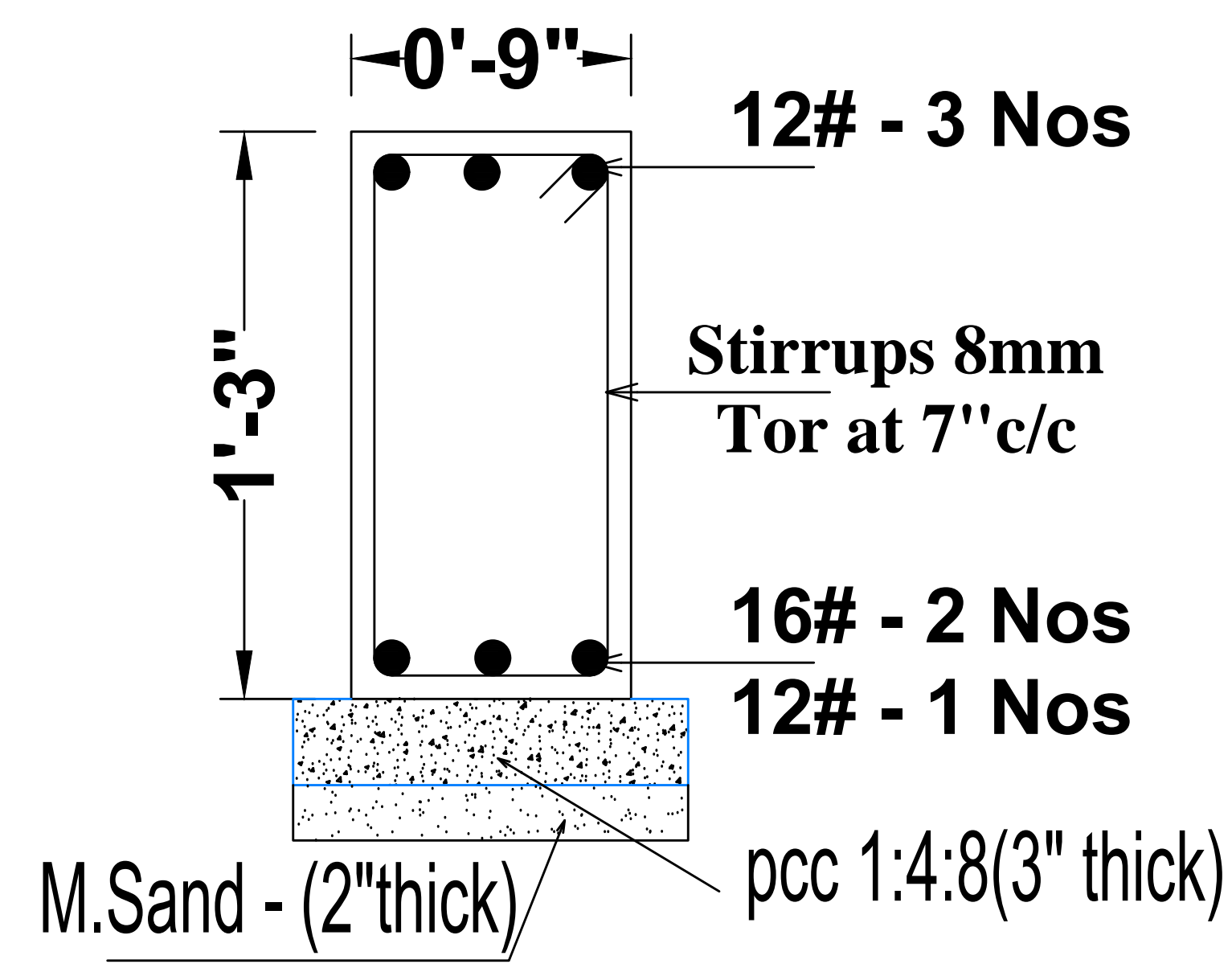


**ENGINEER**





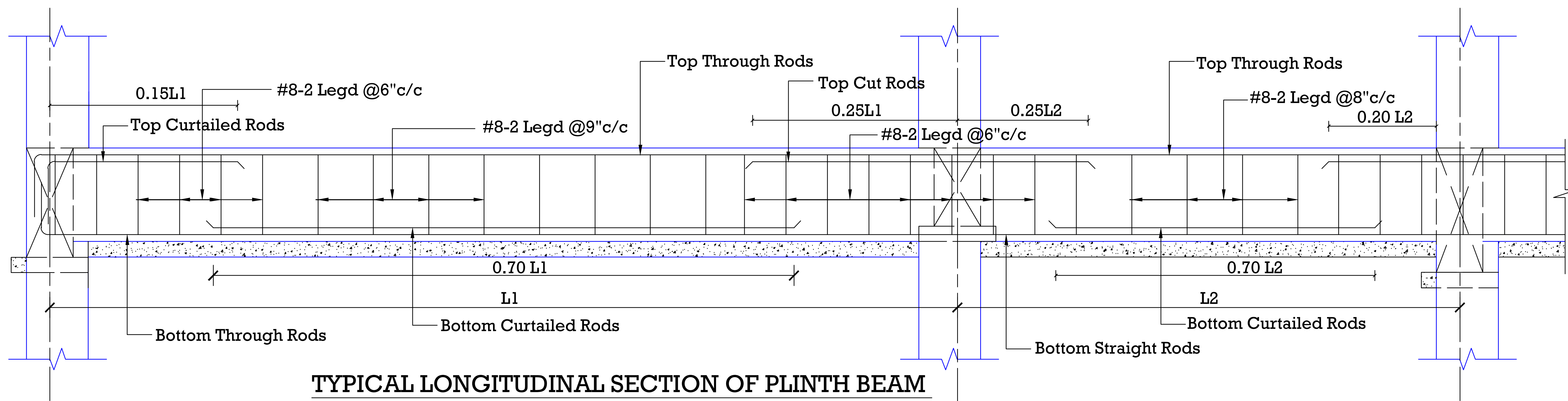
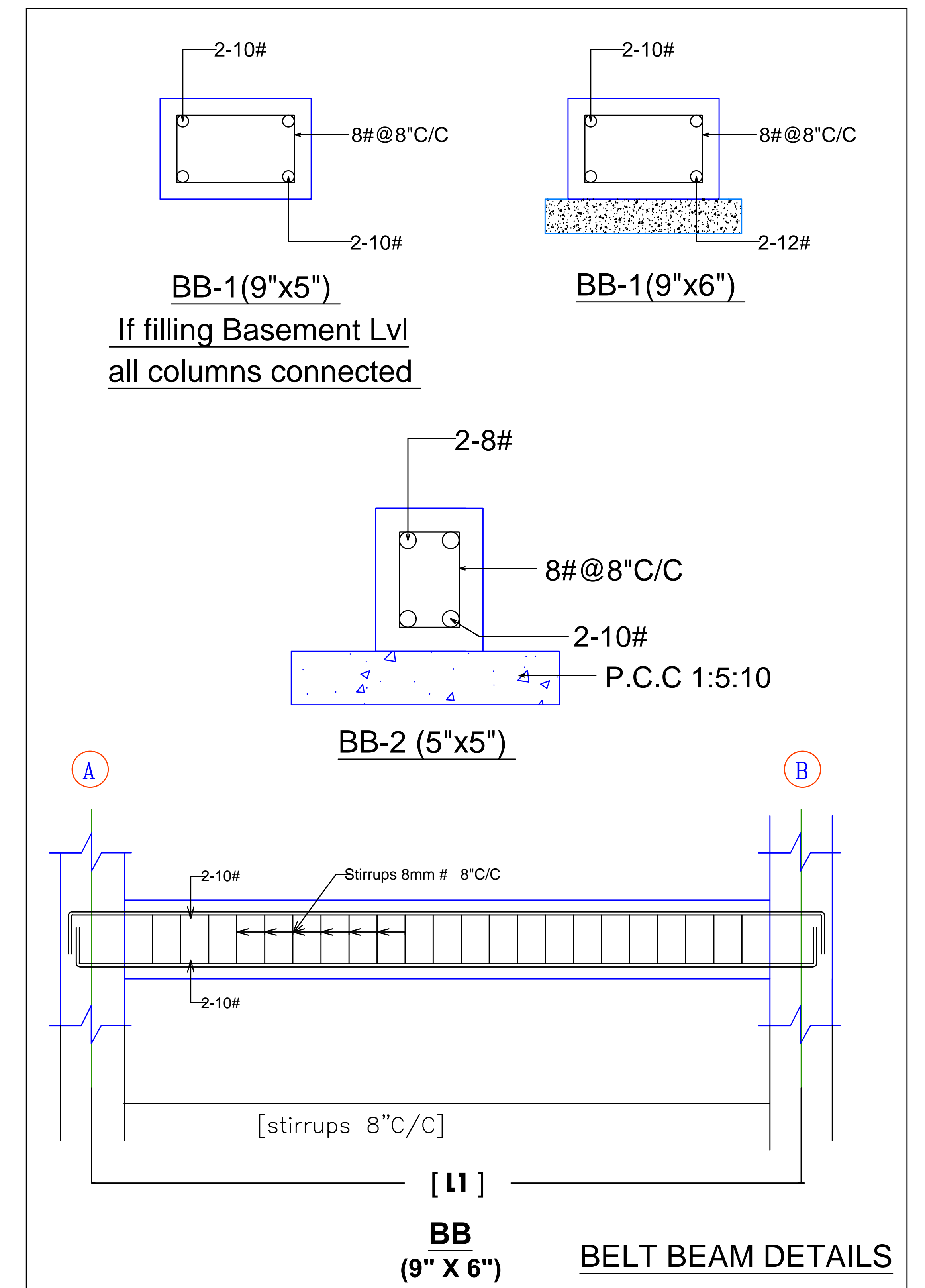
