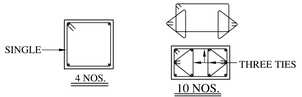
COLUMN AND FOOTING SCHEDULE :

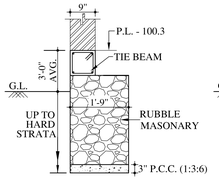
GROUND FLOOR	SIZE	12" x 21"	12" x 21"	As per Detail	9" x 21"	12" x 21"	12" x 21"	12" x 21"	12" x 21"	12" x 21"	12" x 21"
	STEEL	6 - #12 + 4 - #16	6 - #12 + 4 - #16		10 - #12	6 - #12 + 4 - #16	6 - #12 + 4 - #16	6 - #12 + 4 - #16	6 - #12 + 4 - #16	6 - #12 + 4 - #16	6 - #12 + 4 - #16
R.C.C. FOOTING	SIZE	4' 9" x 4' 0"	8' 0" x 9' 6"		4' 6" x 6' 0"			5' 3" x 4' 9"		5' 0" x 4' 6"	
	T , t	18" , 9"	27" , 12"		21" , 9"			18" , 9"		18" , 9"	
	LONG BARS	9 - #10	17 - #10		10 - #10			10 - #10		9 - #10	
	SHORT BARS	10 - #10	20 - #10		12 - #10			11 - #10		10 - #10	
P. C. C. (1 : 3 : 6) , 4 1/2" THICK		5' 9" x 5' 0"	9' 0" x 10' 6"		5' 6" x 7' 0"			6' 3" x 5' 9"		6' 0" x 5' 6"	
COLUMN NO :-		JC3,JC5	JC4	SF2	JC6	JC9	JC14	JC15,JC20	JC12,JC19	JC16,JC18,JC22	JC13,JC17,JC21



SQUARE COLUMN RECTANGULAR COLUMN

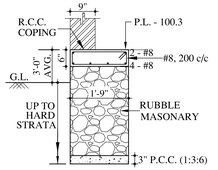
ARRANGEMENT OF VERTICAL BARS AND HORIZONTAL BINDERS IN COLUMNS

COLUMN TIES (OR BEAM STIRRUPS) DETAILS



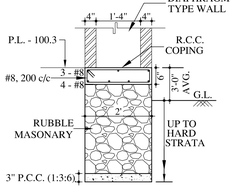
SECTION " A-A " (WL-1)

(SCALE:- 1:24)



SECTION " B-B " (WL-2)

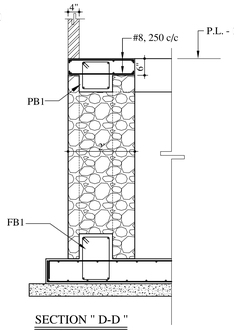
(SCALE:- 1:24)



SECTION " C-C " (WL-3)

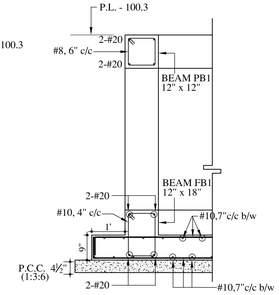
(SCALE:- 1:24)

NOTE:- WHEREVER PLINTH HEIGHT EXCEEDS 3' 0" FROM EXISTING GROUND LEVEL, EARTH FILLING ON OUTER SIDE SHOULD BE DONE TO KEEP THE EFFECTIVE RETAINED HEIGHT OF EARTH IN PLINTH AT 3' 0"

