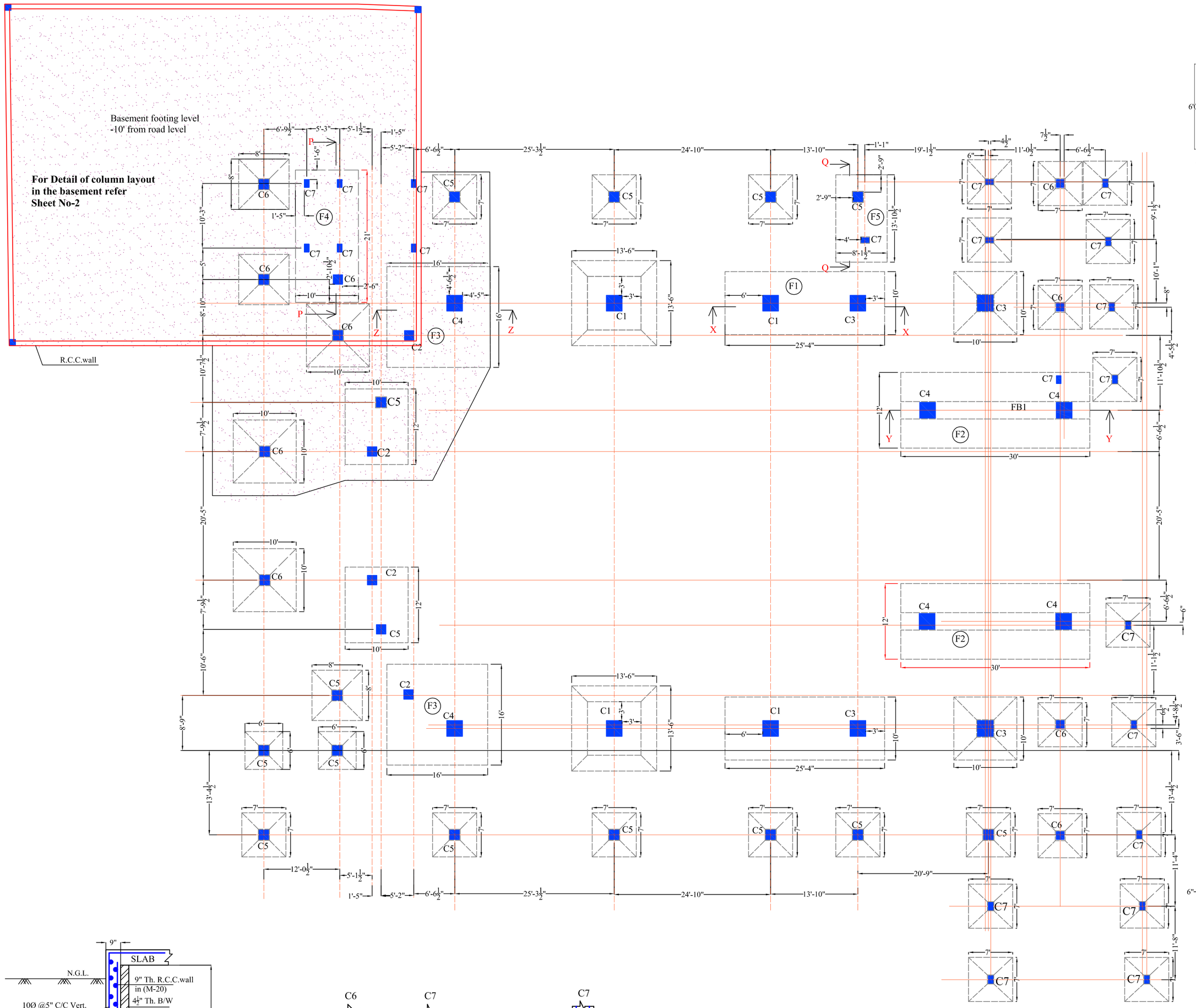
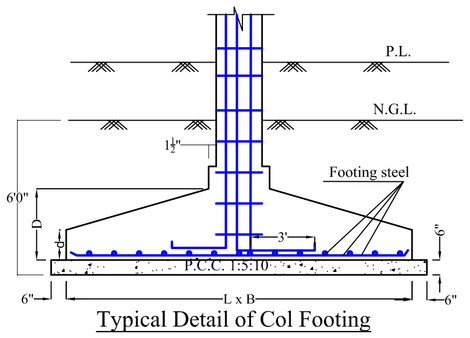
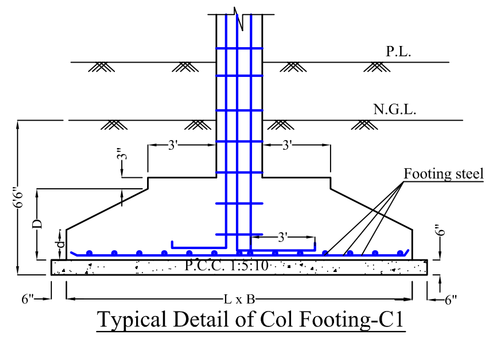