**Plinth Beam (PB-1)**  
**9" X 1'3"**



**Plinth Beam (PB-2)**  
**9" X 1'3"**

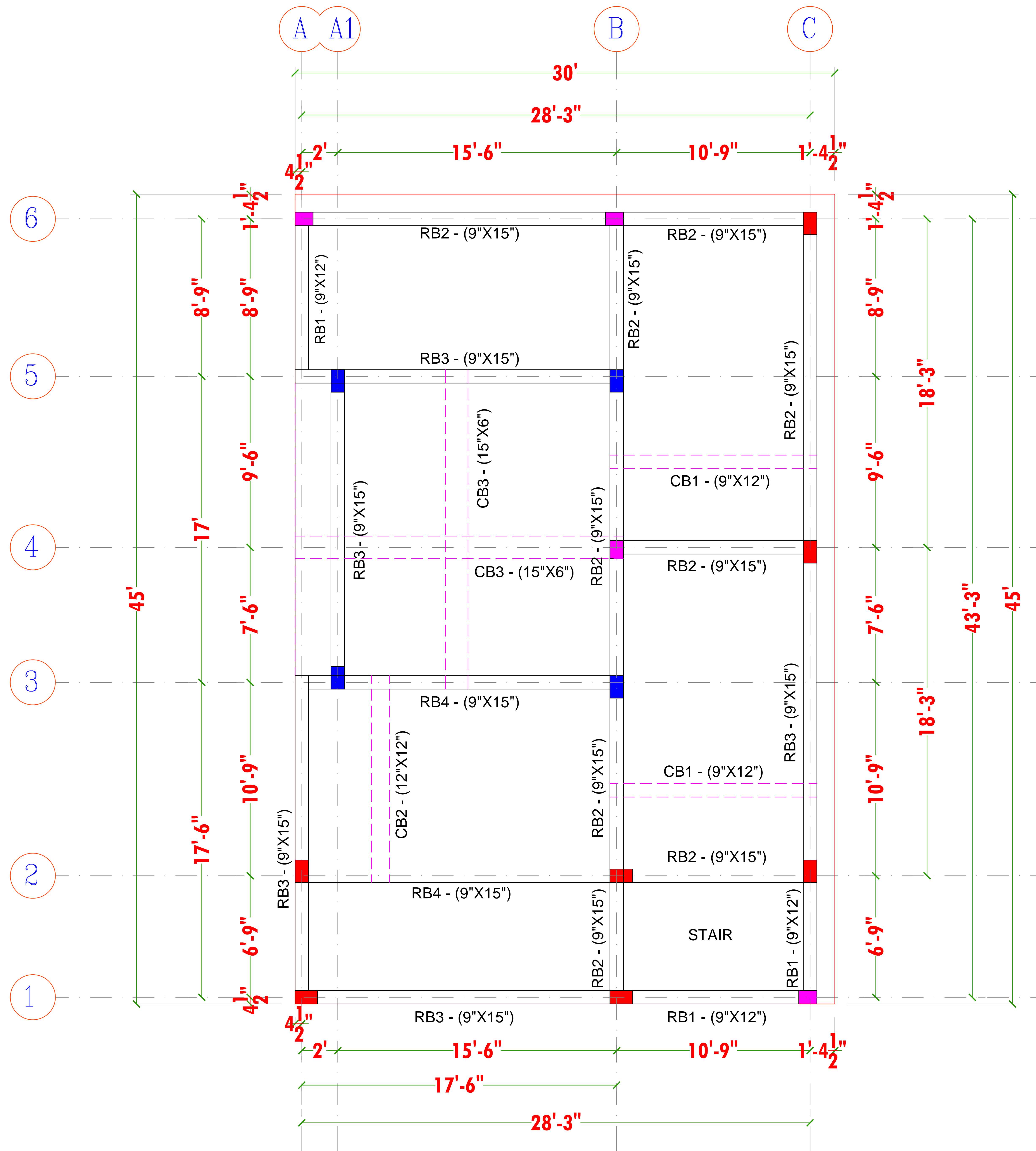
COVER REINFORCEMENT		
BEAMS :	BOTTOM & TOP	1"
	SIDES & ENDS	1"

