

DOOR OPENING SCHEDULE					
S.No.	ITEM	NO.	SIZE	SHUTTER	TYPE
1	D1	02	1200X2100	DOUBLE	-
2	D2	08	1000X2100	SINGLE	-
3	D3	04	800X2100	SINGLE	-

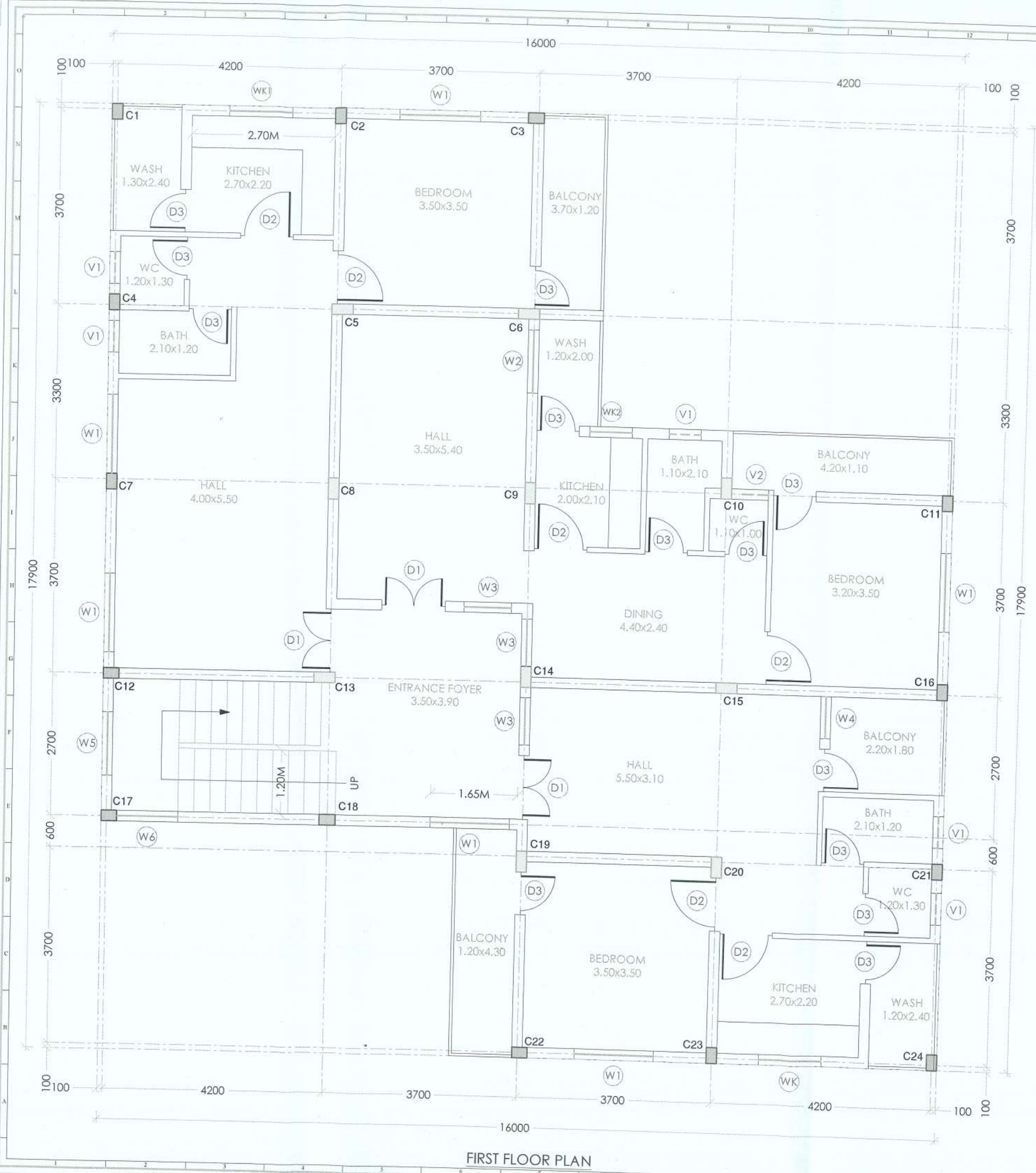
WINDOW & VENTILATOR OPENING SCHEDULE						
S.NO.	ITEM	NO.	SIZE	SILL	LINTEL	TYPE
1	W1	07	1500X1200	900	2100	-
2	W2	04	750X1200	900	2100	-
3	W3	02	1200X900	1200	2100	-
4	W4	01	AS PER ELEVATION			-
5	W5	01	AS PER ELEVATION			-
6	V1	04	900X450	2200	2650	-

- NOTES:-
[GENERAL]
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE MENTIONED.
 - THIS DRAWING SHOULD BE READ ALONG WITH ALL ARCHITECTURAL DRAWINGS.
 - ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED NEITHER THE BARS SHALL BE COUNTED NOR THE DIMENSIONS SCALED FROM THE DRAWINGS.
 - ANY DISCREPANCY IN THE DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECT / CONSULTANT AND CLARIFICATION OBTAINED IN WRITING PRIOR TO EXECUTION OF WORK.
 - USE TMT BARS OF GRADE Fe-415 CONFORMING TO IS-1786 WITH UP TO DATE AMENDMENTS.
 - ALL RCC IS OF GRADE M-20 WITH MINIMUM CEMENT CONTENT 300 KG/M³ AS PER IS 456-2000.
 - P.C.C. WORK SHALL BE PROVIDED IN MIX M-10 GRADE (1:3:6).
 - USE 20mm AND DOWNGRADED AGGREGATES.
 - ALL CONCRETE SHOULD BE MECHANICALLY MIXED AND VIBRATED THROUGH OUT.
 - CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS.
(a) FOOTINGS = 50mm
(b) COLUMN = 40mm
(c) BEAM = 25mm
(d) SLAB = 20 mm
 - THE COVER BLOCK OF CEMENT MORTAR SHALL BE USED TO ENSURE THE REQUIRED COVER OF REINFORCEMENT.
 - LAP LENGTH/DEVELOPMENT LENGTH (L_d) FOR DIFFERENT DIAMETER OF BARS FOR CONC. MIX OF GRADE M-20 SHALL BE: 50 X DIA OF BAR.
 - THE STRUCTURE HAS BEEN DESIGNED FOR G.F.+1 = 2 STOREY.
 - NECESSARY FIXTURE FOR ELECTRICAL, PLUMBING, ETC. SHALL BE PROVIDED IN SLAB, BEAMS BEFORE EXECUTION AS PER RELEVANT DRGS.
 - CURTAINMENT, SPLICING OF R/F BARS, DETAILING SPECIFICATIONS, COMPACTION OF CONCRETE, ETC., SHALL BE AS PER IS: 456 - 2000, SP34 & IS:13920 GUIDELINES.
 - THE DEPTH OF BEAM MONOLITHIC WITH SLAB AS SPECIFIED IN SCHEDULE SHALL BE INCLUSIVE OF SLAB THICKNESS UNLESS OTHERWISE SPECIFIED.
 - USE LIGHT-WEIGHT MATERIALS AS FILLINGS IN SUNKEN PORTION.
 - OVER LAP OF BARS ARE ALLOWED AT MIDDLE ZONE OF THE COLUMNS.
 - OVER LAP OF TOP BARS SHOULD BE NEAR MID SPAN & IN BOTTOM BARS SHALL BE NEAR THE SUPPORT IN BEAMS.
 - THE SPACING OF STIRRUPS AT OVERLAPS SHOULD NOT EXCEED 150 MM C/C.
 - WHERE TWO LAYERS OF REINF. BARS ARE TO BE PROVIDED, IN BEAMS, SPACER BARS ARE TO BE PROVIDED.
 - HOOKS OF SHEAR STIRRUPS SHALL BE IN COMPRESSION ZONE.
 - USE DENSIFIED COATED PLYWOOD FOR SHUTTERING AND FORMWORK.
 - BURNT OIL NOT PERMITTED FOR DE-SHUTTERING.
 - USE STEEL PROPS FOR FORMWORK.
 - FREQUENT CHECKING OF THE STRENGTH OF CONC. & STEEL SHOULD BE DONE AT THE SITE AND ALSO AT TESTING LABORATORY.
 - ALL THE CONSTRUCTION ACTIVITIES MUST BE CARRIED OUT UNDER STRICT SUPERVISION OF QUALIFIED CIVIL ENGINEER.
 - For cantilever, top bars (tension bars) to be anchored behind for = 70"dia. of bars or the cantilever span (whichever is greater).

ER. SHUBHAM BAKSHI
M.Tech (Structural Engineering)
RMC No. 1712/2024
Ashwani Nagar, Raipur (C.G.)
Mob 70005 11200

ER. SHUBHAM BAKSHI
JUST STRUCTURE
B.E., M.Tech (Structure Engineer)
Address- 779/a, Besides S.T. Thomas
School, Sector-02, DDU Nagar, Raipur
(C.G.) Mobile No-8827861261

ARCHITECT	
PROJECT NAME AND ADDRESS:- RESIDENTIAL BUILDING FOR (PRIMARY HEALTH CENTER) AT DISTRICT KORBA (C.G.)	
DRAWN BY:-	STRUCTURAL PROOF CHECKED BY:-
DRAWING:-	
GROUND FLOOR PLAN	
DRAWING NO.-	DATE:-
JS/PHC/AR/01	



FIRST FLOOR PLAN

DOOR OPENING SCHEDULE					
S.NO.	ITEM NO.	SIZE	SHUTTER	TYPE	
1	D1	03	1200X2100	DOUBLE	-
2	D2	06	1000X2100	SINGLE	-
3	D3	13	800X2100	SINGLE	-

