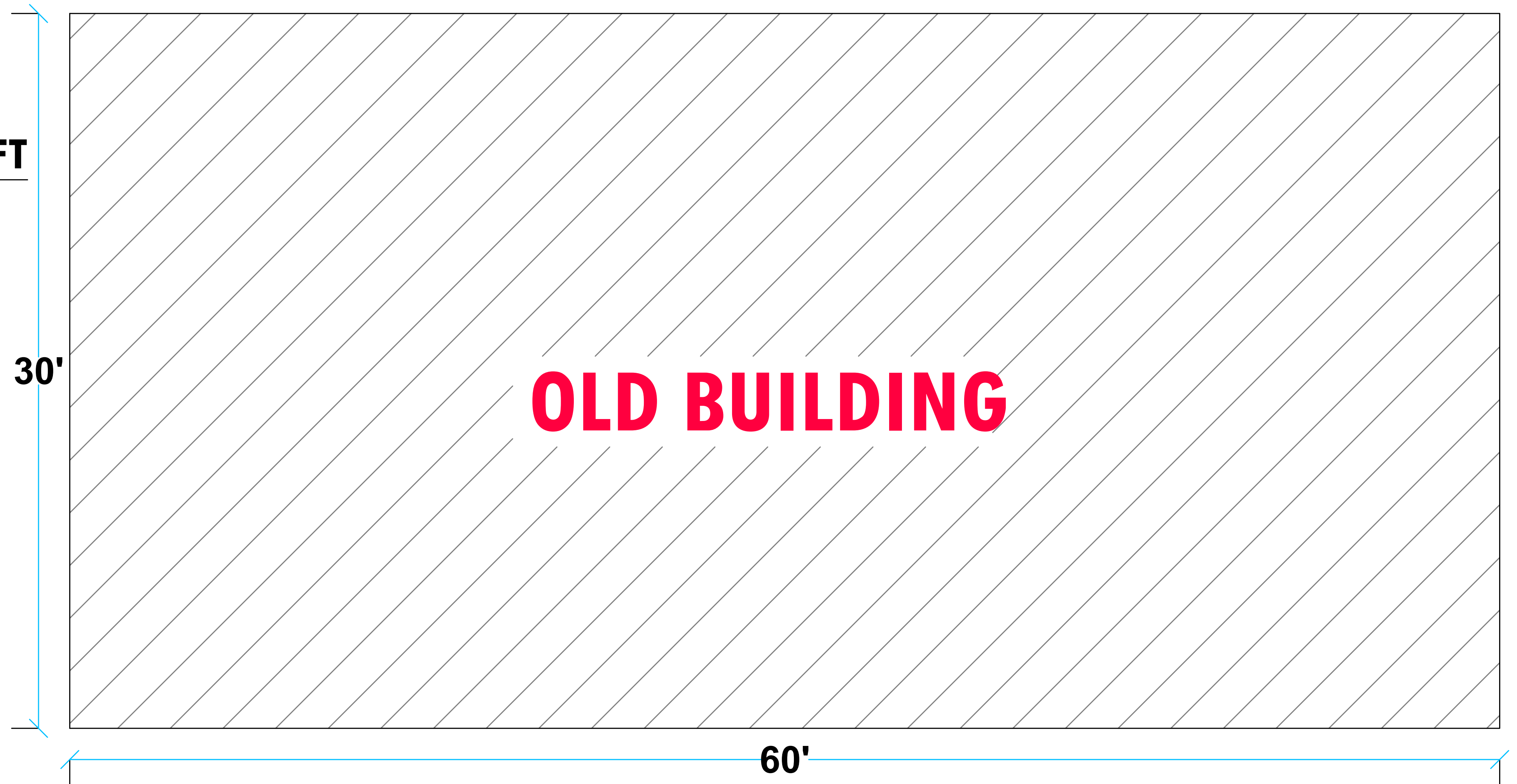
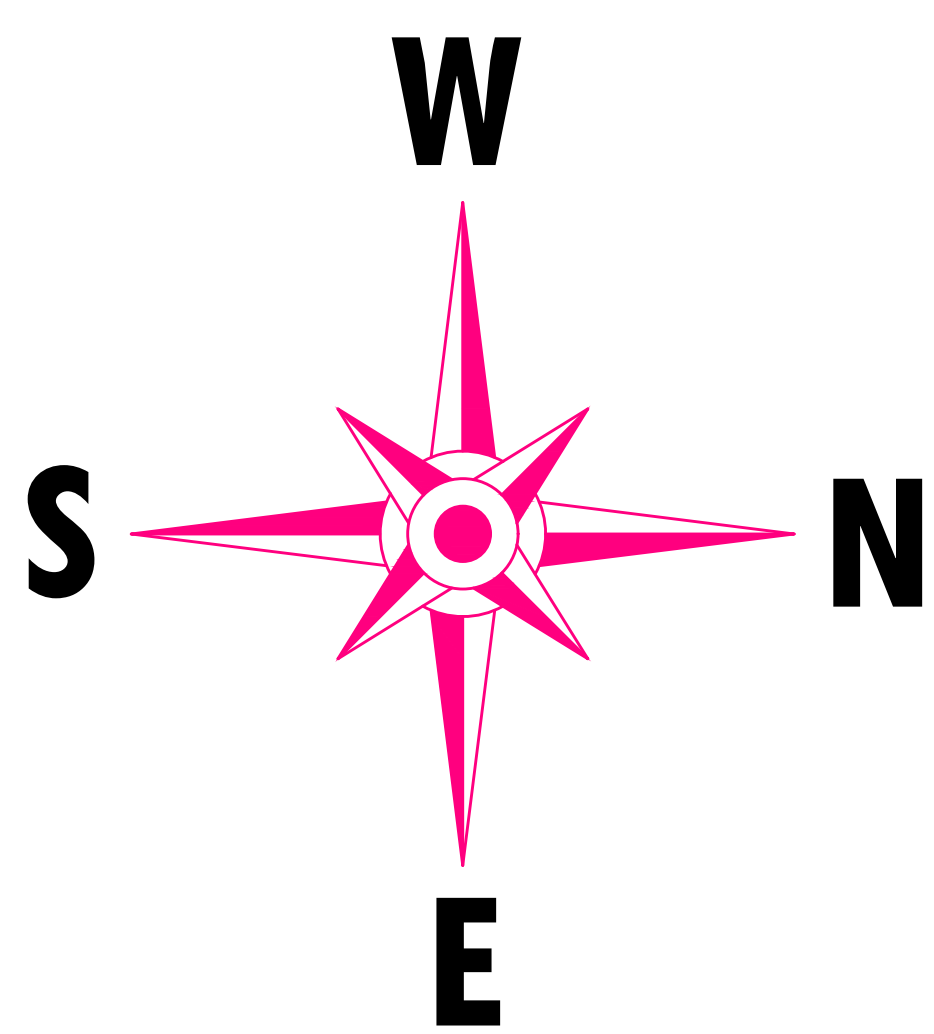
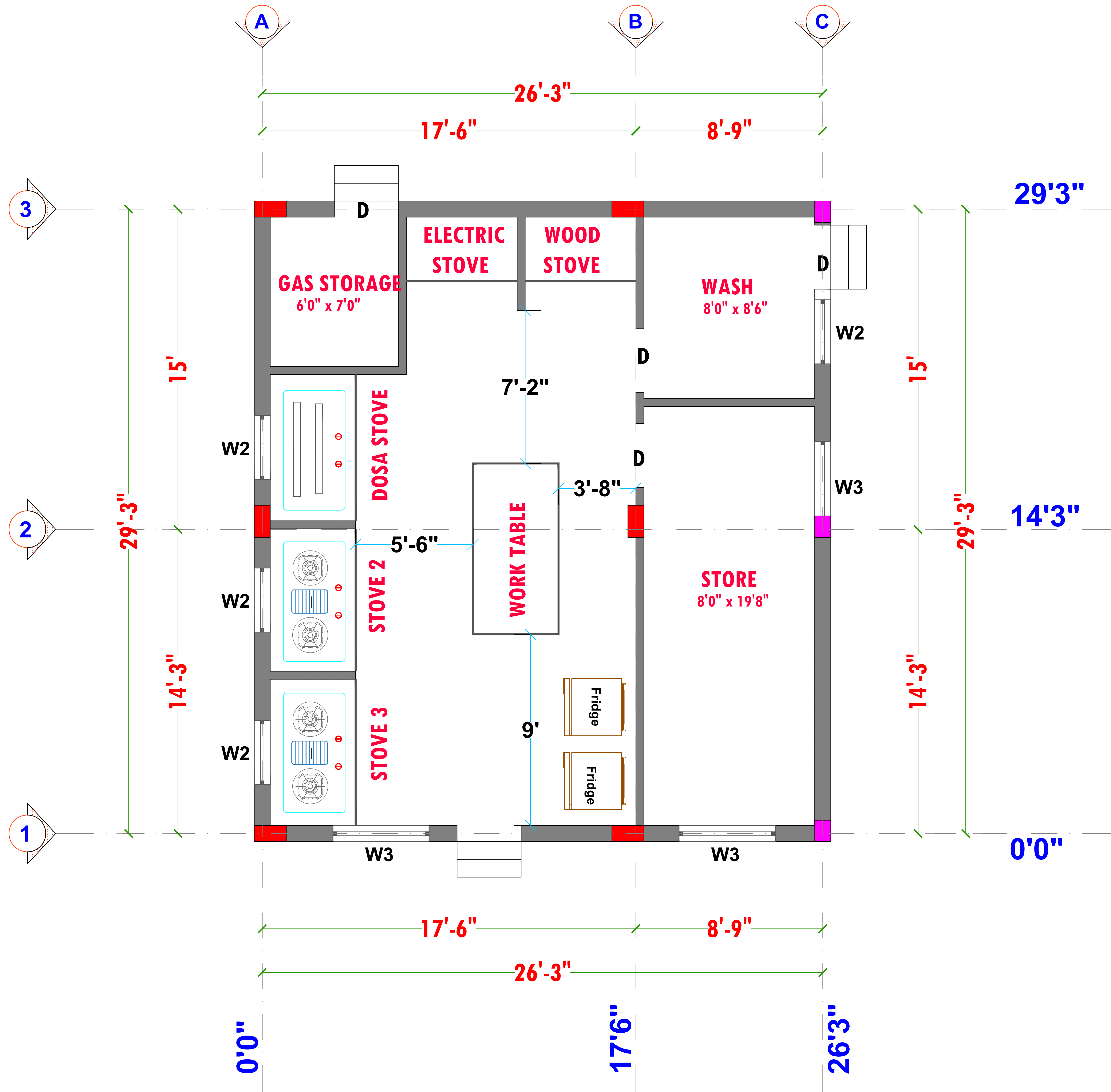


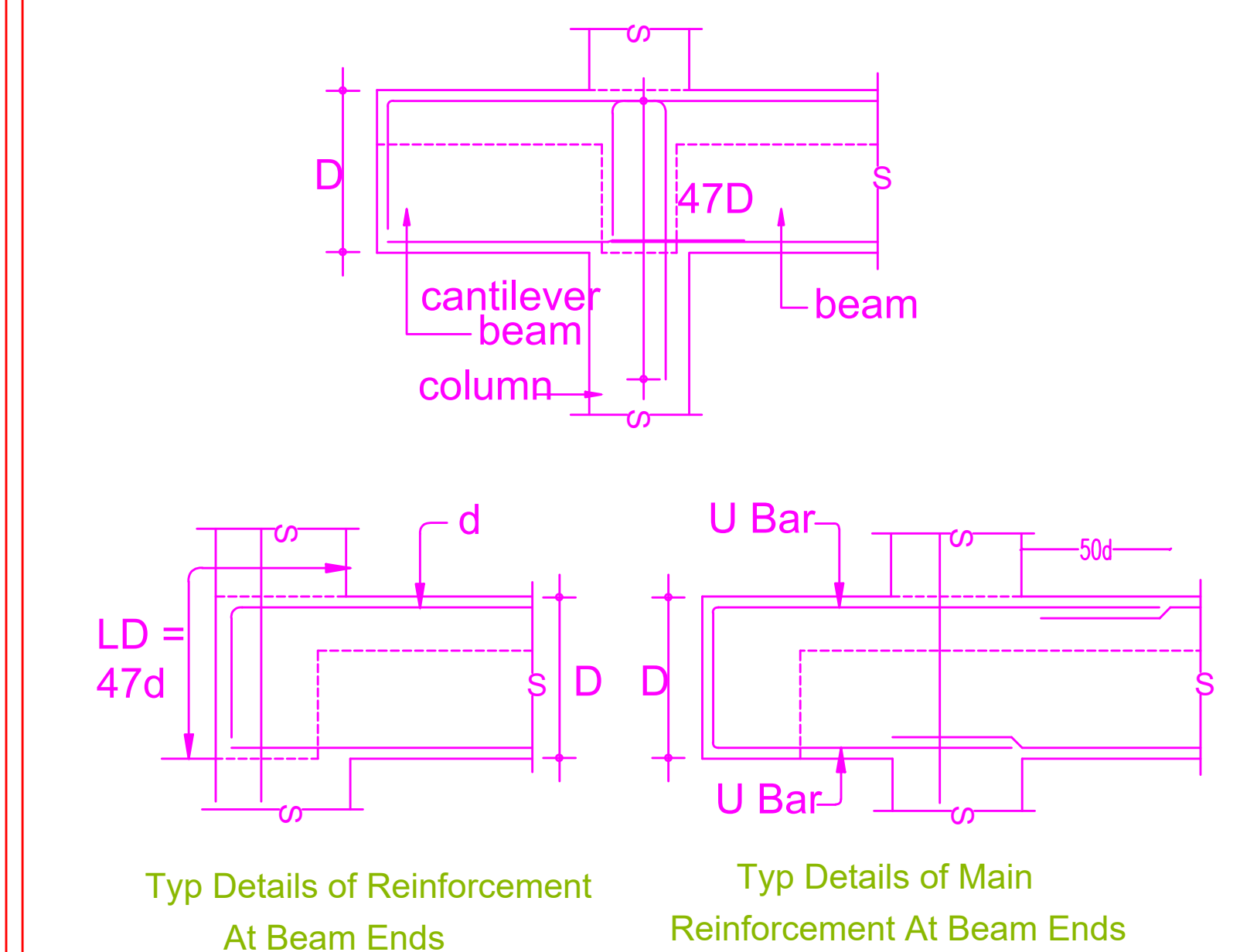
GROUND FLOOR PLAN
TOTAL BUILD UP AREA = 810 SQFT



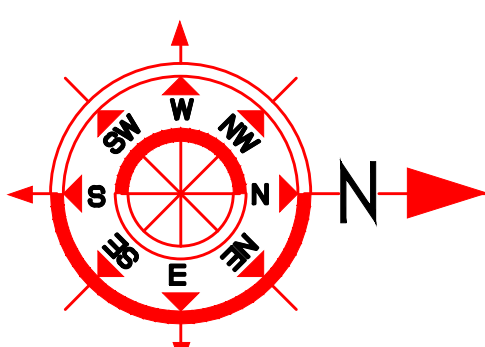


Note:

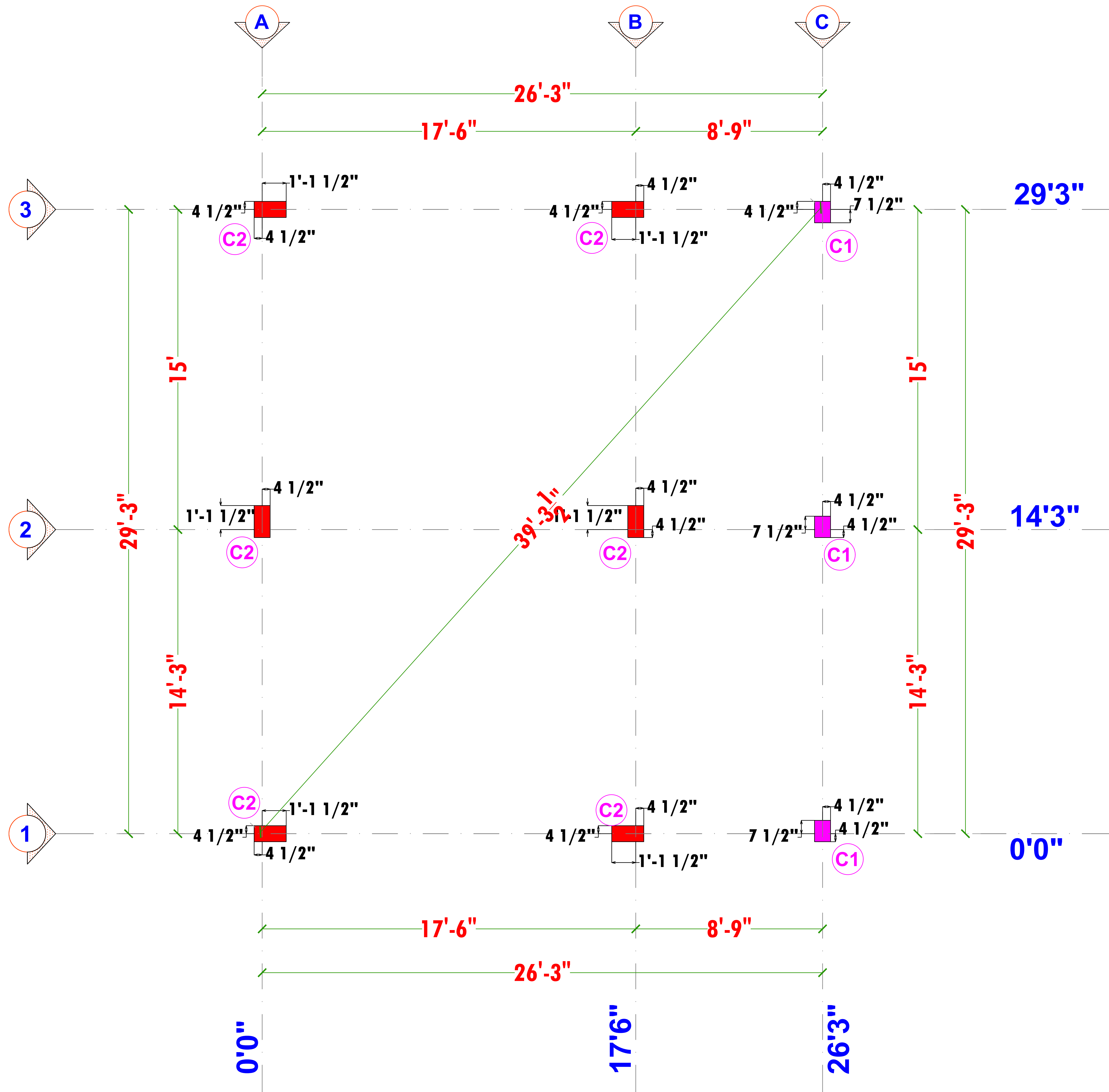
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3. Y Denotes TOR40 Steel conforming to I.S. 1786 - 1985. Grade - Fe 500 / 550
4. Clear cover to the main steel
2" for Footings , Raft Beam , Raft Slab.
1" for Columns.
1" for Plinth beam, Lintel & Beams.
0.5" for Sunshade & Slab.
5. Lap length shall be 50 d (Max.dia) for all bars.
6. ——— Bottom Reinforcement
7. - - - - - Top Reinforcement
8. Provide Continuous Chairs to keep the top Reinforcement in position
9. Provide Y8 at 12" as Distribution steel for all top Reinforcement.
10. Spacer Bar to be Provided in Between Two Layers Of Reinforcement of Same Dia at Every 3'-0" C/ C.
11. Not more than 40% of Reinforcement shall be Lapped at any particular junction.
12. Structural is designed for GROUND + 1 FLOOR
13. S.B.C.of Soil is taken as 26 t/sq.m² at 6'-0" depth from N.G.L as per client suggestion.
14. Cantilever props should not be released until the roof is concreted.
15. Removal of formworks :
i) for slabs :
a. Slabs spanning upto 4.5 m (15'-0") - 7 days
b. Slabs spanning over 4.5 m (15'-0") - 14 days
ii) for beams and arches :
c. Beams and arches spanning upto 6 m (20'-0") - 14 days
d. Beams and arches spanning over 6 m (20'-0") - 21 days
16. For all Window openings 2" Th Sill Plate Should be Provided at Sill Lvl with 12" Bearing on either side of opening.



TYPE	SIZE	NOS
 C1	0'9" X 1'-0"	03
 C2	0'9" X 1'-6"	06

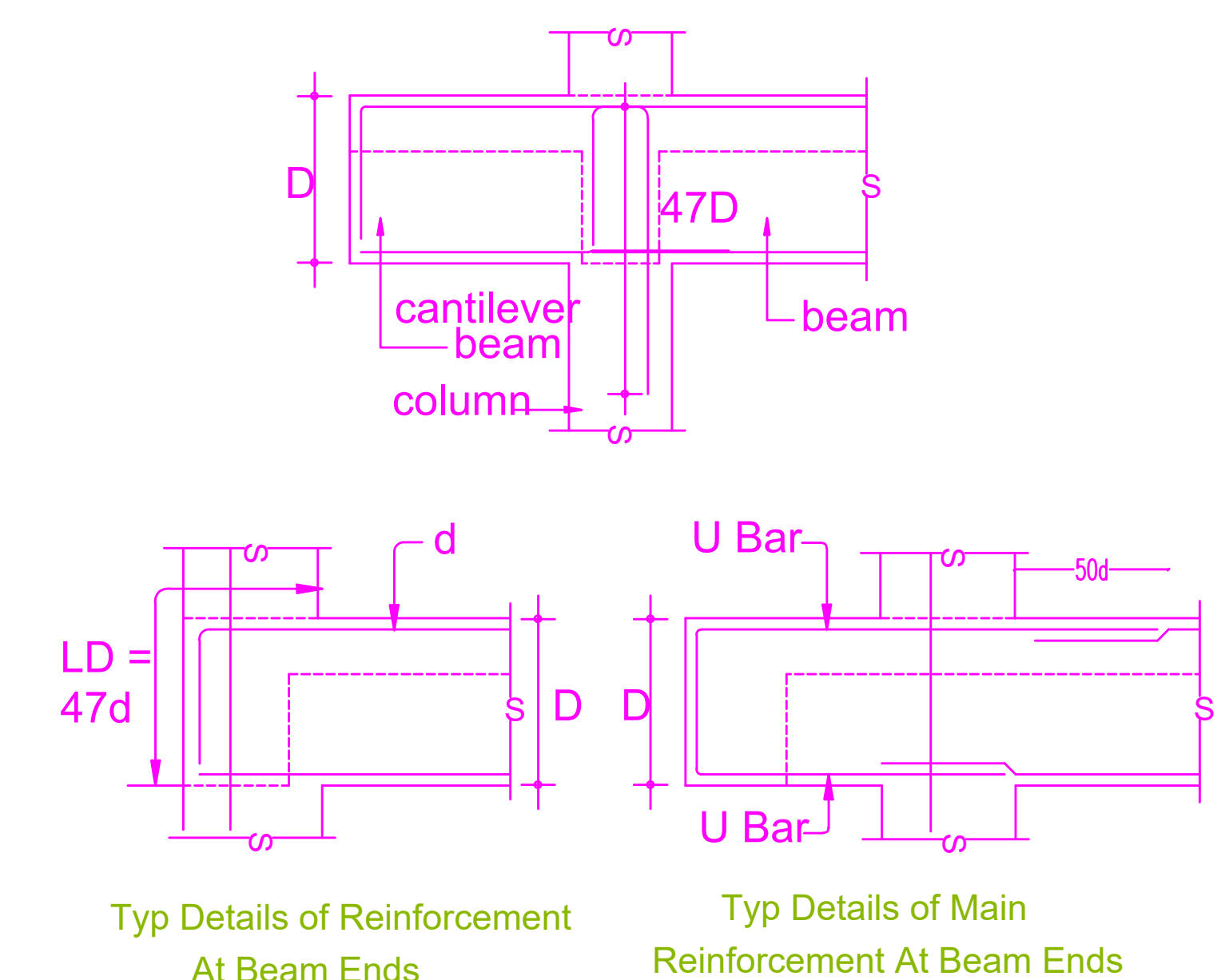


COLUMN LAYOUT PLAN

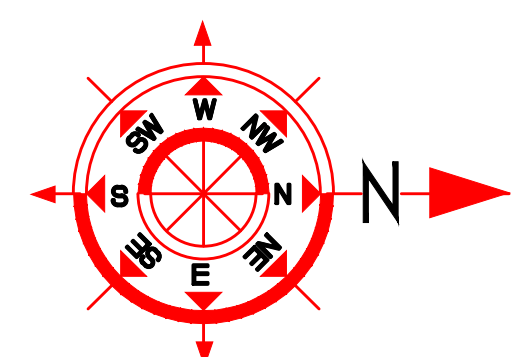


Note:

