

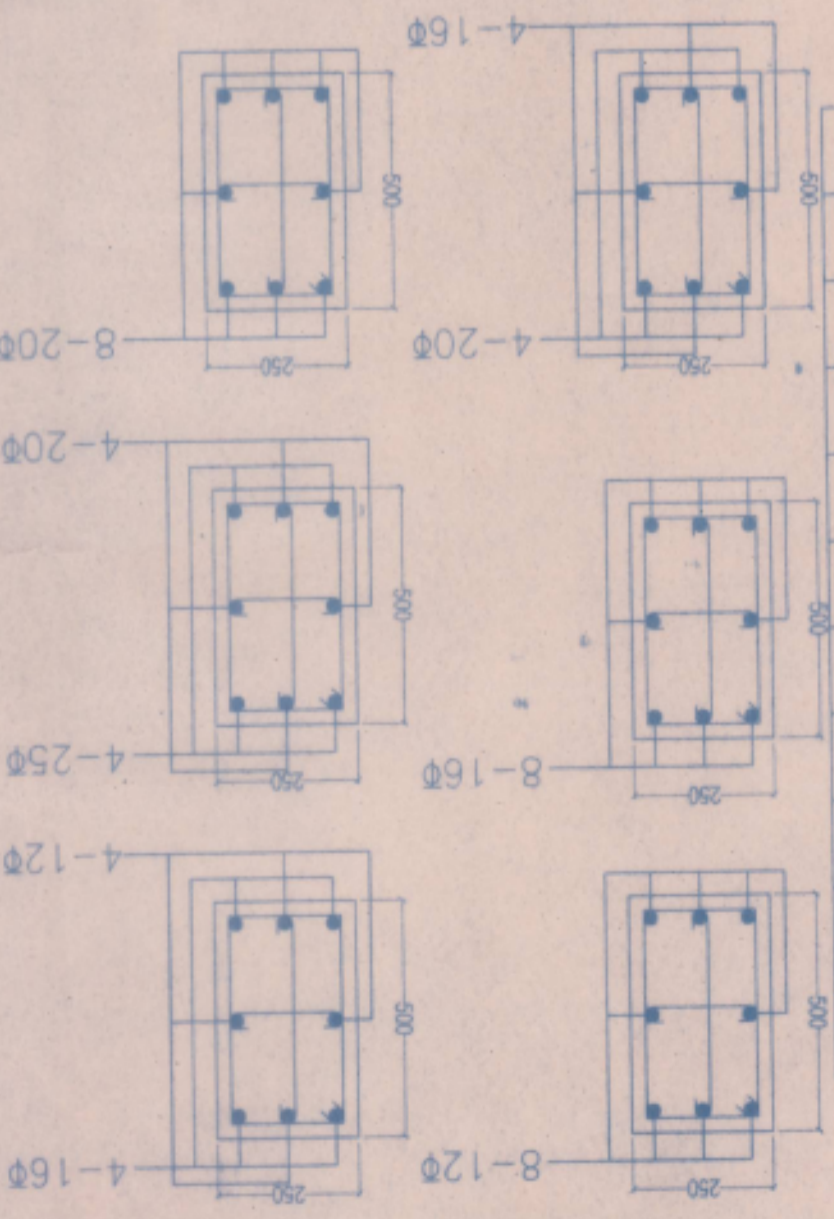
PH:230258, E-mail: grids_consultants@yahoo.com
2nd FLOOR TOWERS, MAIN ROAD RANCHI.
Grids consultants
 Technical Engineer (Structural), License No. 1200
 Drawing Title: **PROPOSED 3 BHK RESIDENTIAL BUILDING COMPLEX, AT HINDALCO CAMPUS, LOHARDAGA, JHARKHAND.**
 Drawn By: **RAJAY KUMAR**
 Checked By: **ANUPAM THAKUR**
 Date of Issue: _____
 Approved By: **For Hindalco Industries Ltd.**
 Released For: **CONSTRUCTION**
 Scale: **As Shown**
 Drawing No.: _____

