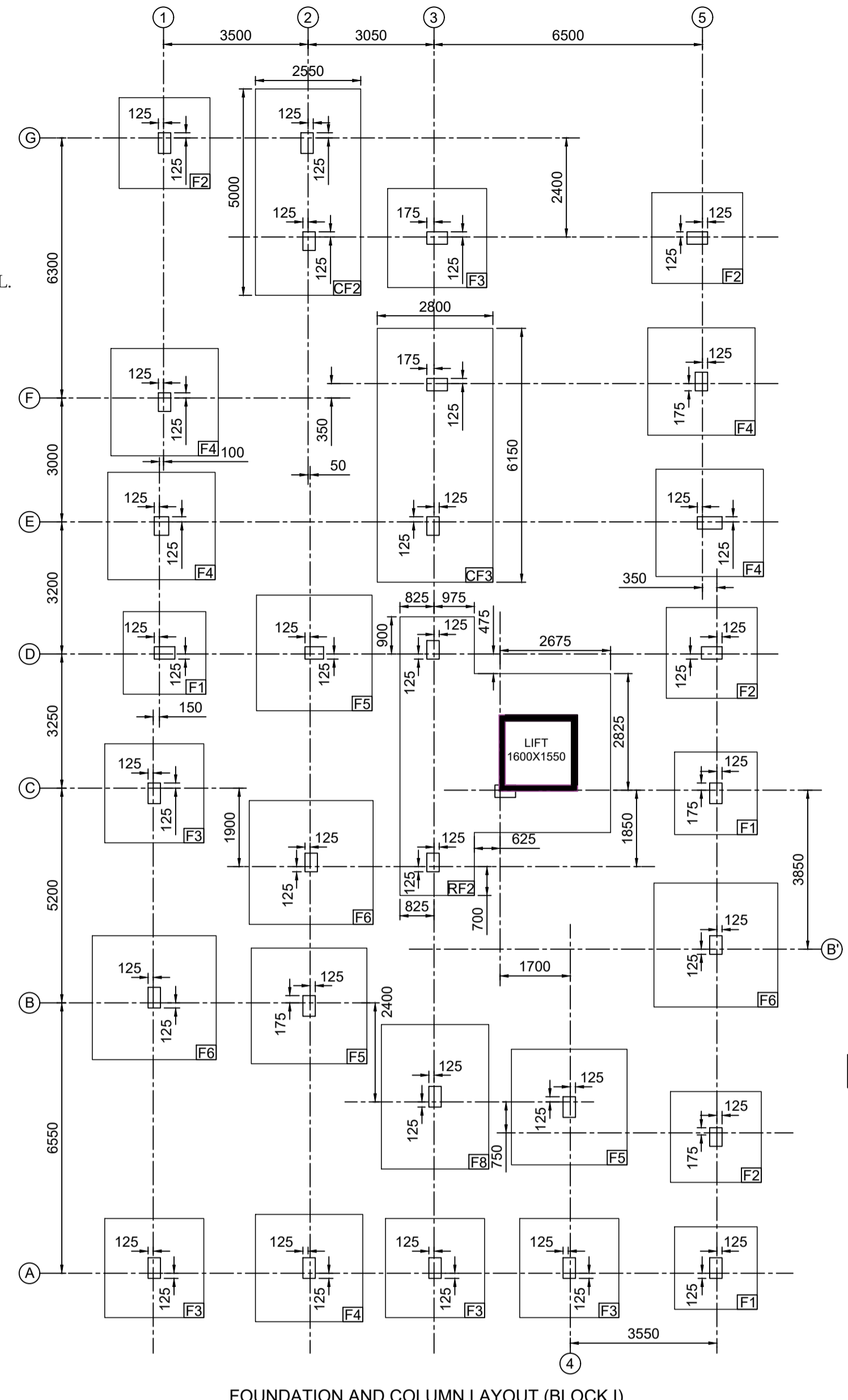
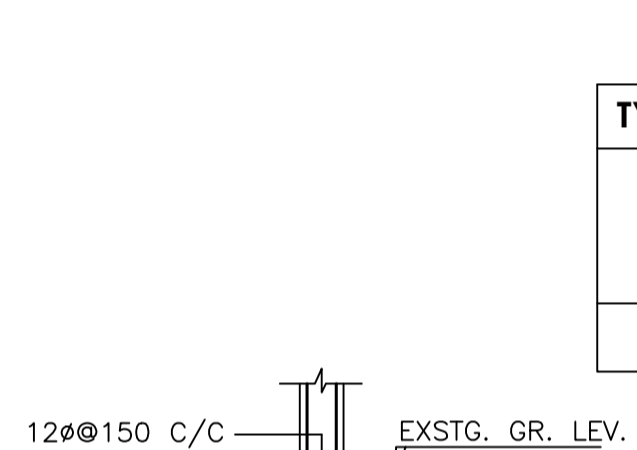