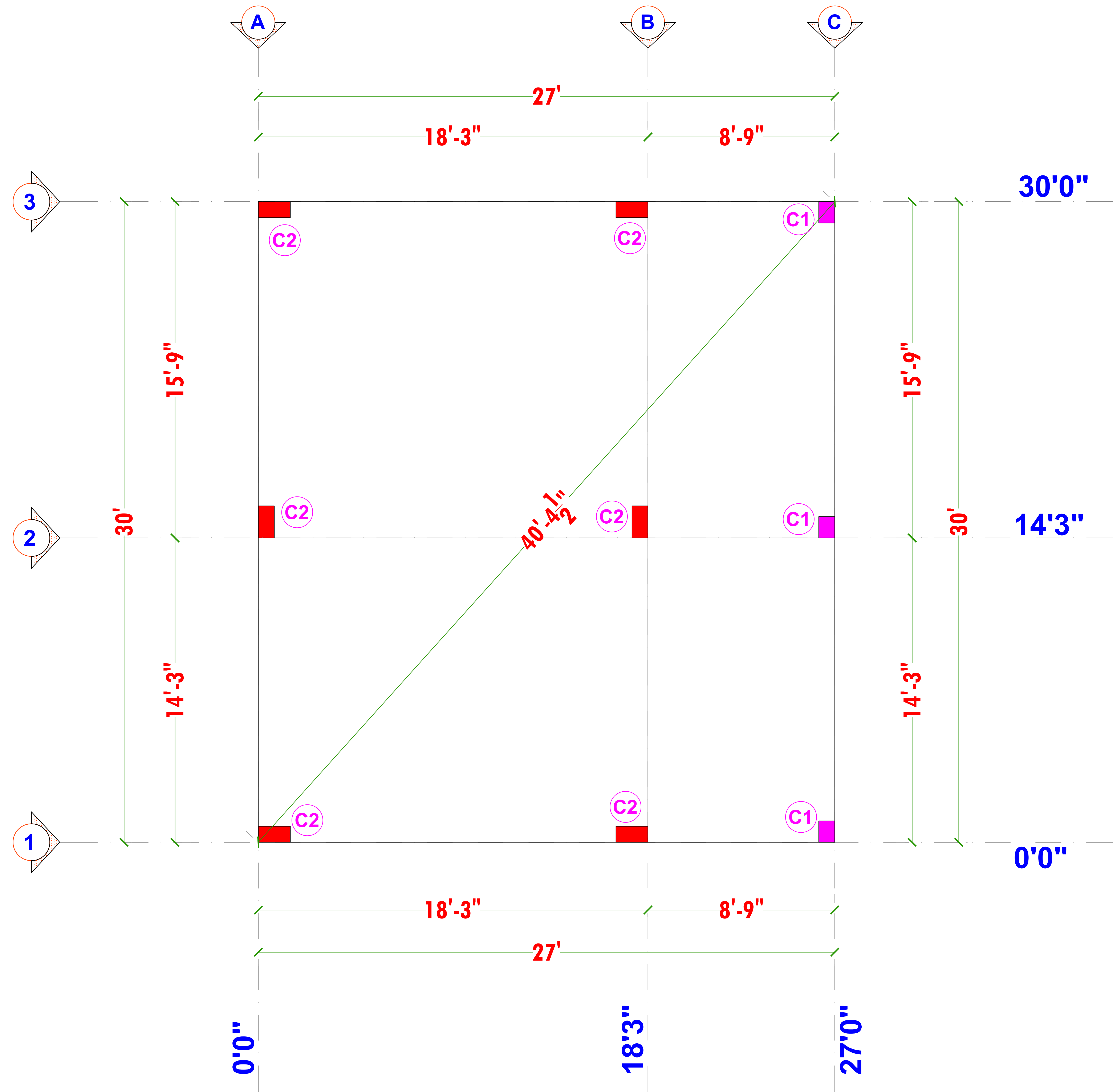
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TYPE	SIZE	NOS
	C1	0'9" X 1'-0" 03
	C2	0'9" X 1'-6" 06

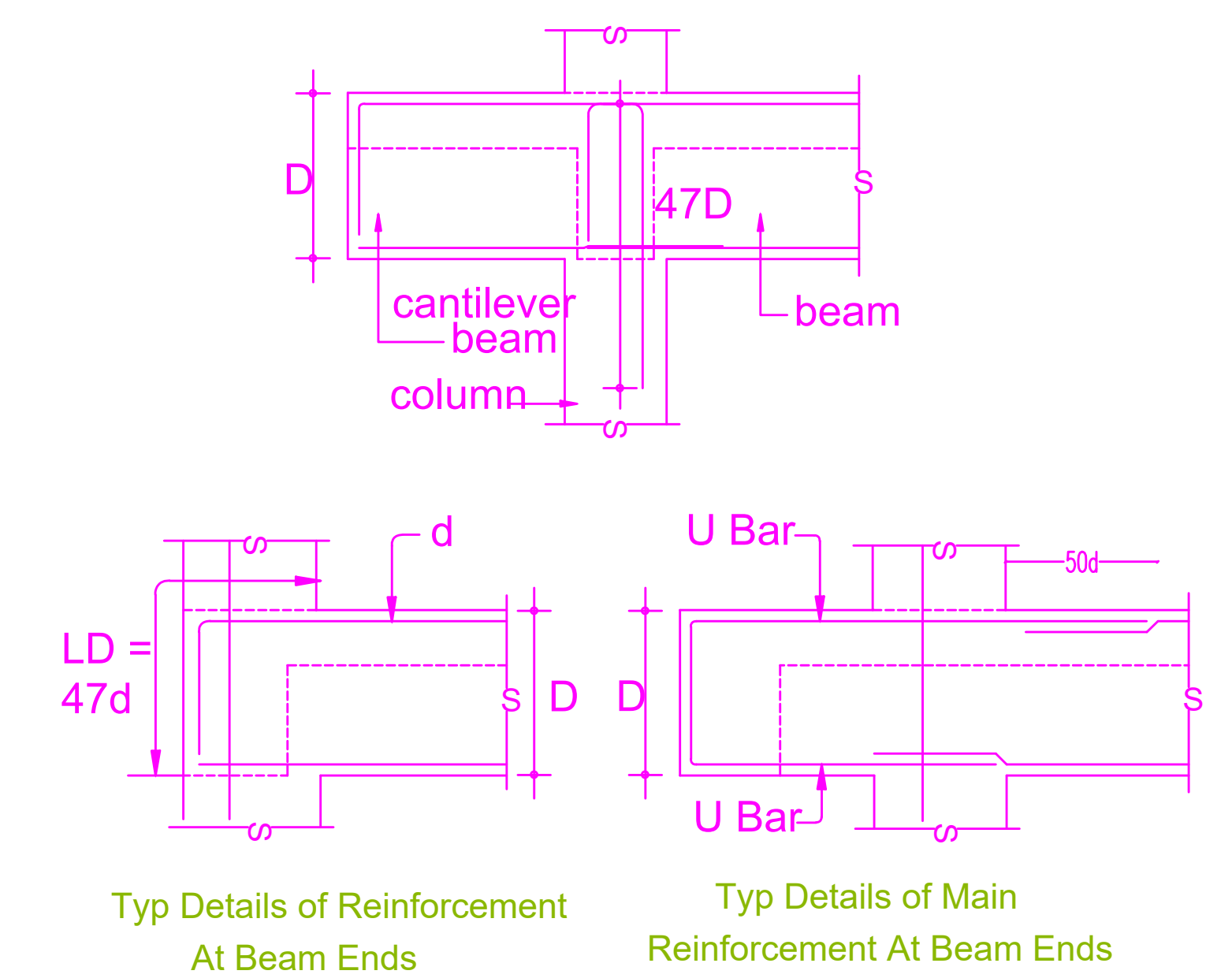


CENTERLINE PLAN

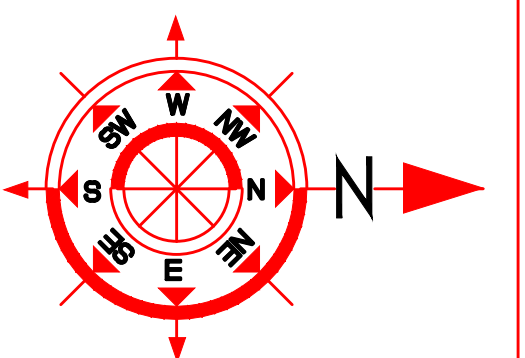


Note:

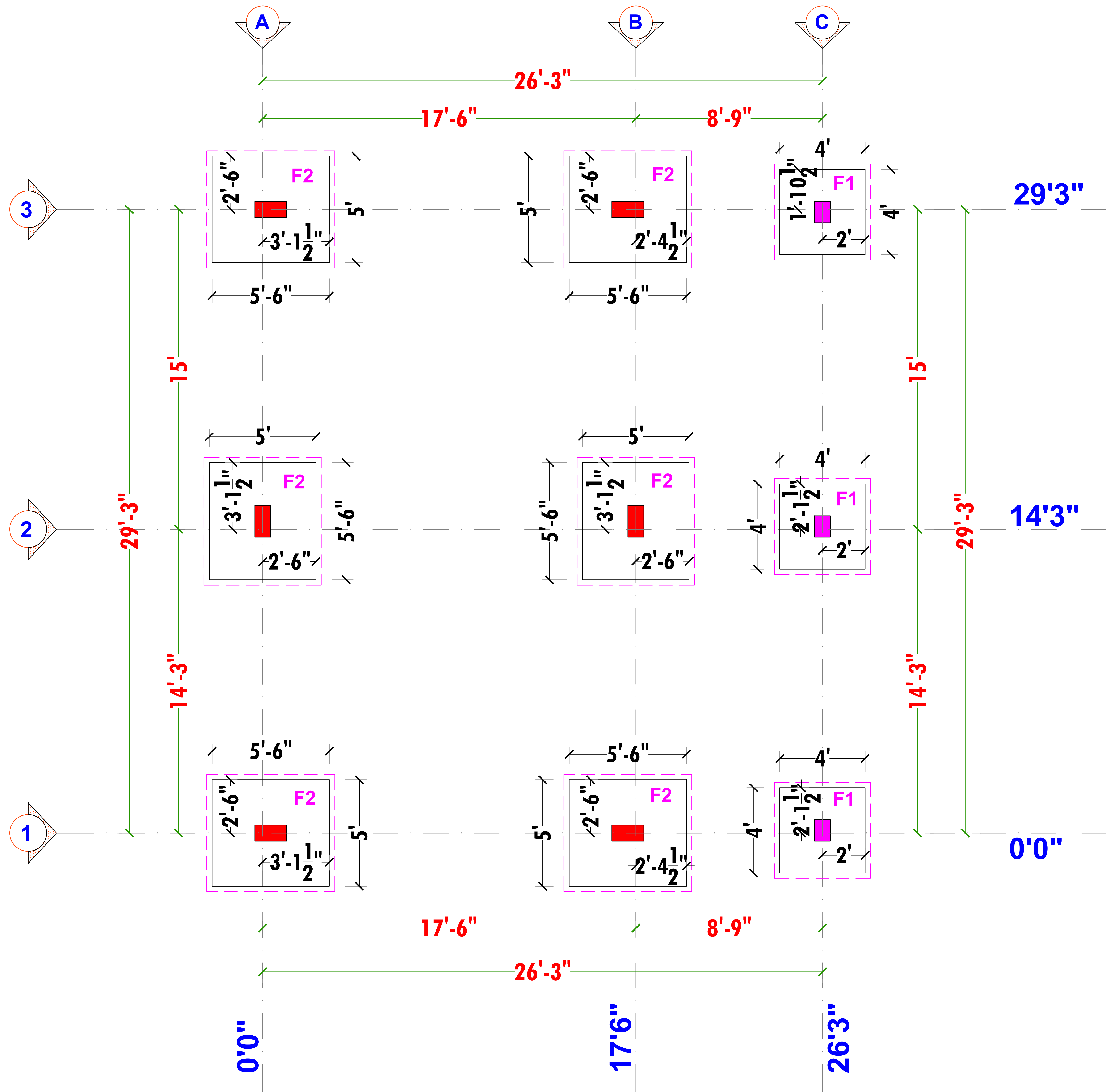
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TYPE	SIZE	NOS
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	C2 0'9" X 1'-6"	06

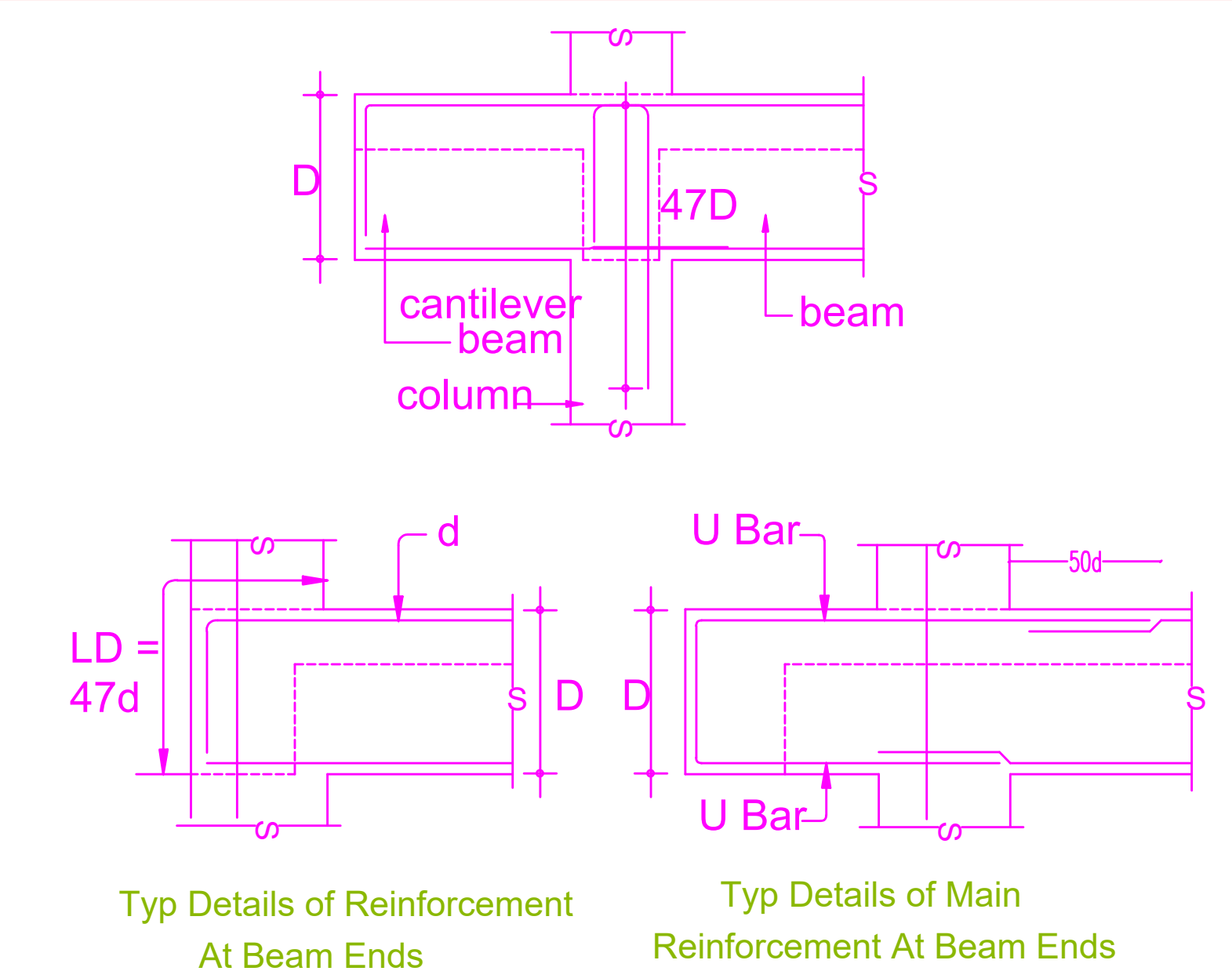


COLUMN MARKING PLAN

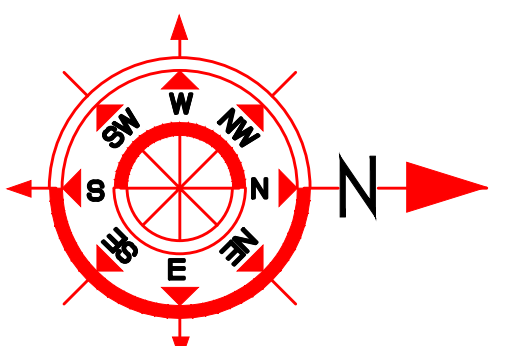


Note:

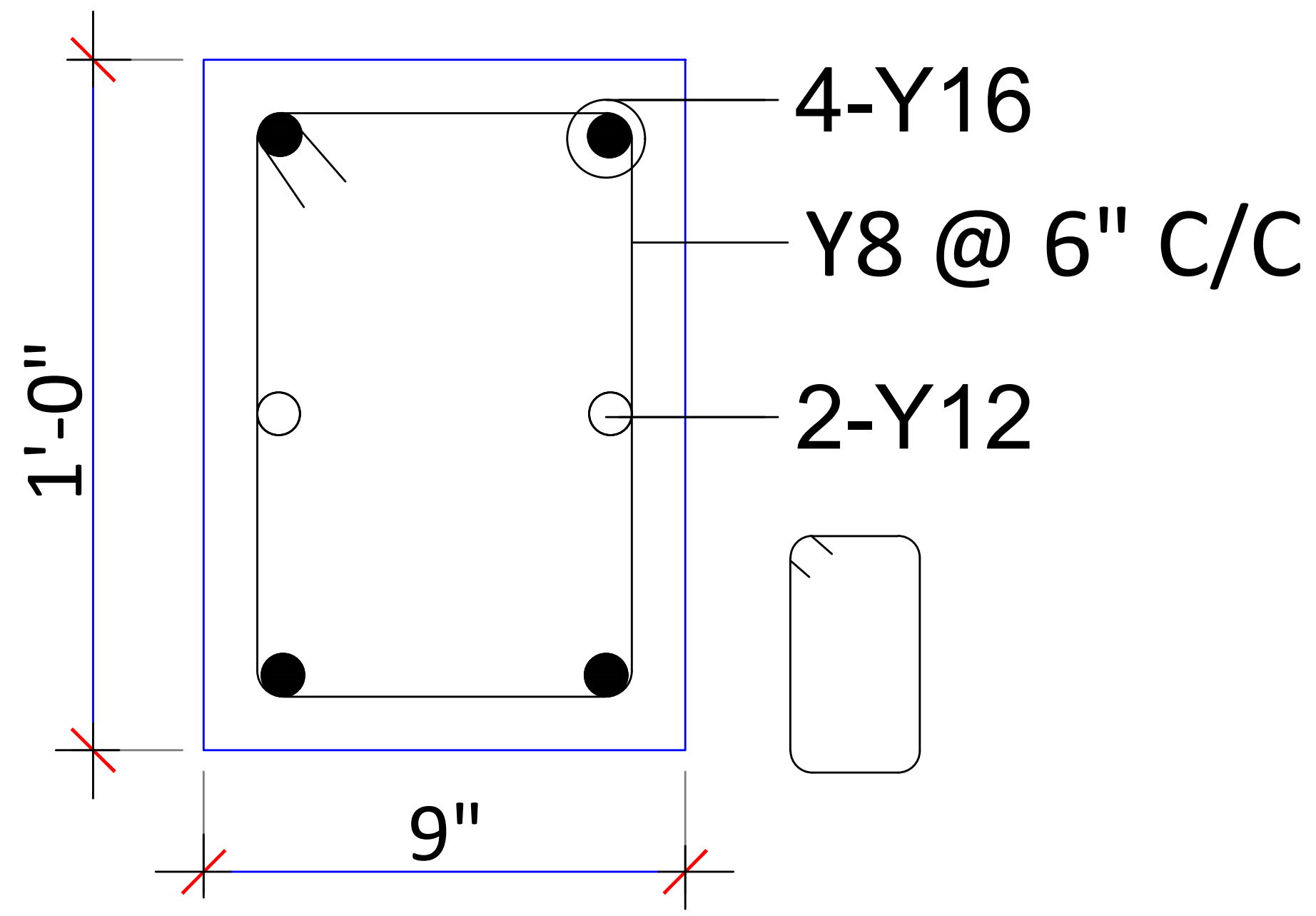
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	Footing size		footing depth
	A	B	Upto Hard Lvl.,
F1	4'-0"	4'-0"	Min - 5'6"
F2	5'-0"	5'-6"	Min - 5'6"