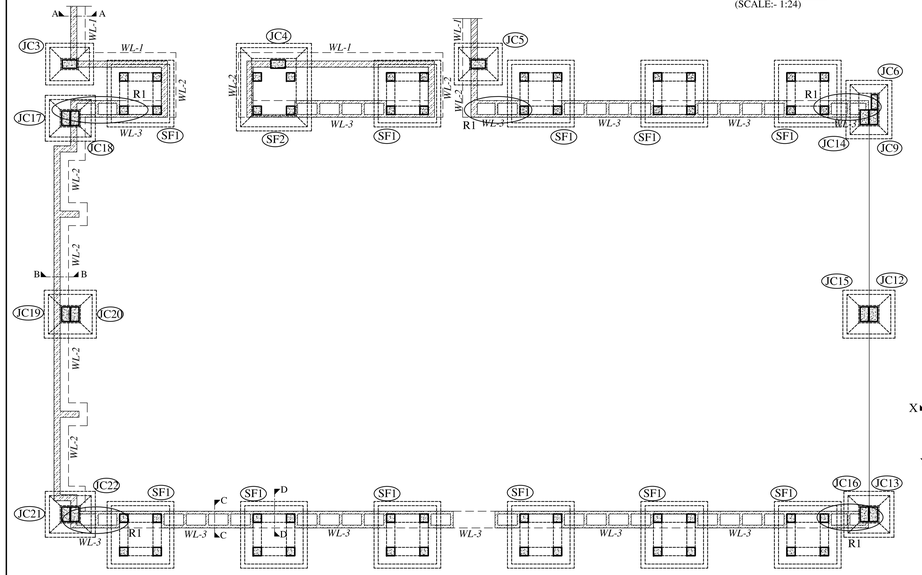


SECTION " D-D "

(SCALE:- 1:24)

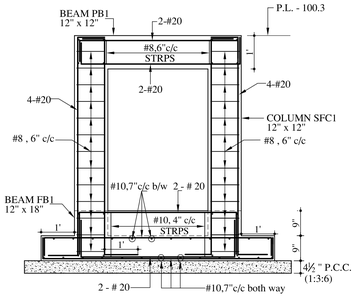


SECTION " Y-Y "

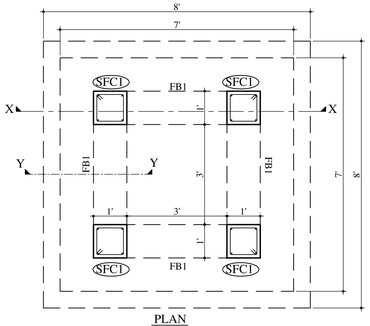


FRAMING PLAN AT FOUNDATION LEVEL - PART 2

(SCALE:- 1:96)



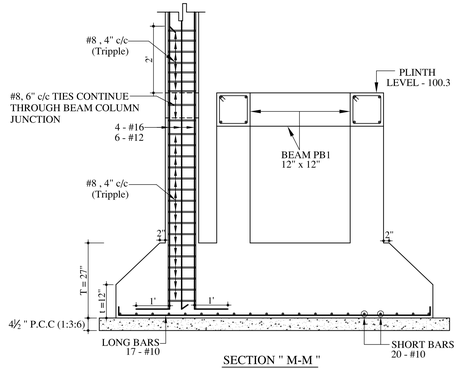
SECTION " X-X "



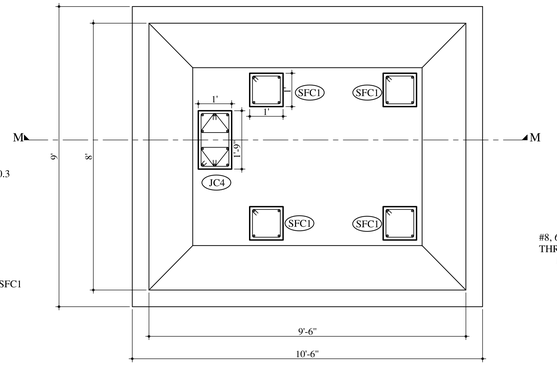
PLAN

FOUNDATION DETAIL FOR STEEL FRAME - SF1

(SCALE:- 1:24)



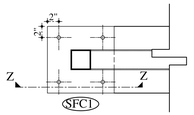
SECTION " M-M "



PLAN

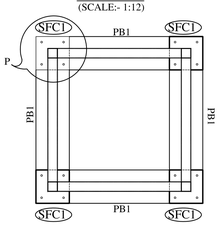
DETAIL FOR COLUMN - JC4 & SF2

(SCALE:- 1:24)



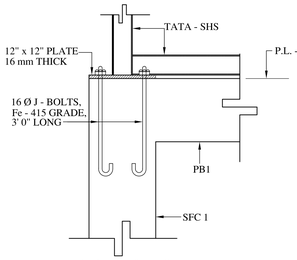
DETAIL 'P'

(SCALE:- 1:12)