REVISION	DATE	DESCRIPTION	REMOVED	SIGNATURE
001	29/04/09	FUTURE EXPANSION OF FOURTH FLOOR		

NOTES:
 1. ALL DIMENSIONS ARE IN MM.
 2. CONC SHALL BE OF GRADE M-20(1:1.5:2.5).
 3. REINF. SHALL BE FE 415 BARS CONFORMING TO IS 1786-1985.
 4. FOR ARCHITECTURAL DETAILS REFER SEPARATE DRAWING.
 5. SAFE BEARING CAPACITY AT FOUNDATION LEVEL IS ASSUMED AS 1.7M2.
 6. 40 CORRESPONDING TO GROUND LEVEL.
 7. CLEAR COVER TO MAIN REINF. SHALL BE 50MM FOR FOUNDATIONS, 40 MM FOR COLUMNS, 25 MM FOR BEAMS & 15 MM FOR SLAB.
 8. LAP LENGTH SHALL BE 50 TIMES THE DIAMETER OF THE SMALLER BAR.

COLUMN MARK	REINFORCEMENT				SIZE
	BELOW PLINTH	G+0	G+1	G+2	
C1	8-120	8-120	8-120	8-120	250x500
C2	8-120	8-120	8-120	8-120	250x500
C3	8-120	8-120	8-120	8-120	250x500
C4	8-120	8-120	8-120	8-120	250x500
C5	8-120	8-120	8-120	8-120	250x500
C6	8-120	8-120	8-200	8-200	250x500

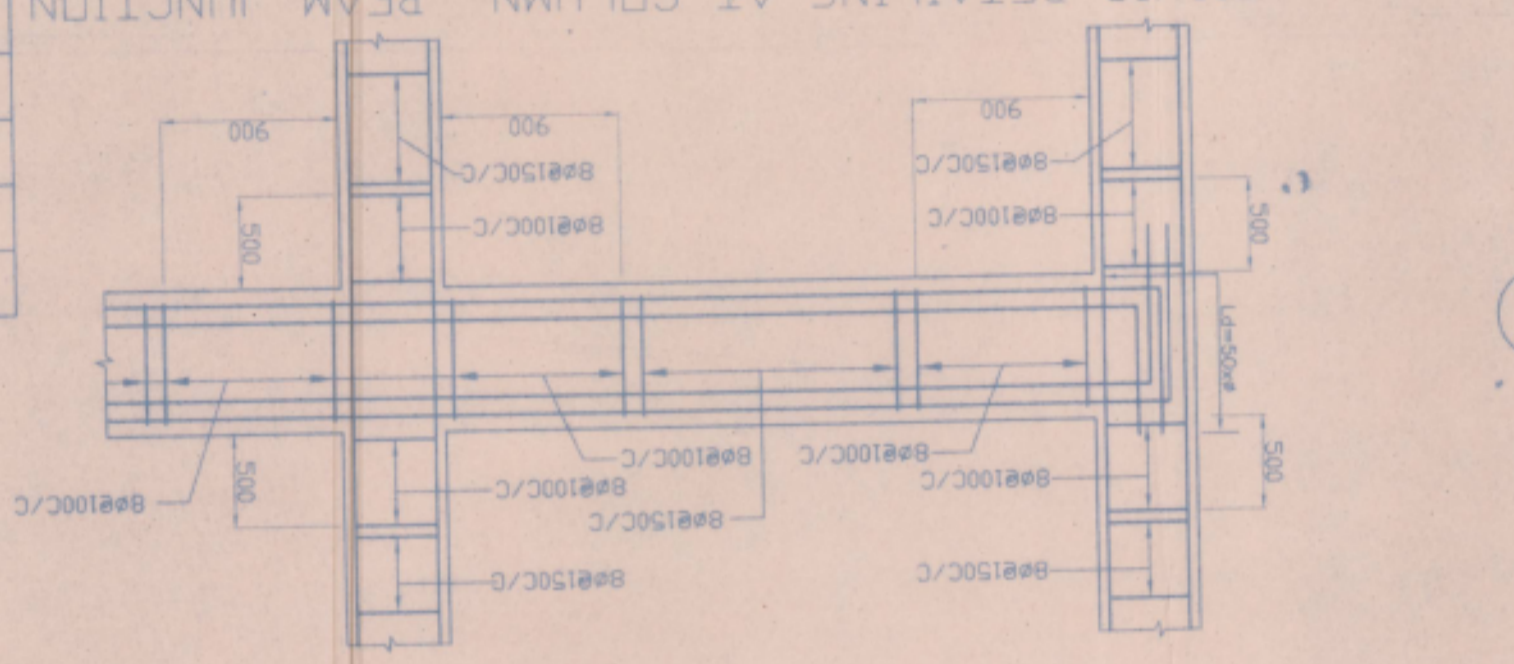
TYPICAL PLACEMENT DETAILS OF COLUMN REINF.