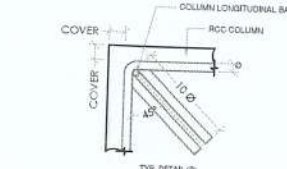
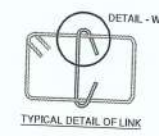
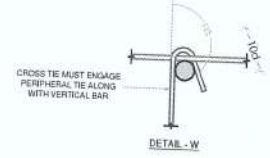
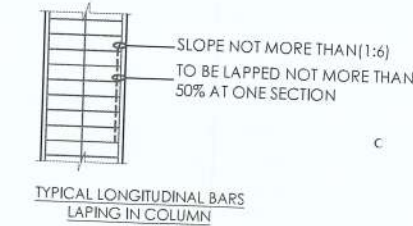
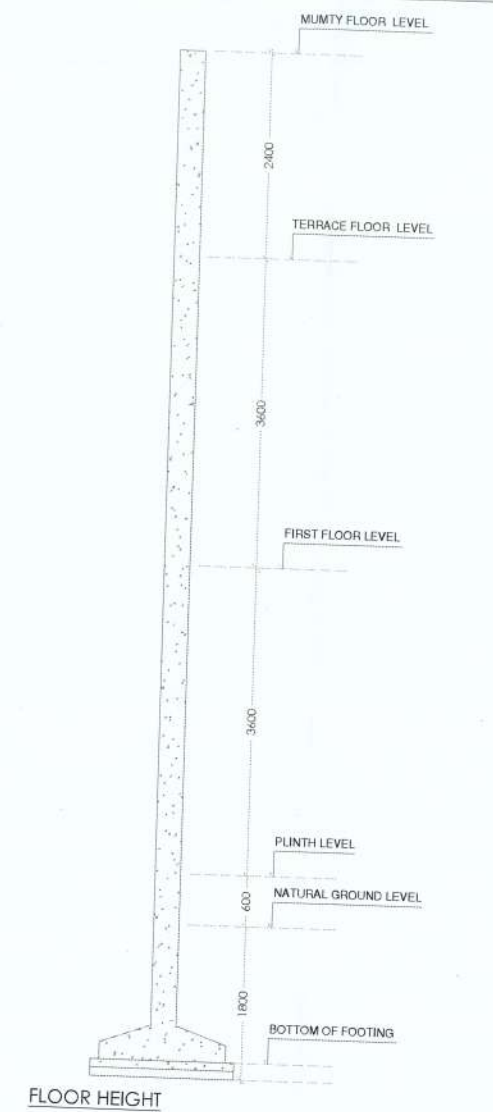
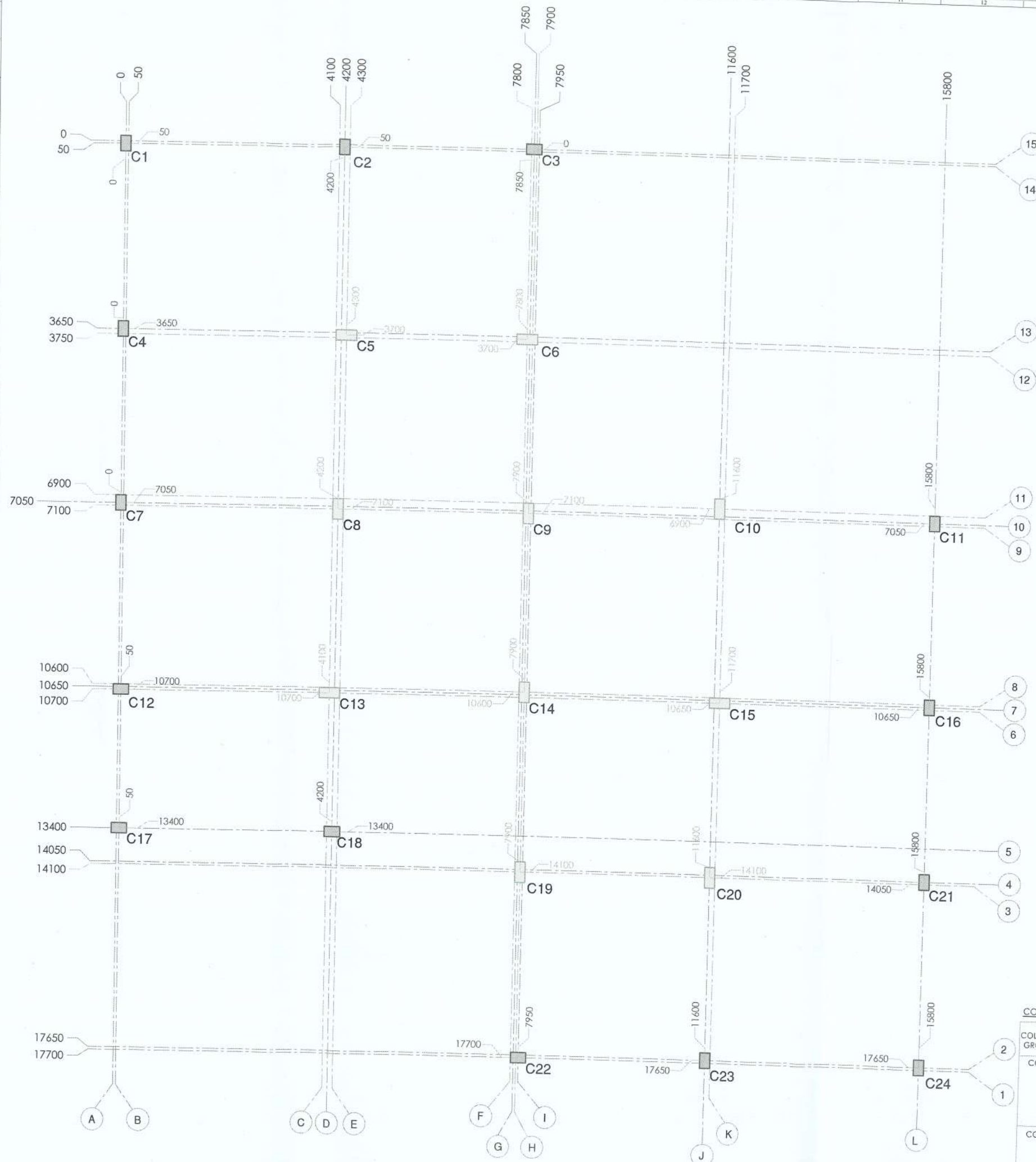
WINDOW & VENTILATOR OPENING SCHEDULE					
S.NO.	ITEM NO.	SIZE	SILL	LINTEL	TYPE
1	W1	06	1500X1200	900	2100
2	W2	01	1200X1200	900	2100
3	W3	03	900X1200	900	2100
4	W4	01	800X1200	900	2100
5	W5	01	AS PER ELEVATION	-	-
6	W6	01	AS PER ELEVATION	-	-
7	WK	01	1200X900	1200	2100
8	WK1	01	1200X900	1200	2100
9	WK2	01	800X900	1200	2100
10	V1	05	600X450	2200	2650
11	V2	01	500X450	2200	2650

- NOTES:-
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 7. P.C.C. WORK SHALL BE PROVIDED IN MIX M-10 GRADE (1:3:6).
 8. USE 20mm AND DOWNGRADED AGGREGATES.
 9. ALL CONCRETE SHOULD BE MECHANICALLY MIXED AND VIBRATED THROUGH OUT.
 10. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
(a) FOOTINGS = 50mm
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 28. For cantilever, top bars (tension bars) to be anchored behind for = 70"dia. of bars or the cantilever span (whichever is greater.)

ER. SHUBHAM BAKSHI
M.Tech (Structural Engineering)
RMC No. 1712/2/2024
Ashwani Nagar, Raipur (C.G.)
Mob 70005 41200

ER. SHUBHAM BAKSHI
JUST STRUCTURE
B.E., M.Tech (Structure Engineer)
Address- 779/a, Besides S.T. Thomas
School, Sector-02, DDU Nagar, Raipur
(C.G.) Mobile No-8827861261

ARCHITECT	
PROJECT NAME AND ADDRESS- RESIDENTIAL BUILDING FOR (PRIMARY HEALTH CENTER) AT DISTRICT KORBA (C.G.)	
DRAWN BY-	STRUCTURAL PROOF CHECKED BY-
DRAWING-	
FIRST FLOOR PLAN	
DRAWING NO.-	DATE-



COLUMN REINFORCEMENT DETAILS:

COLUMN GROUP	COLUMN MARK	TOTAL NOS	COLUMN SIZE (MM)	MAIN STEEL NOS-DIA(MM)	TIES (DIA@SPACING)	CROSS SECTION
CG1	C1, C2, C3, C4, C7, C11, C12, C16, C17, C18, C21, C22, C23, C24	14	200 X 300	6 - #16	#8@150 C/C	
CG2	C5, C6, C8, C9, C10, C13, C14, C15, C19, C20	10	200 X 400	8 - #16	#8@150 C/C	

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M.Tech (Structural Engineering)
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Ashwan Nagar, Raipur (C.G.)
Mob. 9005 11200

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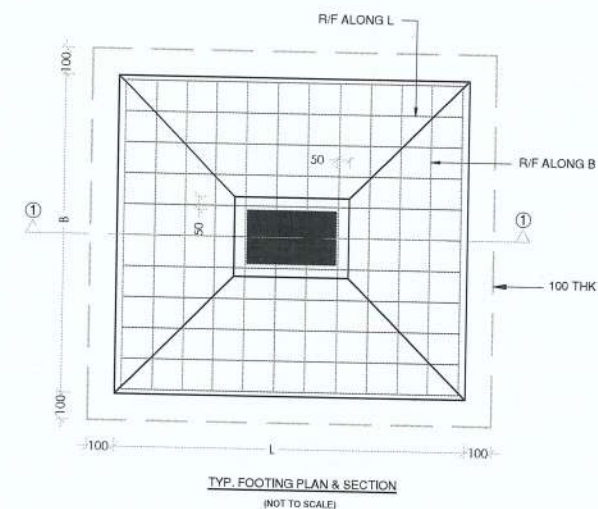
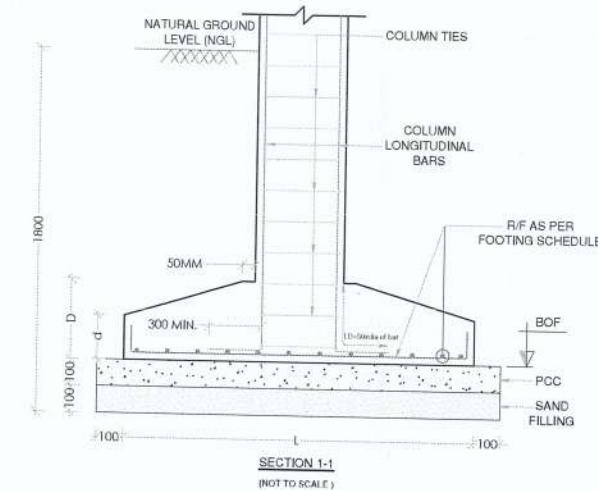
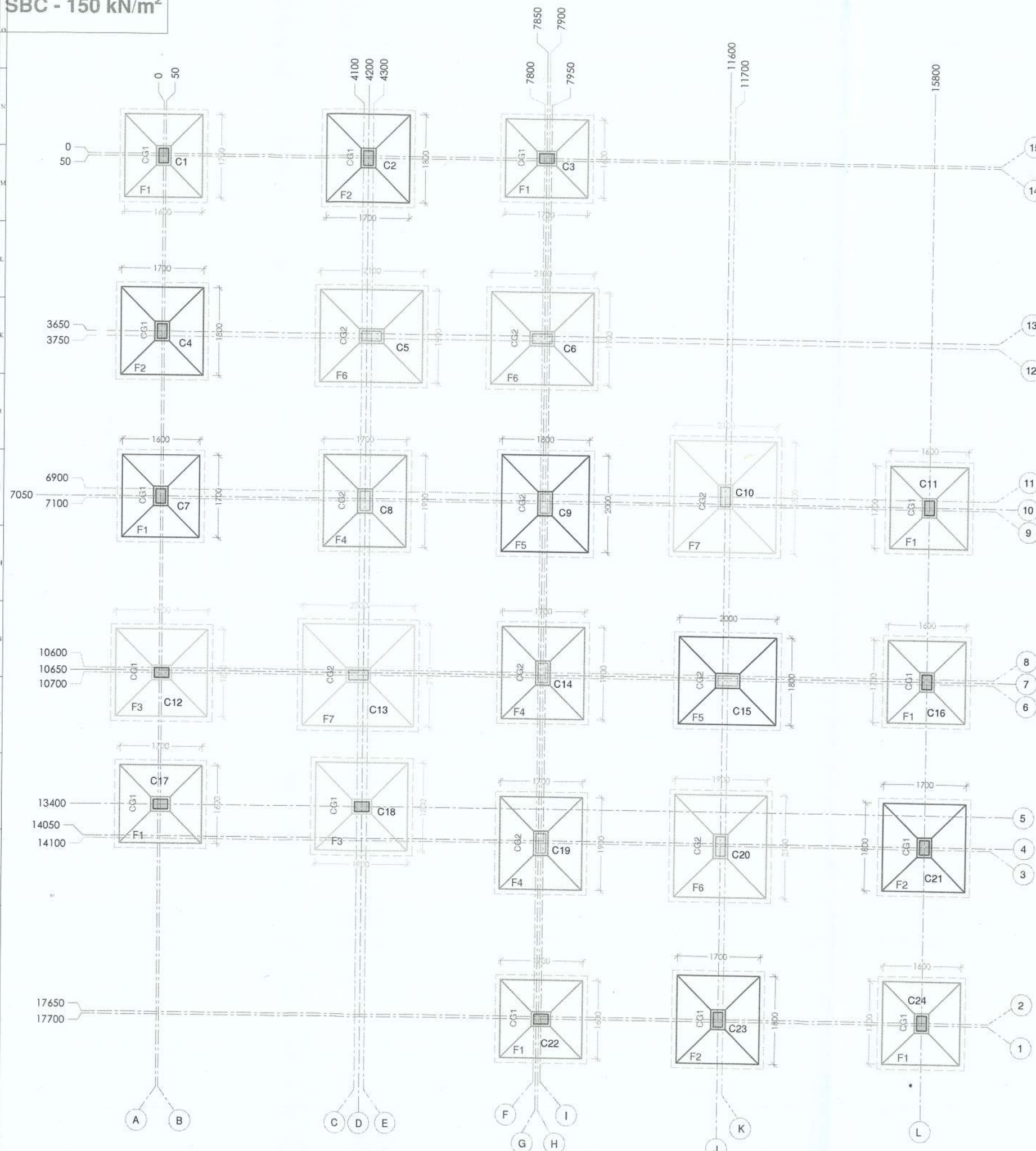
ARCHITECT

