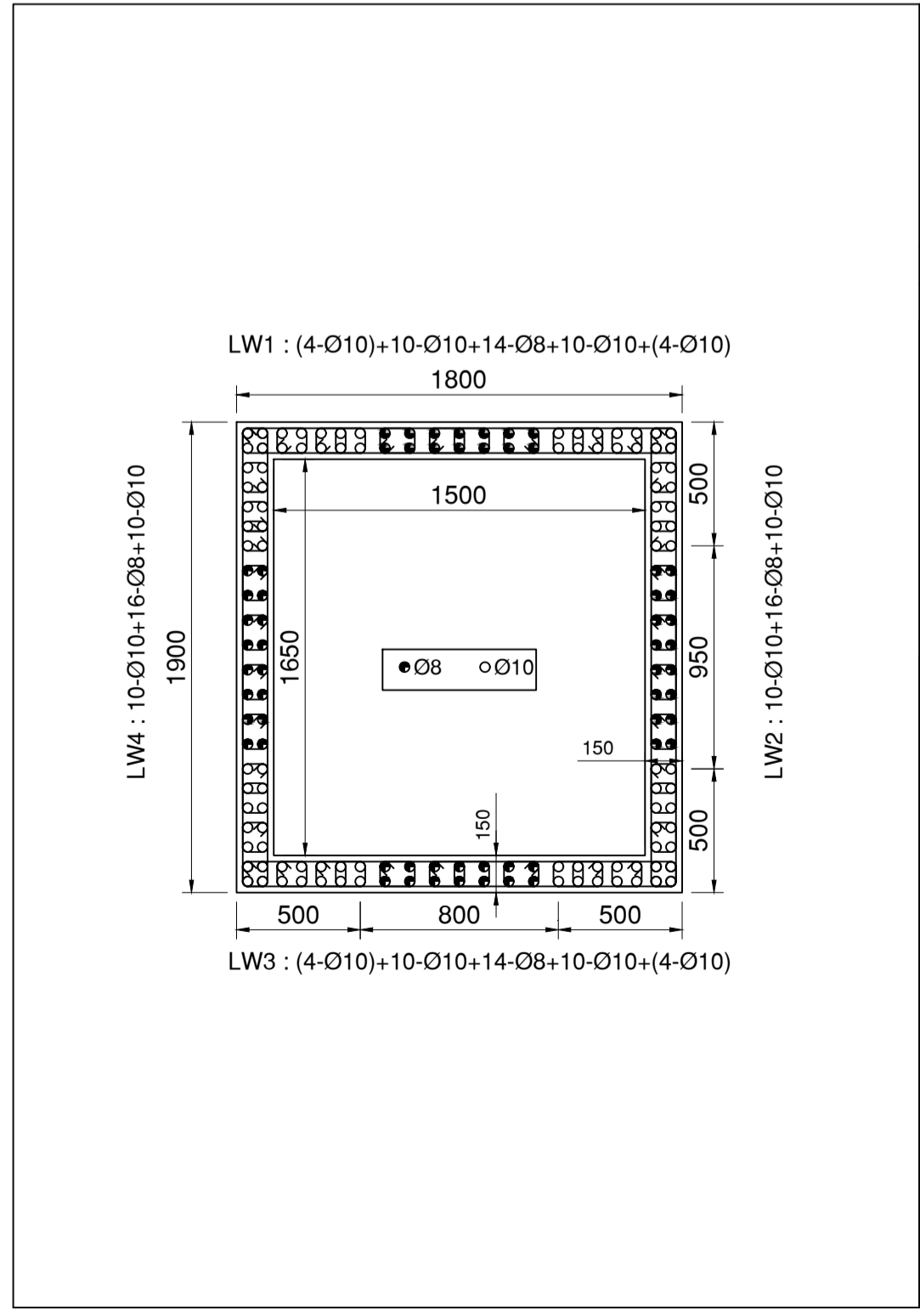


COLUMN NO.	COLUMN SIZE		LONGITUDINAL REINFORCEMENT DETAILS		STIRRUPS	
	Lx	Ly	Up to 2nd floor roof level	Remaining floor	(ZONE-1)	(ZONE-2)
	A1	300	450	6-Ø16+4-Ø25	10-Ø16	8@100
A2	300	500	4-Ø20+8-Ø25	4-Ø16+8-Ø20	8@100	8@150
A3	300	450	4-Ø20+6-Ø25	6-Ø16+4-Ø25	8@100	8@150
A5	300	450	4-Ø16+8-Ø25	4-Ø16+8-Ø20	8@100	8@150
A6	300	450	4-Ø16+6-Ø25	10-Ø16	8@100	8@150
B1	700	300	12-Ø25	12-Ø20	8@100	8@150
B2	300	450	6-Ø16+4-Ø25	10-Ø16	8@100	8@150
B3	300	450	6-Ø16+4-Ø25	6-Ø16+4-Ø25	8@100	8@150
B5	300	450	6-Ø16+4-Ø25	10-Ø16	8@100	8@150
B6	300	450	4-Ø16+6-Ø25	6-Ø16+4-Ø25	8@100	8@150
C1	450	300	4-Ø16+6-Ø25	10-Ø16	8@100	8@150
C2	450	300	6-Ø16+4-Ø25	10-Ø16	8@100	8@150
C3	300	450	4-Ø16+4-Ø20	4-Ø16+4-Ø20	8@100	8@150
C4	450	300	6-Ø16+4-Ø25	6-Ø16+4-Ø20	8@100	8@150
C5	300	450	4-Ø16+8-Ø25	10-Ø16	8@100	8@150
D1	450	300	6-Ø16+4-Ø20	10-Ø16	8@100	8@150
D2	300	450	6-Ø16+4-Ø20	10-Ø16	8@100	8@150
D3	450	300	4-Ø16+6-Ø20	6-Ø16+4-Ø20	8@100	8@150
D5	450	300	6-Ø16+4-Ø25	6-Ø16+4-Ø20	8@100	8@150
D6	300	450	6-Ø16+4-Ø20	10-Ø16	8@100	8@150