GRADES	
CONCRETE	M20 (USE MIN CEMENT CONTENT OF 300 KG PER CU.M)
STEEL	Fe 500/Fe500D



**TYPICAL LONGITUDINAL SECTION OF PLINTH BEAM**

# PLINTH BEAM DETAILS



**Details**

**RB - 9" x 1'0"**  
**RB - 9" x 1'3"**

**TITLE:**

**ROOF BEAM PLAN**  
**Ground Floor**

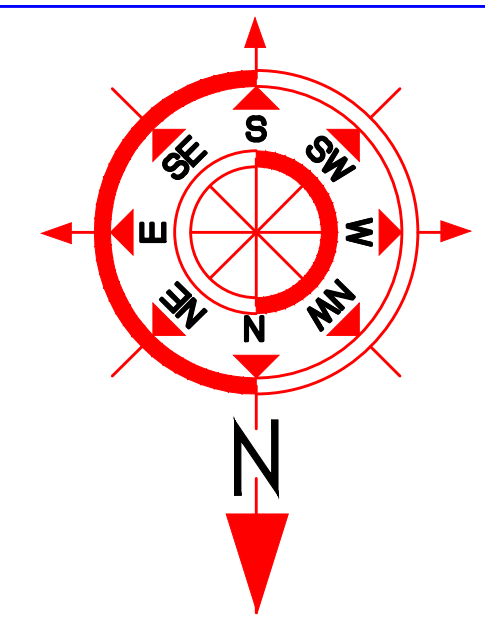
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- FOOTING -50MM
- COLUMN-40MM
- BUILDING IS DESIGN FOR G+2 FLOORS