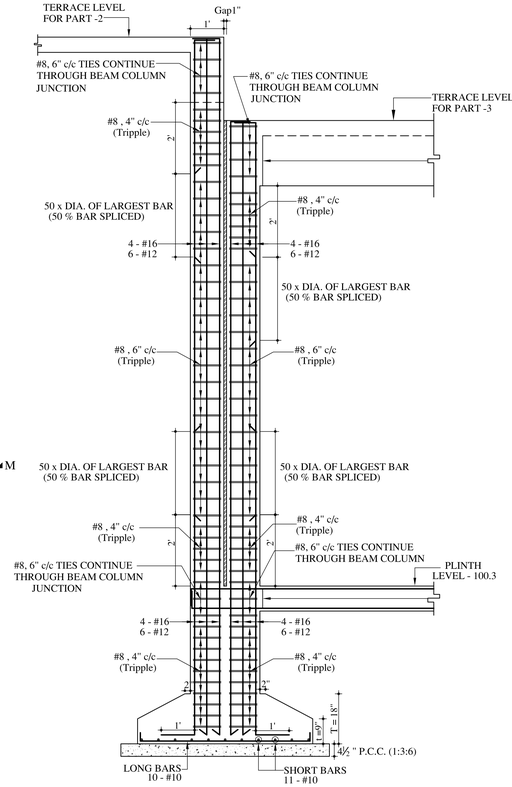


FRAMING PLAN AT PLINTH LEVEL FOR SF1

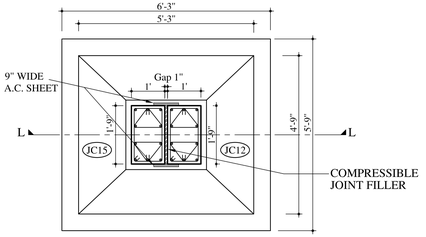
(SCALE:- 1:24)



SECTION " Z-Z "



SECTION " L-L "



PLAN

DETAIL FOR COLUMN - JC12 & JC15

(SCALE:- 1:24)

NOTES:-

1) CONCRETE MIX M-20 CONFORMING TO IS:456-2000, SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2) CLEAR COVER TO REINFORCEMENT IN,
   A) FOOTINGS = 2"
   B) COLUMN = 1½"
   C) BEAM = 1"
   D) SLAB = ½"
   SHALL BE PROVIDED.
3) CONCRETE SHALL BE MACHINE MIXED, MACHINE VIBRATED AND SHALL BE CONSTANTLY WET FOR SEVEN DAYS AFTER DATE OF PLACING.
4) FOR CONCRETING OF ANY COMPONENT, FREE FALLING HEIGHT FOR CONCRETE SHALL NOT BE MORE THAN 5' 0"
5) Ø INDICATES MILD STEEL BARS CONFORMING IS:432-1982 OR EQUIVALENT.
6) # INDICATES TMT BARS OF Fe - 415 GRADE CONFORMING TO IS:1786-1985 OR EQUIVALENT.
7) PART 2 OF THE BUILDING HAS BEEN DESIGNED AS A GROUND STOREY FACTORY BUILDING WITH NO FUTURE PROVISION FOR ANY VERTICAL EXPANSION.
8) THERE IS NO PROVISION FOR ANY OVER HEAD WATER TANK ON TERRACE OF PART 2 OF THE BUILDING.
9) CS MORTAR 1:6 SHALL BE USED FOR ALL MASONRY WORK.
10) DIMENSIONS ARE TO BE READ AND NOT MEASURED.
11) ANY DISCREPANCY IN THE STRUCTURAL DRAWINGS OR BETWEEN ARCHITECTURAL DRAWINGS AND STRUCTURAL DRAWINGS, SHALL BE BROUGHT TO THE NOTICE OF THE ENGINEER IN CHARGE, BEFORE FURTHER PROGRESS OF THE WORK.

REV. NO.	REV. DATE	REVISION DETAILS	APPD. BY

	NAME	SIGN	DATE
DRAWN BY:-			
CHECKED BY:-			
APPROVED BY:-			

PRINCIPAL CLIENT :-

ARCHITECT:-

PROJECT TITLE:-

DRG. NO.

DRAWING TITLE:-
COLUMN, FOOTING AND STEEL PORTAL FOUNDATION DETAILS

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