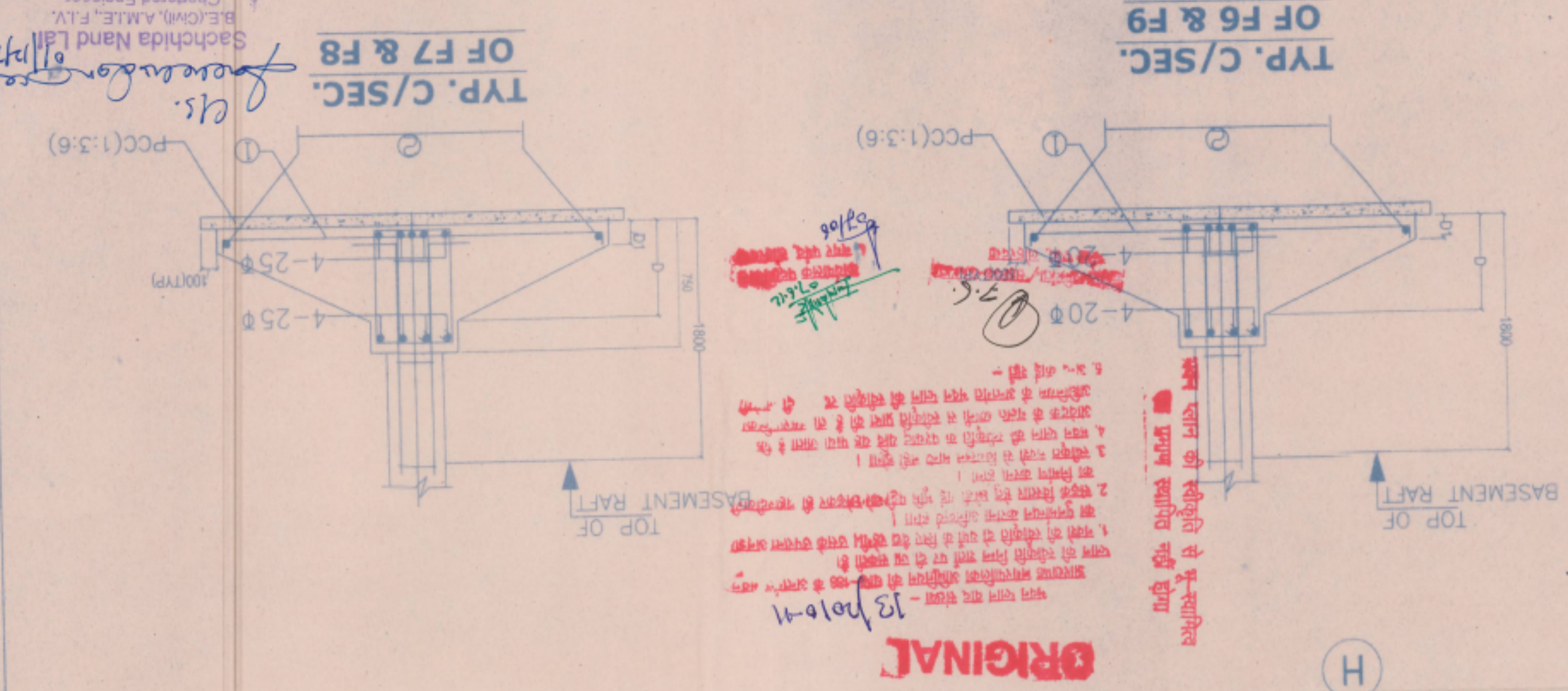
SCHEDULE OF FOUNDATIONS

FOUNDATION MARK	FOUNDATION SIZE		REINFORCEMENT DETAILS	
	L	B	REINF. MARKED ①	REINF. MARKED ②
F1	2200	500	12ϕ @ 150 C/C	12ϕ @ 150 C/C
F2	2600	500	16ϕ @ 175 C/C	16ϕ @ 175 C/C
F3	2800	500	16ϕ @ 125 C/C	16ϕ @ 125 C/C
F4	3000	500	16ϕ @ 100 C/C	16ϕ @ 100 C/C
F5	2200	500	12ϕ @ 150 C/C	12ϕ @ 150 C/C
F6	2000	500	12ϕ @ 150 C/C	12ϕ @ 150 C/C
F7	2400	500	12ϕ @ 150 C/C	16ϕ @ 200 C/C
F8	3000	500	12ϕ @ 150 C/C	16ϕ @ 100 C/C
F9	2200	500	12ϕ @ 150 C/C	12ϕ @ 150 C/C