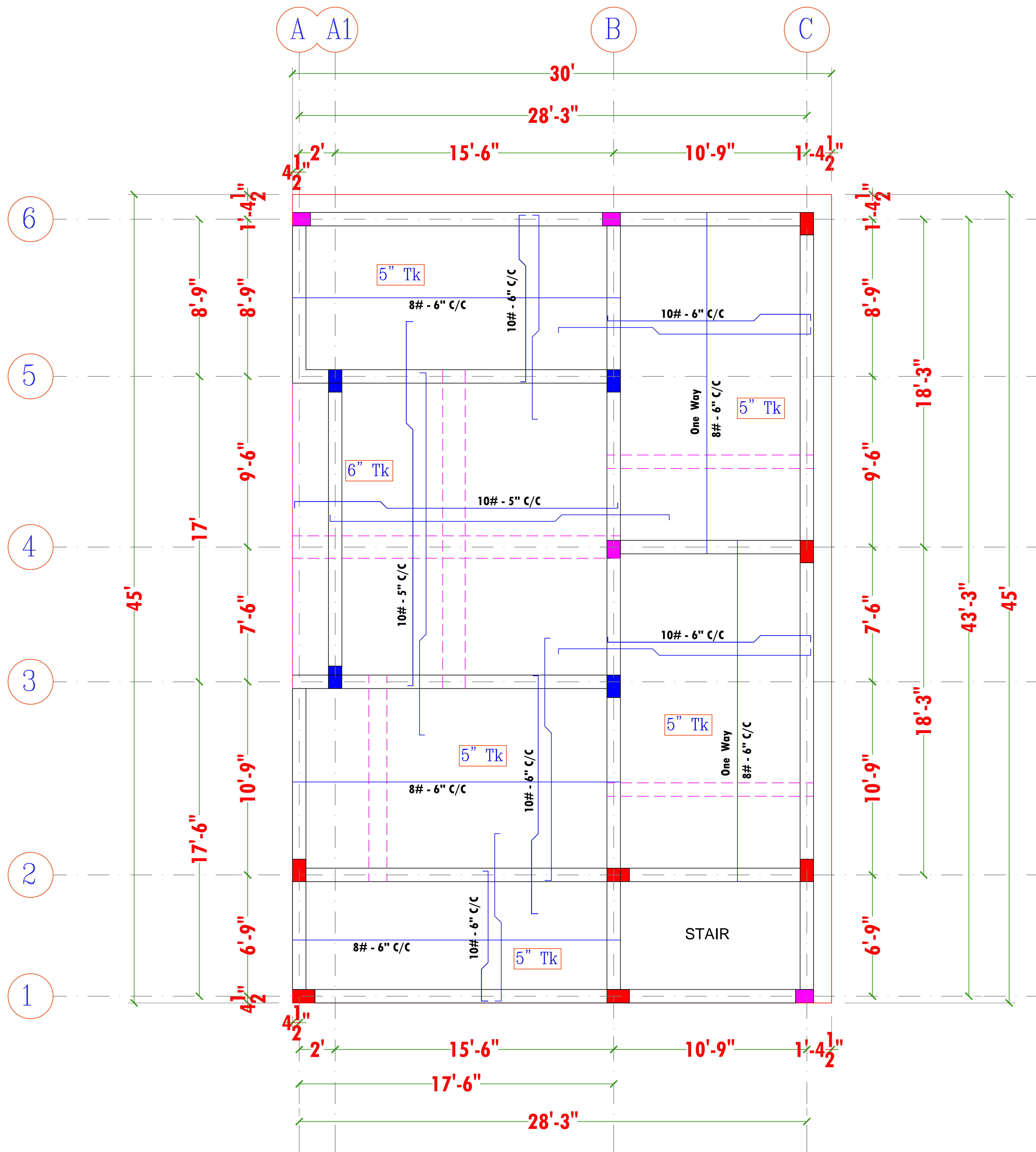
**PROJECT TITLE:**

**RESIDENTIAL BUILDING**

**CLIENT**



**ENGINEER**



**Details**

**RB - 9" x 1'0"**  
**RB - 9" x 1'3"**

**TITLE:**

ROOF SLAB PLAN

**Ground Floor**

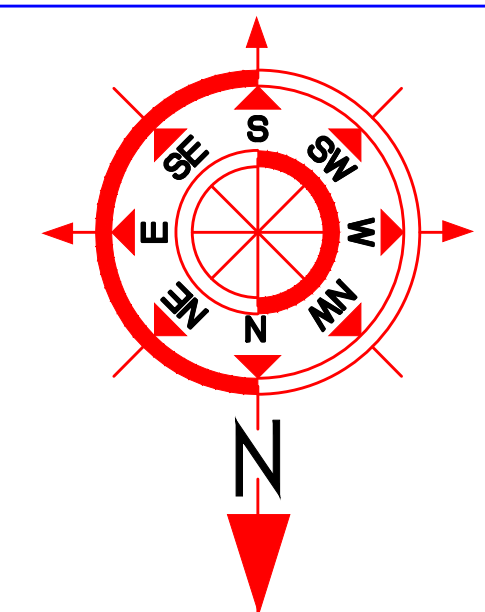
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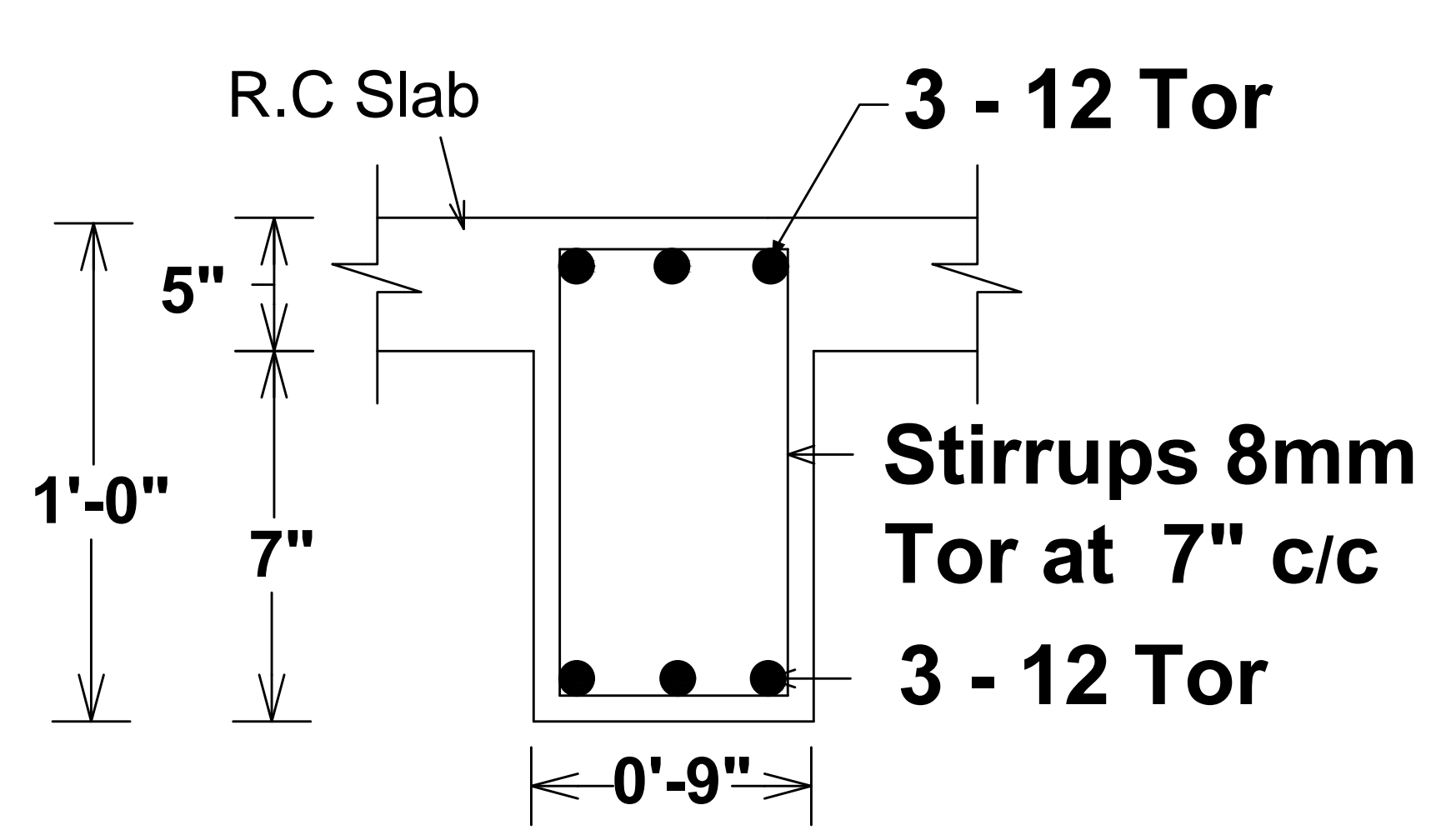
**RESIDENTIAL BUILDING**