PROJECT NAME AND ADDRESS-
RESIDENTIAL BUILDING FOR (PRIMARY HEALTH CENTER) AT DISTRICT KORBA (C.G.)

DRAWN BY-
DRAWING-
COLUMN CENTER LINE & DETAIL
DRAWING NO.-
DATE-

STRUCTURAL PROOF CHECKED BY-
[Signature]
Assistant Professor
Structural Engg.
UTD, CSVTU Bhatla


SBC - 150 kN/m²



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28. For cantilever, top bars (tension bars) to be anchored behind for = 70% dia. of bars or the cantilever span (whichever is greater.)

FOUNDATION:
1. S.B.C. OF SOIL 150 kN/m^2 MUST BE ENSURED AT FOOTING LEVEL (1.8 M BELOW NATURAL GROUND LEVEL).

Er. **ASHWANI KAKSHI**
M.Tech (Structural Engineering)
RMC No. 1712/2/2024
Ashwani Nagar, Raipur (C.G.)
Mob. 90005 10000

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ARCHITECT

PROJECT NAME AND ADDRESS-
RESIDENTIAL BUILDING FOR (PRIMARY HEALTH
CENTER) AT DISTRICT KORBA (C.G.)

DRAWN BY-

DRAWING-

FOUNDATION
DETAIL

Assistant Professor
Structural Engg.

DRAWING NO. -

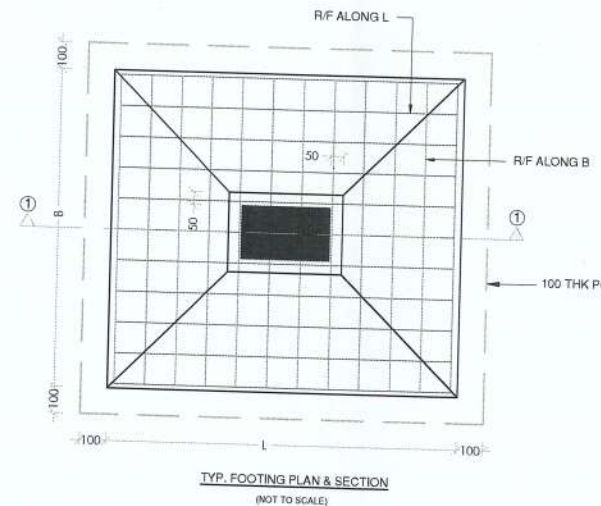
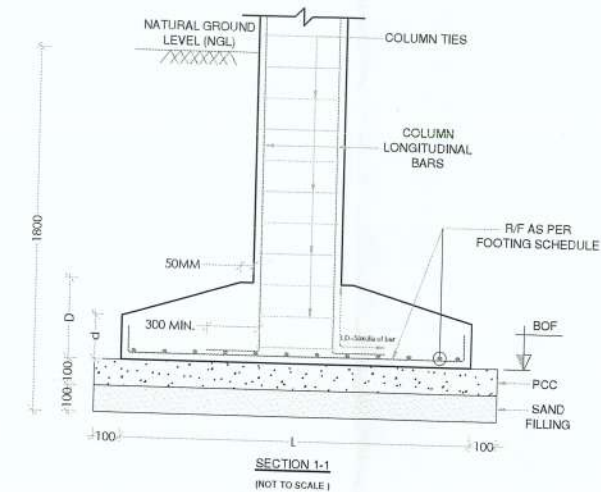
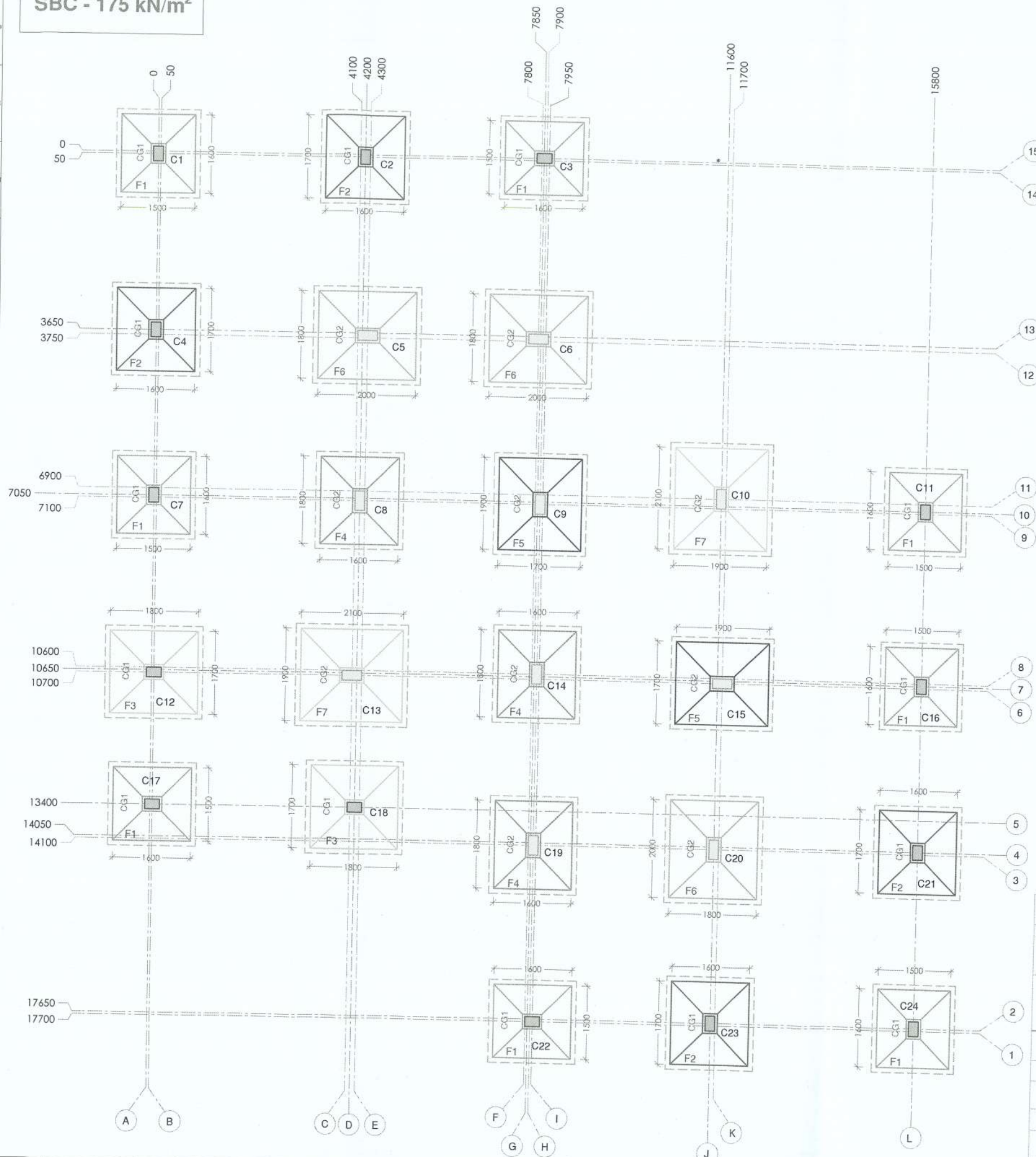
UTD, CSVTU Bhillai

DRAWING NO.-

JS/PHC/STR/02A	DATE -
	SCALE - NTS

FOOTING SCHEDULE									TYPE
FOOTING GROUP	COLUMN GROUP	COLUMN MARK	TOTAL FOOTING NOS.	FOOTING DIMENSION				FOOTING REIN.	
				L	B	D	d	BOTHWAYS	
F1	CG1	C1, C3, C7,C11, C16,C17, C22,C24	08	1700	1600	450	200	#10@200 C/C	SLOPED FOOTING
F2	CG1	C2,C4, C21,C23	04	1800	1700	450	250	#10@150 C/C	
F3	CG1	C12,C18	02	1900	1800	500	250	#10@150 C/C	
F4	CG2	C8,C14, C19	03	1900	1700	500	250	#10@150 C/C	
F5	CG2	C9,C15	02	2000	1800	500	250	#10@150 C/C	
F6	CG2	C5,C6, C20,	03	2100	1900	550	250	#10@150 C/C	
F7	CG2	C10,C13	02	2300	2100	550	300	#10@150 C/C	

SBC - 175 kN/m²



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 28. For cantilever, top bars (tension bars) to be anchored behind for = 70*dia. of bars or the cantilever span (whichever is greater.)
- FOUNDATION:
1. S.B.C. OF SOIL 175 KN/M² MUST BE ENSURED AT FOOTING LEVEL (1.8 M BELOW NATURAL GROUND LEVEL).