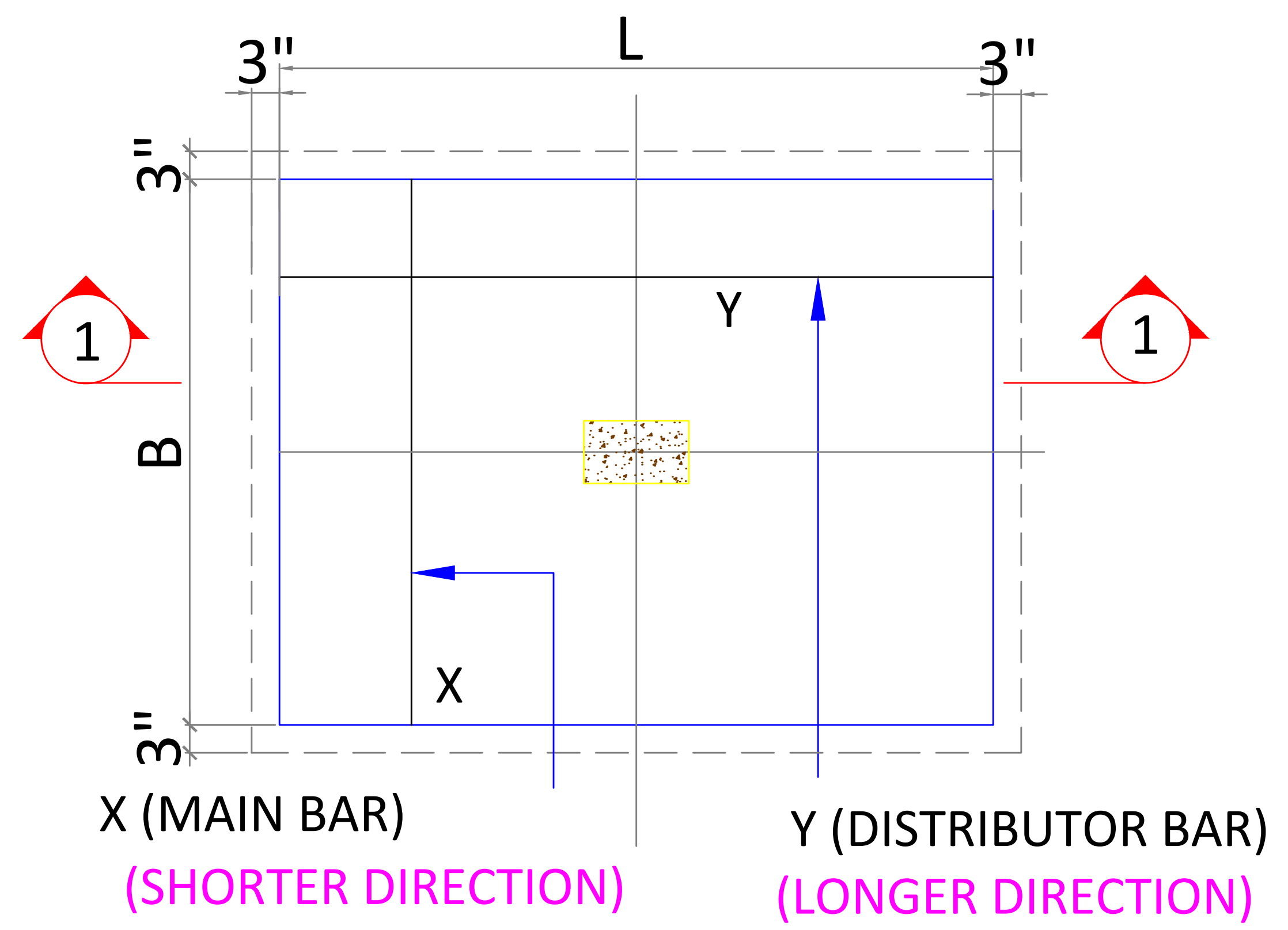
FOOTING PLAN



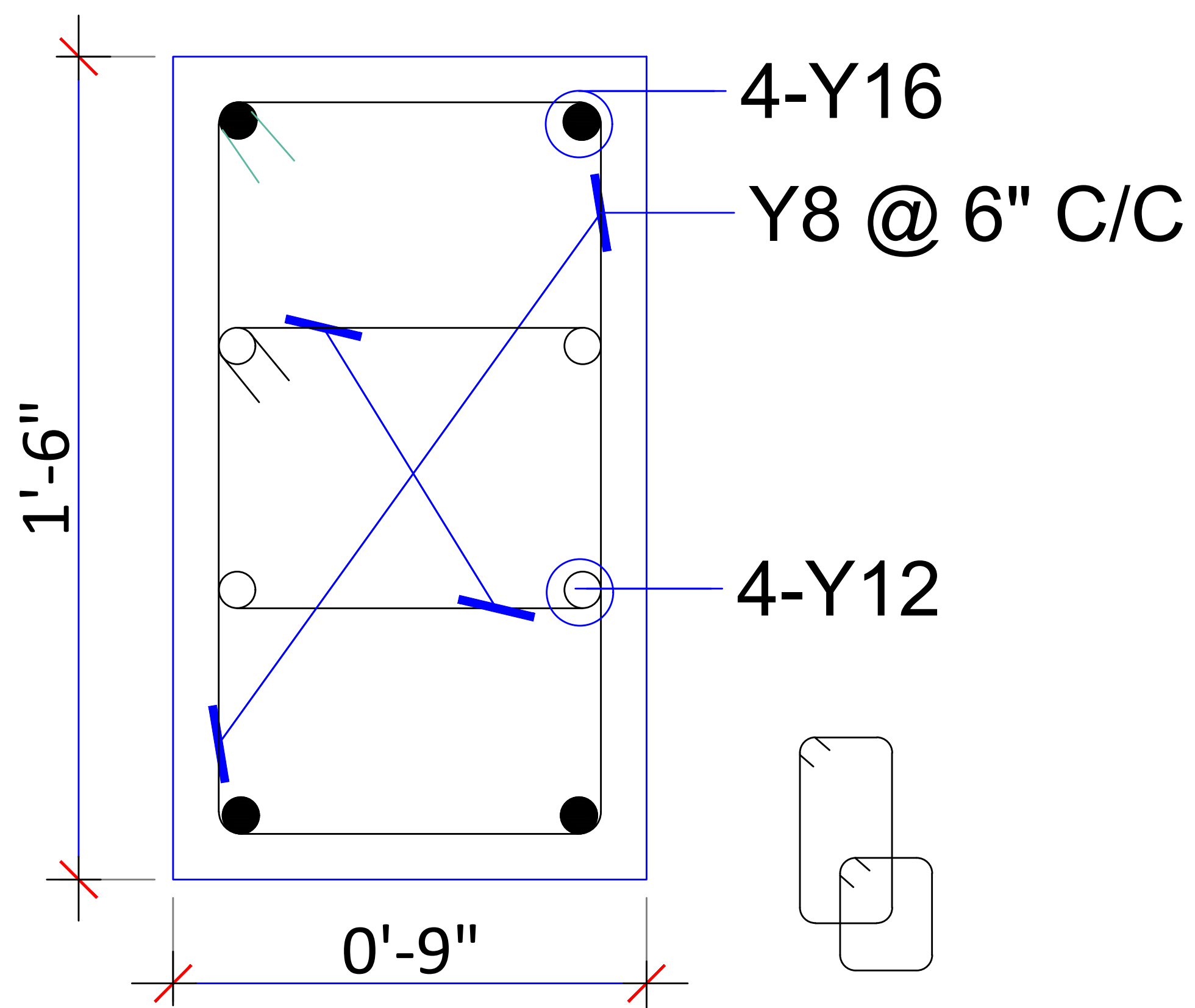
C.S OF COLUMN "C1"

(0'-9" x 1'-0")

3 NOS



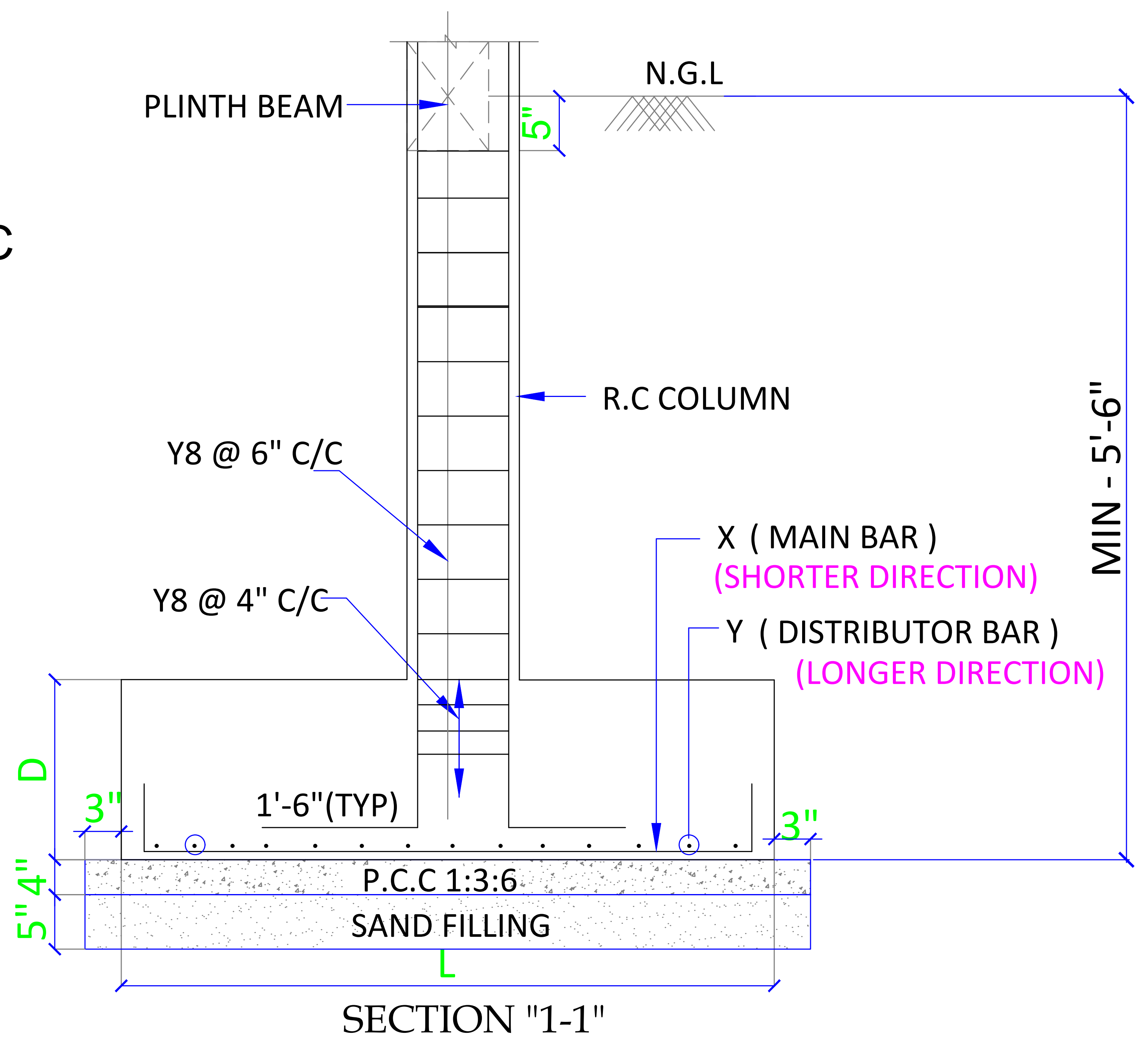
TYPICAL PLAN OF FOOTING
(RECTANGULAR FOOTING)



C.S OF COLUMN "C2"

(0'-9" x 1'-6")

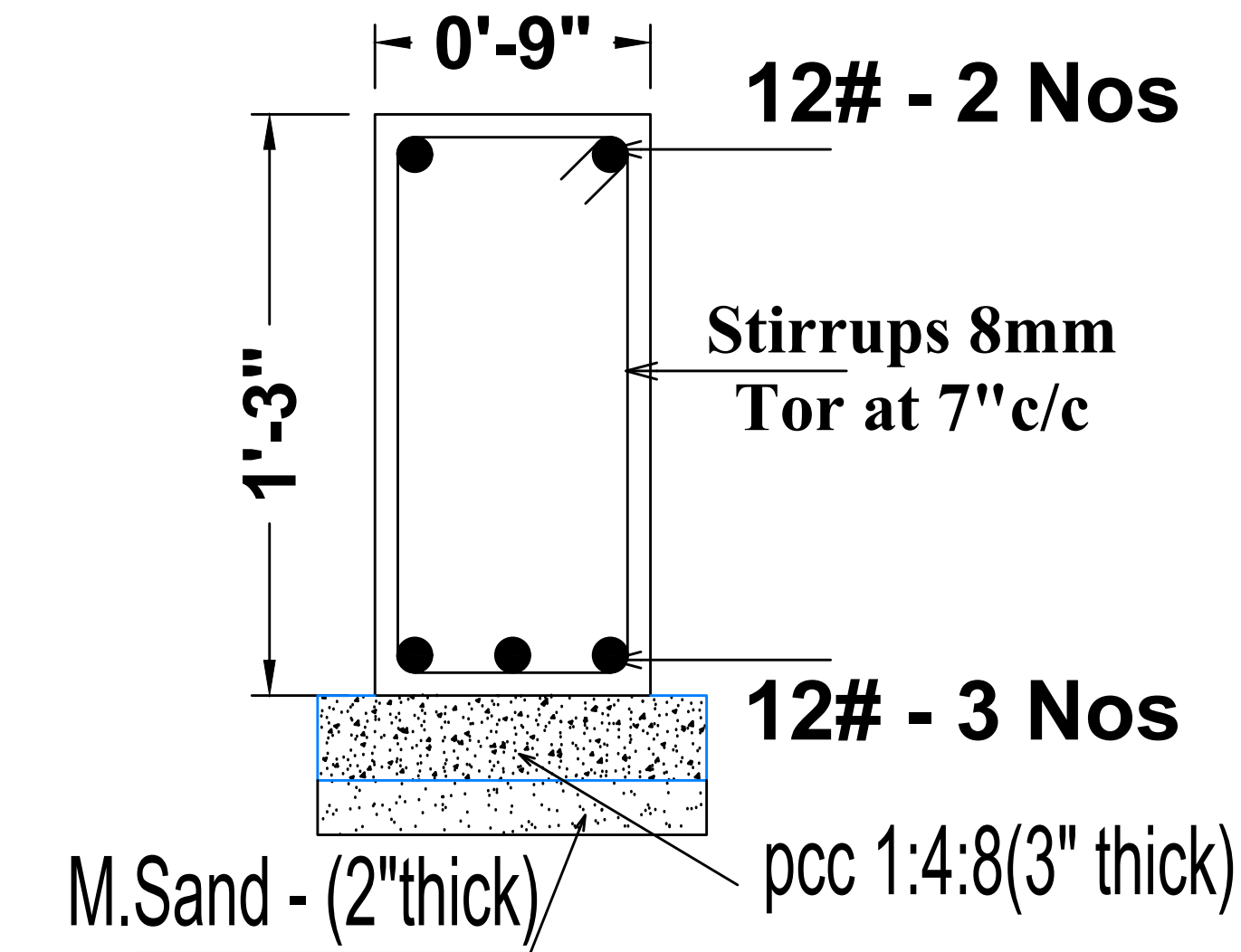
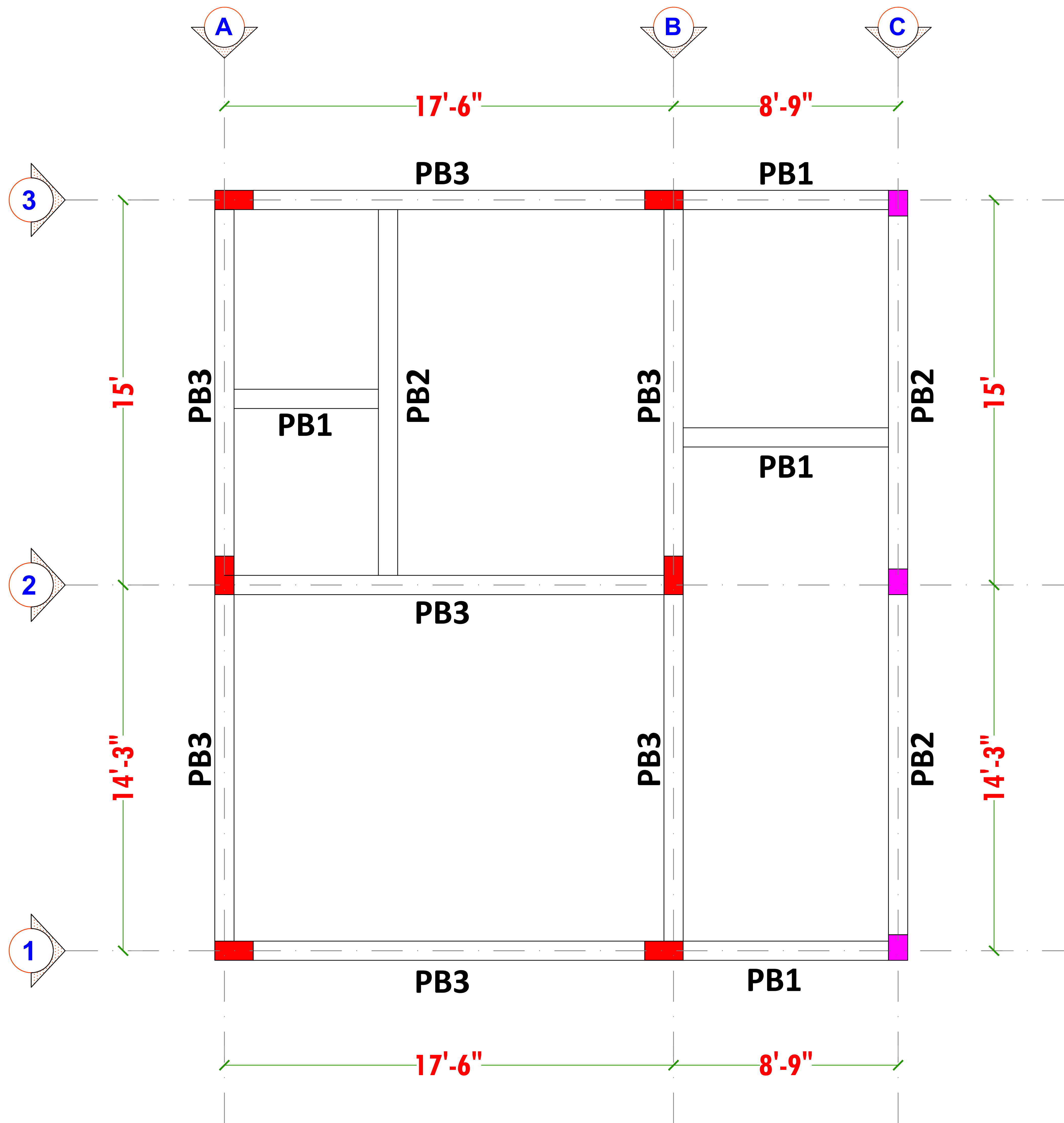
6 NOS



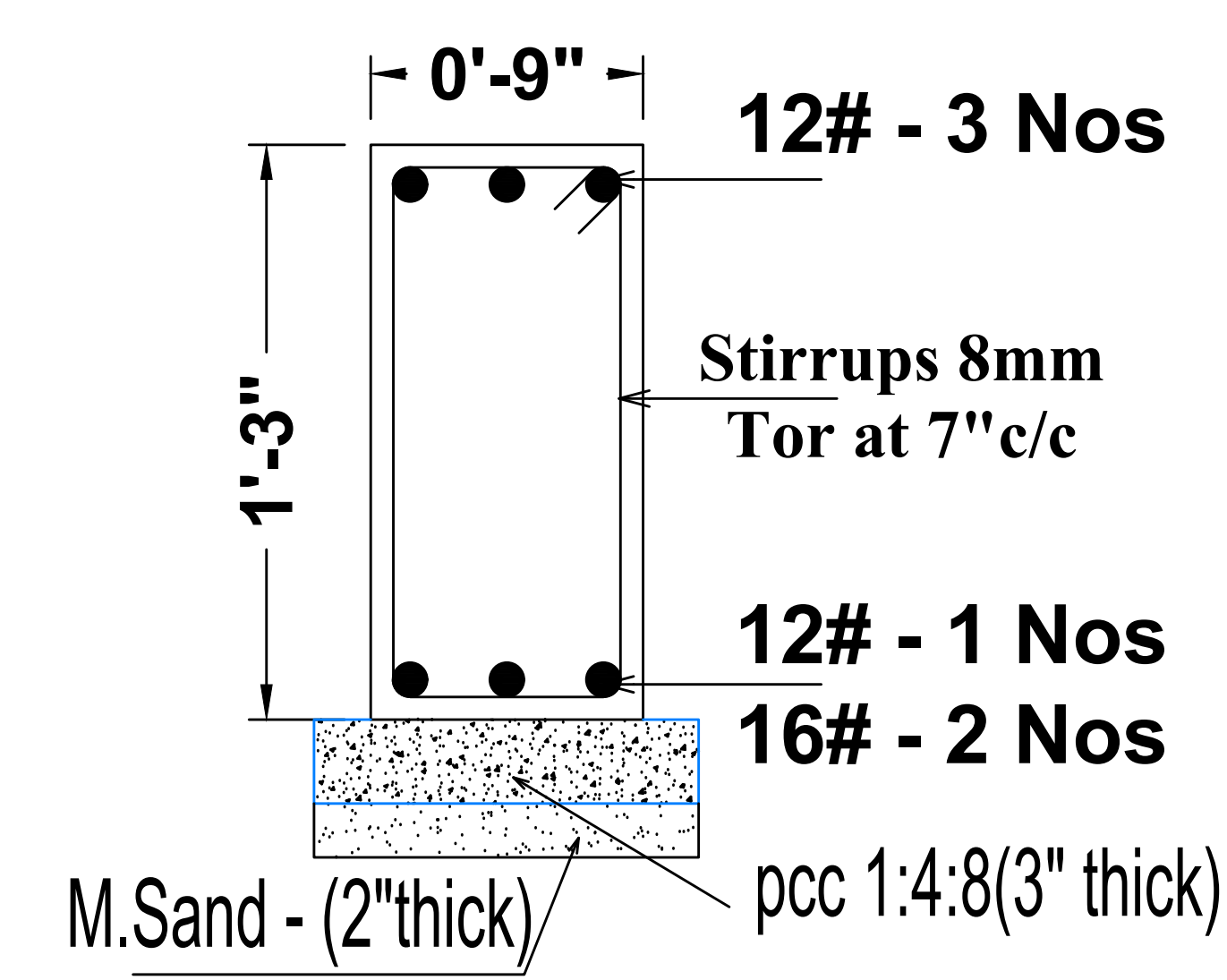
FOOTING REINFORCEMENT :

Sl. NO.	FOOTING NAME	FOOTING SIZE	FOOTING DEPTH	FOOTING REINFORCEMENT	
				BOTTOM ROD	
				X = SHORTER DIRECTION	Y = LONGER DIRECTION
01	F1	4'-0" x 4'-0"	1'-3"	Y = Y10 @ 6" C/C	Y = Y10 @ 6" C/C
02	F2	5'-0" x 5'-6"	1'-6"	Y = Y10 @ 5" C/C	Y = Y10 @ 5" C/C

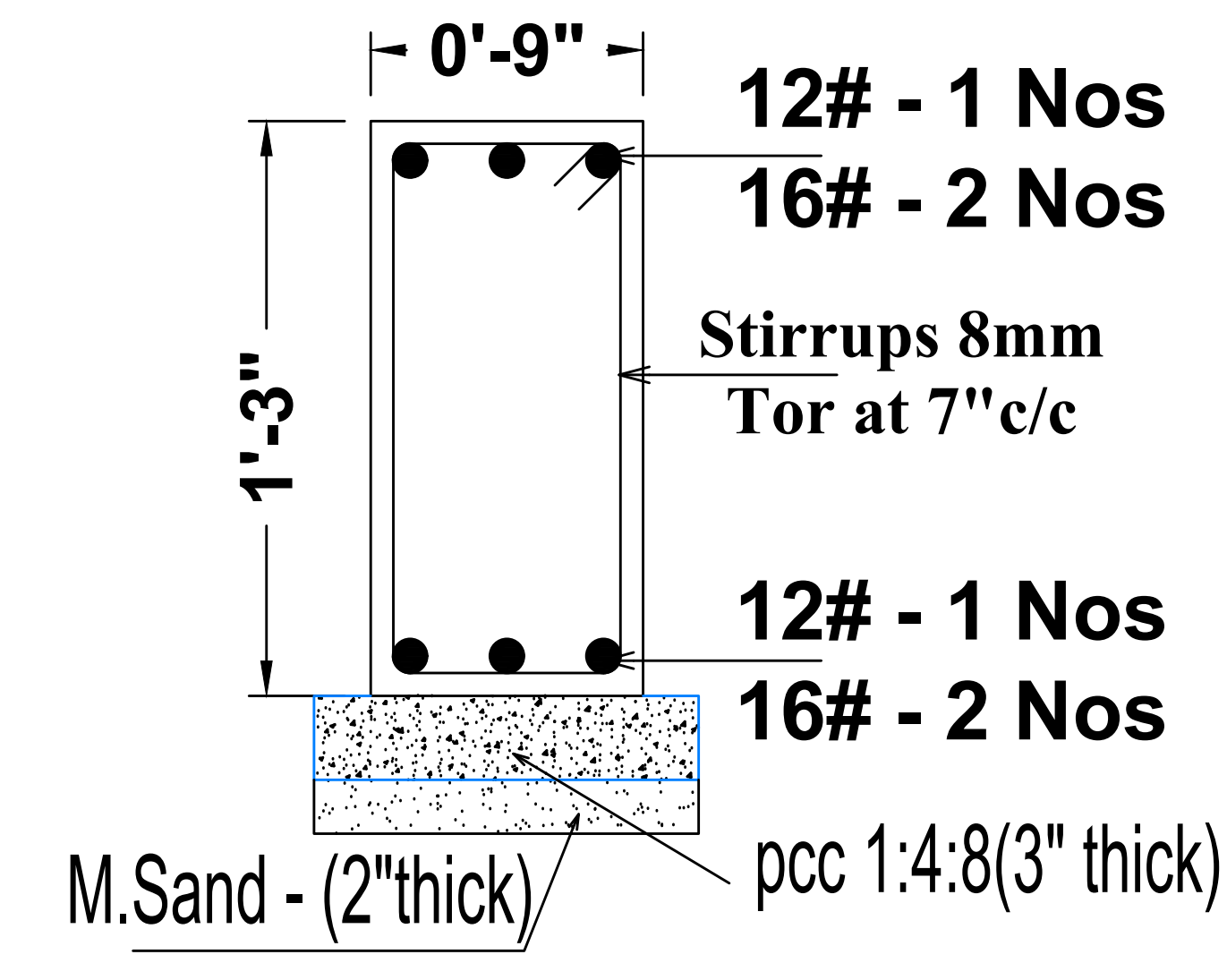
COLUMN & FOOTING DETAILS



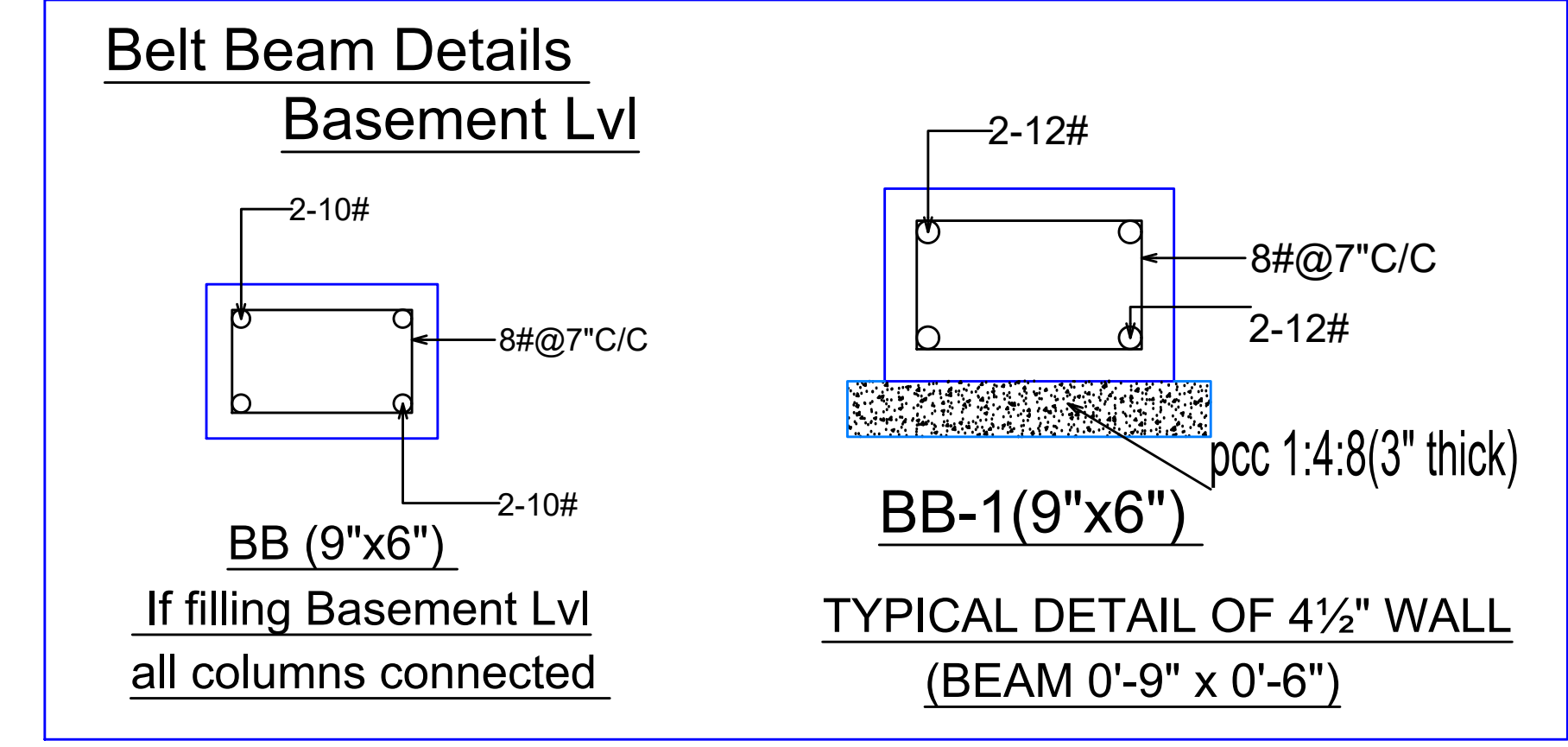
Plinth Beam (PB-1)
9" X 1'3"