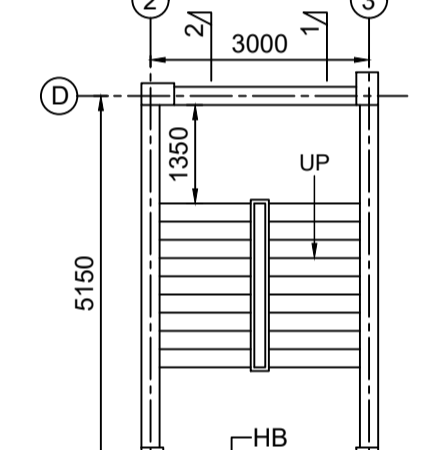
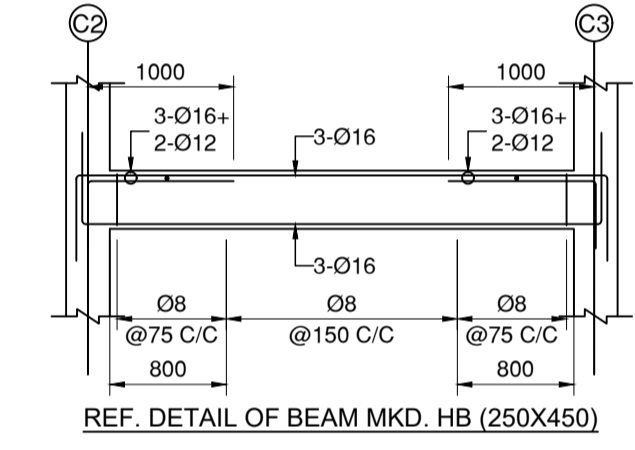