**CLIENT**

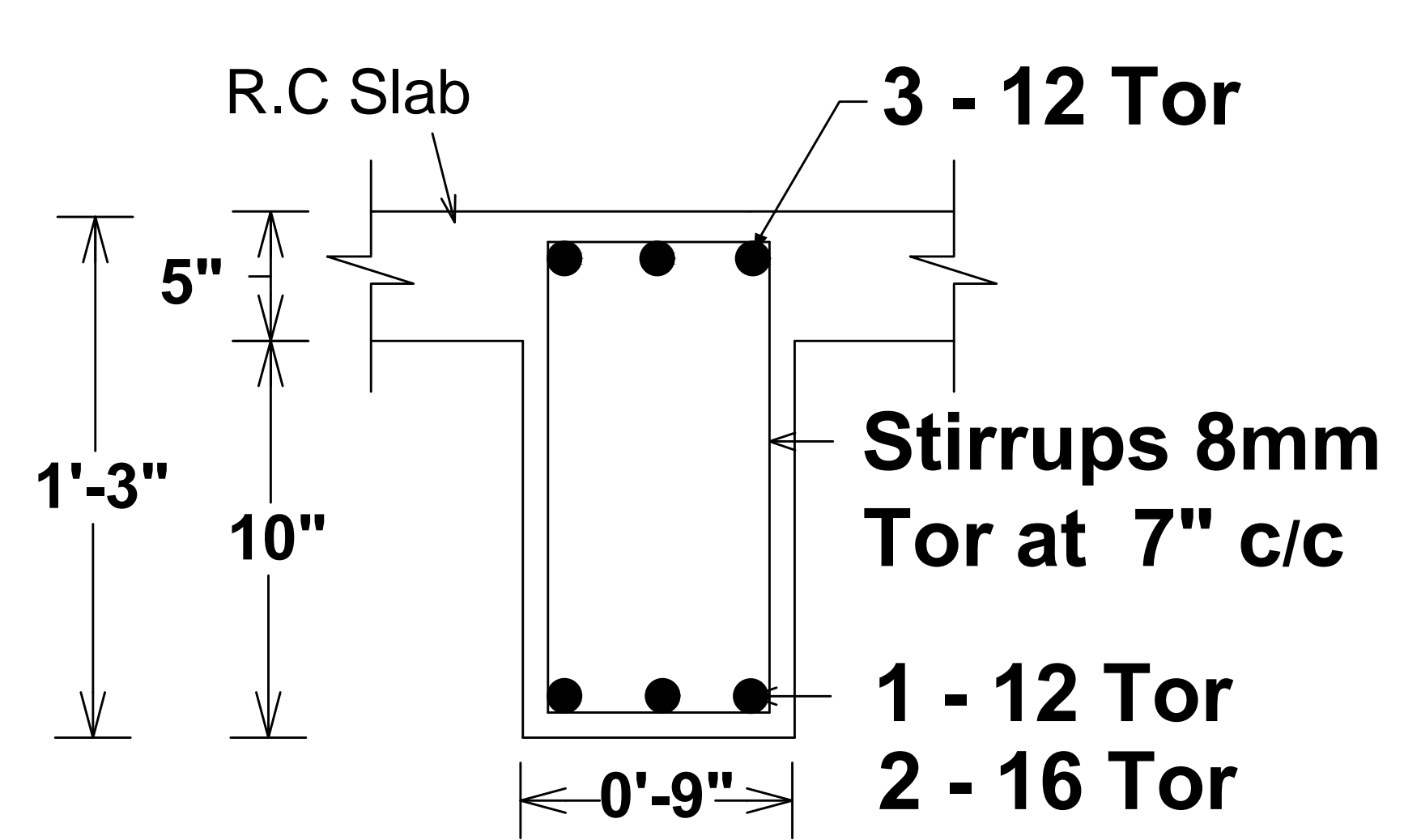


**ENGINEER**

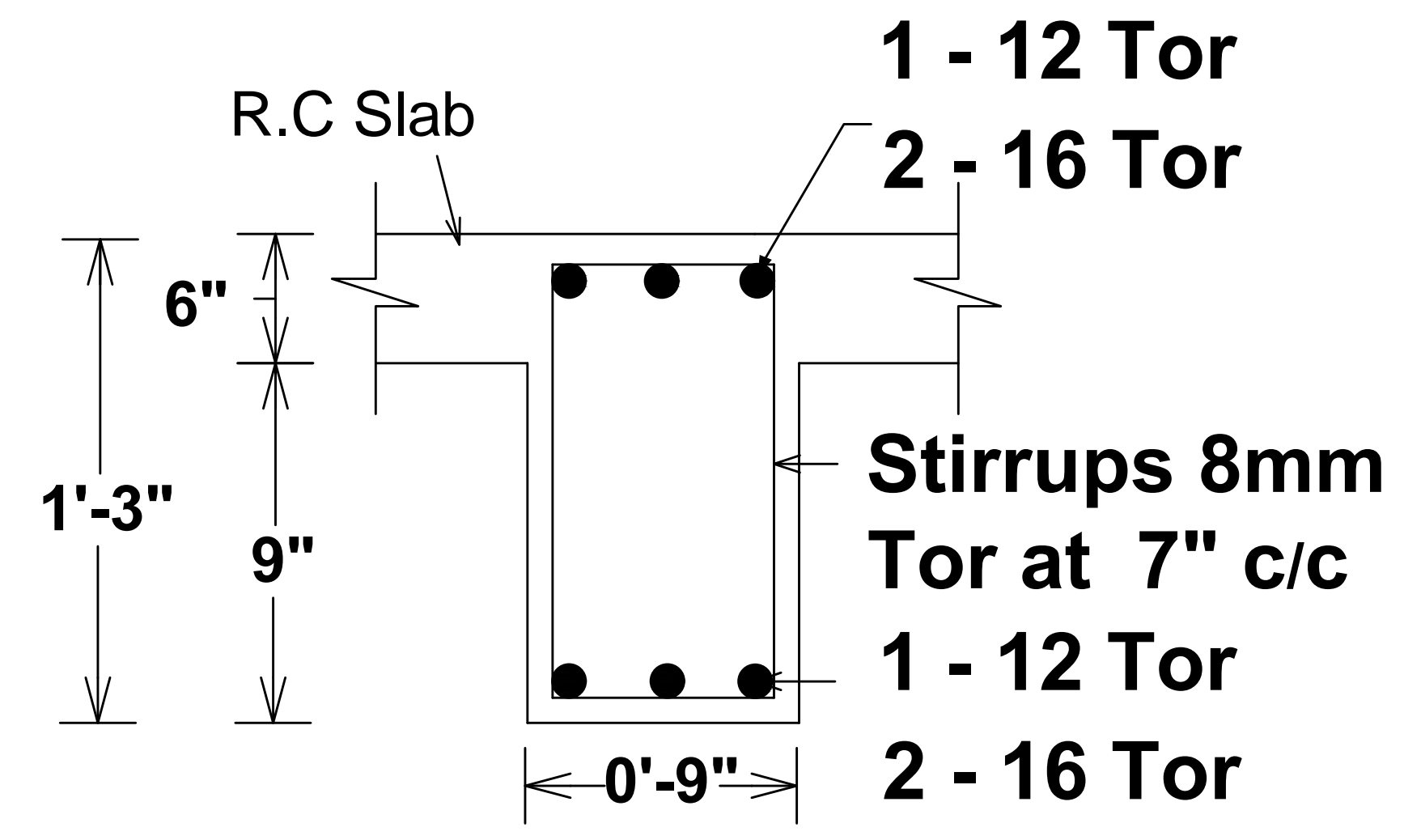




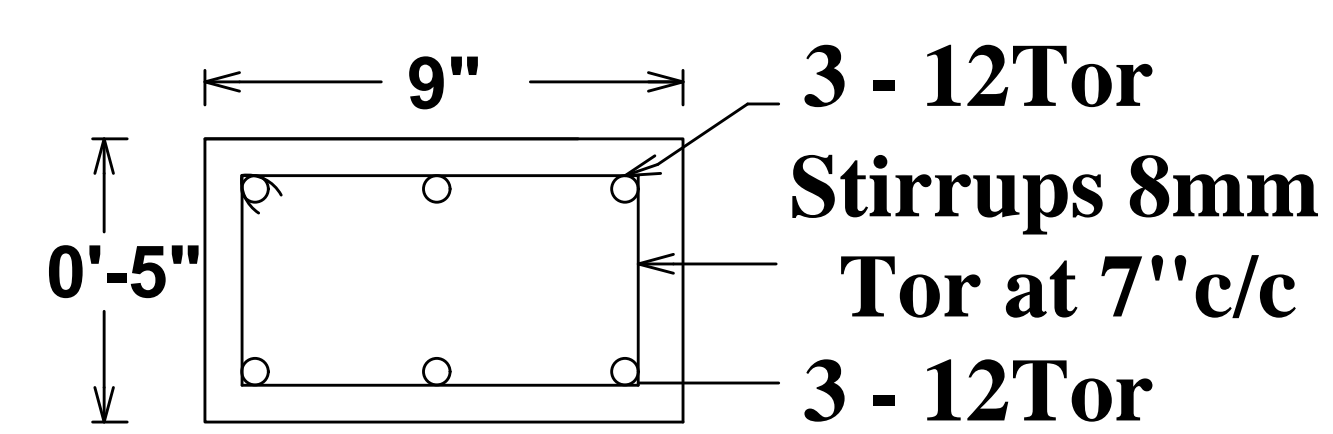
**RB-1**  
**9" X 1'0"**



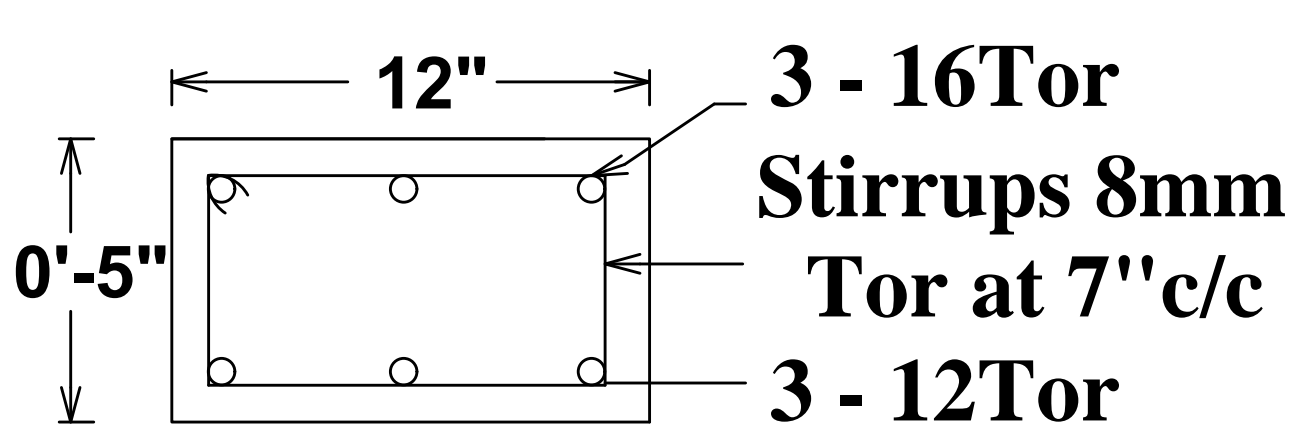
**RB-2**  
**9" X 1'3"**



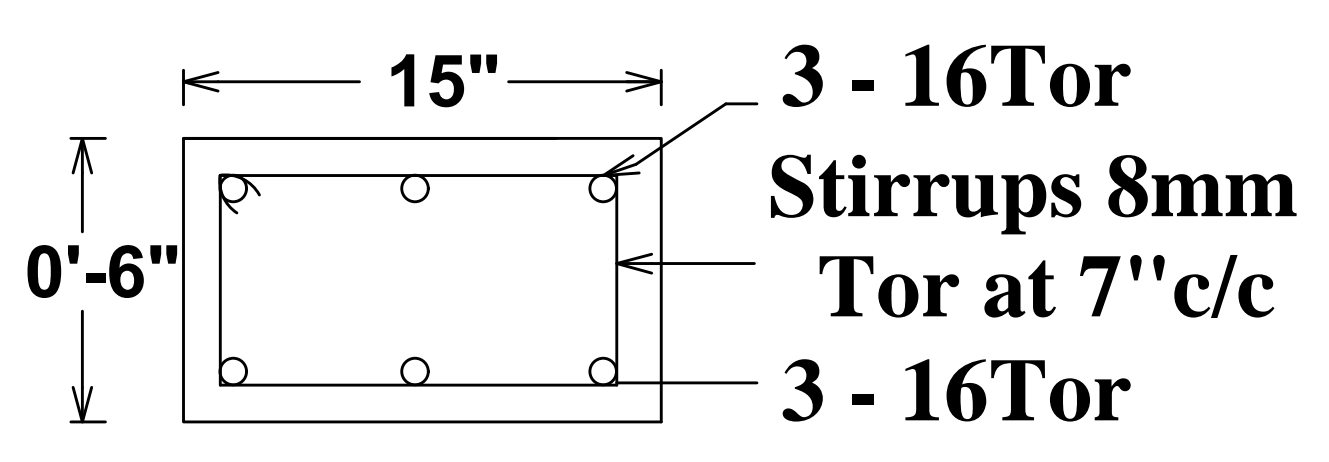