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



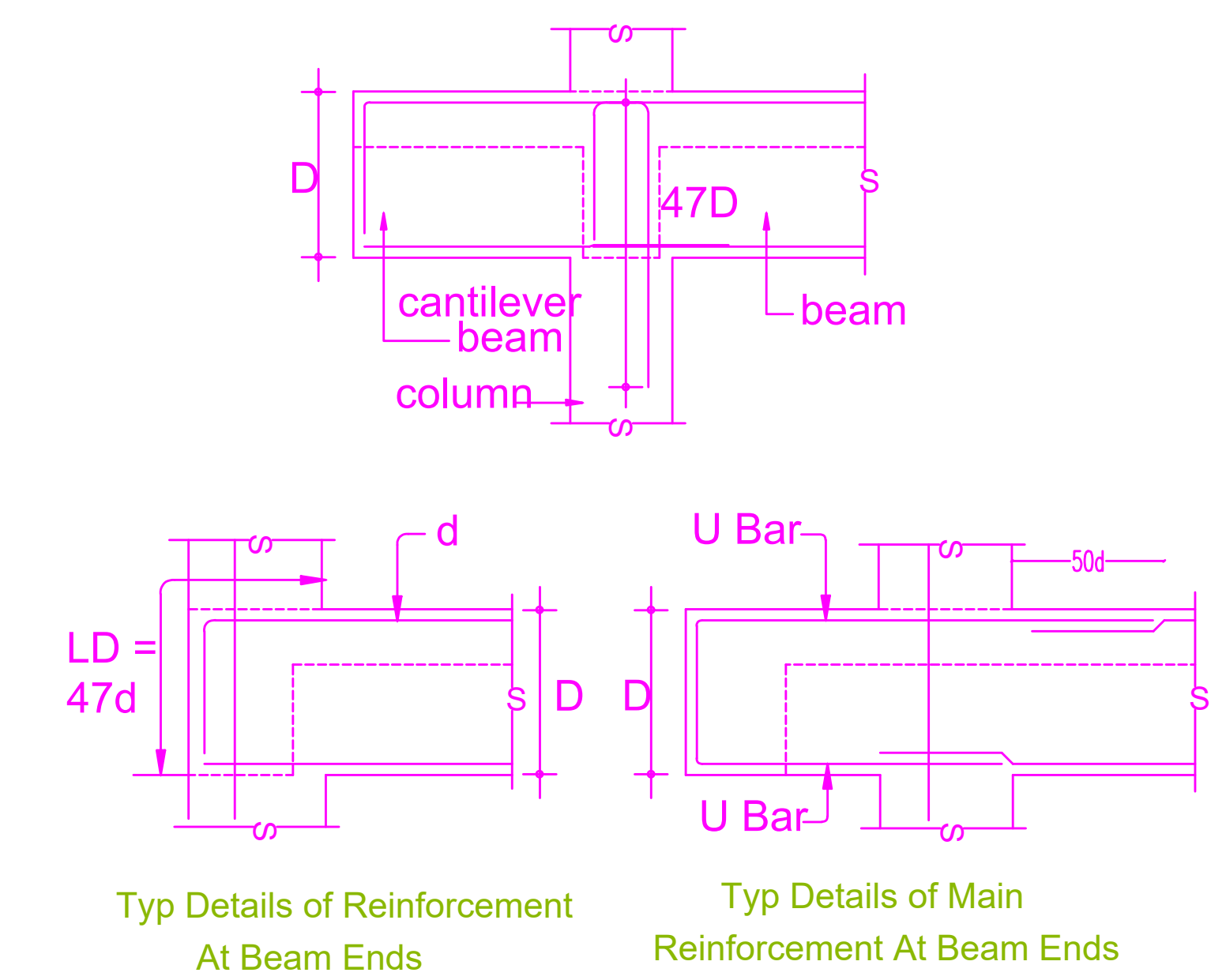
Plinth Beam (PB-3)
9" X 1'3"



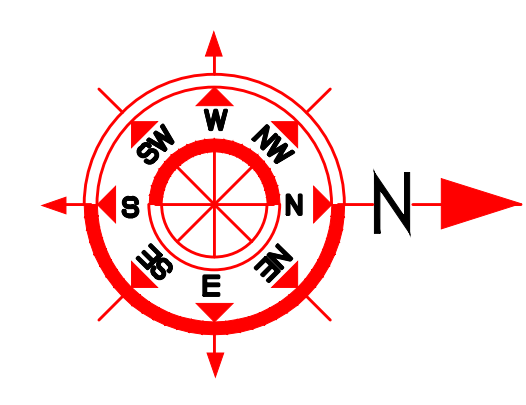
COVER REINFORCEMENT		
BEAMS :	BOTTOM & TOP	1"
	SIDES & ENDS	1"

GRADES	
CONCRETE	M20 (USE MIN CEMENT CONTENT OF 300 KG PER CU.M)
STEEL	Fe 500/Fe550D

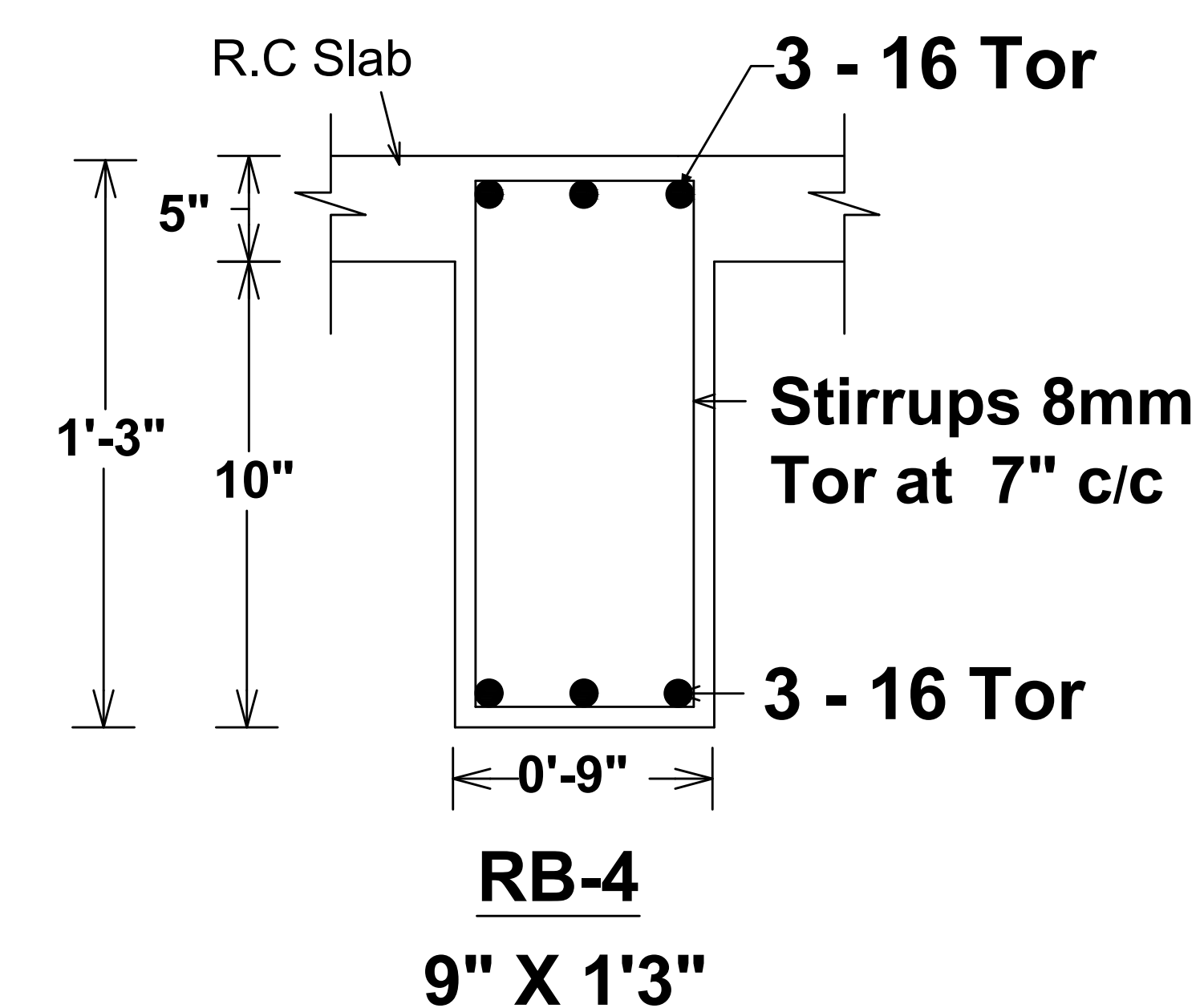
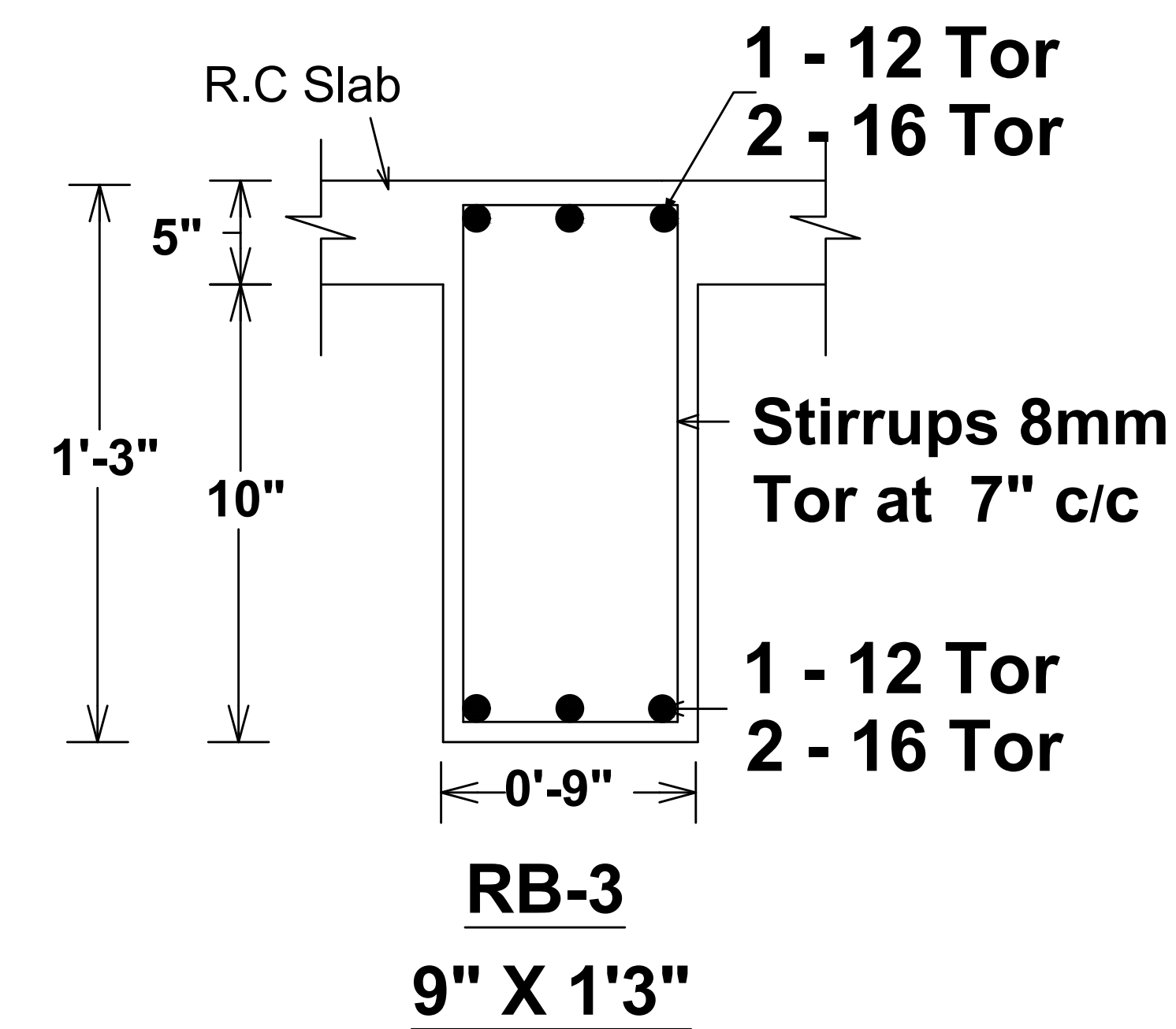
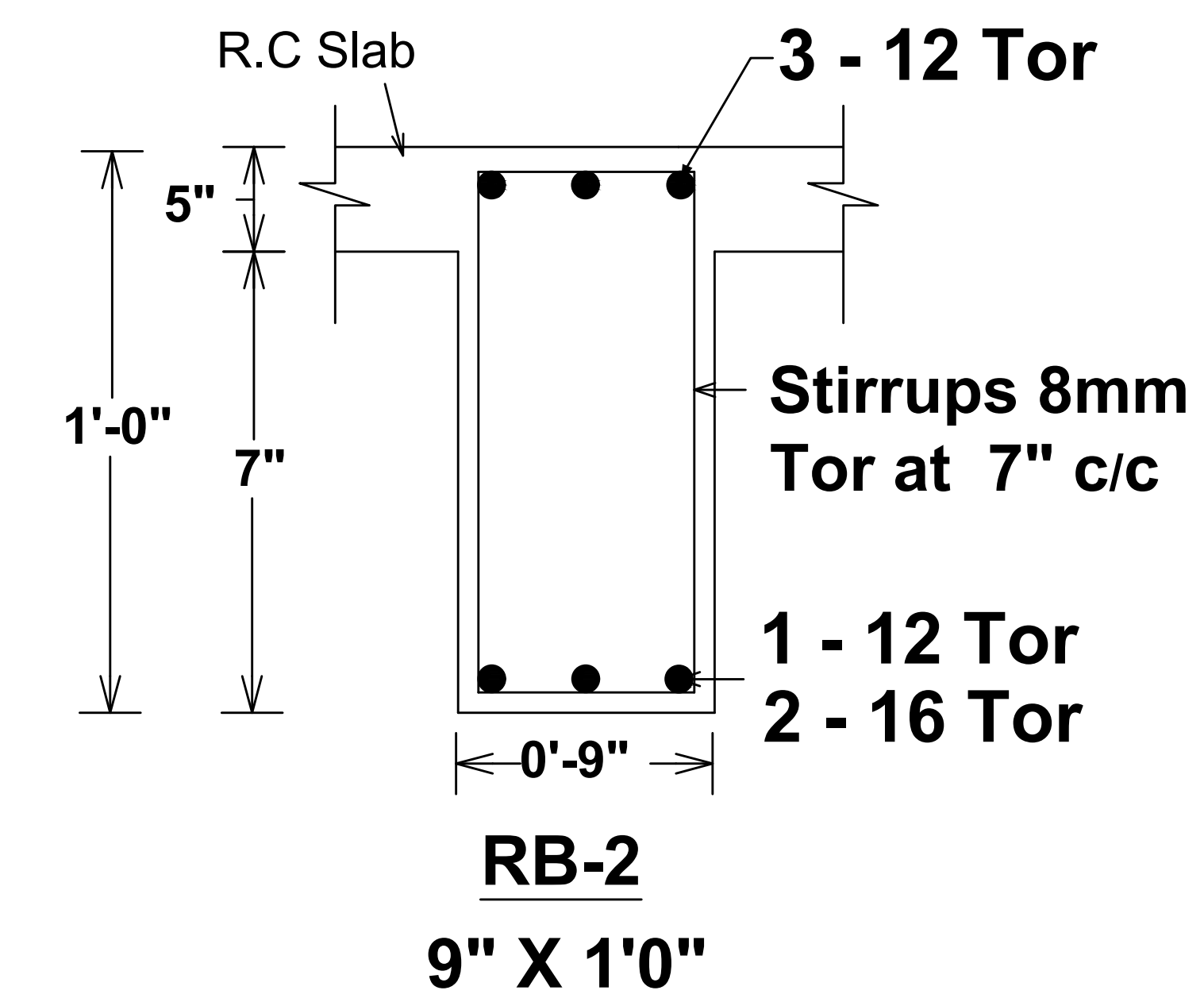
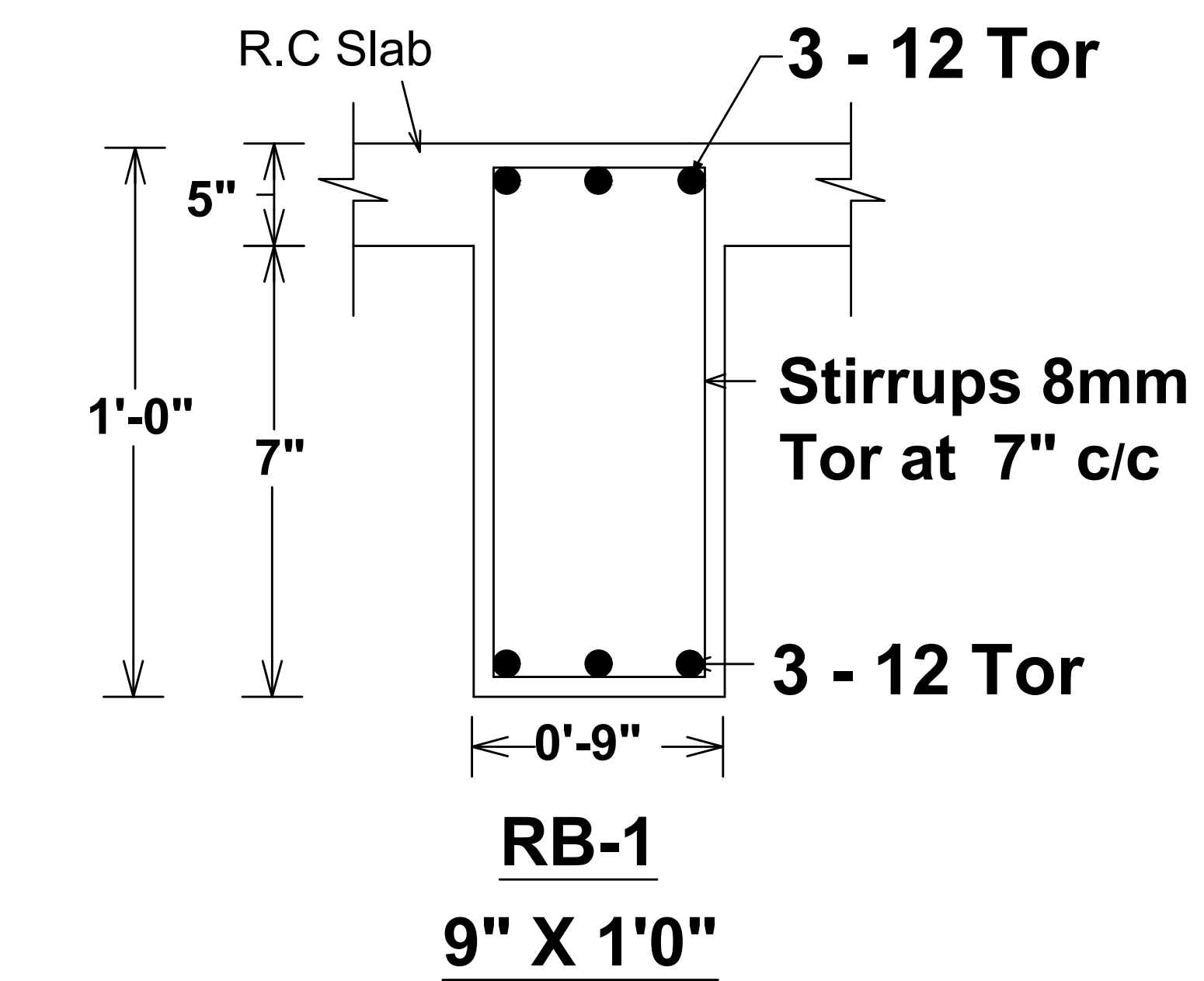
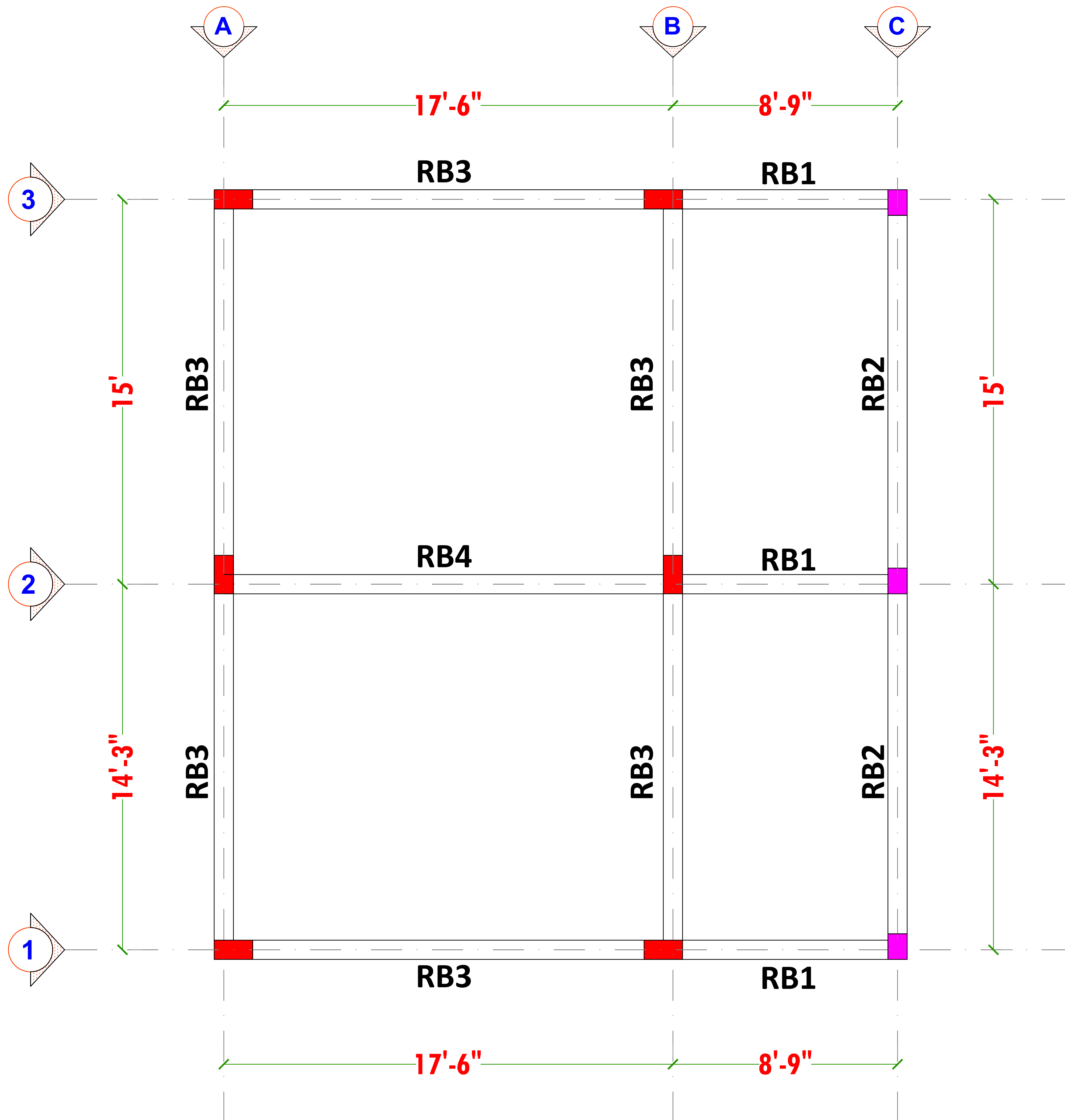
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 - Top Reinforcement
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PB - 0'9" x 1'3"