STRUCTURAL DESIGNER-
ER. SHUBHAM BAKSHI
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RMC No. 17/12/2024
Ashwani Nagar, Raipur (C.G.)
ER. SHUBHAM BAKSHI
B.E. M.Tech (Structure Engineer)
Address: 779/a, Besides S.T. Thomas School, Sector-02, DDU Nagar, Raipur (C.G.) Mobile No-8827861261

ARCHITECT

FOOTING SCHEDULE									
FOOTING GROUP	COLUMN GROUP	COLUMN NUMBERS	FOOTING NOS	FOOTING DIMENSION				FOOTING REINF. BOTHWAYS	TYPE
				L	B	D	d		
F1	CG1	C1,C3, C7,C11, C16,C17, C22,C24	08	1600	1500	450	200	#10@200 C/C	Sloped Footing
F2	CG1	C2,C4, C21,C23	04	1700	1600	450	250	#10@200 C/C	
F3	CG1	C12,C18	02	1800	1700	500	250	#10@150 C/C	
F4	CG2	C8,C14, C19	03	1800	1600	450	250	#10@150 C/C	
F5	CG2	C9,C15	02	1900	1700	500	250	#10@150 C/C	
F6	CG2	C5,C6, C20	03	2000	1800	550	250	#10@150 C/C	
F7	CG2	C10,C13	02	2100	1900	550	250	#10@150 C/C	

PROJECT NAME AND ADDRESS-
RESIDENTIAL BUILDING FOR (PRIMARY HEALTH CENTER) AT DISTRICT KORBA (C.G.)

DRAWN BY: _____

CHECKED BY: _____

DRAWING: _____

FOUNDATION DETAIL: _____

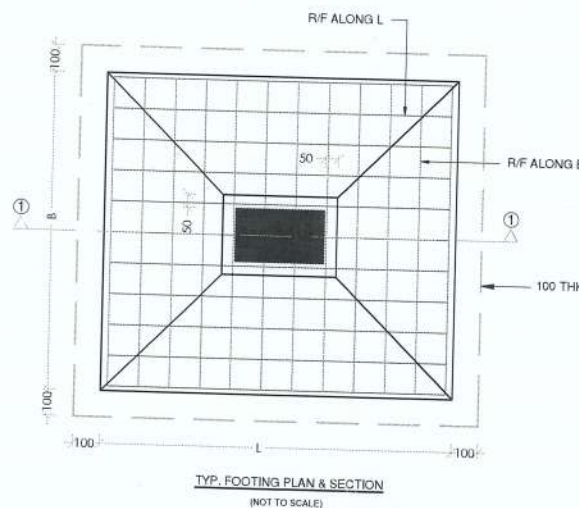
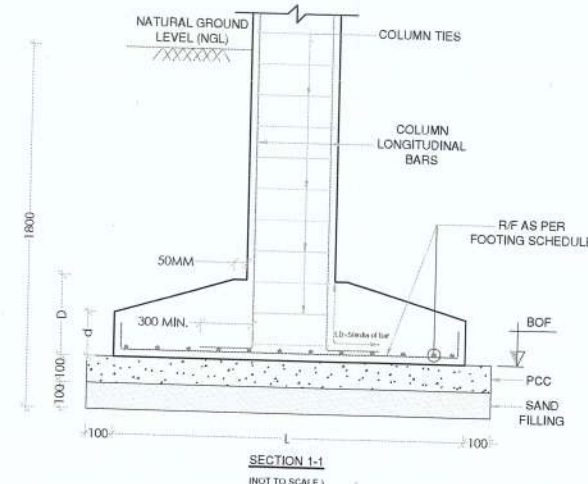
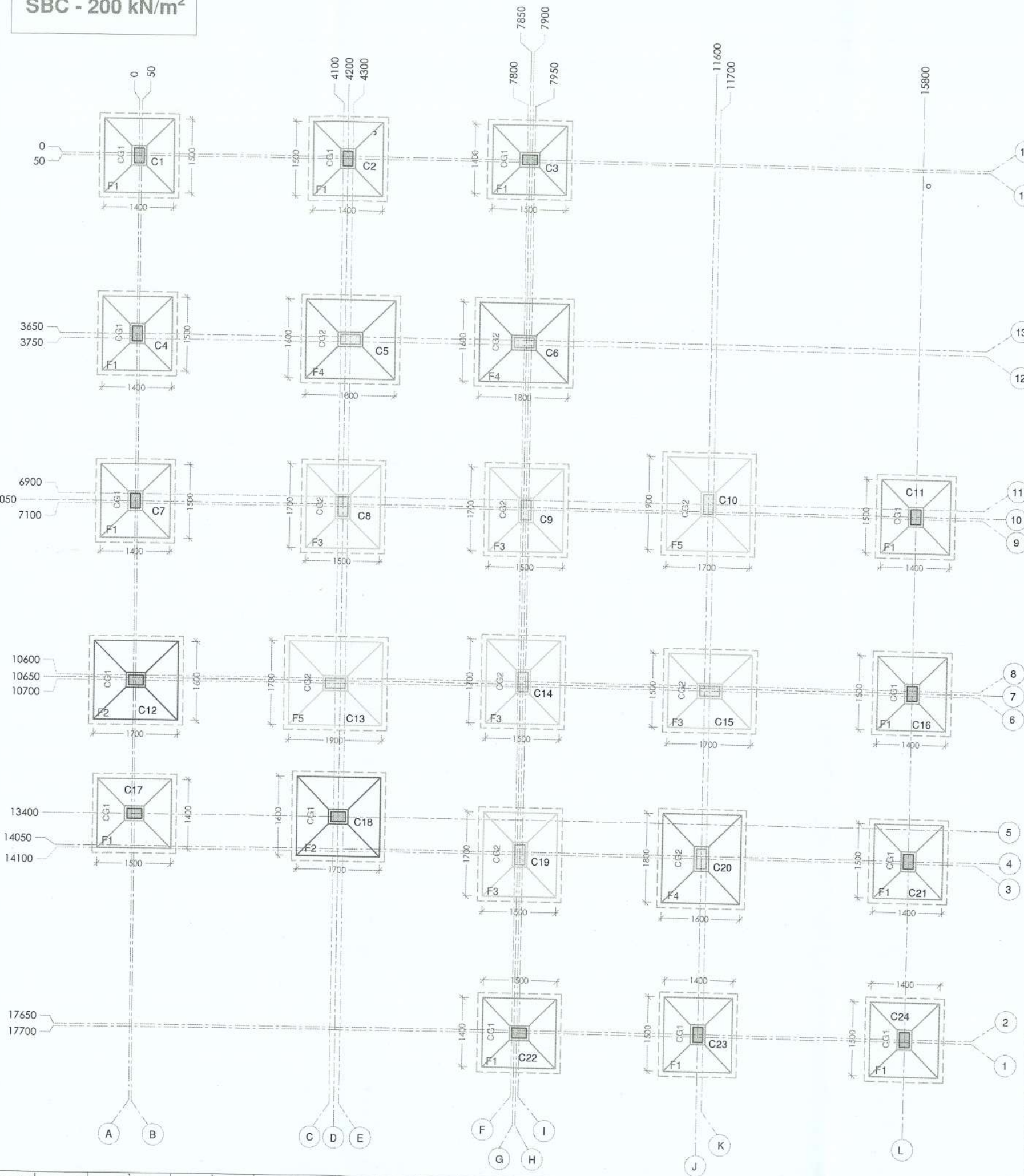
DRAWING NO.- _____

DATE - _____

STRUCTURAL PROOF: _____

Assistant Professor
Structural Engg.
UTD, CSVTU Bilhal

SBC - 200 kN/m²



- NOTES:-
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE MENTIONED.
 2. THIS DRAWING SHOULD BE READ ALONG WITH ALL ARCHITECTURAL DRAWINGS.
 3. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED NEITHER THE BARS SHALL BE COUNTED NOR THE DIMENSIONS SCALED FROM THE DRAWINGS.
 4. ANY DISCREPANCY IN THE DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECT / CONSULTANT AND CLARIFICATION OBTAINED IN WRITING PRIOR TO EXECUTION OF WORK.
 5. USE TMT BARS OF GRADE Fe - 415 CONFORMING TO IS-1786 WITH UP TO DATE AMENDMENTS.
 6. ALL RCC IS OF GRADE M-20 WITH MINIMUM CEMENT CONTENT 300 KG/M³ AS PER IS 456-2000.
 7. P.C.C. WORK SHALL BE PROVIDED IN MIX M - 10 GRADE (1:3:6).
 8. USE 20mm AND DOWNGRADED AGGREGATES.
 9. ALL CONCRETE SHOULD BE MECHANICALLY MIXED AND VIBRATED THROUGH OUT.
 10. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS.
(a) FOOTINGS = 50mm
(b) COLUMN = 40mm
(c) BEAM = 25mm
(d) SLAB = 20 mm
 11. THE COVER BLOCK OF CEMENT MORTAR SHALL BE USED TO ENSURE THE REQUIRED COVER OF REINFORCEMENT.
 12. LAP LENGTH/DEVELOPMENT LENGTH (L_d) FOR DIFFERENT DIAMETER OF BARS FOR CONC. MIX OF GRADE M - 20 SHALL BE: 50 X DIA OF BAR.
 13. THE STRUCTURE HAS BEEN DESIGNED FOR G.F.+1 = 2 STOREY.
 14. NECESSARY FIXTURE FOR ELECTRICAL PLUMBING, ETC. SHALL BE PROVIDED IN SLAB, BEAMS BEFORE EXECUTION AS PER RELEVANT DRGS.
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 16. THE DEPTH OF BEAM MONOLITHIC WITH SLAB AS SPECIFIED IN SCHEDULE SHALL BE INCLUSIVE OF SLAB THICKNESS UNLESS OTHERWISE SPECIFIED.
 17. USE LIGHT-WEIGHT MATERIALS AS FILLINGS IN SUNKEN PORTION.
 18. OVER LAP OF BARS ARE ALLOWED AT MIDDLE ZONE OF THE COLUMNS.
 19. OVER LAP OF TOP BARS SHOULD BE NEAR MID SPAN & IN BOTTOM BARS SHALL BE NEAR THE SUPPORT IN BEAMS.
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 27. ALL THE CONSTRUCTION ACTIVITIES MUST BE CARRIED OUT UNDER STRICT SUPERVISION OF QUALIFIED CIVIL ENGINEER.
 28. For cantilever, top bars (tension bars) to be anchored behind for = 70° dia. of bars or the cantilever span (whichever is greater.)
- FOUNDATION:
1. S.B.C. OF SOIL 200 kN/m² MUST BE ENSURED AT FOOTING LEVEL (1.8 M BELOW NATURAL GROUND LEVEL).

STRUCTURAL DESIGNER

ER. SHUBHAM BAKSHI
M.Tech (Structural Engineering)
RMC No. 1712/2024
Ashwani Nagar, Raipur (C.G.)
Mob. 78005 12300

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JUST STRUCTURE
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(C.G.) Mobile No-8827861261

ARCHITECT

FOOTING SCHEDULE

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				L	B	D	d		
F1	CG1	C1, C2, C3, C4, C7, C11, C16, C17, C21, C22, C23, C24	12	1500	1400	450	200	#10@200 C/C	Slotted Footing
F2	CG1	C12, C18	02	1700	1600	500	250	#10@150 C/C	
F3	CG2	C8, C9, C14, C15, C19	05	1700	1500	450	250	#10@200 C/C	
F4	CG2	C5, C6, C20	03	1800	1600	500	250	#10@150 C/C	
F5	CG2	C10, C13	02	1900	1700	550	250	#10@150 C/C	

PROJECT NAME AND ADDRESS-

RESIDENTIAL BUILDING FOR (PRIMARY HEALTH CENTER) AT DISTRICT KORBA (C.G.)