SCHEDULE OF COLUMNS



TYP. SEISMIC DETAILING AT COLUMN-BEAM JUNCTION

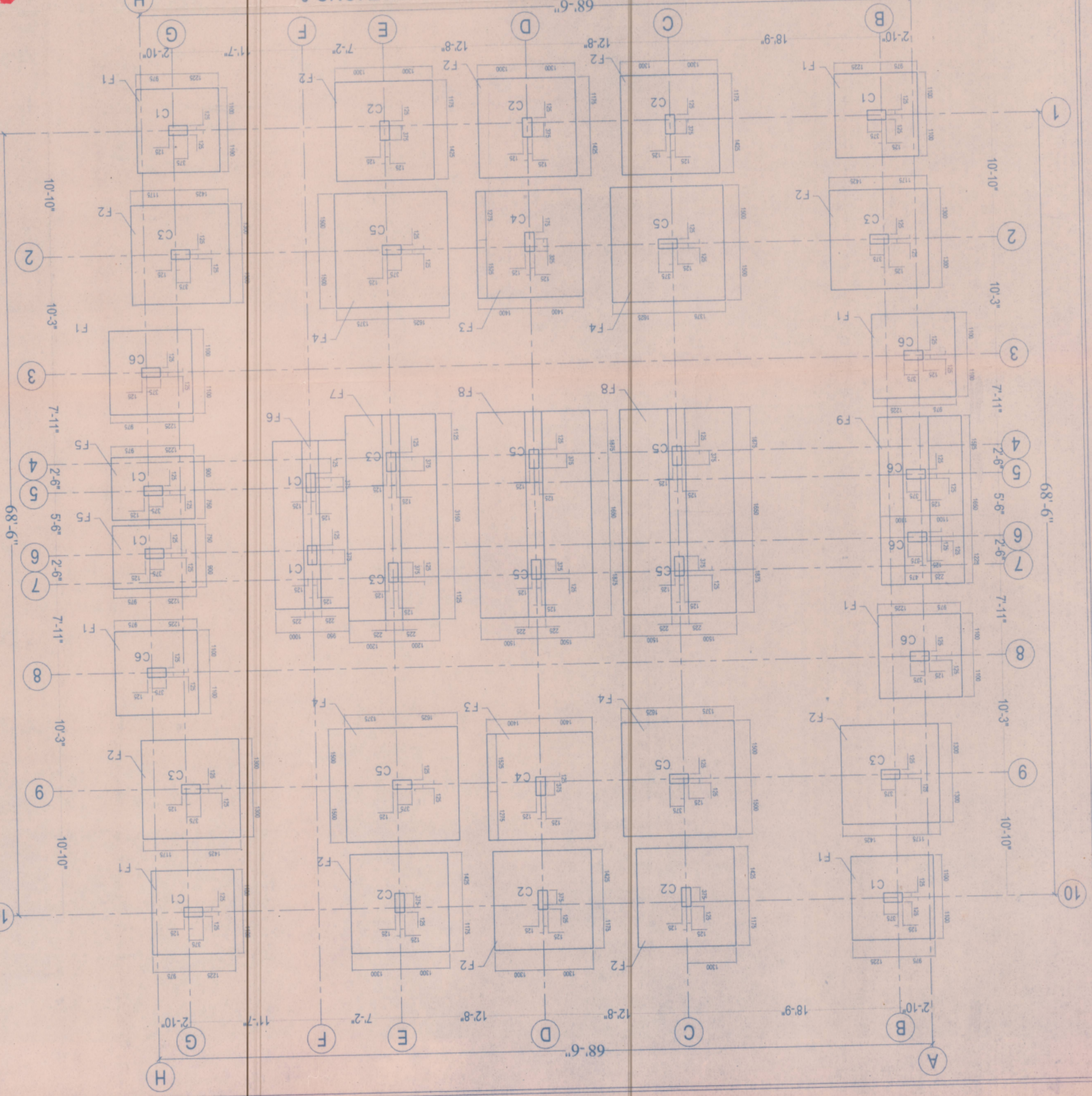


TYP. C/SEC. OF F7 & F8