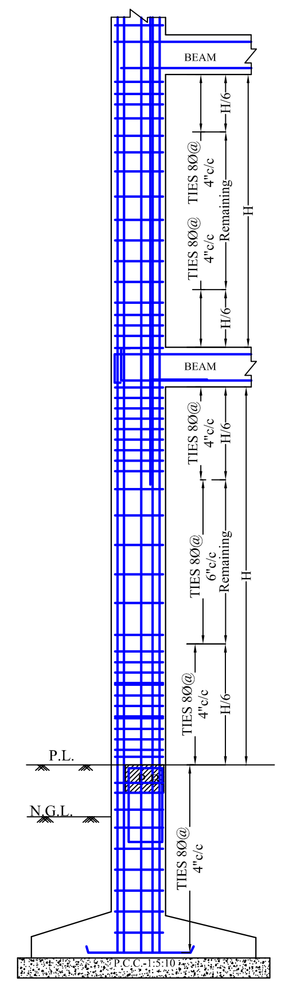


Typical Detail of Col Footing

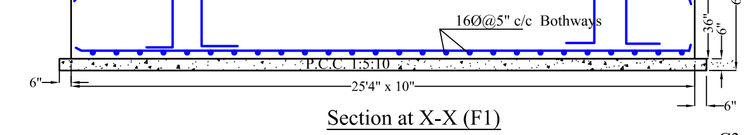


Typical Detail of Col Footing-C1

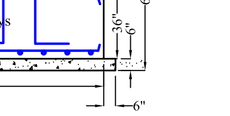
COL NO.	SIZE	COLUMN STEEL MAIN	COLUMN STEEL TIES	FOOTING SIZE L	B	D	d	FOOTING STEEL	FIG.
C1	30"x30"	16-25Ø+ 8-20Ø	8Ø@4"C/C FOR H/6 & 8Ø@6"C/C FOR Remaining (3-Set of ties)	13'6"	13'6"	40"	18"	16Ø@ 5"C/C BOTH WAY	
C2	18"x18"	14-20Ø		16'	16'	30"	30"	12Ø@ 6"C/C Both way at top &16Ø@ 5"C/C Both way at bottom	
C3	30"x30"	24-20Ø		10'	10'	30"	18"	12Ø@ 6"C/C BOTH WAY	
C4	30"x30"	24-25Ø		16'	16'	30"	30"	12Ø@ 6"C/C Both way at top &16Ø@ 5"C/C Both way at bottom	
C5	18"x18"	16-16Ø		7'	7'	24"	12"	12Ø@ 5"C/C BOTH WAY	
C6	15"x15"	12-16Ø		7'	7'	24"	12"	12Ø@ 6"C/C BOTH WAY	
C7	9"x15"	8-16Ø		7'	7'	24"	12"	12Ø@ 6"C/C BOTH WAY	

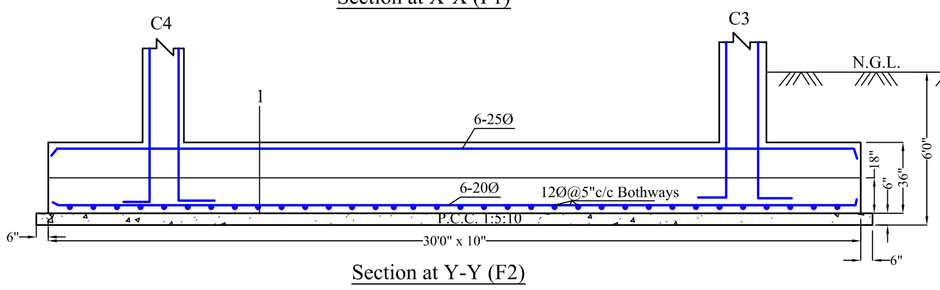


Typical detail of column ties

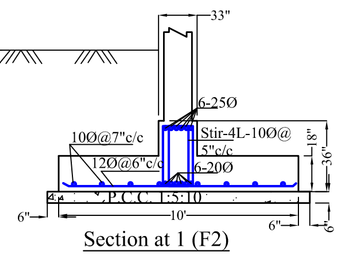


Section at X-X (F1)