DRAWN BY-

STRUCTURAL PROOF CHECKED BY-

DRAWING-

FOUNDATION DETAIL

DRAWING NO.-

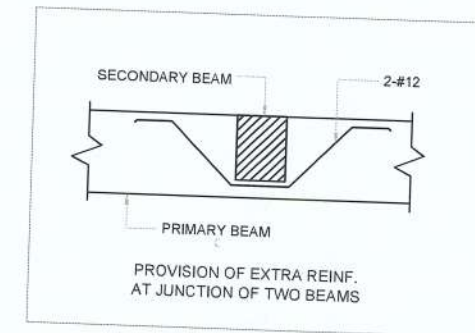
DATE-

Assistant Professor
Structural Engg.
UTD, CSVTU Bhatla

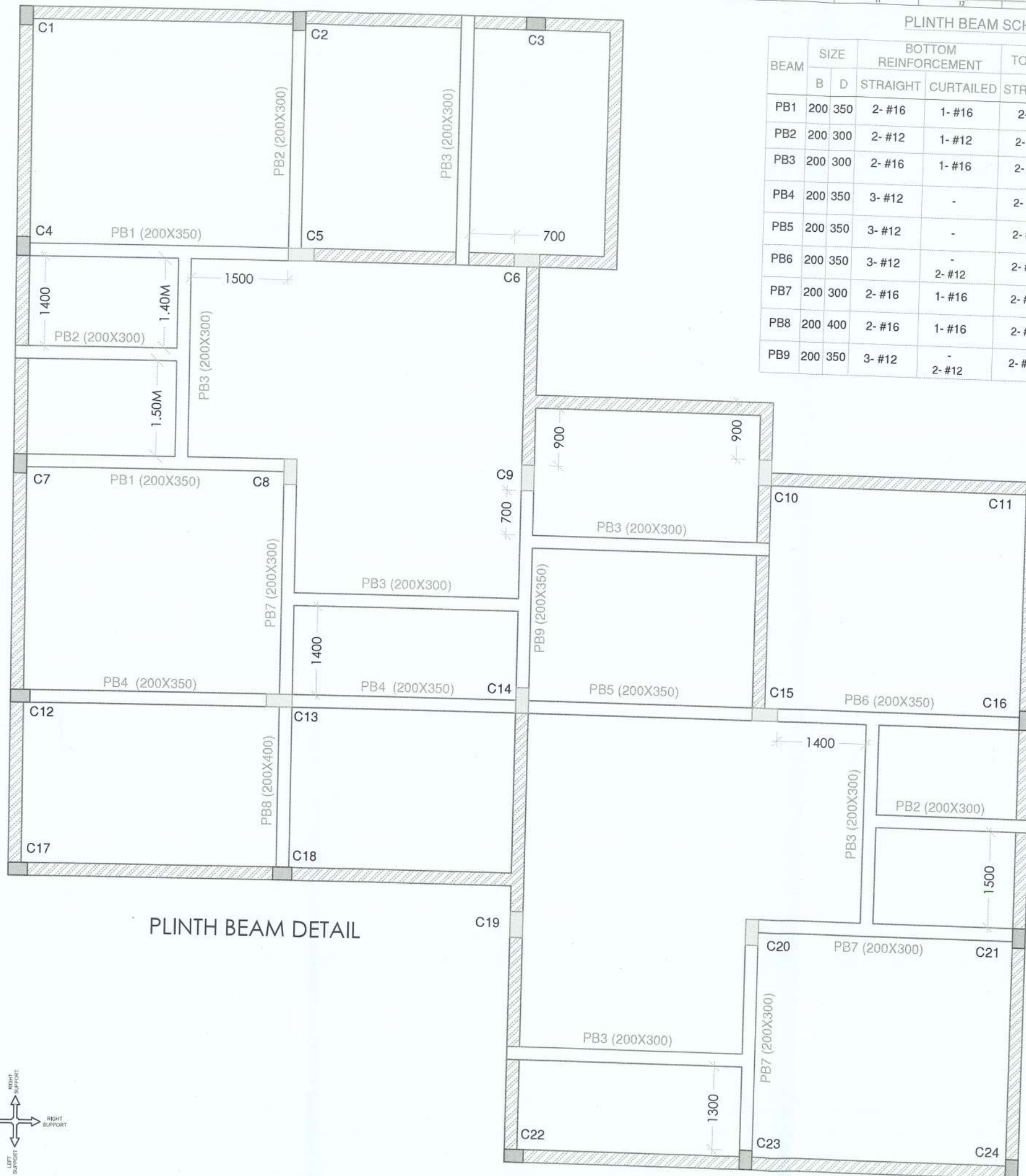
PLINTH BEAM SCHEDULE

BEAM	SIZE		BOTTOM REINFORCEMENT		TOP REINFORCEMENT			SHEAR STIRRUPS	
	B	D	STRAIGHT	CURTAILED	STRAIGHT	EXTRA LEFT	EXTRA RIGHT	END	MID SPAN
PB1	200	350	2- #16	1- #16	2- #16	1- #16	1- #16	2L-#8@100 C/C	2L-#8@125 C/C
PB2	200	300	2- #12	1- #12	2- #12	1- #12	1- #12	2L-#8@100 C/C	2L-#8@125 C/C
PB3	200	300	2- #16	1- #16	2- #12	1- #12	1- #12	2L-#8@100 C/C	2L-#8@125 C/C
PB4	200	350	3- #12	-	2- #12	1- #12	1- #12	2L-#8@100 C/C	2L-#8@125 C/C
PB5	200	350	3- #12	-	2- #12	1- #12	1- #12	2L-#8@100 C/C	2L-#8@125 C/C
PB6	200	350	3- #12	-	2- #12	1- #12	3- #16	2L-#8@100 C/C	2L-#8@125 C/C
PB7	200	300	2- #16	1- #16	2- #16	1- #16	1- #16	2L-#8@100 C/C	2L-#8@125 C/C
PB8	200	400	2- #16	1- #16	2- #16	1- #16	1- #16	2L-#8@100 C/C	2L-#8@125 C/C
PB9	200	350	3- #12	-	2- #12	1- #12	2- #12	2L-#8@100 C/C	2L-#8@125 C/C

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PLINTH BEAM DETAIL



STRUCTURAL DESIGNER:-
ER. SHUBHAM BAKSHI
B.E., M.Tech (Structural Engineering)
Address- 779/a, Besides S.T. Thomas School, Sector-02, DDU Nagar, Raipur (C.G.) Mobile No-8827861261

ARCHITECT

PROJECT NAME AND ADDRESS:-
RESIDENTIAL BUILDING FOR (PRIMARY HEALTH CENTER) AT DISTRICT KORBA (C.G.)