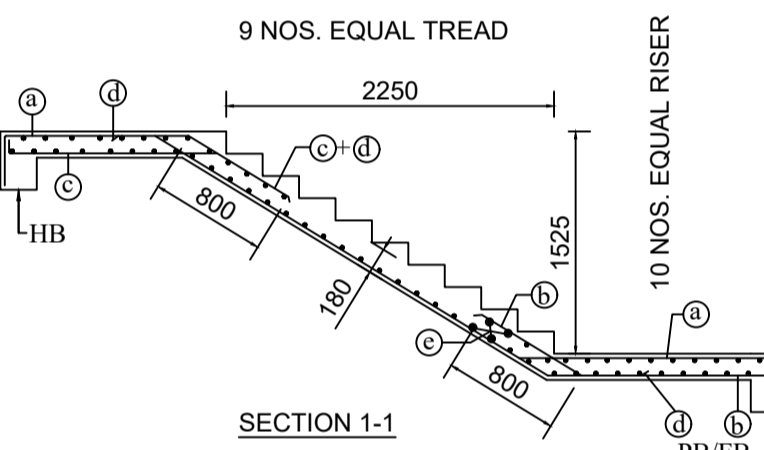
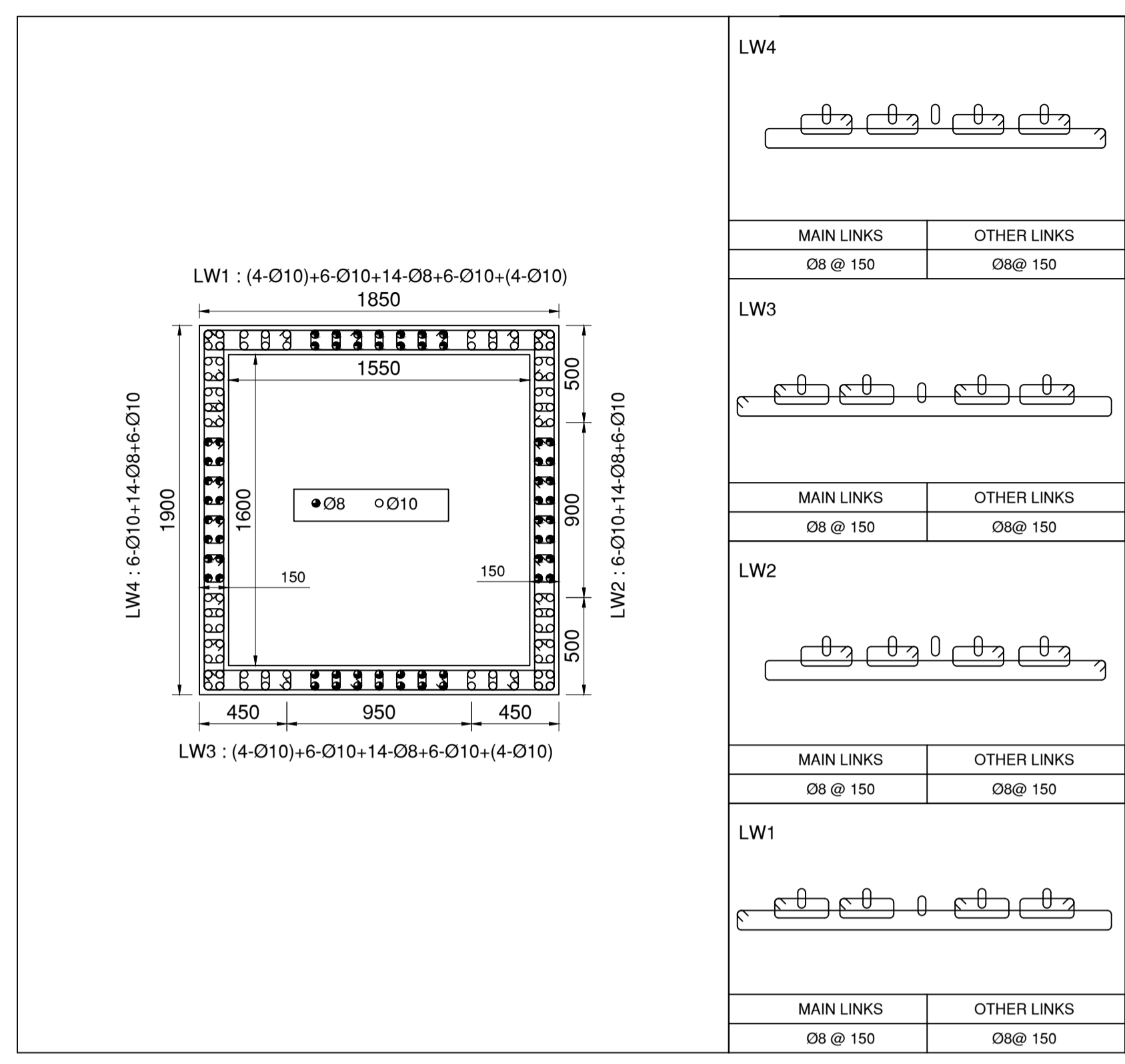