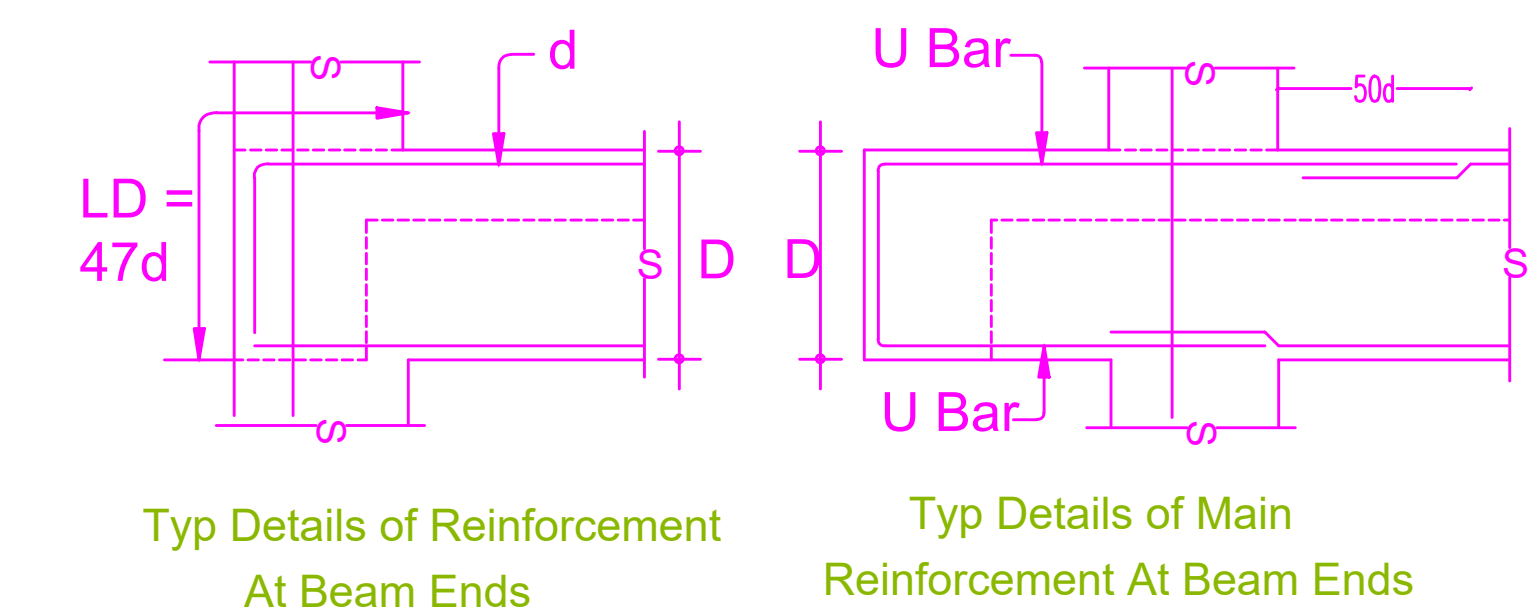
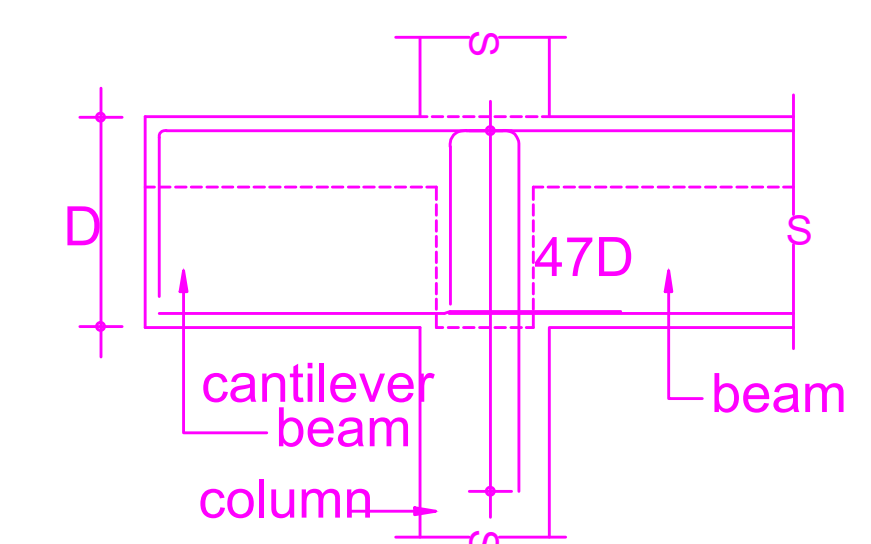


PLINTH BEAM PLAN



Note:

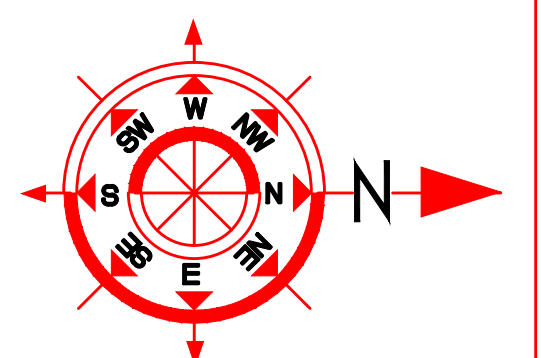
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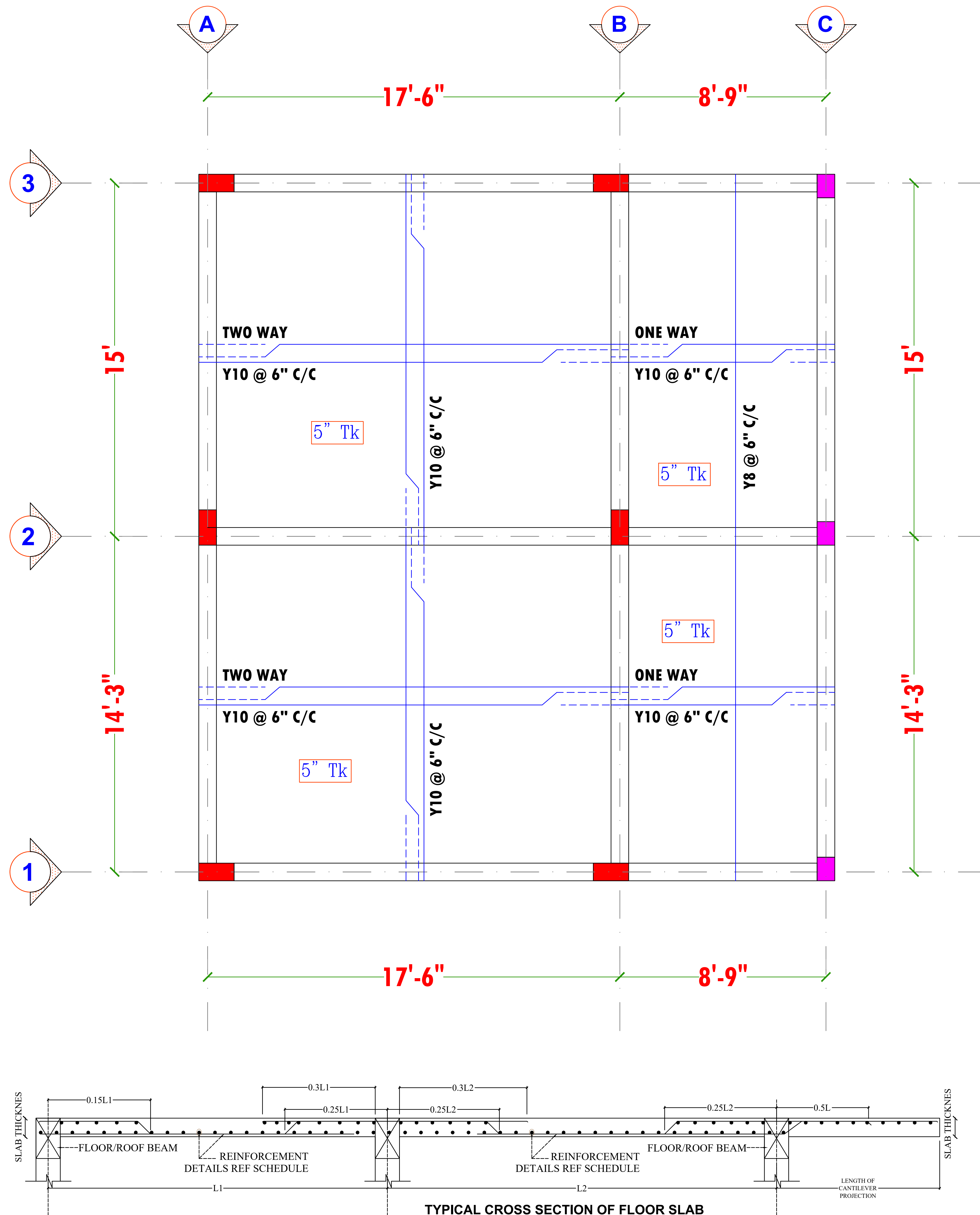
COVER REINFORCEMENT		
BEAMS :	BOTTOM & TOP	1"
	SIDES & ENDS	1"

GRADES	
CONCRETE	M20 (USE MIN CEMENT CONTENT OF 300 KG PER CU.M)
STEEL	Fe 500/Fe550D

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

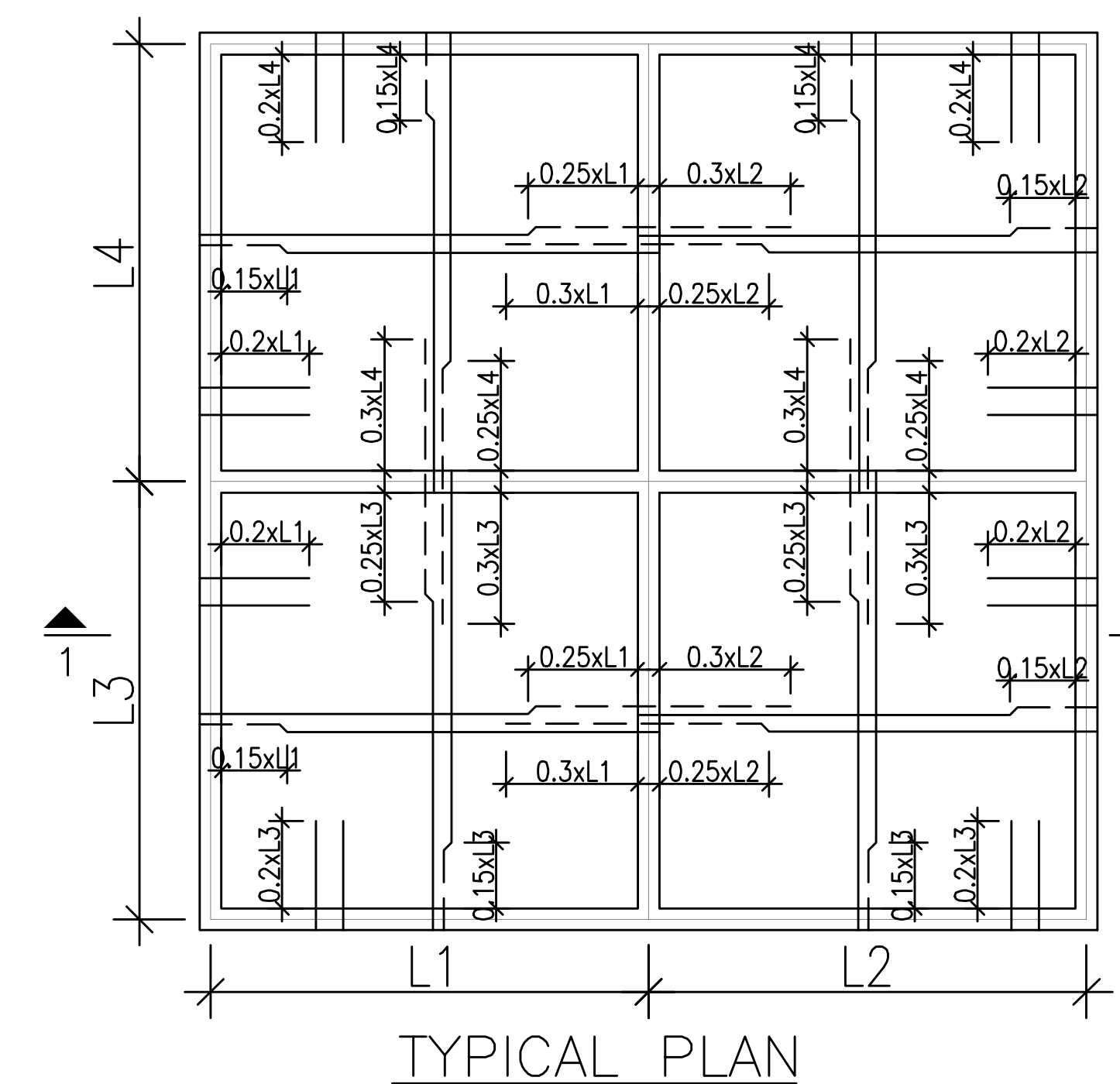


ROOF BEAM PLAN
Ground Floor



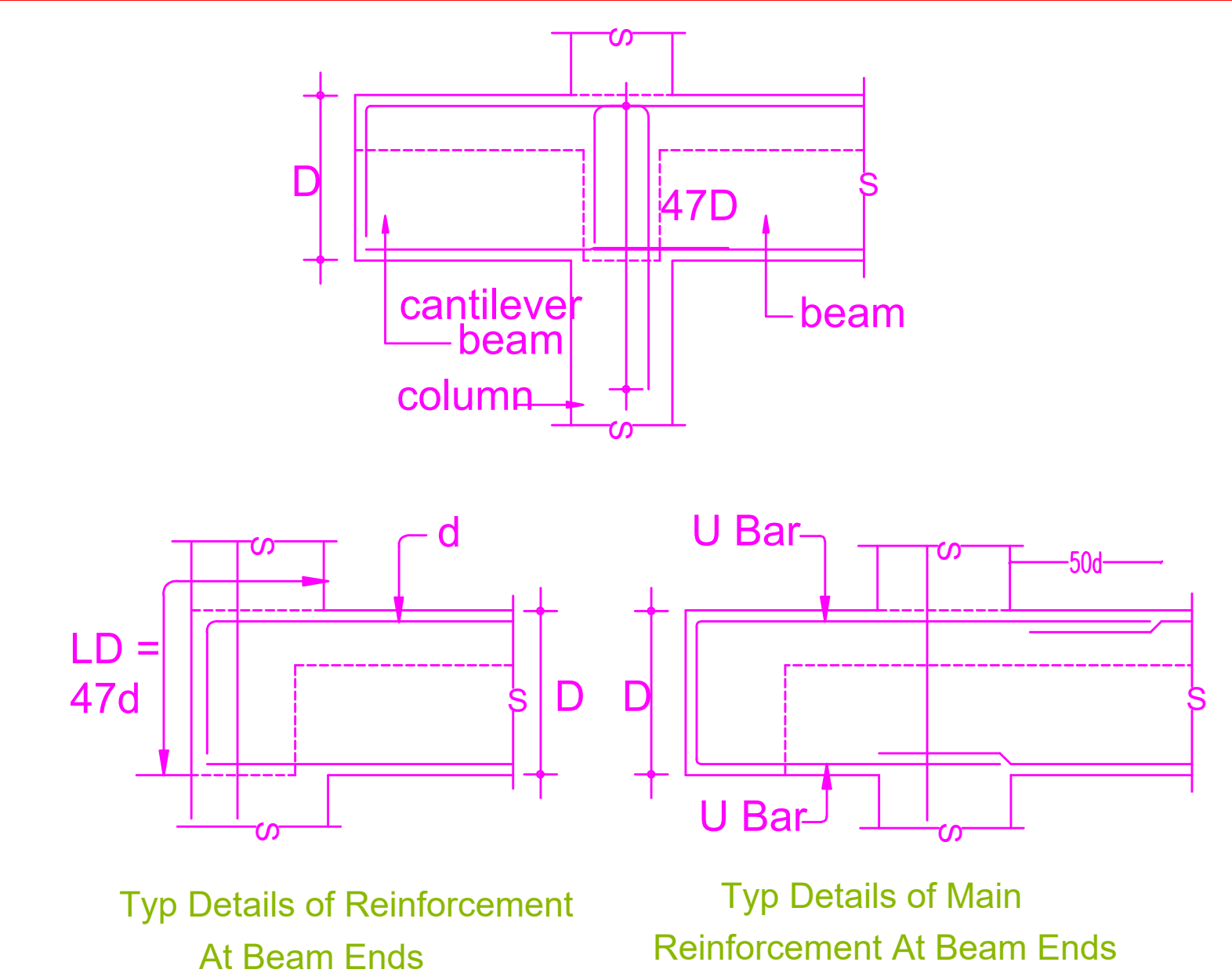
COVER REINFORCEMENT		
BEAMS :	BOTTOM & TOP	1"
	SIDES & ENDS	1"

GRADES	
CONCRETE	M20 (USE MIN CEMENT CONTENT OF 300 KG PER CU.M)
STEEL	Fe 500/Fe550D

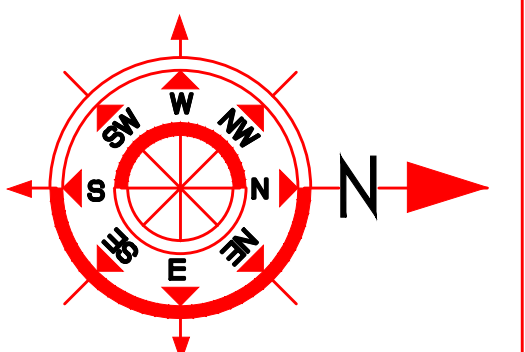


Note:

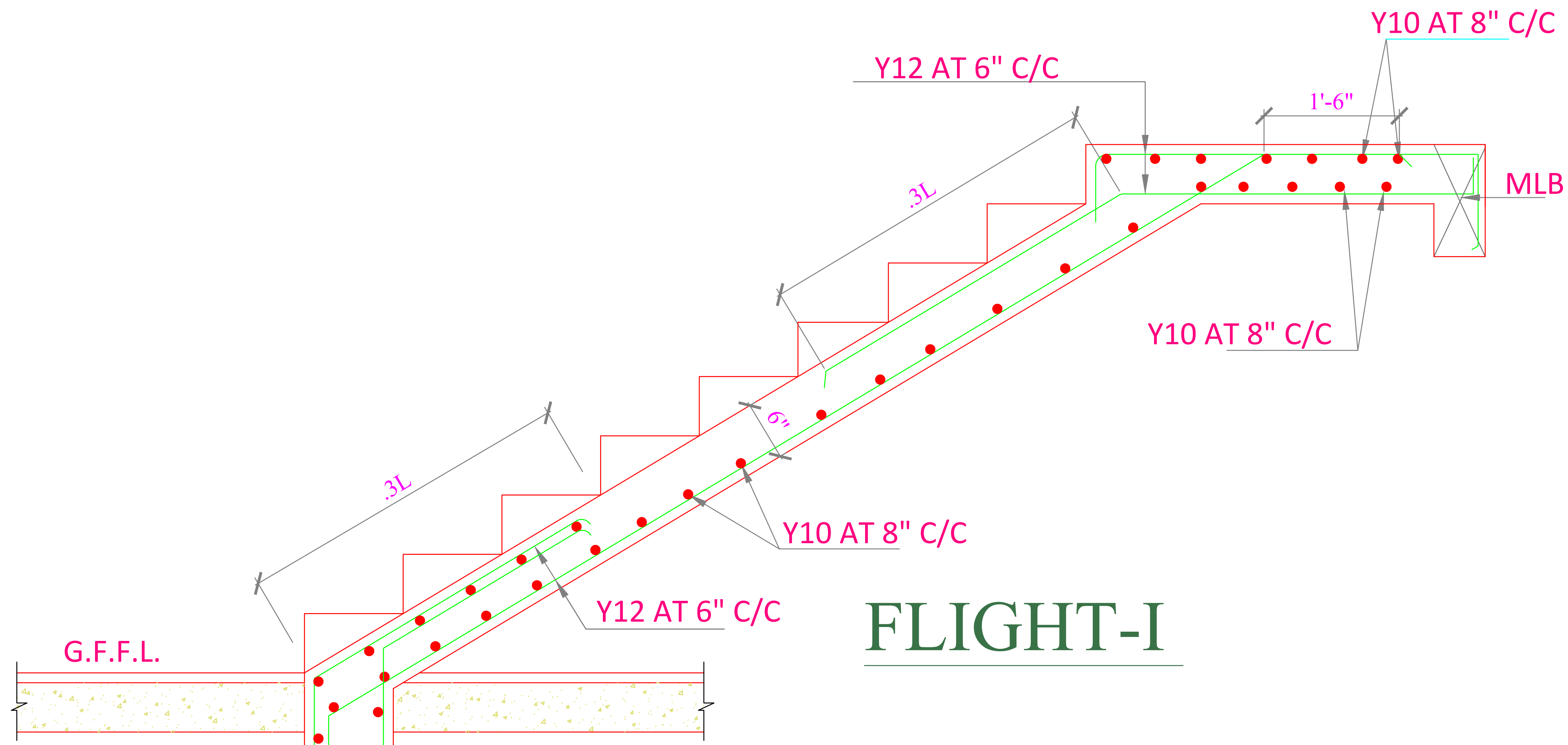
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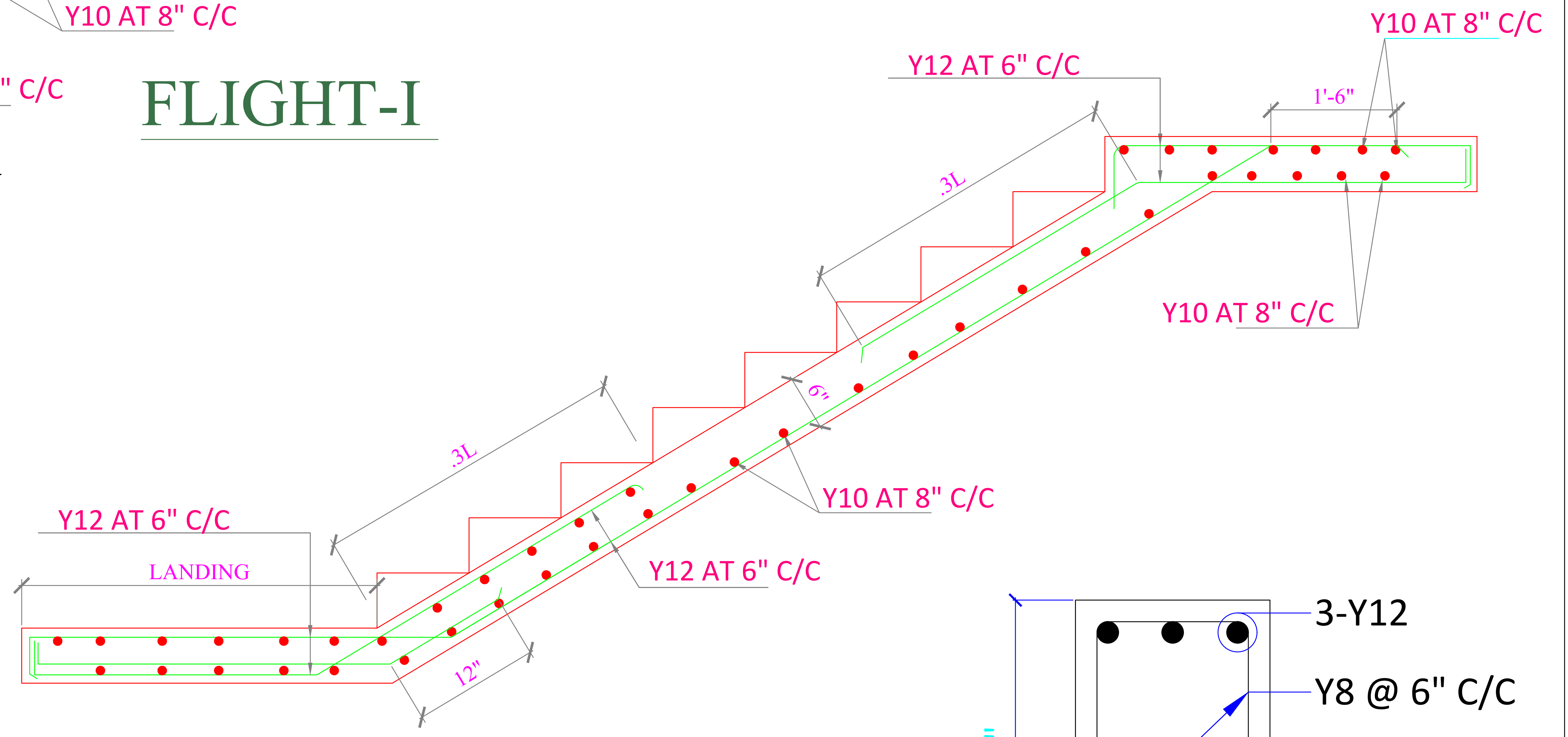
RB - 0'9" x 1'0"
RB - 0'9" x 1'3"