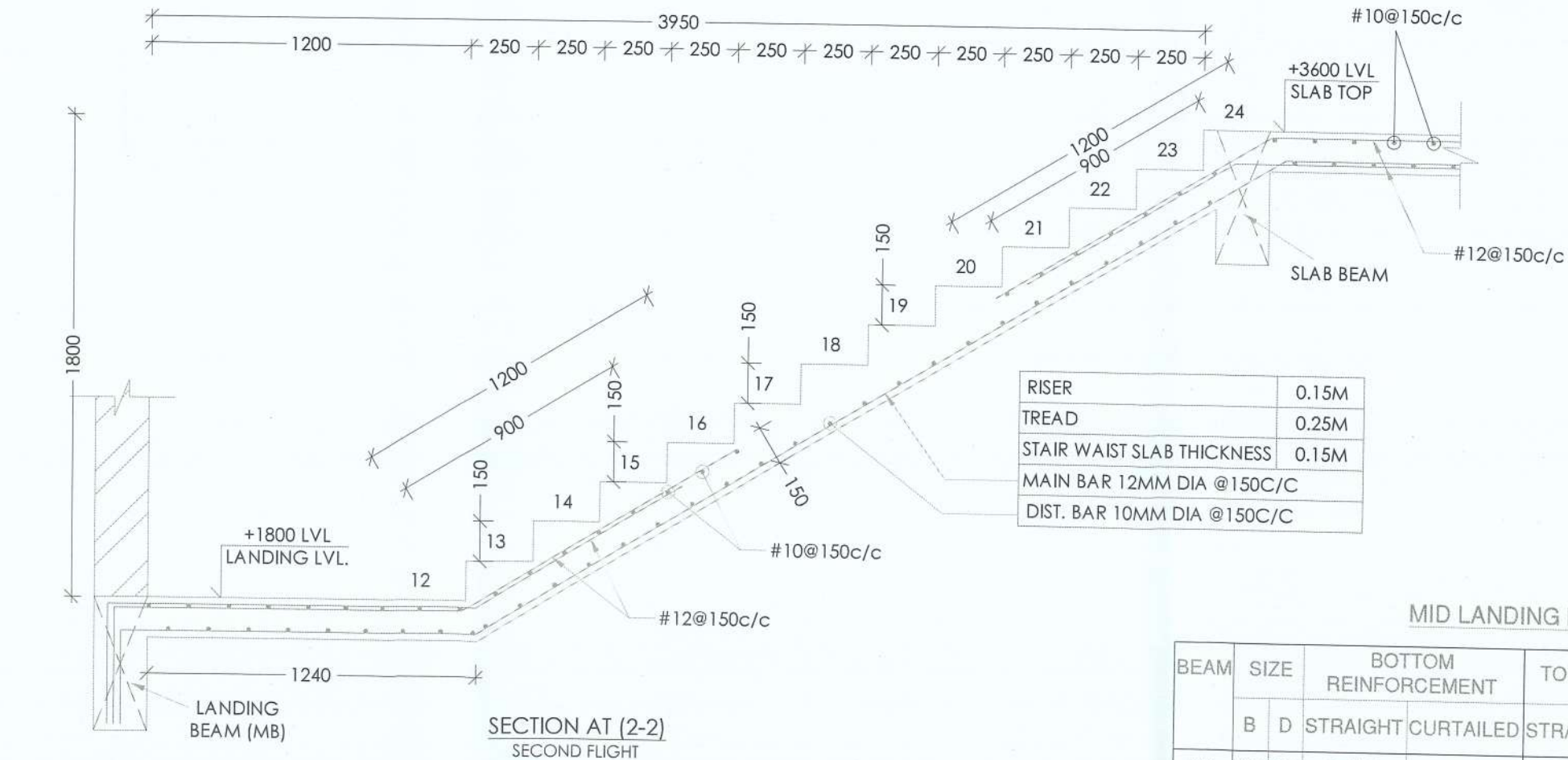
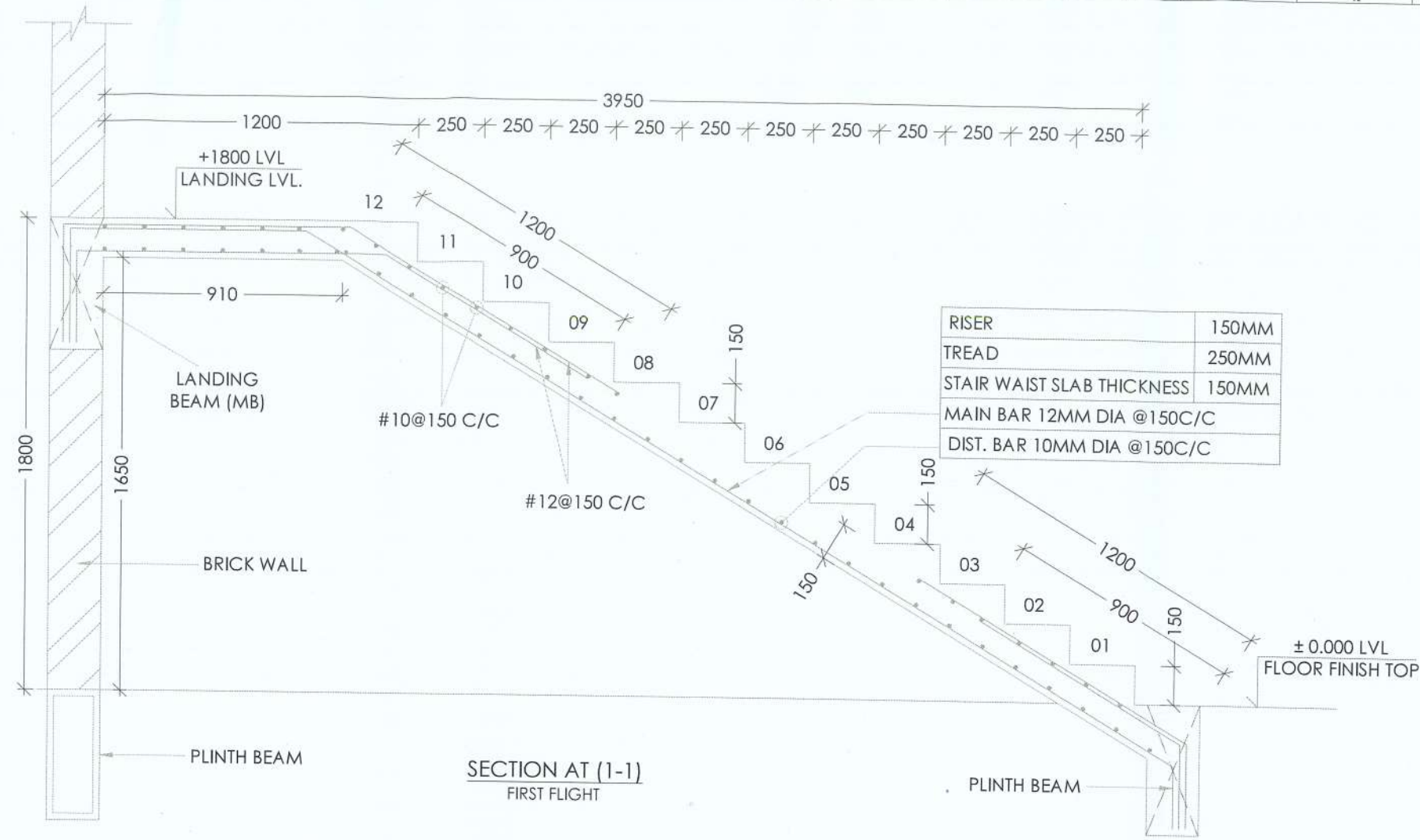
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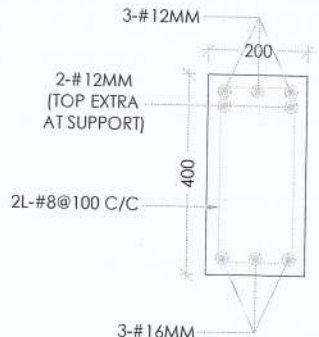
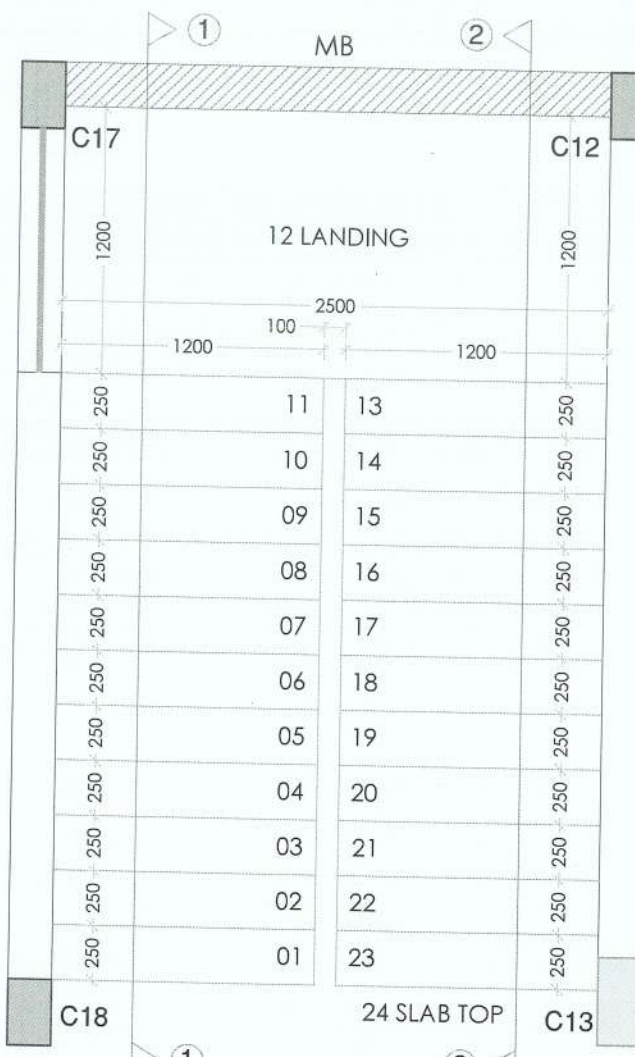
PLINTH BEAM DETAIL
DRAFTING NO.:-
DATE:-

Assistant Professor
Structural Engg.
UTD, CSVTU Bhat



RISER	150MM
TREAD	250MM
STAIR WAIST SLAB THICKNESS	150MM
MAIN BAR 12MM DIA @150C/C	
DIST. BAR 10MM DIA @150C/C	

RISER	0.15M
TREAD	0.25M
STAIR WAIST SLAB THICKNESS	0.15M
MAIN BAR 12MM DIA @150C/C	
DIST. BAR 10MM DIA @150C/C	



MID LANDING BEAM SCHEDULE

BEAM	SIZE		BOTTOM REINFORCEMENT		TOP REINFORCEMENT			SHEAR STIRRUPS	
	B	D	STRAIGHT	CURTAILED	STRAIGHT	EXTRA LEFT	EXTRA RIGHT	END	MID SPAN
MB	200	400	3- #16	-	3- #12	2- #12	2- #12	2L-#8@100 C/C	2L-#8@100 C/C

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RMC No. 1772/2024
Ashwini Nagar, Raipur (C.G.)
Mob. 70005 11200

ARCHITECT

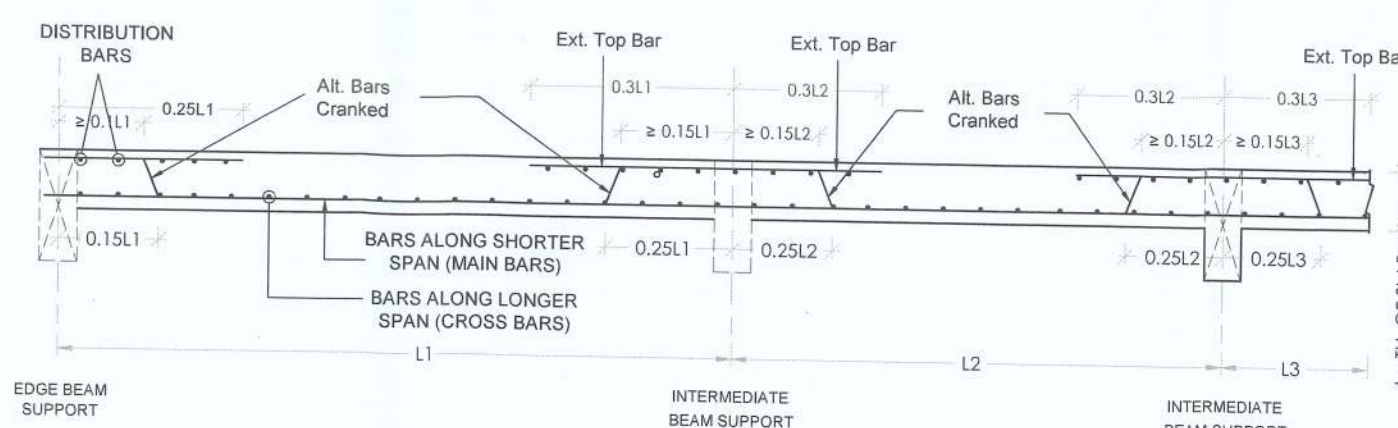
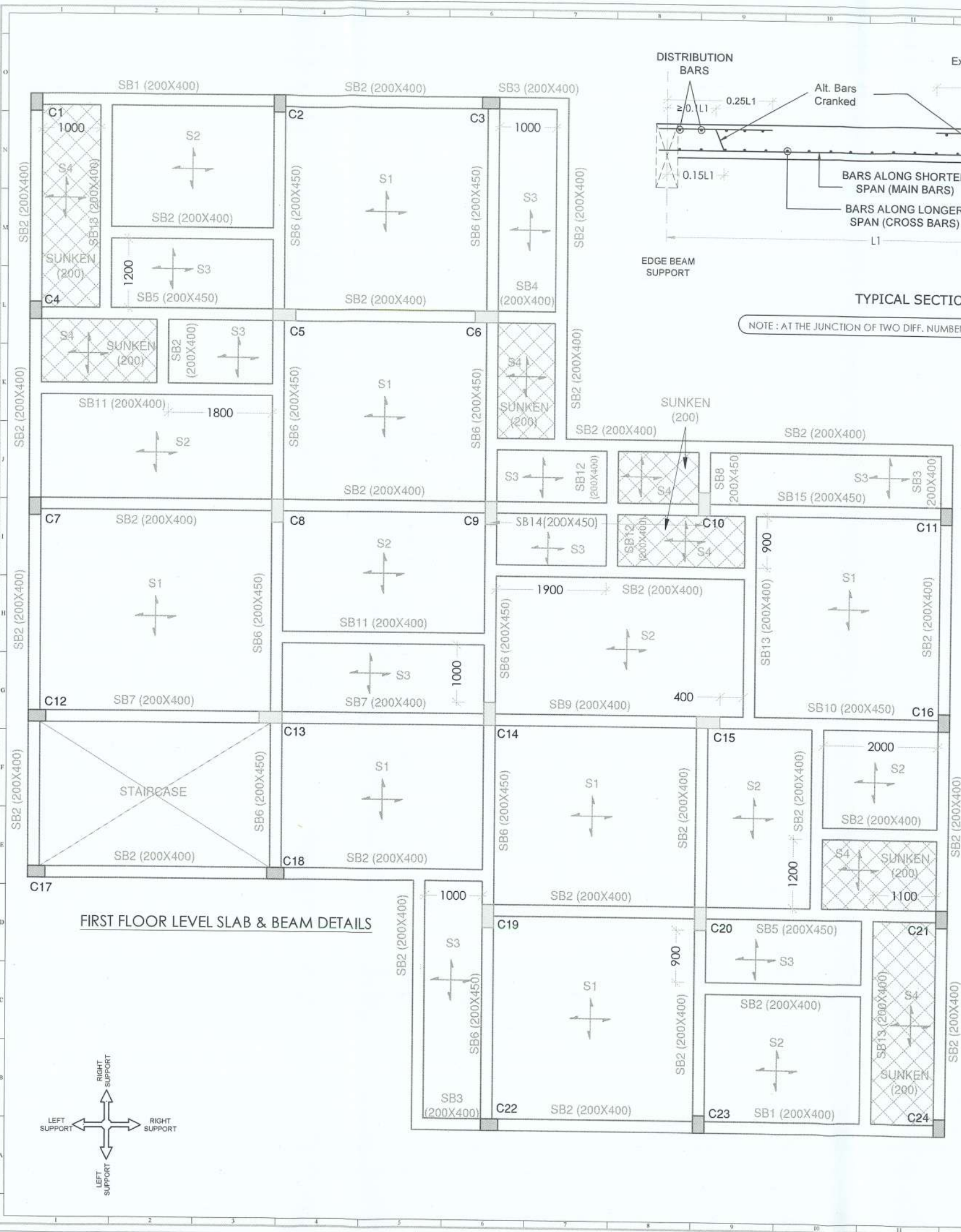
PROJECT NAME AND ADDRESS:-
RESIDENTIAL BUILDING FOR (PRIMARY HEALTH CENTER) AT DISTRICT KORBA (C.G.)