L0 = Shall not be less than,
 a) Larger lateral dimension of the member,
 b) 1/6 of clear span of member,
 c) 450 mm.

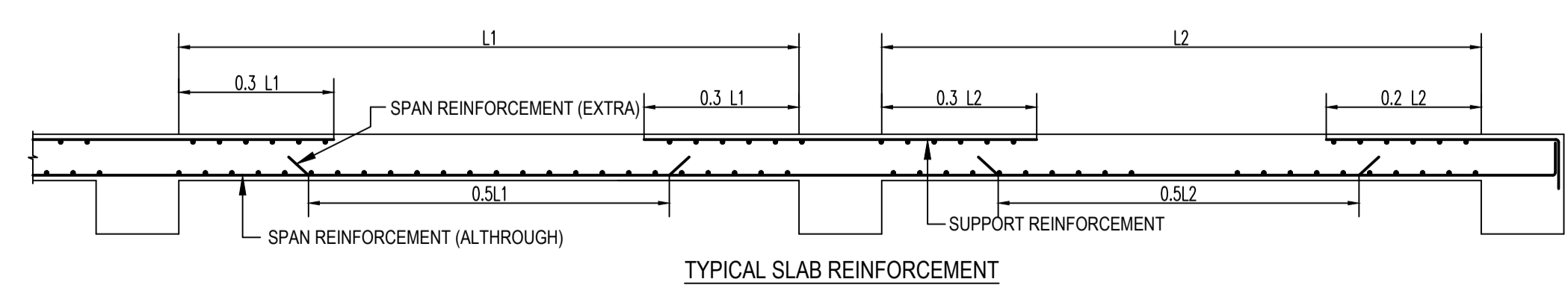


FOUNDATION AND COLUMN LAYOUT (BLOCK I)
 SCALE - 1:100



SLAB MKD.	SCHEDULE OF SLAB REINFORCEMENT						REMARKS
	ALONG SHORT SPAN			ALONG LONG SPAN			
	BOTTOM ALTHROUGH	EXTRA BOTT. AT MID SPAN	TOP AT SUPPORT	BOTTOM ALTHROUGH	EXTRA BOTT. AT MID SPAN	TOP AT SUPPORT	
[S1]	100 @ 300	100 @ 300	100 @ 150	100 @ 300	100 @ 300	100 @ 150	1. TOP REINFORCEMENT AT DISCONTINUOUS SUPPORT - 80 AT 200 2. PROVIDE CHAIRS OF Ø10 AS REQUIRED TO KEEP THE TOP BARS IN POSITION 3. REFER FIGURE "TYPICAL SLAB REINFORCEMENT" 4. FOR TOP REINFORCEMENT AT COMMON EDGE OF TWO SLABS, PROVIDE HEAVIER BAR OF TWO / LESSER SPACING IN CASE OF SAME DIAMETER.
[S2]	80 @ 300	80 @ 300	80 @ 150	80 @ 300	80 @ 300	80 @ 150	
[S3]	80 @ 300	80 @ 300	80 @ 200	80 @ 300	80 @ 300	80 @ 200	
	80 @ 300	80 @ 300	80 @ 200	80 @ 300	80 @ 300	80 @ 200	

NOTE: SLAB THICKNESS = 125MM (GENERAL)
 SLAB THICKNESS = 150MM (SLAB MKD. S1) - TO BE FOLLOWED IN TERRACE WHEN PRESENT WITH 'T'

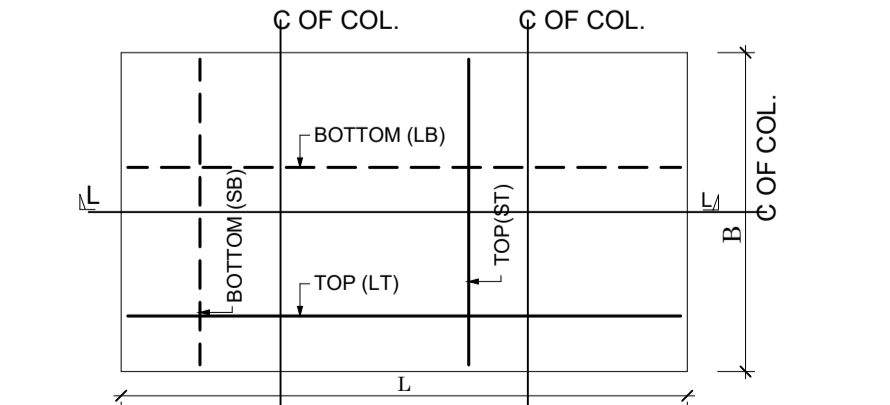
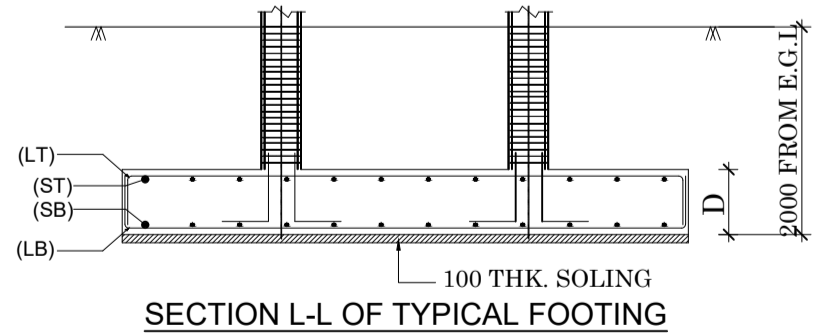


SCHEDULE OF BARS IN STAIRS	
MARKING	REINFORCEMENT DETAILS
a	12mm Ø @ 150mm c/c
b	12mm Ø @ 150mm c/c
c	12mm Ø @ 150mm c/c
d	8mm Ø @ 150mm c/c
e	8mm Ø @ 200mm c/c

FND. MKD.	DEPTH (D)	REINFORCEMENT DETAILS			
		LONGITUDINAL REINFORCEMENT		TRANSVERSE REINFORCEMENT	
		AT TOP(LT)	AT BOTTOM(LB)	AT TOP(ST)	AT BOTTOM(SB)
CF1	500	120 @ 200	120 @ 150	120 @ 200	120 @ 150
CF2	500	120 @ 150	120 @ 150	120 @ 150	120 @ 150
CF3	500	120 @ 150	160 @ 150	120 @ 150	160 @ 150
RF1	500	200 @ 200	250 @ 200	200 @ 200	200 @ 150
RF2	450	200 @ 150	200 @ 150	200 @ 150	200 @ 150