E1	450	300	4-Ø16+6-Ø20	10-Ø16	8@100	8@150
E2	450	300	6-Ø16+4-Ø25	6-Ø16+4-Ø20	8@100	8@150
E3	300	450	6-Ø16+4-Ø20	10-Ø16	8@100	8@150
E4	450	300	6-Ø16+4-Ø20	6-Ø16+4-Ø20	8@100	8@150
E6	450	300	4-Ø16+6-Ø20	6-Ø16+4-Ø20	8@100	8@150
F1	450	300	4-Ø16+6-Ø25	10-Ø16	8@100	8@150
F2	450	300	4-Ø16+6-Ø25	10-Ø16	8@100	8@150
G1	450	300	4-Ø16+6-Ø20	10-Ø16	8@100	8@150
G2	450	300	4-Ø16+6-Ø25	6-Ø16+4-Ø20	8@100	8@150
G4	300	450	4-Ø16+6-Ø25	6-Ø16+4-Ø25	8@100	8@150
G5	300	450	4-Ø16+6-Ø25	10-Ø16	8@100	8@150
G6	450	300	4-Ø16+8-Ø25	4-Ø16+8-Ø20	8@100	8@150
H1	450	300	4-Ø16+6-Ø25	10-Ø16	8@100	8@150
H2	300	500	12-Ø25	6-Ø16+4-Ø25	8@100	8@150
H3	300	450	4-Ø20+8-Ø25	4-Ø16+8-Ø20	8@100	8@150
H5	450	300	4-Ø20+6-Ø25	4-Ø16+6-Ø20	8@100	8@150
H6	450	300	4-Ø20+6-Ø25	10-Ø20	8@100	8@150
J1	450	300	4-Ø20+6-Ø25	10-Ø16	8@100	8@150
J2	500	300	12-Ø25	4-Ø16+8-Ø20	8@100	8@150
J3	300	450	4-Ø16+8-Ø25	4-Ø16+8-Ø20	8@100	8@150
J4	300	450	4-Ø20+8-Ø25	4-Ø16+8-Ø20	8@100	8@150
J5	300	450	4-Ø16+8-Ø25	12-Ø16	8@100	8@150
J6	300	450	4-Ø16+8-Ø25	12-Ø16	8@100	8@150
SC	250	250	-	4-Ø20	8@100	8@150