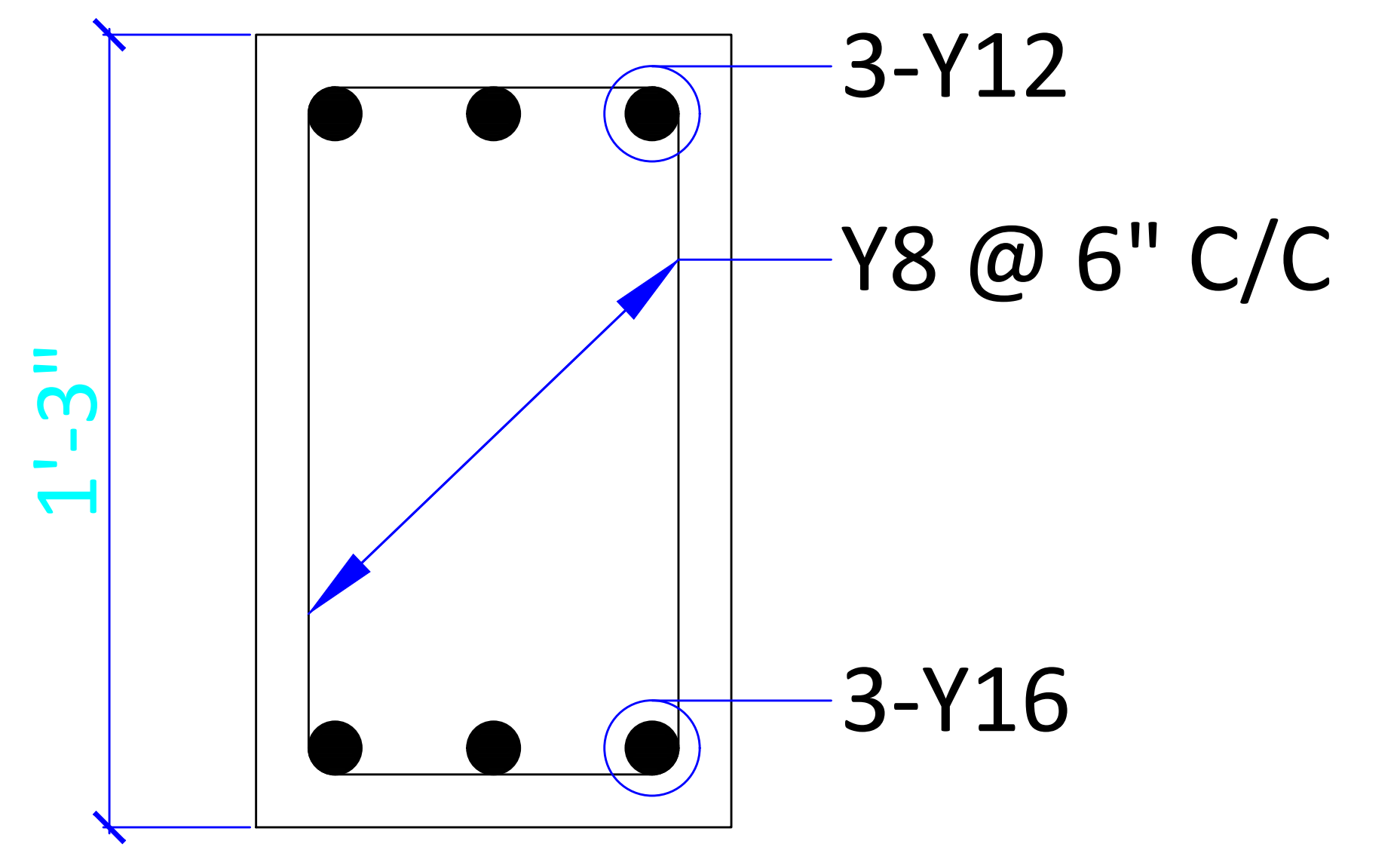
ROOF SLAB PLAN



FLIGHT-I



FLIGHT-II

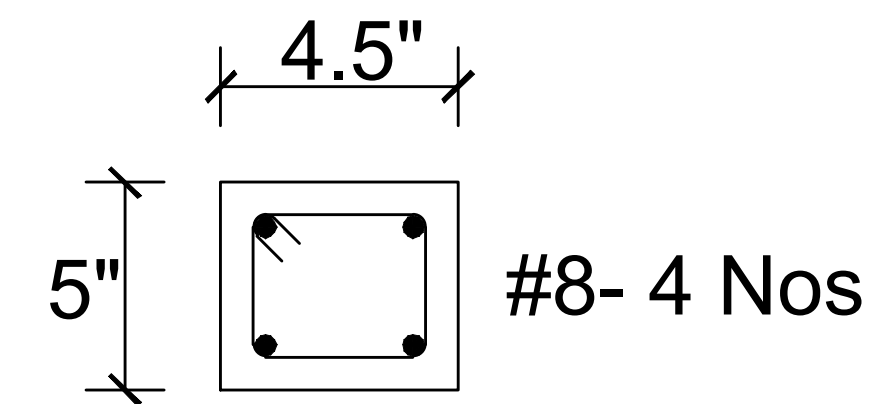
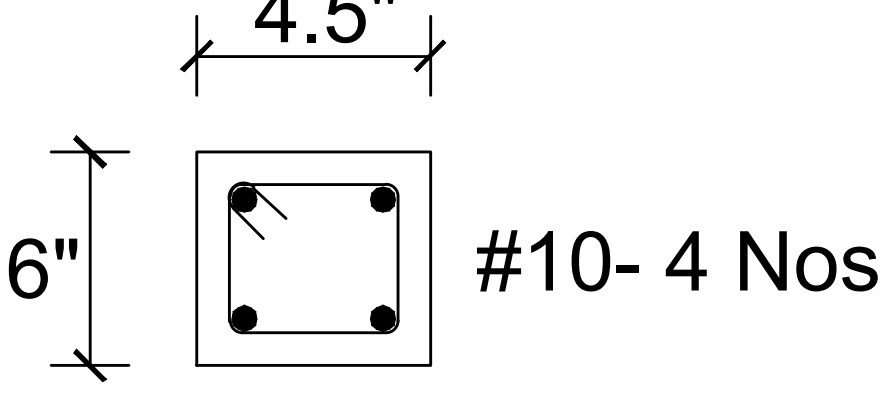
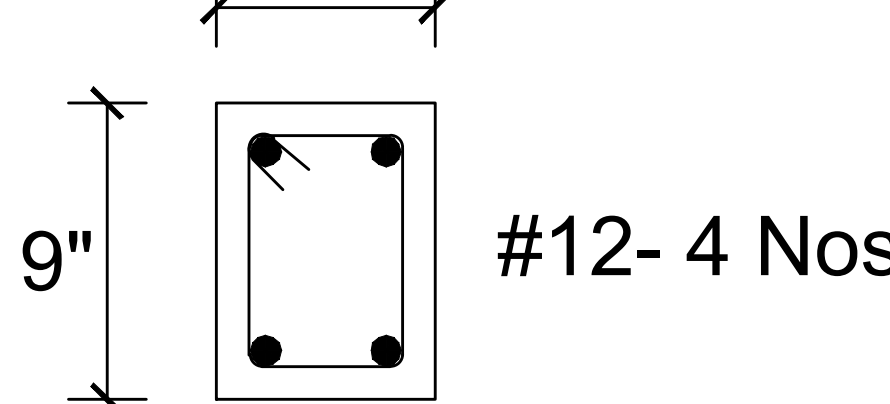
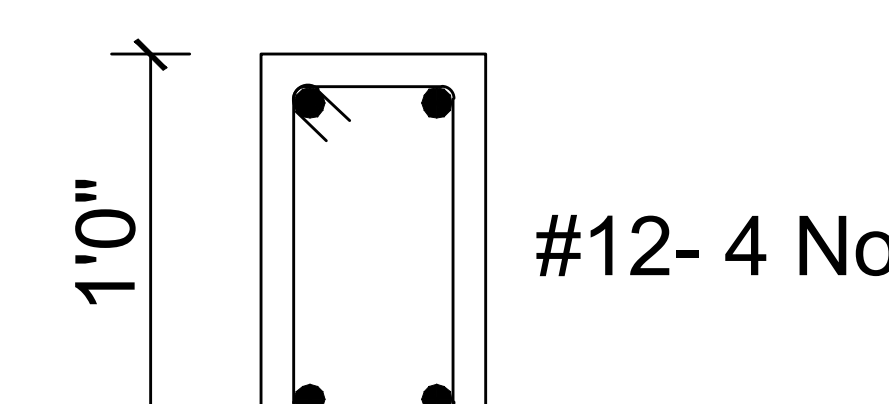
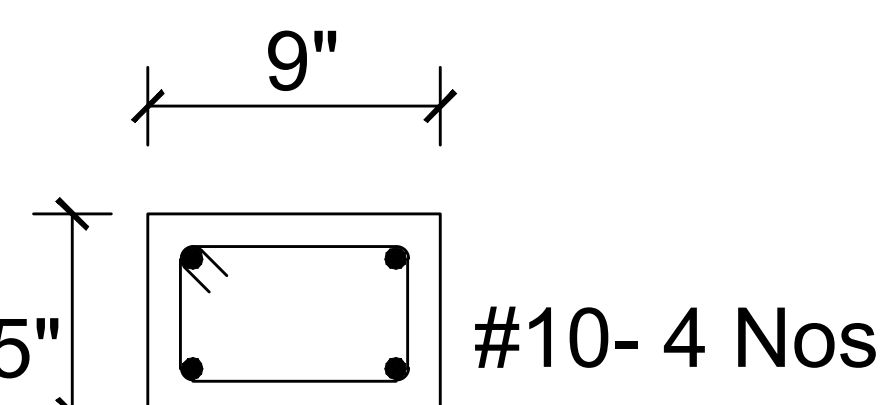
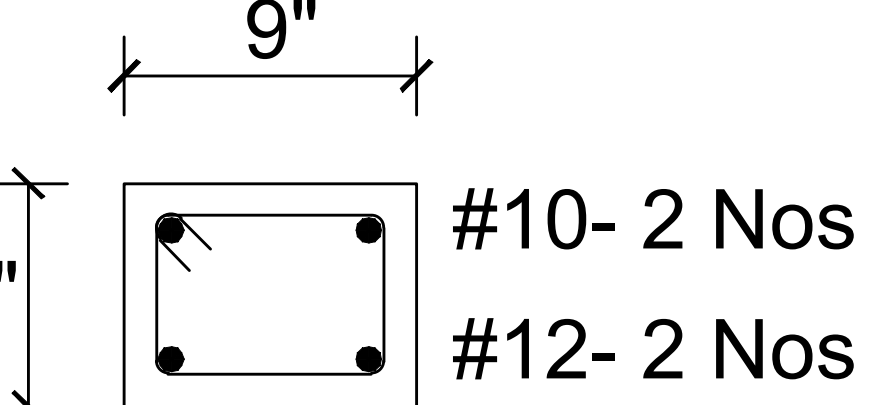
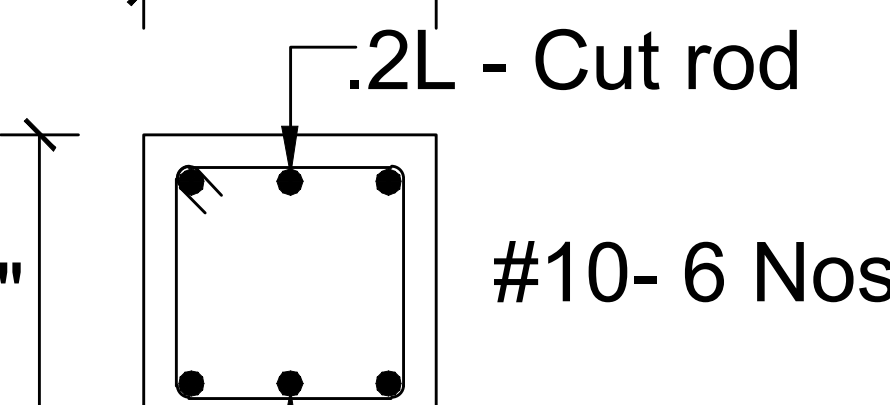
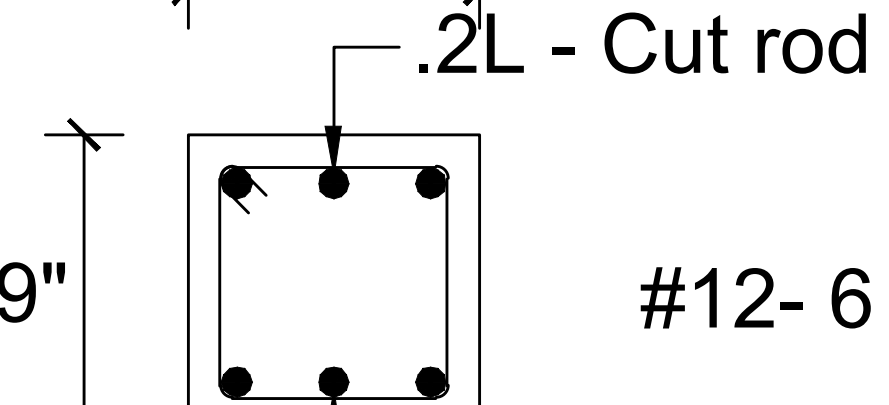


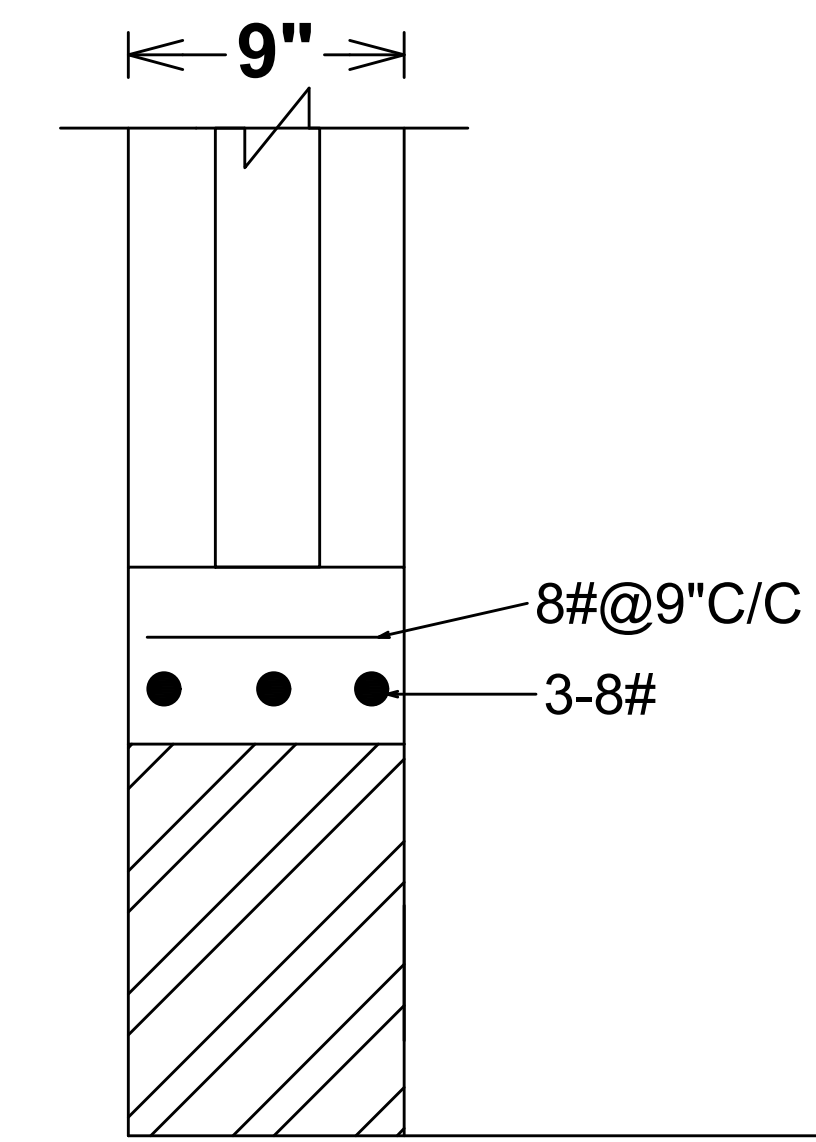
SECTION MLB''

(0'-9" x 1'-3")

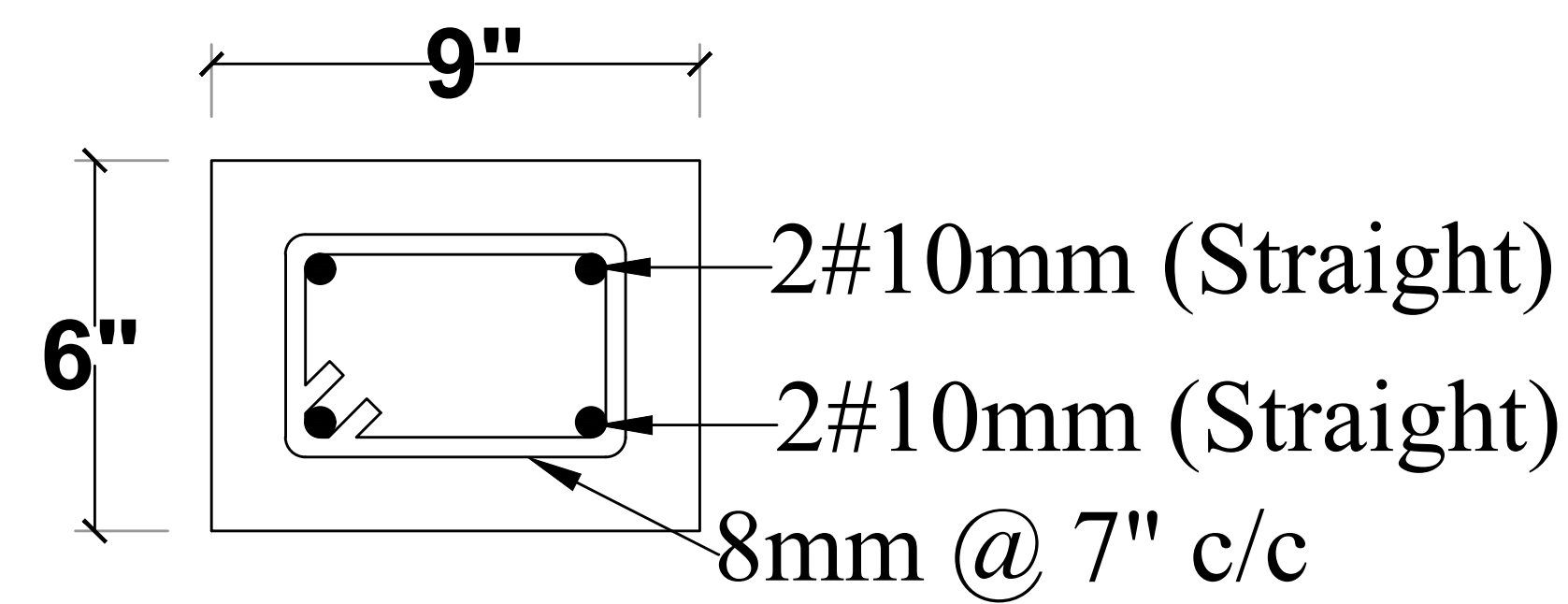
TYP. DETAIL OF STAIRCASE DOWELS

LINTEL BEAM DESIGN

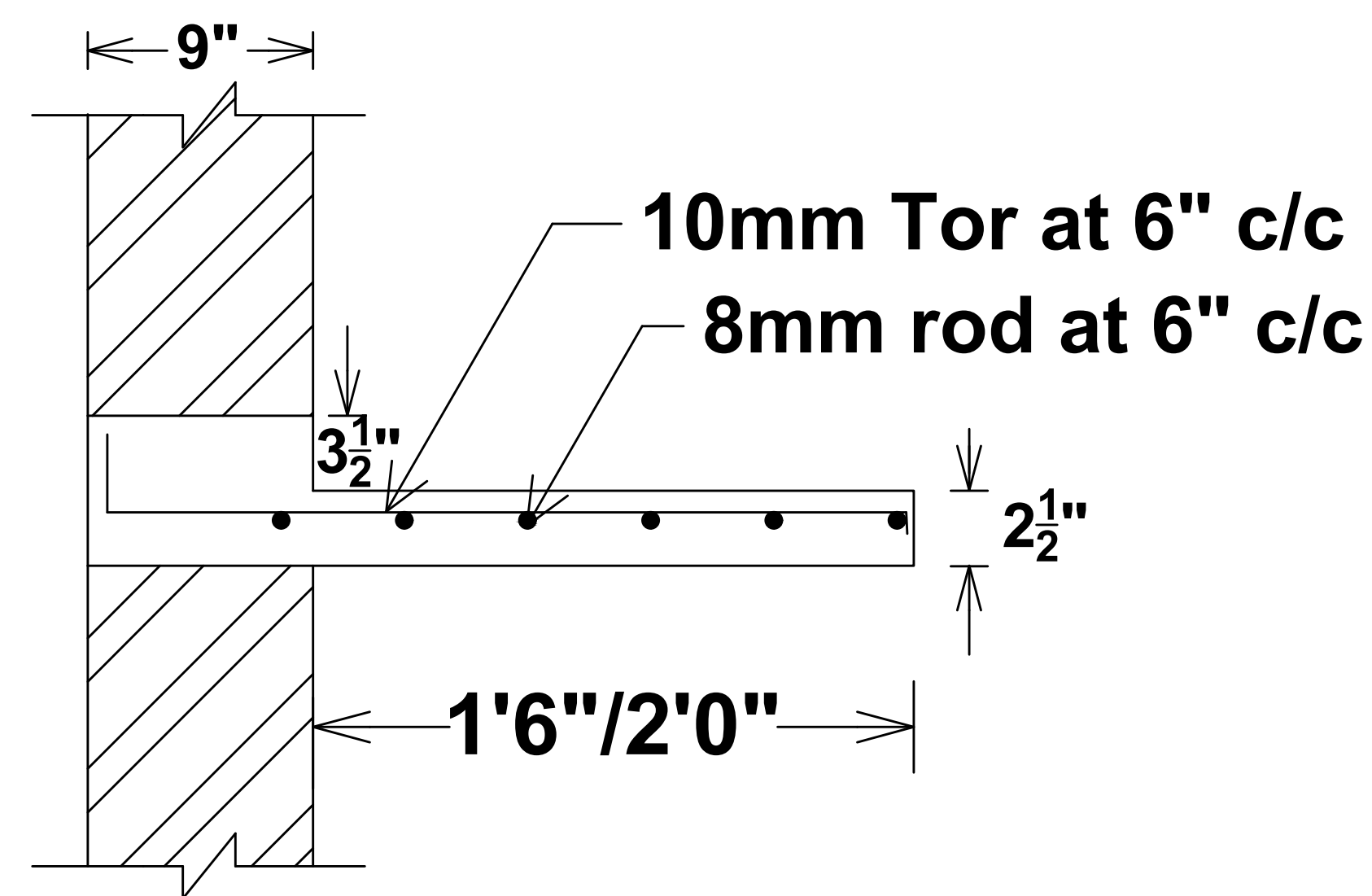
	UP TO 3'-0" OPENING	3'0" - 5'0" OPENING	5'0" - 7'0" OPENING	7'0" - 10'0" OPENING
4.5" THK WALL				
9" THK WALL				