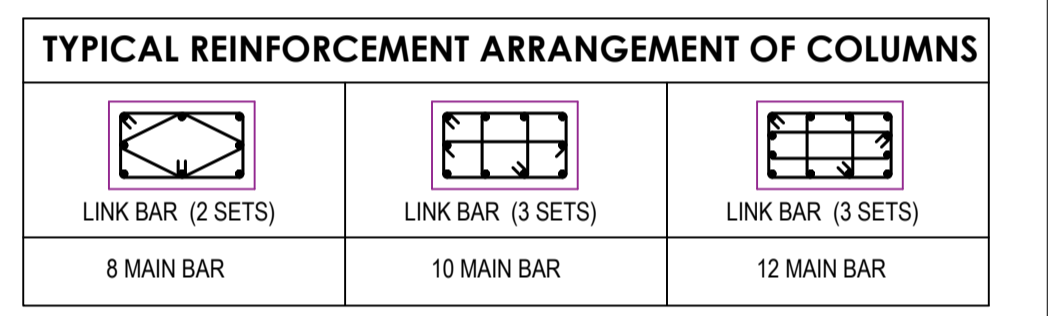
NOTE: DIMENSION IS PROVIDED IN FOUNDATION PLAN

NOTE: SPECIAL CONFINED REINFORCEMENT TO BE PROVIDED FOR A LENGTH OF 800 MM. @ 100 MM. C/C; CONFINING BAR SHOULD BE SAME AS THE DIA. OF STIRRUPS BAR USED IN A PARTICULAR BEAM UNLESS OTHERWISE SPECIFIED.



REINFORCEMENT ARRANGEMENT OF COMBINED FOOTING
 NOT TO SCALE

COLUMN NO.	COLUMN SIZE		LONGITUDINAL REINFORCEMENT DETAILS		STIRRUPS	
	Lx	Ly	Upto 2nd floor roof level	Remaining floor	(ZONE-1)	(ZONE-2)
	REINFORCEMENT DETAILS					
A1	300	500	4-Ø16+4-Ø20	8-Ø16	8@100	8@150
A2	300	500	10-Ø20	6-Ø16+4-Ø20	8@100	8@150
A3	300	500	6-Ø16+4-Ø20	8-Ø16	8@100	8@150
A4	300	500	6-Ø16+4-Ø20	8-Ø16	8@100	8@150
A5	300	500	6-Ø16+4-Ø20	8-Ø16	8@100	8@150
B1	300	500	6-Ø16+4-Ø20	8-Ø16	8@100	8@150
B2	300	500	4-Ø16+4-Ø20	8-Ø16	8@100	8@150
B3	300	500	10-Ø20	10-Ø16	8@100	8@150
B4	300	500	4-Ø16+4-Ø20	8-Ø16	8@100	8@150
B5	300	450	8-Ø16	8-Ø16	8@100	8@150
B5	300	450	4-Ø16+6-Ø25	6-Ø16+6-Ø20	8@100	8@150
C1	300	500	6-Ø16+6-Ø20	6-Ø16+6-Ø20	8@100	8@150
C2	300	450	6-Ø16+8-Ø20	12-Ø16	8@100	8@150
C3	300	450	6-Ø16+4-Ø20	8-Ø16	8@100	8@150
C4	500	300	6-Ø16+4-Ø20	8-Ø16	8@100	8@150
C5	300	500	8-Ø16	8-Ø16	8@100	8@150
D1	500	300	6-Ø16+4-Ø20	8-Ø16	8@100	8@150
D2	450	300	6-Ø16+4-Ø20	8-Ø16	8@100	8@150
D3	300	450	6-Ø16+4-Ø20	8-Ø16	8@100	8@150
D5	500	300	4-Ø16+6-Ø20	8-Ø16	8@100	8@150
E1	350	450	10-Ø20	10-Ø16	8@100	8@150
E3	300	450	4-Ø16+6-Ø20	10-Ø16	8@100	8@150
E5	600	300	6-Ø16+4-Ø20	10-Ø16	8@100	8@150
F1	300	450	6-Ø16+4-Ø20	10-Ø16	8@100	8@150
F3	500	300	10-Ø20	10-Ø16	8@100	8@150
F5	300	450	10-Ø20	4-Ø16+6-Ø20	8@100	8@150
F2	300	450	6-Ø20+6-Ø25	6-Ø16+6-Ø20	8@100	8@150
F3	500	300	4-Ø20+6-Ø25	10-Ø20	8@100	8@150
F5	500	300	4-Ø16+8-Ø20	12-Ø16	8@100	8@150
G1	300	500	6-Ø20+6-Ø25	6-Ø16+6-Ø20	8@100	8@150
G2	300	500	8-Ø20+4-Ø25	12-Ø16	8@100	8@150
SC-1	250	250	-	8-Ø16	8@100	8@150
SC-2	250	250	-	6-Ø16+4-Ø20	8@100	8@150