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STRUCTURAL PROOF CHECKED BY:-
DRAWING:-
STAIRCASE DETAIL

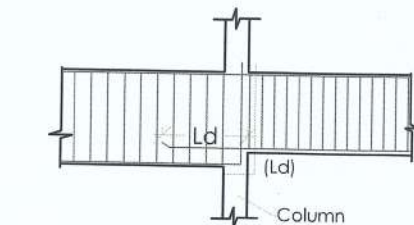
DRAWING NO.-
JS/PHC/STR/05

DATE:-
SCALE:-

Assistent Professor
Structural Engg.
UTD, CSVTU Bhubaneswar



NOTE : AT THE JUNCTION OF TWO DIFF. NUMBER OF SLABS, THE HIGHER REINFORCEMENT AT THE SUPPORT SHALL BE ADOPTED.



TYPICAL DETAILS OF REINFORCEMENT AT THE JUNCTION OF TWO UNEQUAL DEPTH OF BEAMS.

FIRST FLOOR LEVEL SLAB SCHEDULE :						
SLAB MARK	THK	BOTTOM REINFORCEMENT		TOP REINFORCEMENT		REMARK
		SHORT SPAN (BENT UP)	LONG SPAN (BENT UP)	SHORT SPAN CONTINUOUS	LONG SPAN CONTINUOUS	
S1	120	#10 @ 150	#8 @ 150	#10 @ 150	#8 @ 150	--
S2	120	#8 @ 150	#8 @ 150	#8 @ 150	#8 @ 150	--
S3	120	#8 @ 150	#8 @ 150	#8 @ 150	#8 @ 150	Double Mesh
S4	120	#8 @ 150	#8 @ 150	#8 @ 150	#8 @ 150	Double Mesh & Sunken

FIRST FLOOR LEVEL BEAM SCHEDULE									
BEAM	SIZE	BOTTOM REINFORCEMENT		TOP REINFORCEMENT			SHEAR STIRRUPS		REMARKS
		B	D	STRAIGHT	CURTAILED	STRAIGHT	EXTRA LEFT	EXTRA RIGHT	
SB1	200 400	2- #16	1- #16	3- #12	2- #16	2- #16	2L-#8@100 C/C	2L-#8@125 C/C	-
SB2	200 400	2- #16	1- #16	3- #12	2- #16	2- #16	2L-#8@100 C/C	2L-#8@125 C/C	-
SB3	200 400	2- #16	-	3- #12	2- #16	2- #16	2L-#8@100 C/C	2L-#8@125 C/C	CANTILEVER
SB4	200 400	2- #16	-	3- #12	3- #16	-	2L-#8@100 C/C	2L-#8@125 C/C	CANTILEVER
SB5	200 450	3- #16	2- #12	3- #12	3- #16	3- #16	2L-#8@100 C/C	2L-#8@125 C/C	-
SB6	200 450	2- #16	1- #16	3- #12	2- #16	2- #16	2L-#8@100 C/C	2L-#8@125 C/C	-
SB7	200 400	2- #16	1- #16	2- #16	2- #12	2- #12	2L-#8@100 C/C	2L-#8@125 C/C	-
SB8	200 450	2- #16	-	3- #16	3- #16	-	2L-#8@75 C/C	2L-#8@75 C/C	CANTILEVER
SB9	200 400	2- #16	1- #16	2- #16	2- #12	1- #16	2L-#8@100 C/C	2L-#8@125 C/C	-
SB10	200 450	2- #16	1- #16	2- #16	1- #16	3- #16	2L-#8@100 C/C	2L-#8@125 C/C	-
SB11	200 400	3- #12	3- #12	3- #12	2- #16	2- #16	2L-#8@100 C/C	2L-#8@125 C/C	-
SB12	200 400	3- #12	-	3- #12	2- #12	2- #12	2L-#8@100 C/C	2L-#8@125 C/C	-
SB13	200 400	3- #16	3- #12	3- #12	2- #16	2- #16	2L-#8@100 C/C	2L-#8@125 C/C	-
SB14	200 450	2- #16	1- #16	3- #12	2- #16	3- #16	2L-#8@100 C/C	2L-#8@125 C/C	-
SB15	200 450	2- #16	1- #12	3- #12	3- #16	2- #12	2L-#8@100 C/C	2L-#8@125 C/C	-

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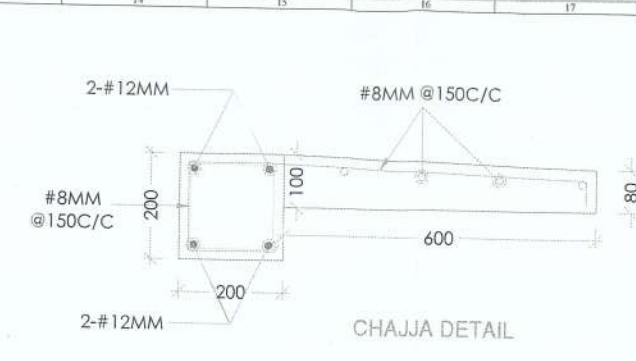
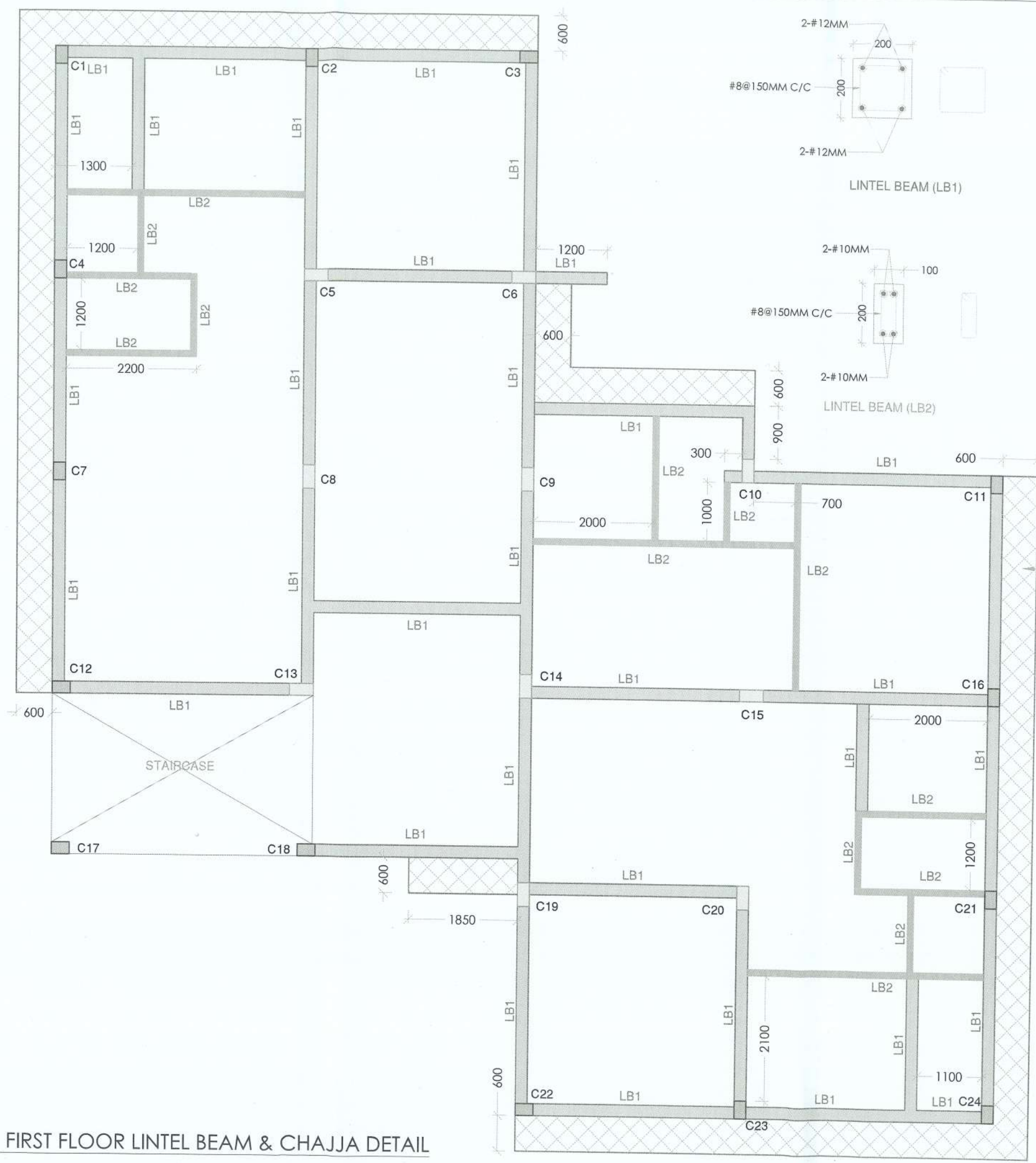
STRUCTURAL DESIGNER-
ER. SHUBHAM BAKSHI
M.Tech (Structural Engineering)
RMC No. 1712/2024
Aashwani Nagar, Raipur (C.G.)
Mob. 70005
JUST STRUCTURE
B.E., M.Tech (Structure Engineer)
Address- 779/a, Besides S.T. Thomas School, Sector-02, DDU Nagar, Raipur (C.G.) Mobile No-8827861261

ARCHITECT

PROJECT NAME AND ADDRESS-
RESIDENTIAL BUILDING FOR (PRIMARY HEALTH CENTER) AT DISTRICT KORBA (C.G.)