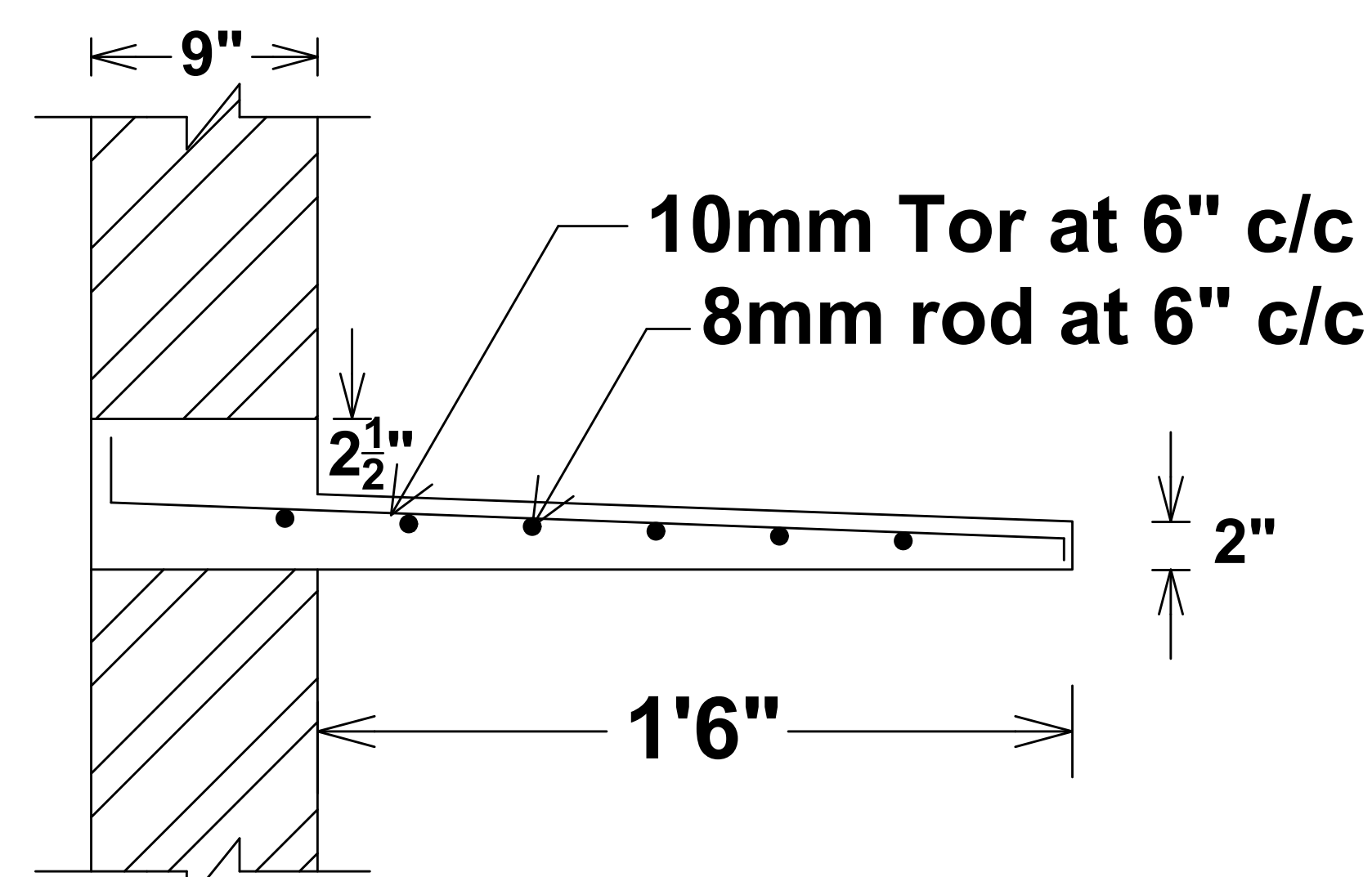
**R.C.C Sill slab @
Window Sill
Level - 9" x 3"**
(9" Extra Two Sides Of
Opening)



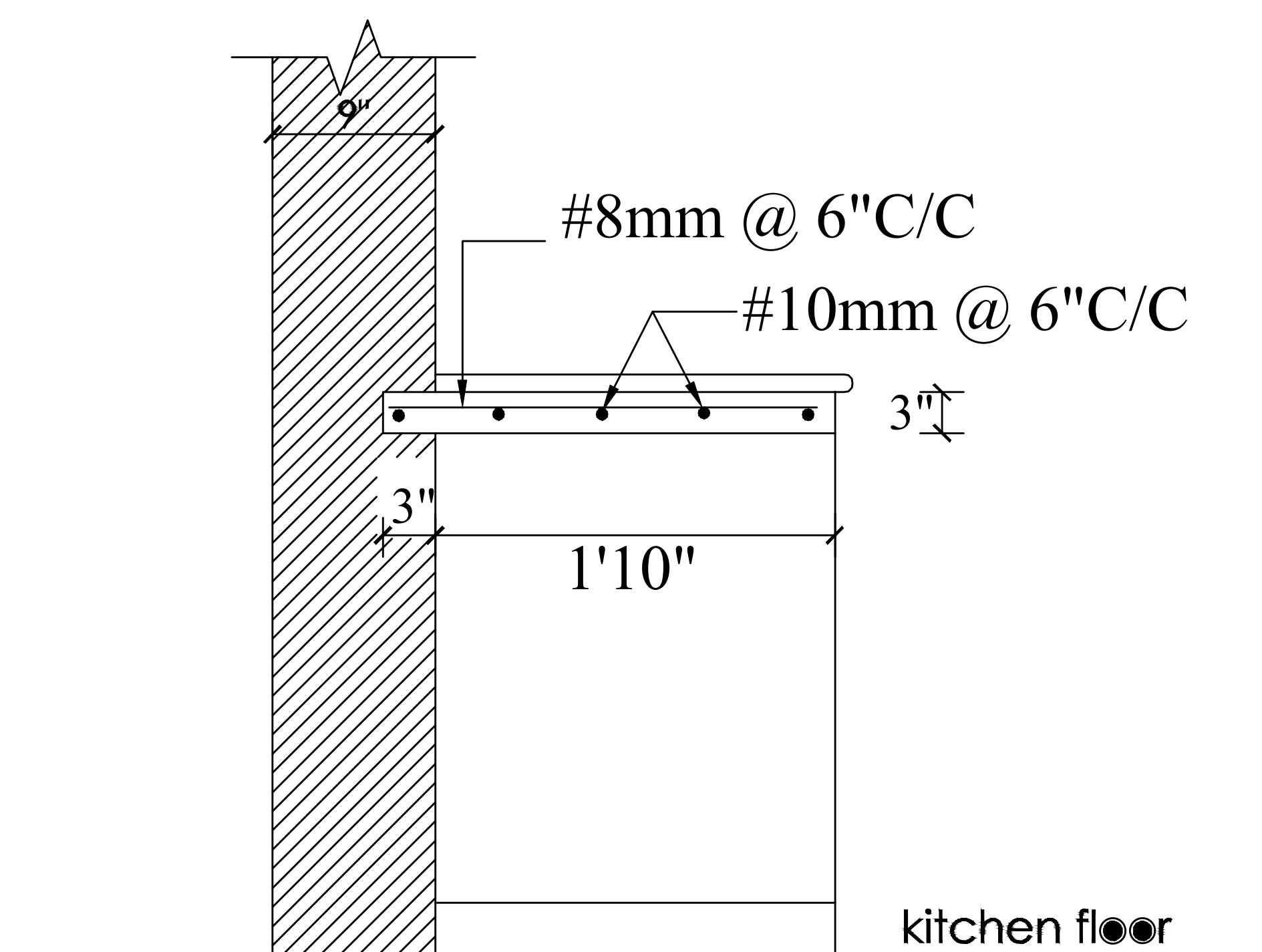
Continuous Lintel



LOFT SLAB 1'6"/2'0" LENGTH

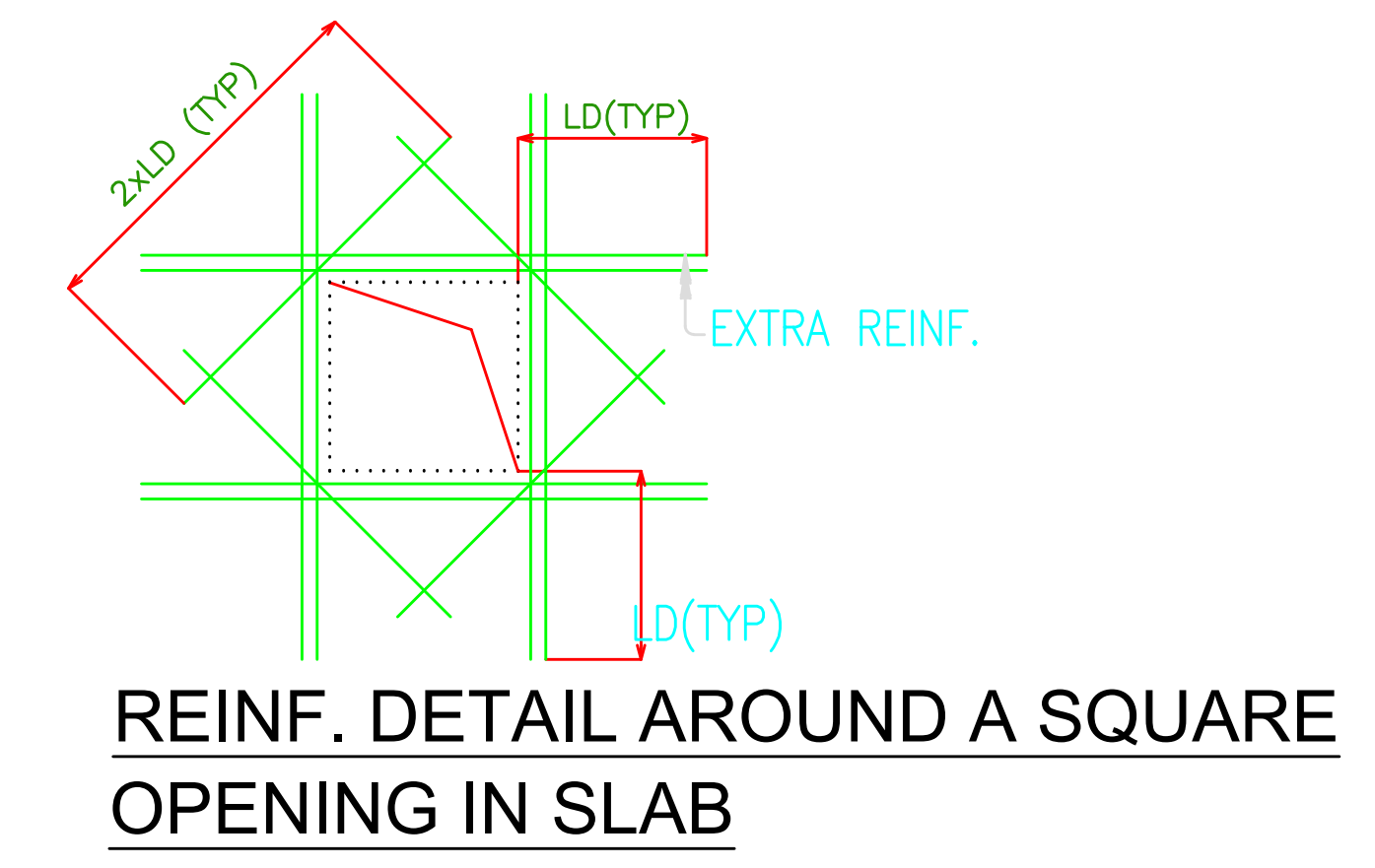
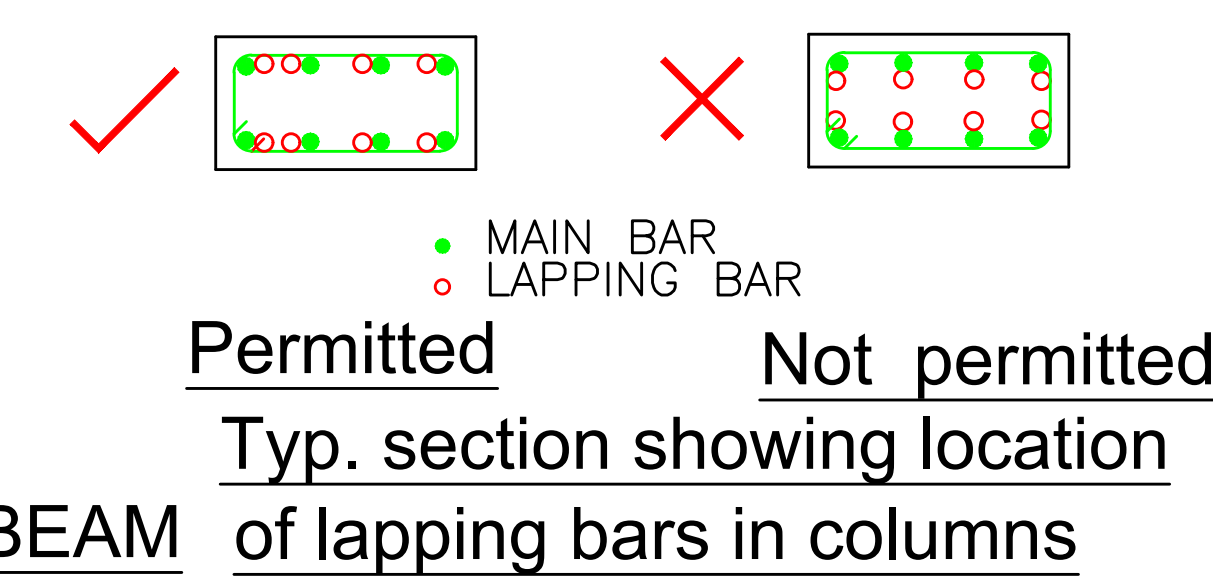
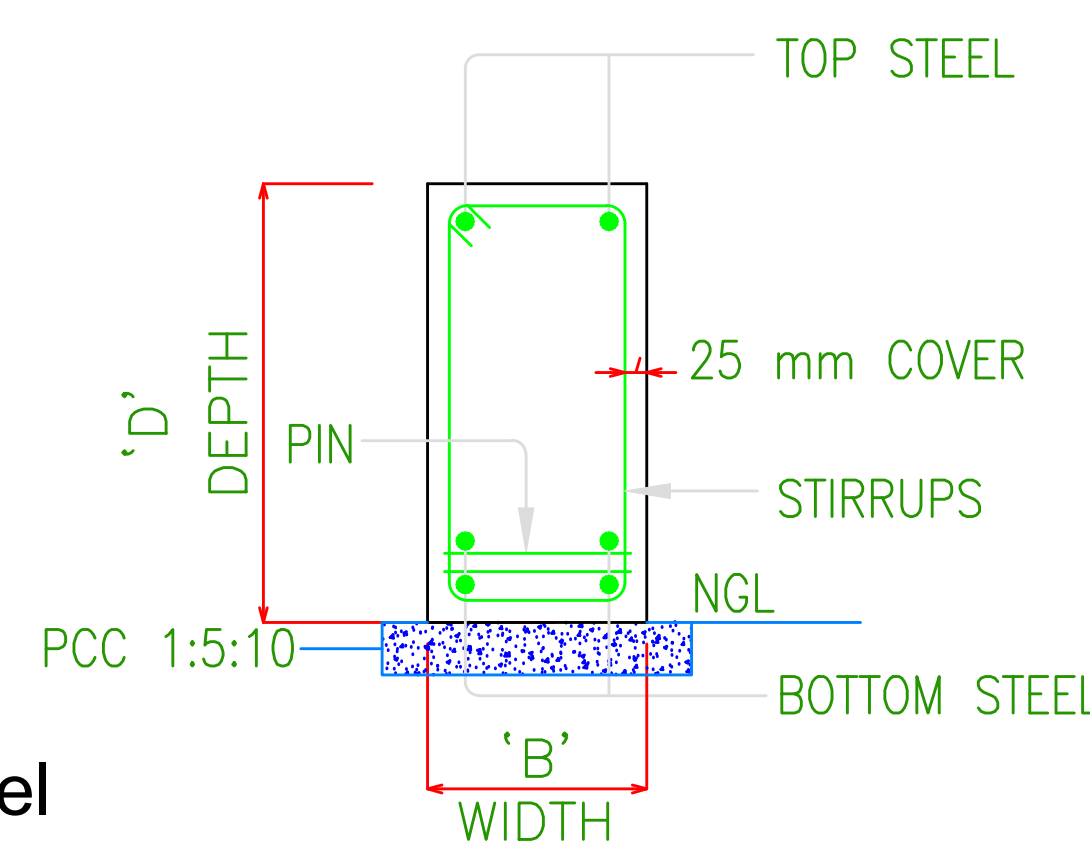
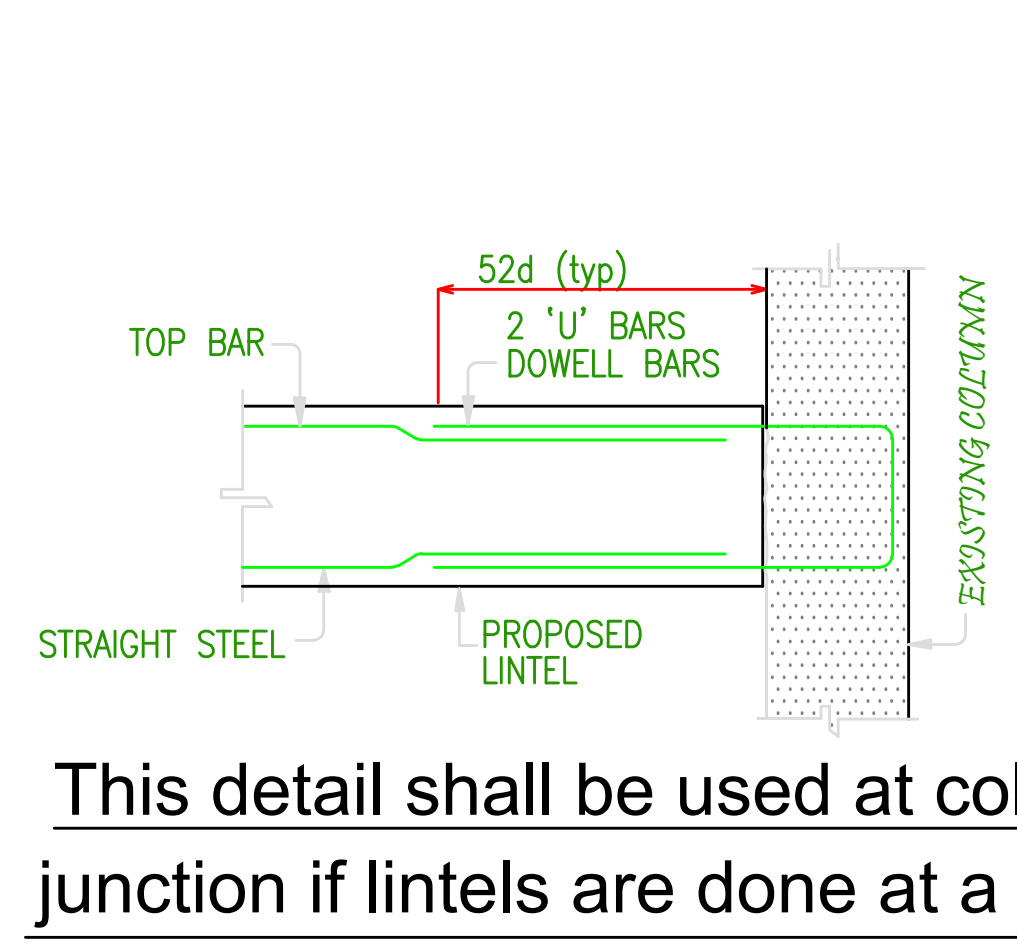
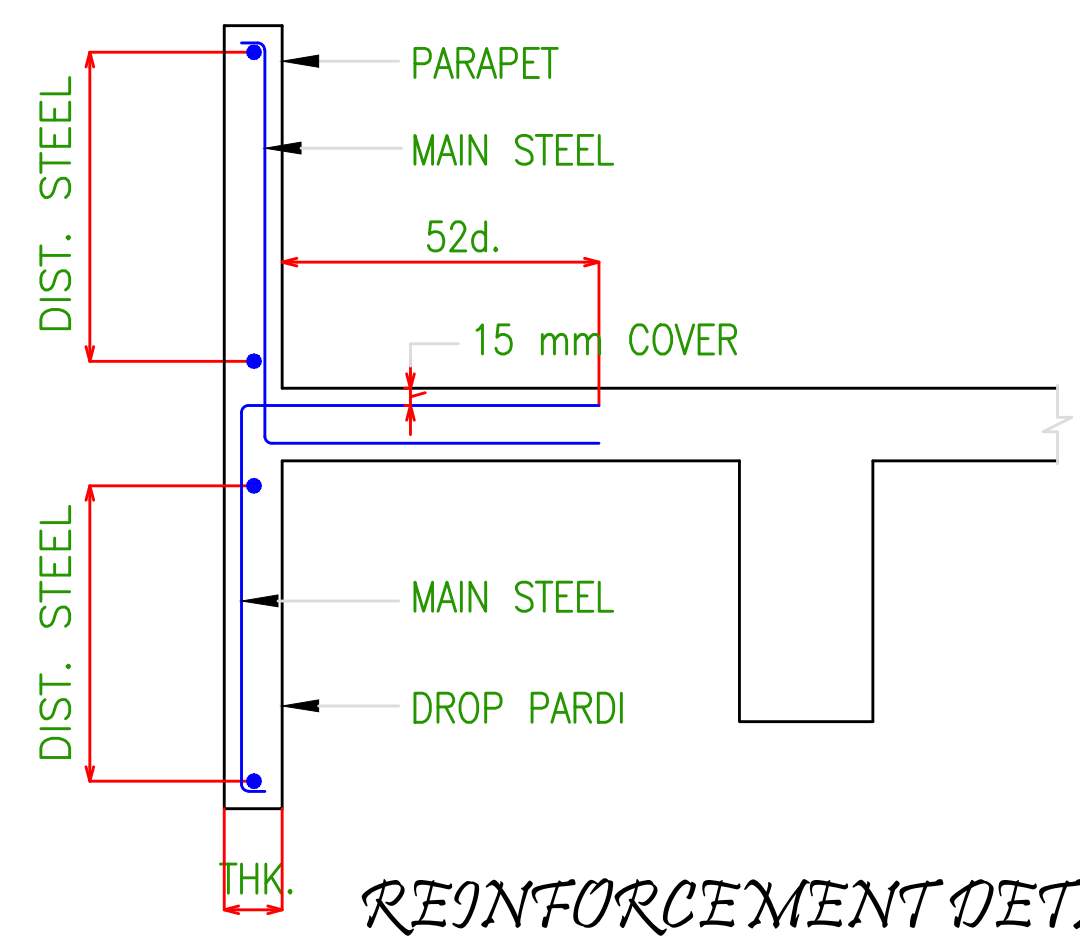
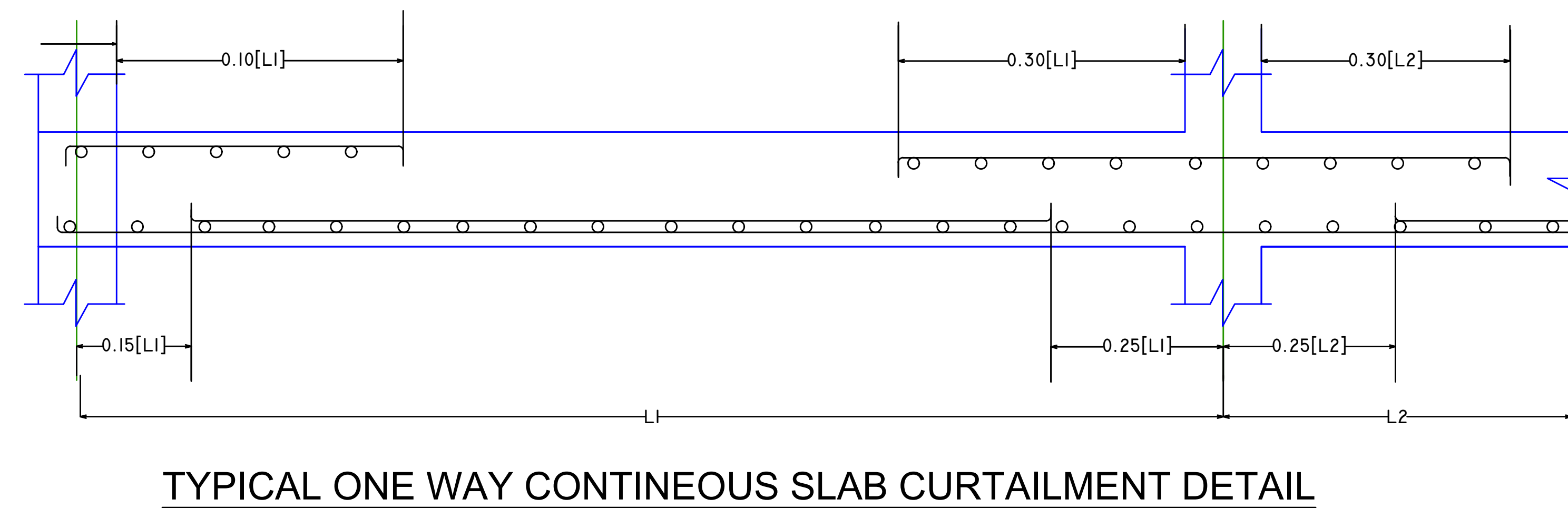
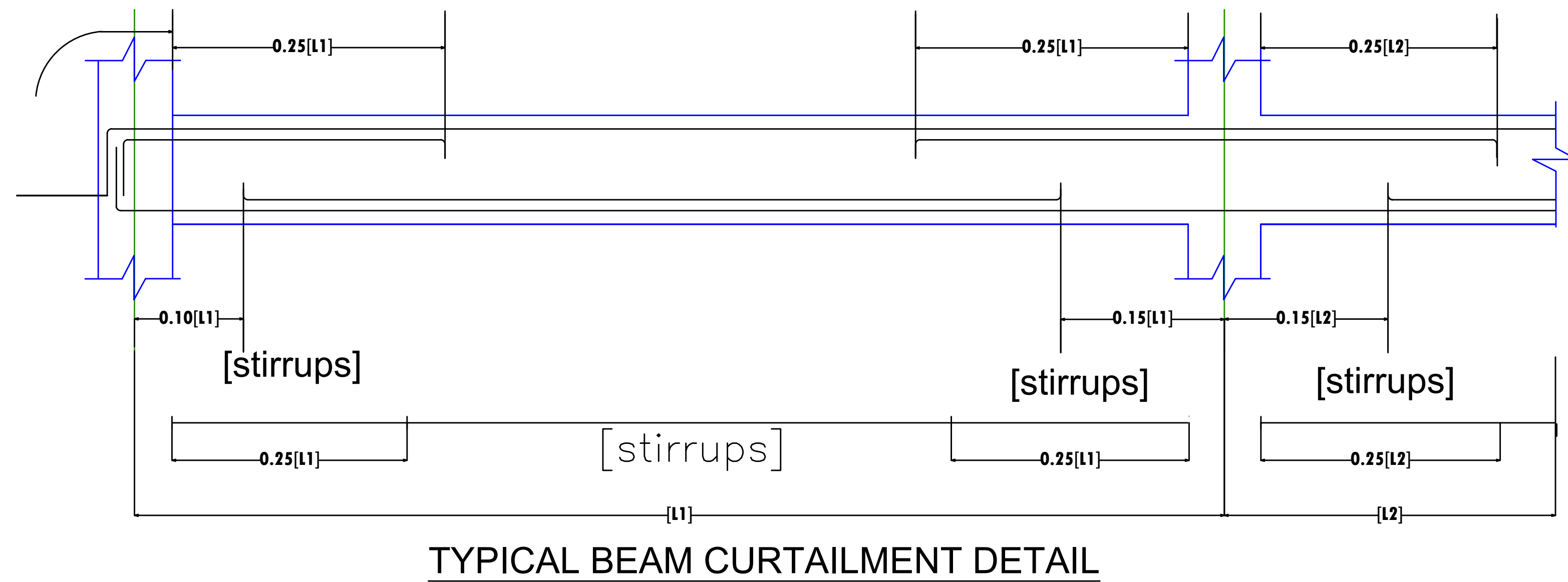
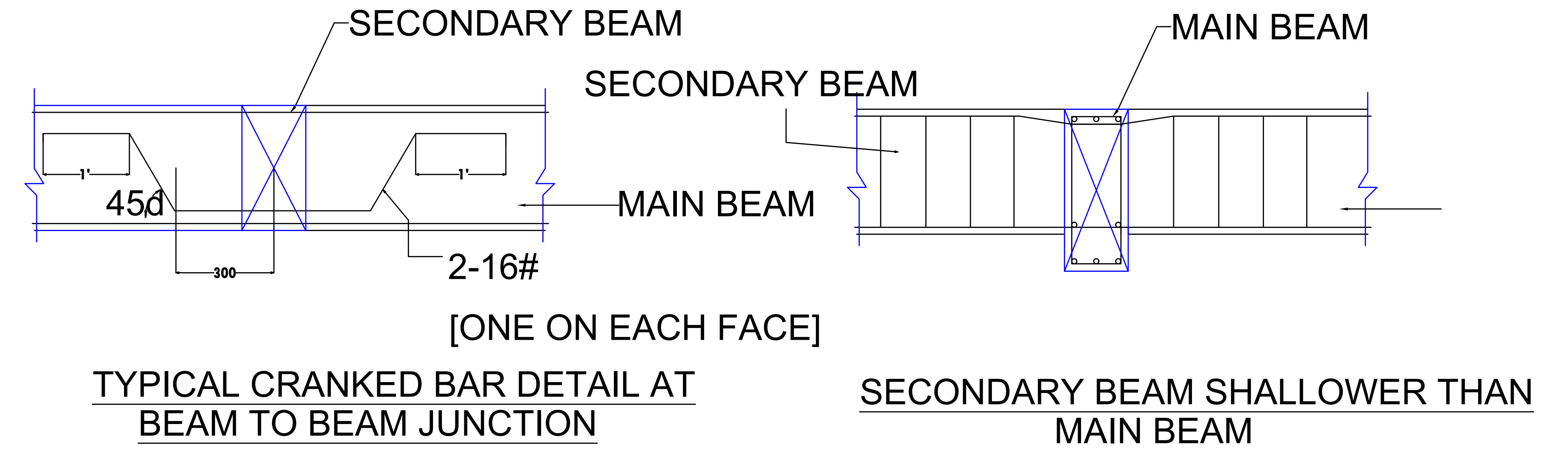
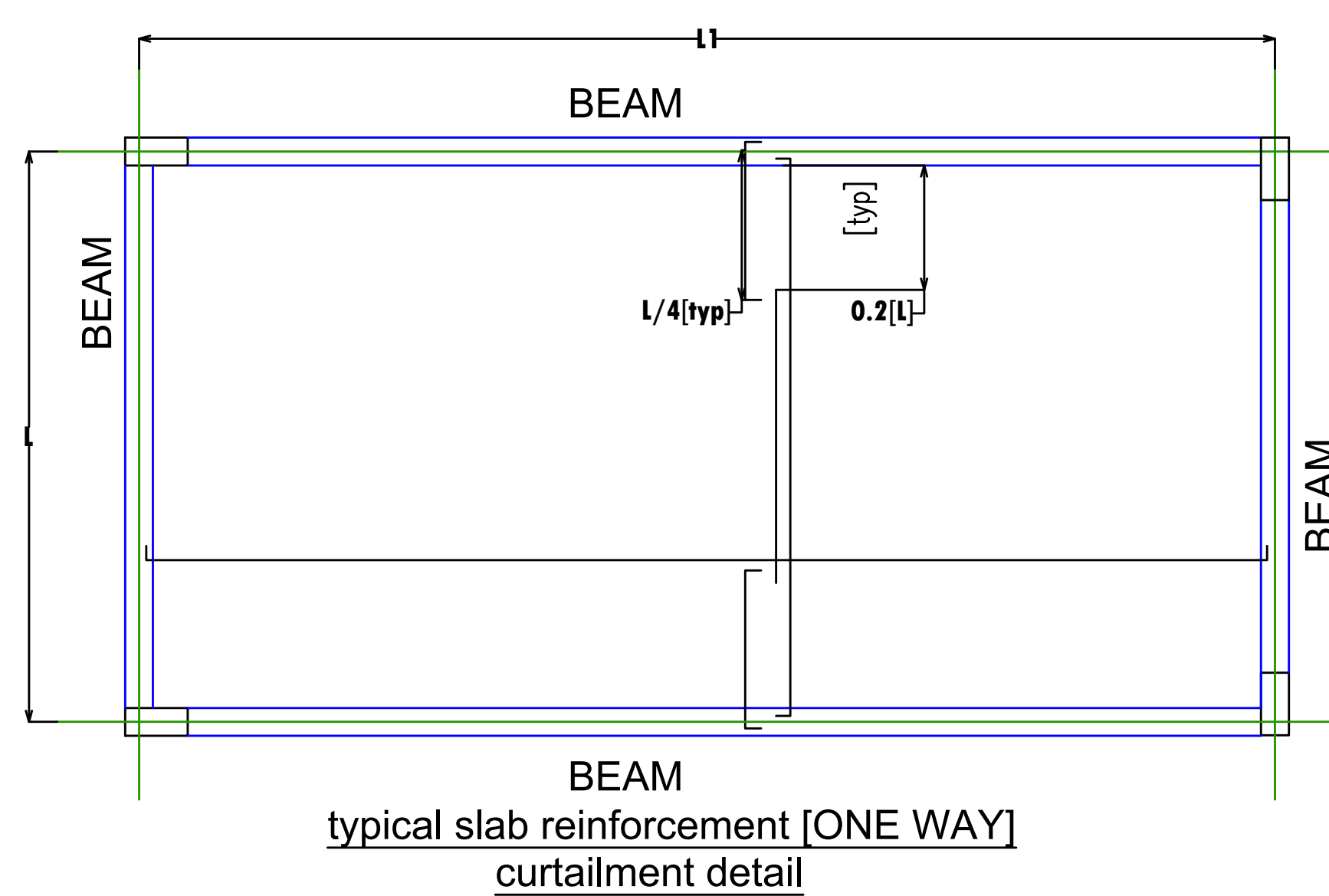
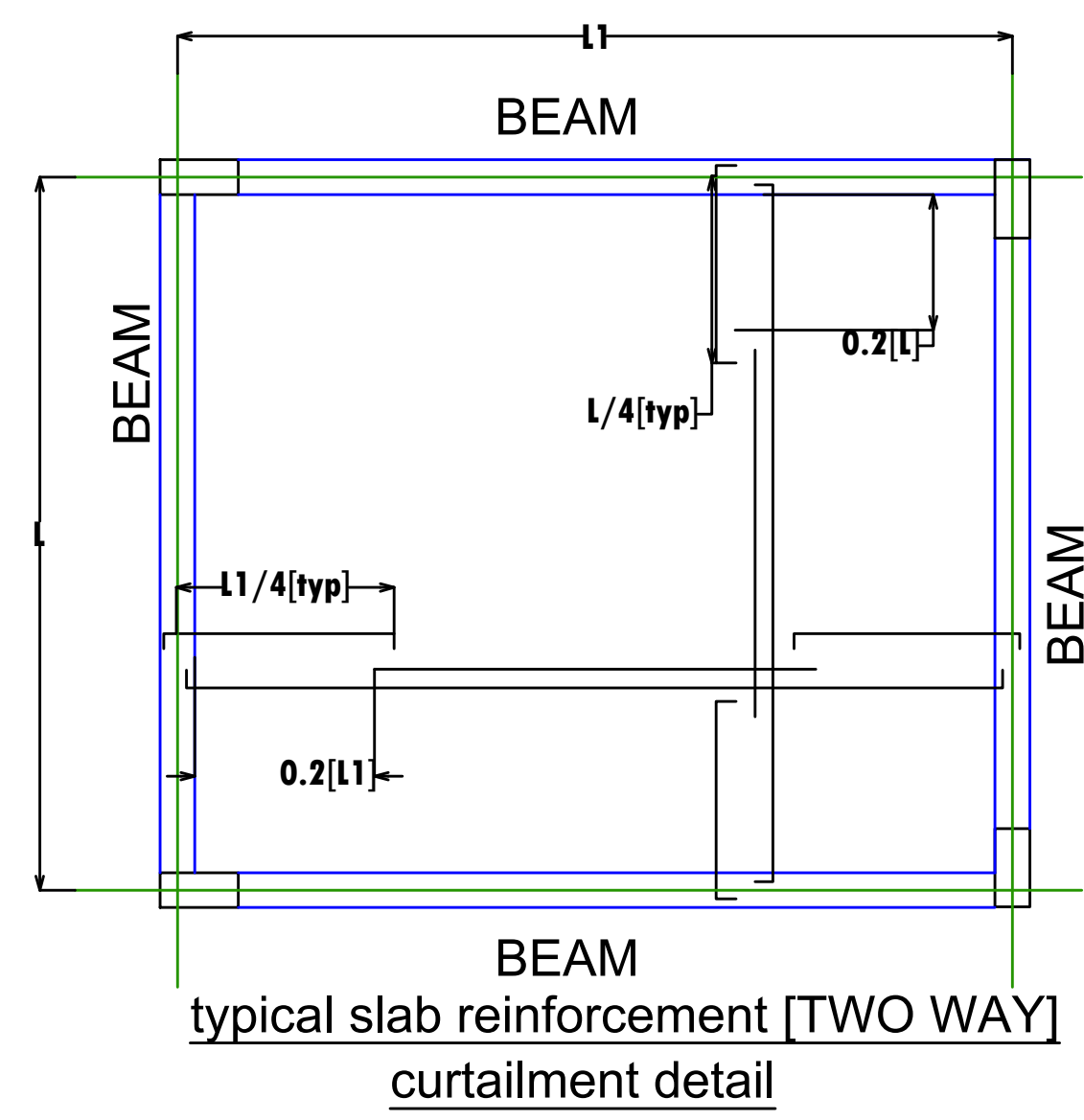