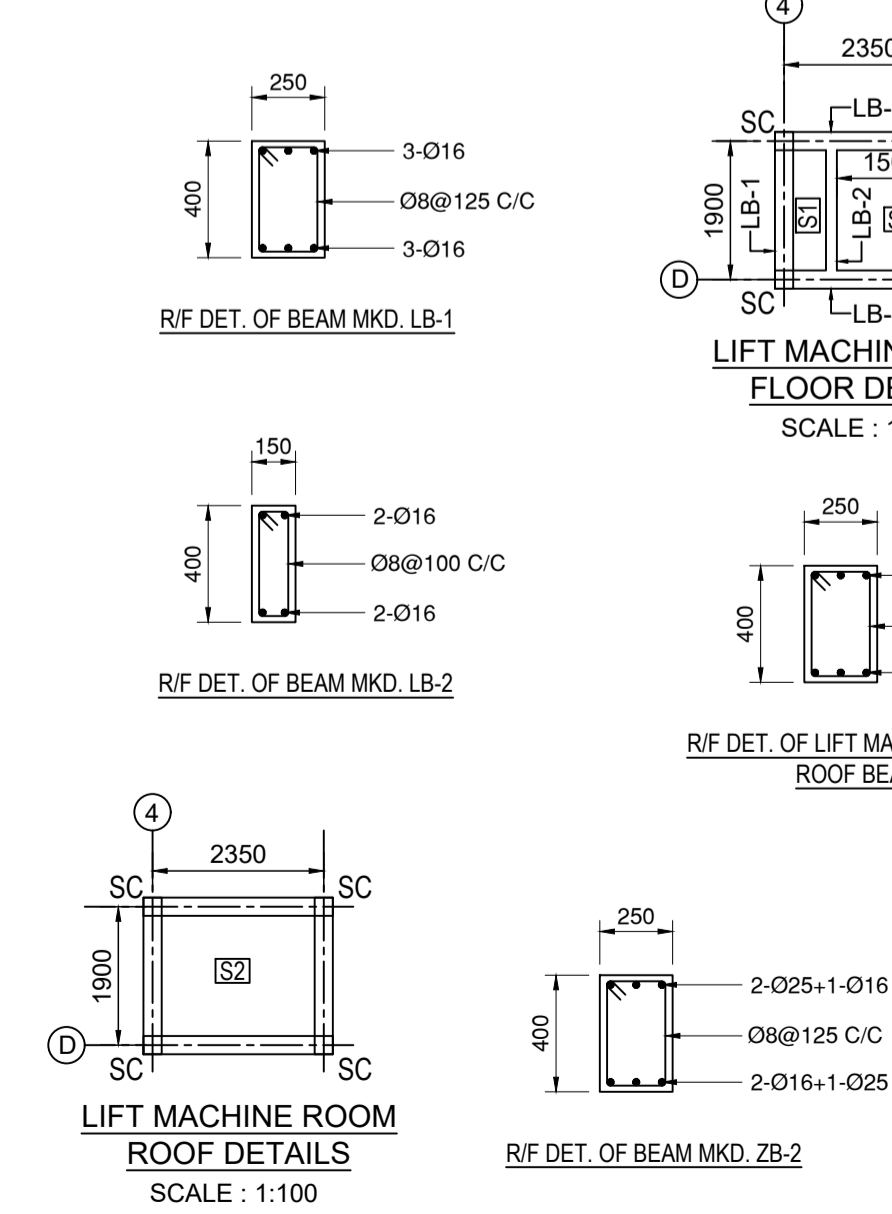
L0 = Shall not be less than,
 a) Larger lateral dimension of the member,
 b) 1/6 of clear span of member,
 c) 450 mm.

FOUNDATION AND COLUMN LAYOUT
SCALE - 1:100

MARKING	REINFORCEMENT DETAILS
a	12mm Ø @150mm c/c
b	12mm Ø @150mm c/c
c	12mm Ø @150mm c/c
d	12mm Ø @150mm c/c
e	12mm Ø @150mm c/c
f	12mm Ø @150mm c/c
g	8mm Ø @150mm c/c
h	8mm Ø @150mm c/c