SCHEDULE OF ISOLATED FOOTING			
MKD.	SIZE (LXB)	DEPTH (T/T+D)	REINFORCEMENT (RF)
F1	2000 x 2000	200/400	120 @ 200
F2	2200 x 2200	200/400	120 @ 200
F3	2400 x 2400	200/450	120 @ 150
F4	2600 x 2600	250/500	120 @ 150
F5	2800 x 2800	500	160 @ 200
F6	3000 x 3000	500	160 @ 200
F7	3300 x 3300	500	160 @ 175
F8	2600 x 3500	450	160 @ 175

PROJECT TITLE:-
 G+4 STORIED RESIDENTIAL CUM COMMERCIAL BUILDING OF SRI. SHYAMAL ROY

DRAWING TITLE:- FOUNDATION & COLUMN, STAIRCASE, HALF LANDING BEAM, LIFT & SLAB DETAILS OF BLOCK-1

DECLARATION

We do hereby certify that the foundation and superstructure of the building proposed for construction on Plot no: 112(R.S.) & 163 (L.R) At Sashtri nagar, P.S. - Bhaktinagar, Dist. - Jalpaiguri under the jurisdiction of Siliguri Municipal Corporation/ Notified Area Authority/ Industrial Township Authority have been personally inspected and so designed by us will make such foundation and super structure safe in all respect including the consideration of bearing capacity and settlement of soil and other condition if any conforming to all stipulations of all relevant IS CODE of practice.

SIGN OF STRUCTURAL ENGINEER

CREOZENTH CIVIL & STRUCTURAL ENGINEERING CONSULTANTS

ADDRESS: 10, HAREN MUKHERJEE ROAD, SILIGURI
 CONTACT NUMBER: +91 7908820322/ 9830577330
 STRUCTURAL DRAWING IS PREPARED BY CREOZENTH. NO PART OF THE DRAWING SHOULD BE DUPLICATED WITHOUT THE CONSENT OF THE FIRM.

DESIGNED BY: S. BASAK
 DRAWN BY: S. SAHA & N. RAI
 CHECKED BY: R. CHAKRABORTI

SCALE 1:100 SHEET NO. STR/01 DATE: 07/02/2023

NOTES :-

- DEPTH OF FOUNDATION HAS BEEN CONSIDERED 2M IN DESIGN FOR A BEARING CAPACITY OF 130 KN/SQM AS PER SOIL REPORT SUBMITTED BY ACHARYA ASSOCIATES.
- ALL DIMENSION AND ELEVATIONS ARE IN M.M. UNLESS NOTED OTHERWISE
- USE M-25 GRADE FOR CONCRETE WORK.
- REINFORCEMENT STEEL WILL BE OF GRADE Fe-500
- USE COLD TWISTED DEFORMED REINFORCING BAR CONFORMING TO IS: 1786.
- MINIMUM CLEAR CONCRETE COVER SHALL BE AS FOLLOWS:

ITEM	TOP	BOTTOM	SIDE
FOOTING	60	60	60
COLUMN	-	-	40
BEAM	25	25	25
SLAB	20	20	25

- UNLESS SPECIFIED OTHERWISE ALL HOOKS, BENDS, LAPS, SPLICES ETC. SHALL BE AS PER LATEST IS-456 & OTHER RELEVANT INDIAN STANDARDS. PROVIDE DEVELOPMENT LENGTH 40D WHERE.
- "D" IS THE DIAMETER OF REINFORCING BAR.
- ALL DIMENSIONS AND DETAILS ARE TYPICAL UNLESS INDICATED OTHERWISE.
- THIS DRAWING WILL BE READ IN CONJUNCTION WITH CONTRACT DOCUMENT.
- DESIGN IS BASED ON IS-456-2000; IS-1893(PART1)-2016, IS-875(PARTII)-1987