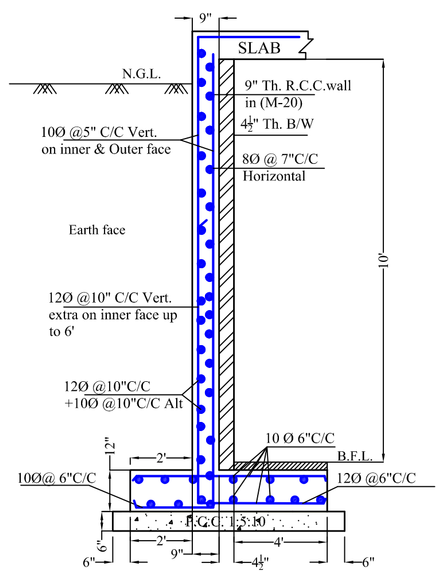


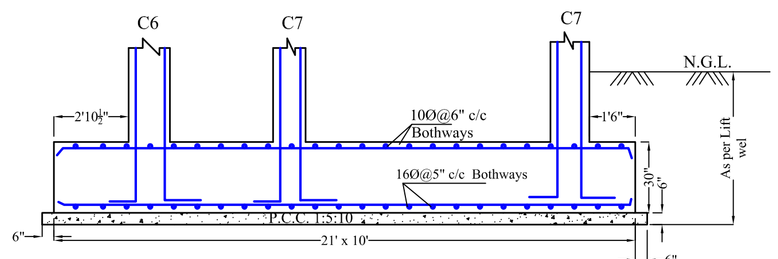


Section at Y-Y (F2)

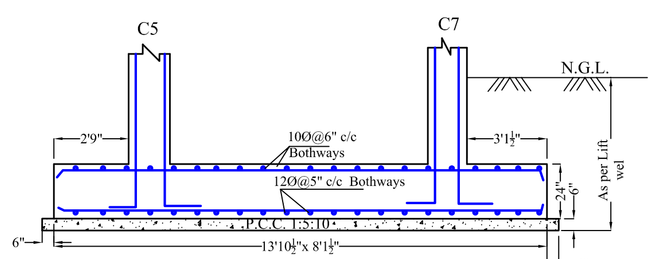


Section at 1 (F2)

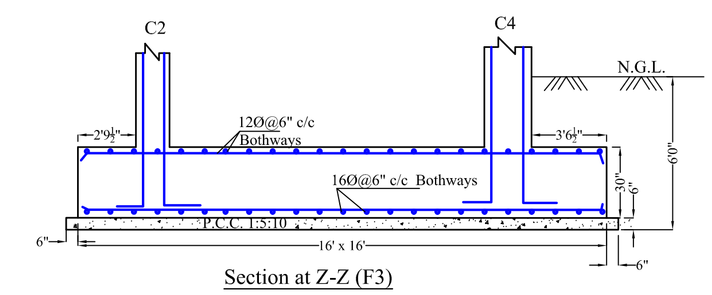




Section at P-P (F4)



Section at Q-Q (F5)



Section at Z-Z (F3)

NOTES :-

1. Grade of concrete is M-20 for all R.C.C. work and M-20 for Slabs only confirming IS 456:2000.
2. P.C.C. in all footing 1:5:10 -6" thick.
3. Ø Indicates tor steel bars dia in mm.& FE 500D grade steel to be used.
4. Clear cover for footing-2" , col-1½", slab- ¾", beam-1"
5. Do not scale the drawing.
6. Lap length should be 50 x dia of bar.
7. All ties should have 135° hook with 10Ø extensions.

NOTES :-

8. Plinth beam (P.B.) should run continuously through all walls.
9. Building has been designed for B.C.-10T/sqm at 6' from N.G.L.
10. All partions walls should be constructed after pouring R.C.C. Slab and removal of shuttering.
11. 1st class brick should be used in brick wall.
12. Any change in the drg or deviation from the drg during the construction will make this drg unfit for the construction and there will be no liability on the college for any damage.

STR DETAIL OF MATA VASINO DEVI MANDIR AT ATAM NAGAR, LUDHIANA.

DESIGNED FOR:-

DESIGNED BY:- Dr. Harvinder Singh Dr. Hardeep Singh Rai

ENDORSED BY:- Dean Testing & Consultancy

TESTING AND CONSULTANCY CELL GURU NANAK DEV ENGG. COLLEGE, LUDHIANA

SHEET NO-1 | REF. NO:- TCC/1088 | 25-01-2016