**RB-3**  
**9" X 1'3"**



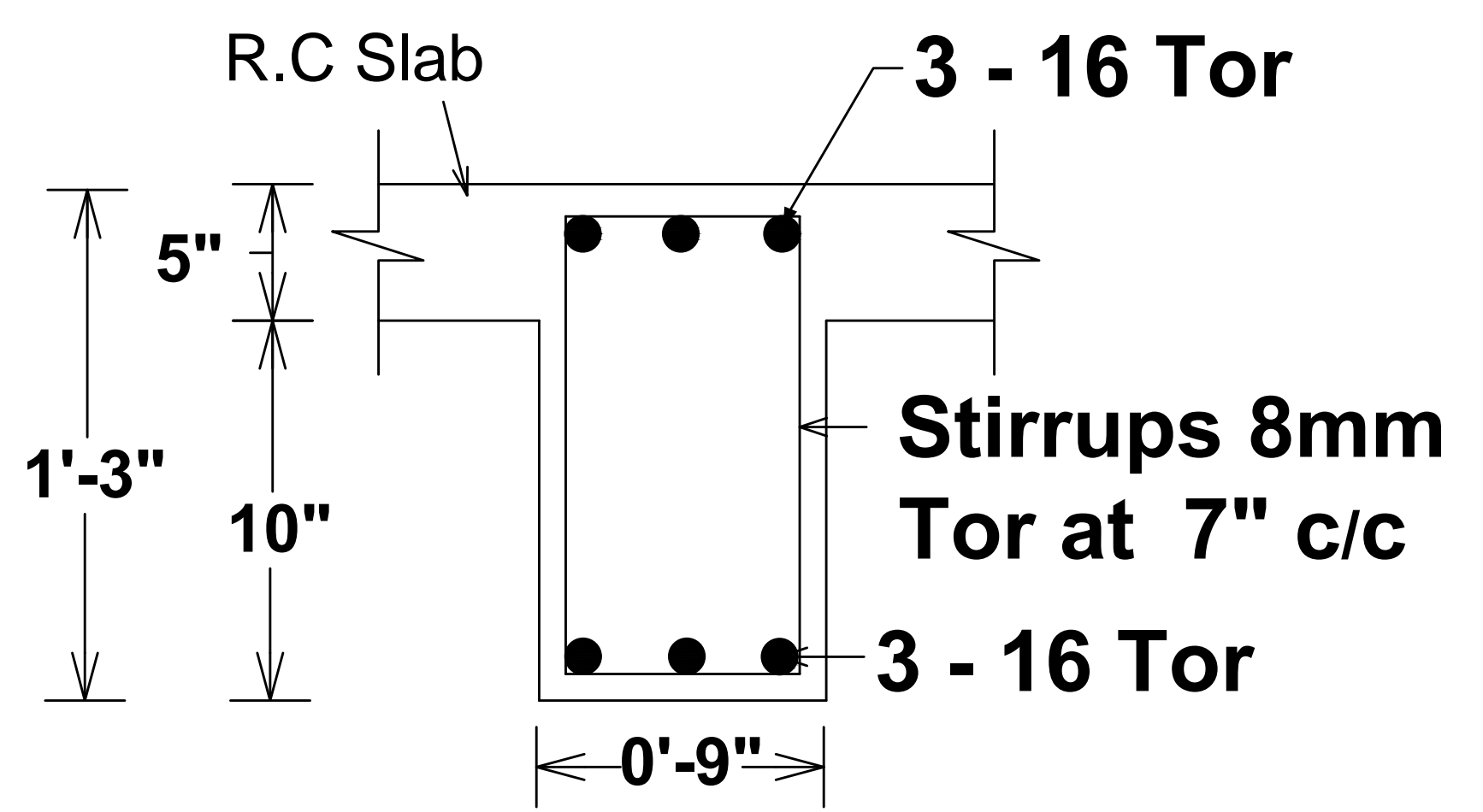
**CB -1**  
**9" X 5"**



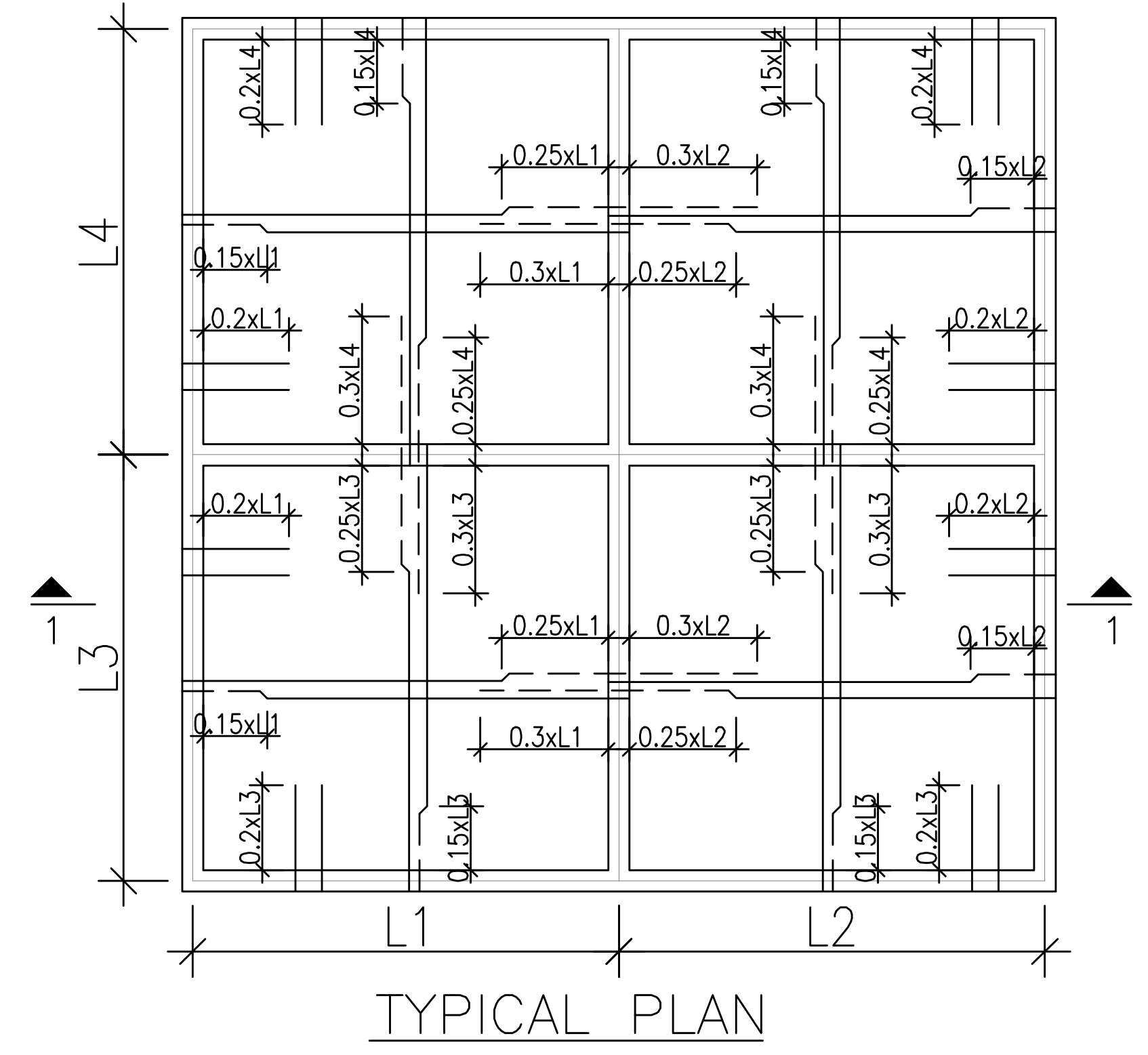
**CB -2**  
**12" X 5"**



**CB -3**  
**(15" X 6")**



**RB-4**  
**9" X 1'3"**



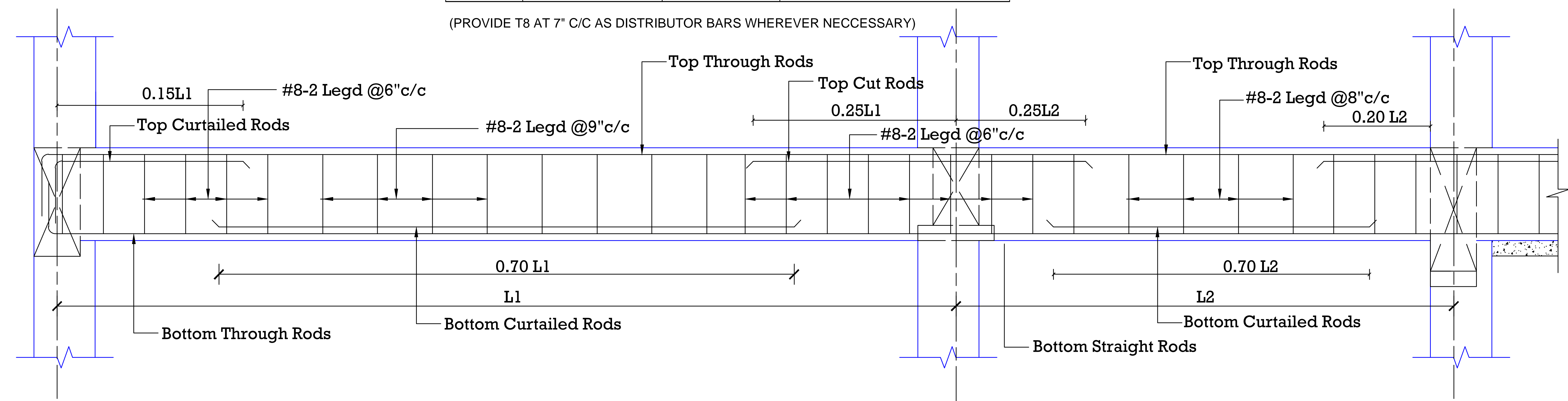