DRAWN BY-
STRUCTURAL PROOF CHECKED BY-
DRAWING-
FIRST FLOOR LEVEL SLAB & BEAM DETAIL
DRAWING NO.-
JS/PHC/STR/07
DATE -
SCALE -
NTS

Assistant Professor
Structural Engg.
UTD, CSVTU Bhopal

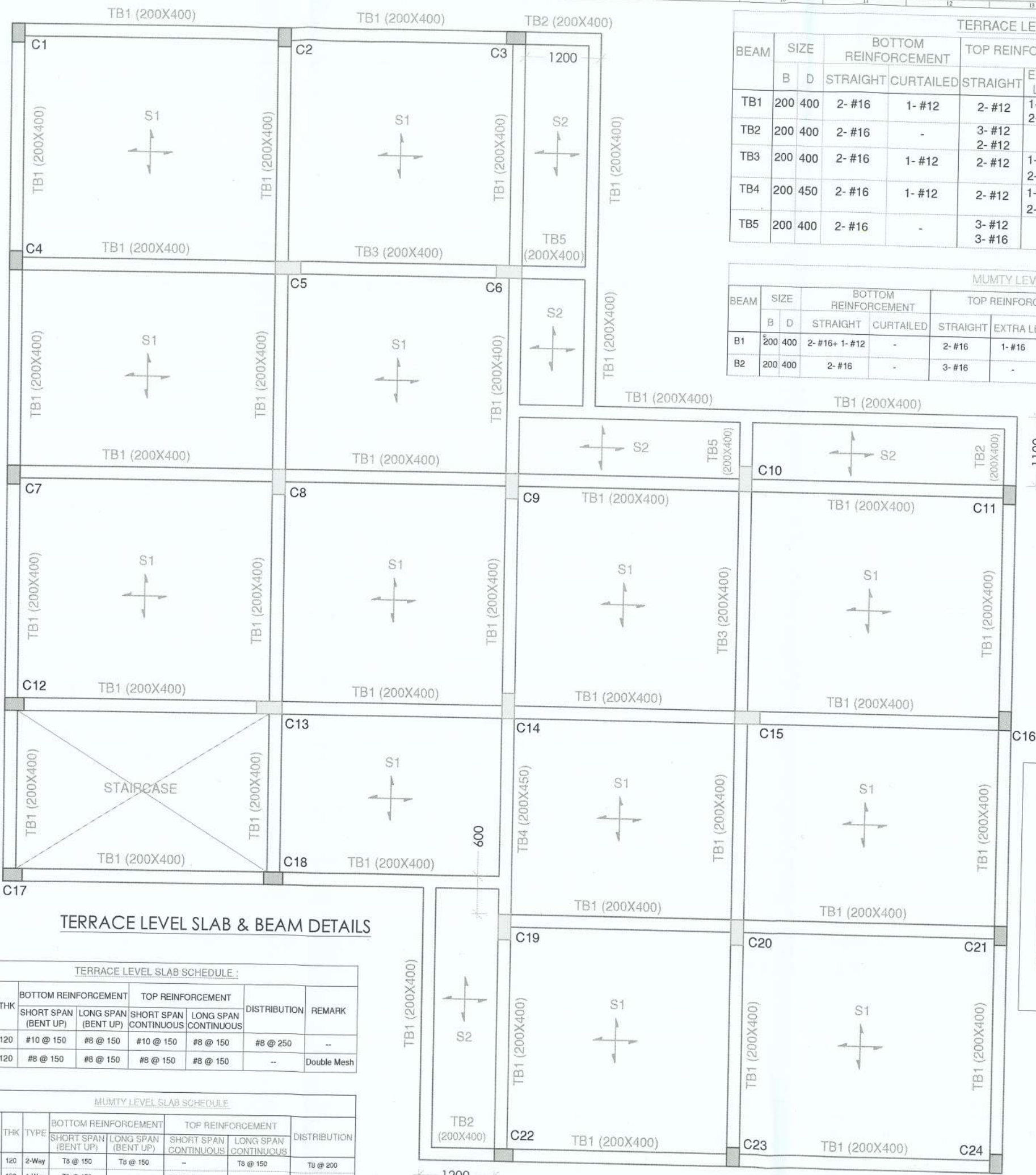


- NOTES:-**
- [GENERAL]
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE MENTIONED.
 - THIS DRAWING SHOULD BE READ ALONG WITH ALL ARCHITECTURAL DRAWINGS.
 - ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED NEITHER THE BARS SHALL BE COUNTED NOR THE DIMENSIONS SCALED FROM THE DRAWINGS.
 - ANY DISCREPANCY IN THE DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECT / CONSULTANT AND CLARIFICATION OBTAINED IN WRITING PRIOR TO EXECUTION OF WORK.
 - USE TMT BARS OF GRADE Fe-415 CONFORMING TO IS-1786 WITH UP TO DATE AMENDMENTS.
 - ALL RCC IS OF GRADE M-20 WITH MINIMUM CEMENT CONTENT 300 KG/M³ AS PER IS 456-2000.
 - P.C.C. WORK SHALL BE PROVIDED IN MIX M-10 GRADE (1:3:6).
 - USE 20mm AND DOWNGRADED AGGREGATES.
 - ALL CONCRETE SHOULD BE MECHANICALLY MIXED AND VIBRATED THROUGH OUT.
 - CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
(a) FOOTINGS = 50mm
(b) COLUMN = 40mm
(c) BEAM = 25mm
(d) SLAB = 20 mm
 - THE COVER BLOCK OF CEMENT MORTAR SHALL BE USED TO ENSURE THE REQUIRED COVER OF REINFORCEMENT.
 - LAP LENGTH/DEVELOPMENT LENGTH (L_d) FOR DIFFERENT DIAMETER OF BARS FOR CONC. MIX OF GRADE M-20 SHALL BE: 50 X DIA OF BAR.
 - THE STRUCTURE HAS BEEN DESIGNED FOR G.F.+1 = 2 STOREY.
 - NECESSARY FIXTURE FOR ELECTRICAL PLUMBING, ETC. SHALL BE PROVIDED IN SLAB, BEAMS BEFORE EXECUTION AS PER RELEVANT DRGS.
 - CURTAILMENT, SPLICING OF R/F BARS, DETAILING SPECIFICATIONS, COMPACTION OF CONCRETE, ETC., SHALL BE AS PER IS: 456 - 2000, SP34 & IS:13920 GUIDELINES.
 - THE DEPTH OF BEAM MONOLITHIC WITH SLAB AS SPECIFIED IN SCHEDULE SHALL BE INCLUSIVE OF SLAB THICKNESS UNLESS OTHERWISE SPECIFIED.
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ER. SHUBHAM BAKSHI
 M.Tech (Structural Engineering)
 RMC No. 1712/2024
 Ashwani Nagar, Raipur (C.G.)
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ER. SHUBHAM BAKSHI
 JUST STRUCTURE
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DRAWING:-	
FIRST FLOOR LINTEL BEAM & CHAJJA DETAIL	
DRAWING NO.- JS/PHC/STR/08	DATE -
	SCALE - NTS

Yashwanth Aggarwal
Assistant Professor
Structural Engg.
UTD, CSVTU Bhilai



TERRACE LEVEL BEAM SCHEDULE										
BEAM	SIZE		BOTTOM REINFORCEMENT		TOP REINFORCEMENT			SHEAR STIRRUPS		REMARKS
	B	D	STRAIGHT	CURTAILED	STRAIGHT	EXTRA LEFT	EXTRA RIGHT	END	MID SPAN	
TB1	200	400	2- #16	1- #12	2- #12	1- #12 2- #12	1- #12 2- #12	2L-#8@100 C/C	2L-#8@125 C/C	-
TB2	200	400	2- #16	-	3- #12 2- #12	-	-	2L-#8@100 C/C	2L-#8@125 C/C	CANTILEVER
TB3	200	400	2- #16	1- #12	2- #12	1- #12 2- #12	1- #12 3- #16	2L-#8@100 C/C	2L-#8@125 C/C	-
TB4	200	450	2- #16	1- #12	2- #12	1- #12 2- #12	1- #12 2- #12	2L-#8@100 C/C	2L-#8@125 C/C	-
TB5	200	400	2- #16	-	3- #12 3- #16	-	-	2L-#8@100 C/C	2L-#8@125 C/C	CANTILEVER

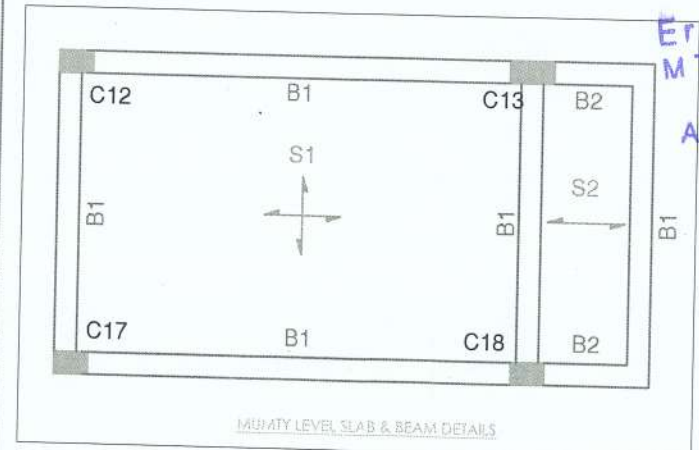
MUMTY LEVEL BEAM SCHEDULE										
BEAM	SIZE		BOTTOM REINFORCEMENT		TOP REINFORCEMENT			SHEAR STIRRUPS		REMARKS
	B	D	STRAIGHT	CURTAILED	STRAIGHT	EXTRA LEFT	EXTRA RIGHT	END	MID SPAN	
B1	200	400	2- #16+ 1- #12	-	2- #16	1- #16	1- #16	2L-#8@100 C/C	2L-#8@150 C/C	-
B2	200	400	2- #16	-	3- #16	-	-	2L-#8@100 C/C	2L-#8@150 C/C	CANTILEVERED

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TERRACE LEVEL SLAB & BEAM DETAILS

TERRACE LEVEL SLAB SCHEDULE :						
SLAB MARKED	THK	BOTTOM REINFORCEMENT		TOP REINFORCEMENT		REMARK
		SHORT SPAN (BENT UP)	LONG SPAN (BENT UP)	SHORT SPAN CONTINUOUS	LONG SPAN CONTINUOUS	
S1	120	#10 @ 150	#8 @ 150	#10 @ 150	#8 @ 150	-
S2	120	#8 @ 150	#8 @ 150	#8 @ 150	#8 @ 150	Double Mesh

MUMTY LEVEL SLAB SCHEDULE						
SLAB NUMBERS	THK	TYPE	BOTTOM REINFORCEMENT		TOP REINFORCEMENT	DISTRIBUTION
			SHORT SPAN (BENT UP)	LONG SPAN (BENT UP)	SHORT SPAN CONTINUOUS	
S1	120	2-Way	T8 @ 150	T8 @ 150	-	T8 @ 200
S2	120	1-Way	T8 @ 150	-	T8 @ 150	T8 @ 200



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M.Tech (Structural Engineering)
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Ashwani Nagar, Raipur (C.G.)
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Structural Engg.
UTD, CSVTU Bhatla