SUNSHADE 1'6"/2'0" LENGTH

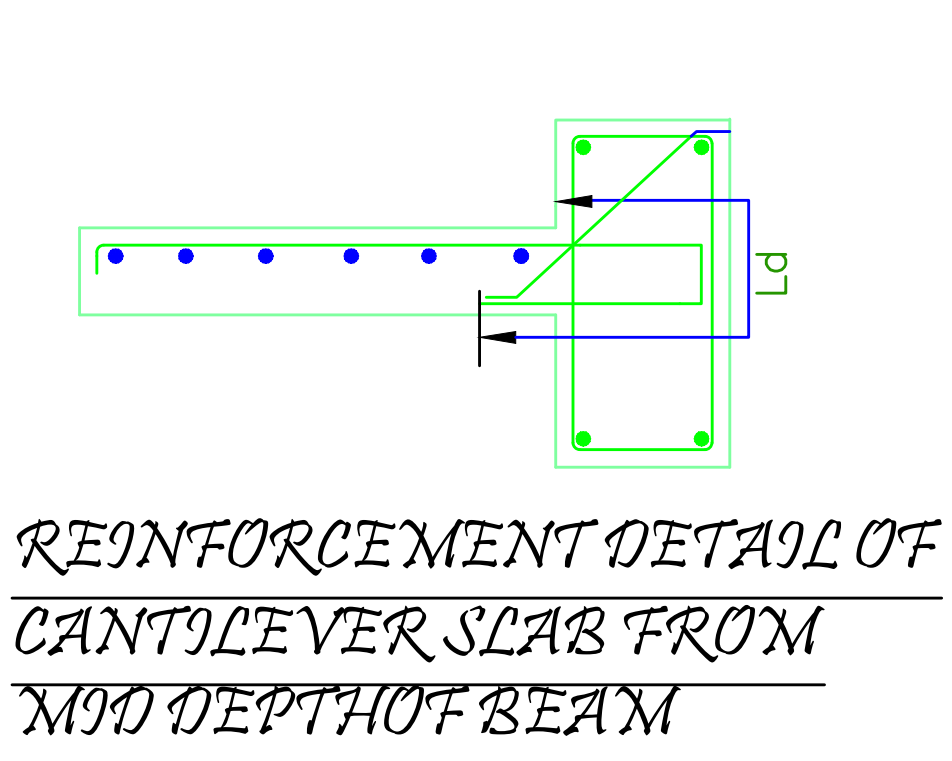
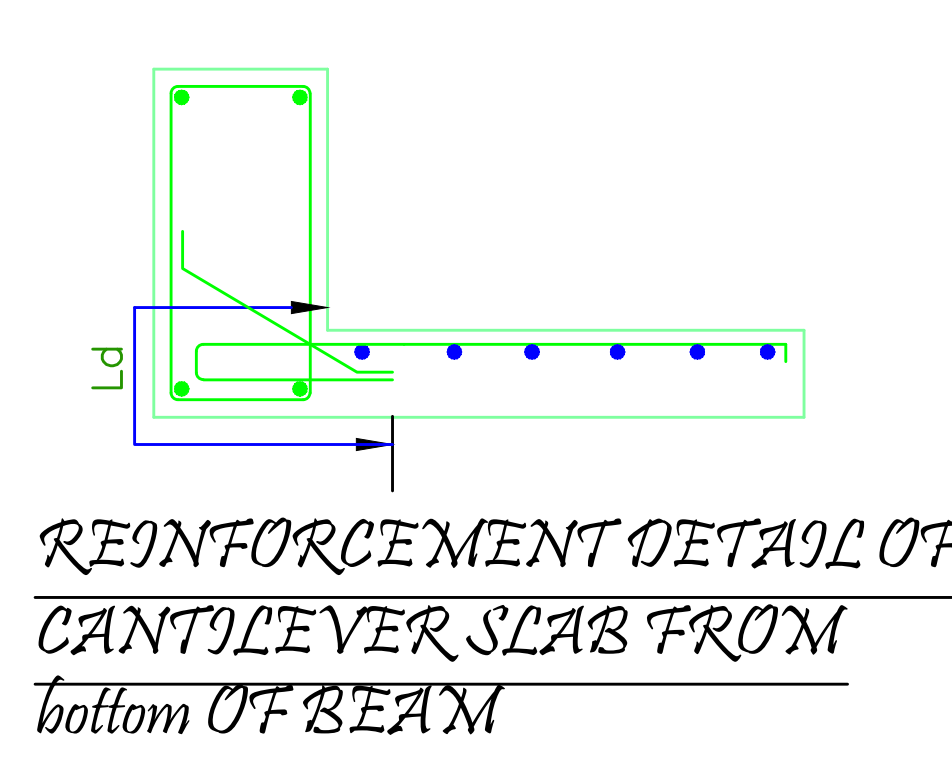
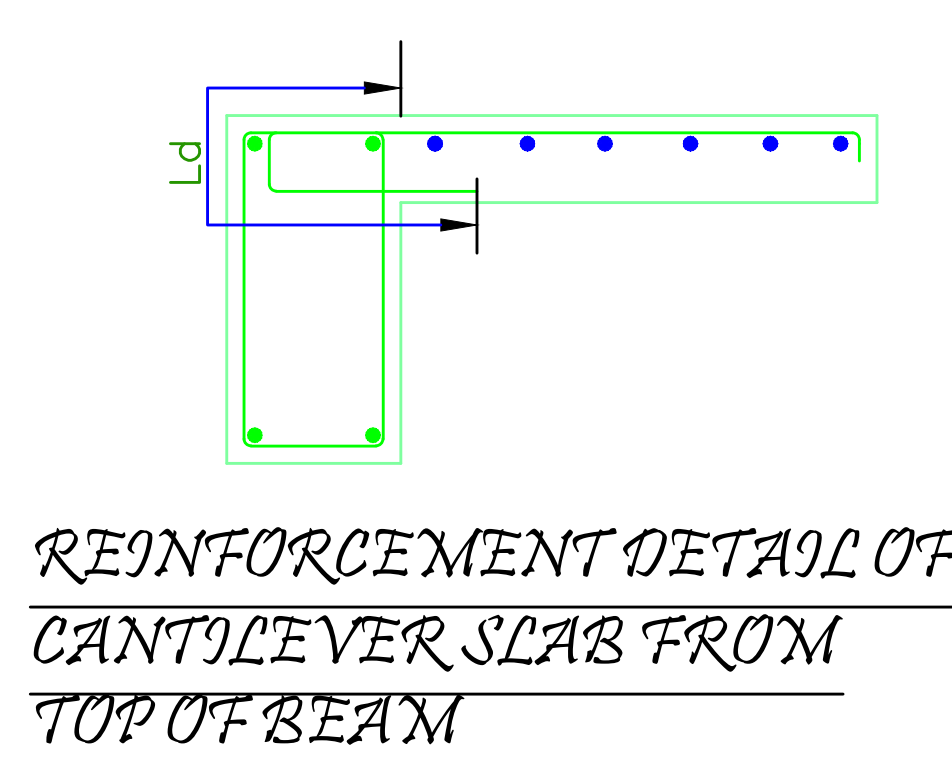


TYPICAL KITCHEN PLATFORM SLAB

LINTEL DETAILS



ANCHORAGE LENGTH(Ld) (Fe 550 steel)	
Grade of Concrete	M-20
Tension	47d
Compression	38d



IMPORTANT NOTES:

1. Concreting at site shall be started only after varifying all fabrication of reinforced bar done for various members,(via) beams,slabs,column,footing,etc.,and should be checked as per the structural latest revision drawings by qualified civil engineer to avoid any mistake at site. in fabrication of reinforcement bar.
2. Concrete should be monolithically for cantiliver slab and beams.
3. For column which are adjacent to the sump base slab septic tank base slab depth of column foundation should be well below sump base slab/septic tank base slab.
4. If the height of the basement level exceeds 3'6" from the existing ground level (or) if height of the column between plinth beam top lvl to ground floor roof beam bottom lvl exceed 11'6" provide plinth beam at two levels first GB at existing g.l as shown in grade beam layout and second pb at finished ground floor lvl the size of PB is(9"x9")with. 3nos12#at top&bottom and8st2@8"c/c..

SOIL NOTES:

1. The excavated soil can not be used for backfilling purpose.
2. The top soil is of medium swelling type,hence,it will exert upwart thrust on the groundfloor flooring,hence, it is suggested to remove top 30-40cms of natural soil and replace with quarry dust/sand/gravel for ground floor flooring.
3. After the excavation,the foundation trenches should be compacted properly before laying the foundation.The top slush should be removed and the surface compacted properly.As a precautionary measures, spread brick-bats/gravels and compact the bottom of the pit. The foundation can be subsequently placed over this prepared surface.

NOTES:

1. ADOPT M20 CONCRETE ALL RCC WORKS. MIX FOR.
2. REPRESENTS FE550 STEEL.
3. PROVIDE CLEAR COVER AS BELOW(UNLESS SPECIFIED)
A) SLAB-20MM
B) BEAM-25MM
C) COLUMN-40MM
D) FOOTING-50MM
4. TAKE SBC-26T/SQM
5. DESIGN FOR G+1 FLOOR.
6. TAKE NGL TO FFL HEIGHT 3'0"
7. CONTINUOUS LINTEL MUST BE PROVIDED FOR ALL LINTEL LEVEL.
8. DEPTH OF FOOTING 5'6" FROM THE NGL.

DESHUTTERING TIME

1. TYPE OF FORMWORK FOR :	MINIMUM PERIOD [EXCLUDING THE DAY OF CASTING]
a) SLABS UPTO 4.5M.	7 DAYS
OVER 4.5M.	14 DAYS
b) BEAMS UPTO 6.0M.	14 DAYS
OVER 6.0M.	21 DAYS

2. SIMPLY SUPPORTED & CONTINUOUS SPANS SHALL BE DESHUTTERED FROM MID SPAN TOWARDS SUPPORTS. CANTILEVERS SHALL BE DESHUTTERED FROM FREE END TOWARDS SUPPORTS.
3. SLAB/BEAMS SHALL BE REPROPPED UNTILL THE NEXT LEVEL SLAB IS CAST & DESHUTTERED.