TYPICAL PLAN

COVER REINFORCEMENT		
BEAMS :	BOTTOM & TOP	1"
	SIDES & ENDS	1"

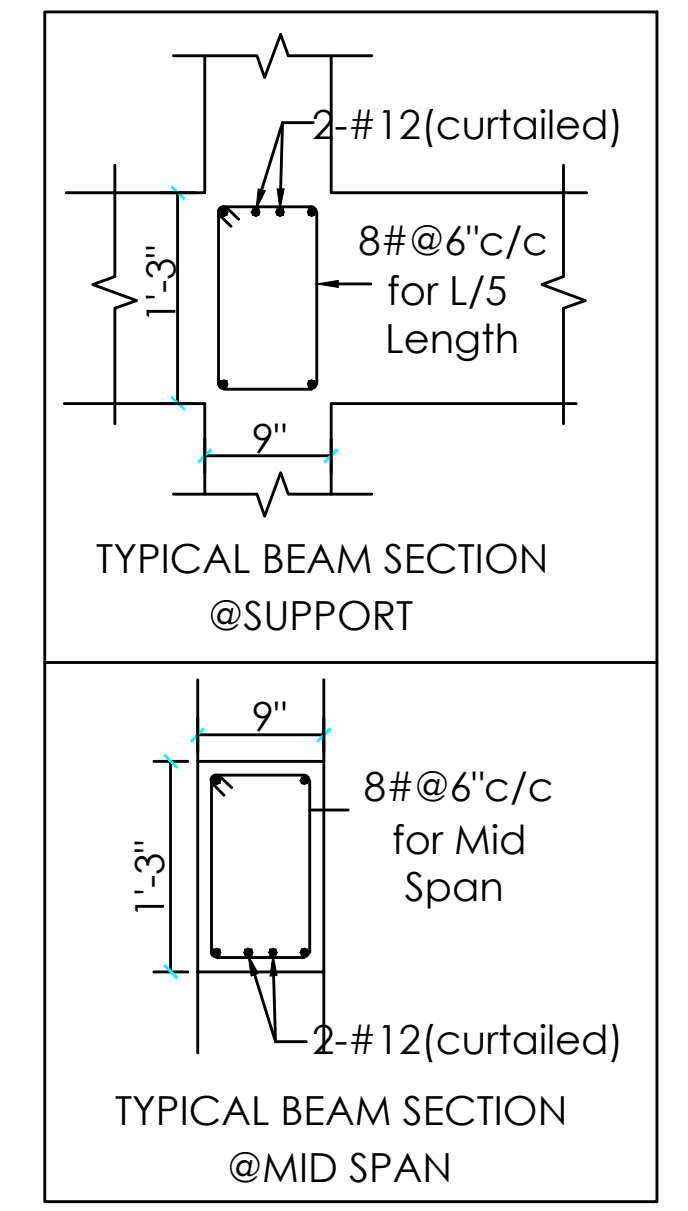
S. NO.	SLAB ID	THICKNESS	REINFORCEMENT
1	(TWO WAY)	6"	T10 AT 5" C/C (BOTHWAYS)
2	(ONE WAY)	5"	10Y @ 6" c/c (Shorter Direction @ Top) 8Y @ 6" c/c (Longer Direction Top & Bottom)

GRADES	
CONCRETE	M20 (USE MIN CEMENT CONTENT OF 300 KG PER CU.M)
STEEL	Fe 500/Fe500D

(PROVIDE T8 AT 7" C/C AS DISTRIBUTOR BARS WHEREVER NECESSARY)



TYPICAL LONGITUDINAL SECTION OF ROOF BEAM



**GROUND FLOOR**

**ROOF BEAM AND SLAB DETAILS**