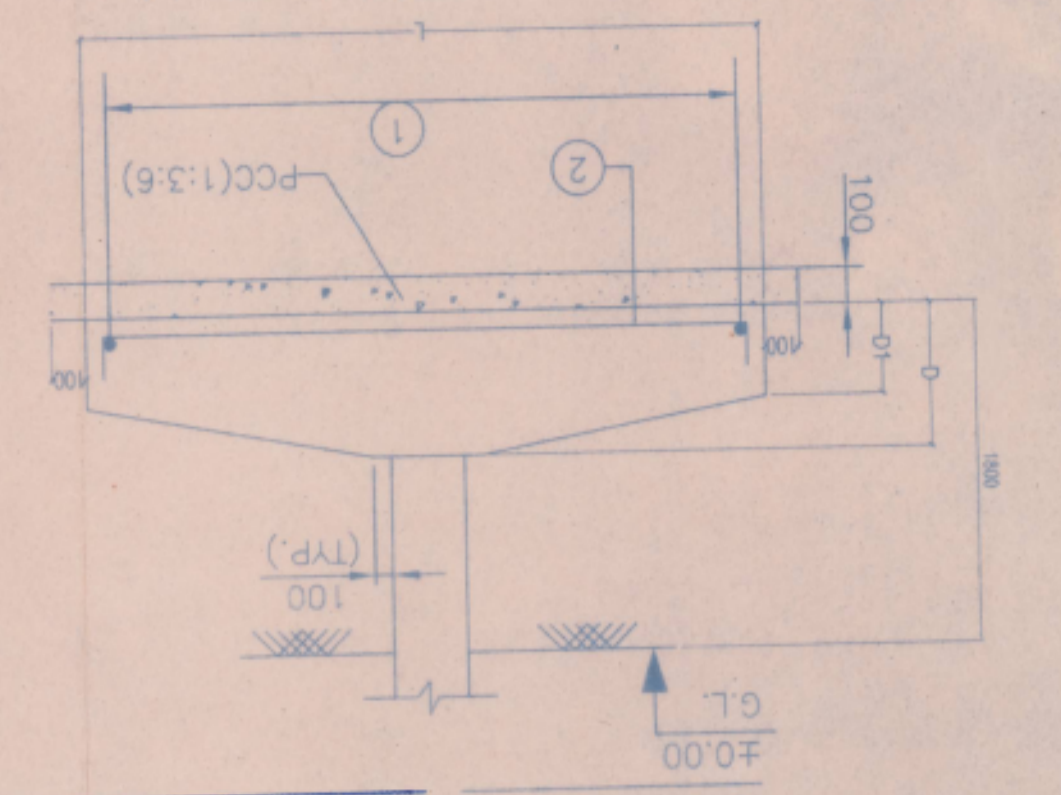
TYP. C/SEC. OF F6 & F9

ORIGINAL
 13 pole-1

LAYOUT PLAN OF FOUNDATIONS & COLUMNS FOR BLOCK-03



SECTION X-X



TYPICAL FOUNDATION PLAN