MAIN LINKS	OTHER LINKS
Ø8 @ 150	Ø8 @ 150
Ø8 @ 150	Ø8 @ 150
Ø8 @ 150	Ø8 @ 150
Ø8 @ 150	Ø8 @ 150
Ø8 @ 150	Ø8 @ 150



MUMTY DETAILS
SCALE : 1:100

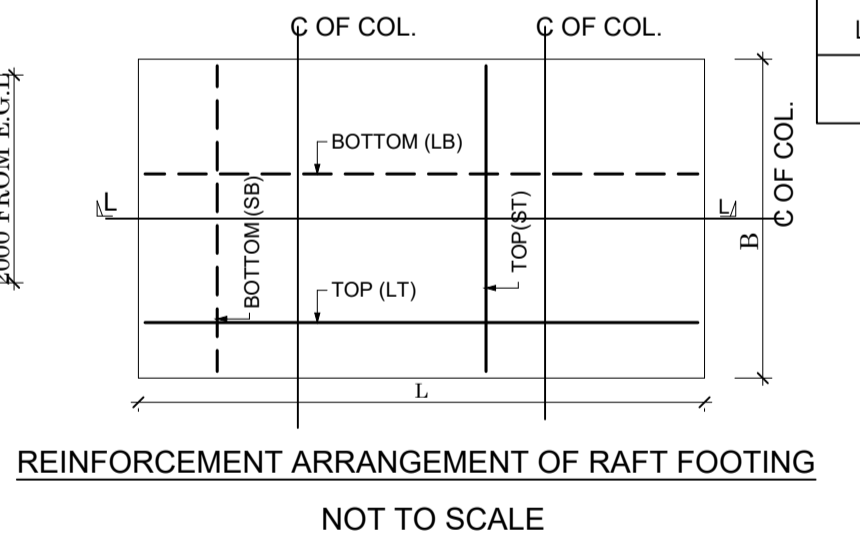
LIFT MACHINE ROOM FLOOR DETAILS
SCALE : 1:100

LIFT MACHINE ROOM ROOF DETAILS
SCALE : 1:100

MKD.	SIZE (LXB)	DEPTH (D)	REINFORCEMENT (RF)
F1	2000 x 2000	350	12Ø @ 200
F2	2200 x 2200	400	12Ø @ 175
F3	2400 x 2400	450	12Ø @ 150
F4	2600 x 2600	450	12Ø @ 150
F5	2800 x 2800	450	12Ø @ 150
F6	3000 x 3000	450	12Ø @ 150
F7	3300 x 3300	450	16Ø @ 200

RAFT MKD.	DEPTH (D)	REINFORCEMENT DETAILS			
		LONGITUDINAL REINFORCEMENT		TRANSVERSE REINFORCEMENT	
		AT TOP(LT)	AT BOTTOM(LB)	AT TOP(ST)	AT BOTTOM(SB)
CF	400	12Ø @ 200	20Ø @ 150	12Ø @ 200	20Ø @ 200
RF1	400	12Ø @ 150	16Ø @ 150	12Ø @ 150	16Ø @ 150
RF2	450	12Ø @ 200	20Ø @ 125	12Ø @ 200	20Ø @ 125
RF3	450	12Ø @ 200	20Ø @ 200	12Ø @ 200	20Ø @ 200
RF4	450	12Ø @ 200	16Ø @ 125	12Ø @ 200	16Ø @ 125

NOTE: DIMENSION IS PROVIDED IN FOUNDATION PLAN



REINFORCEMENT ARRANGEMENT OF RAFT FOOTING
NOT TO SCALE

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.

- NOTES :-
- DEPTH OF FOUNDATION HAS BEEN CONSIDERED 2M IN DESIGN FOR A BEARING CAPACITY OF 110 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

TYPICAL REINFORCEMENT ARRANGEMENT OF COLUMNS			
LINK BAR (1 SET)	LINK BAR (2 SETS)	LINK BAR (3 SETS)	LINK BAR (4 SETS)
4 MAIN BAR	8 MAIN BAR	10 MAIN BAR	12 MAIN BAR

PROJECT TITLE:-
 G+4 STORIED RESIDENTIAL CUM COMMERCIAL BUILDING OF OASIS VENTURES REPRESENTED BY ITS PARTNER SRI KASHINATH AGARWAL

DRAWING TITLE:-FOUNDATION, COLUMN, STAIRCASE, MUMTY, LIFT, LIFT MACHINE ROOM BEAM DETAILS

DECLARATION

We do hereby certify that the foundation and superstructure of the building proposed for construction on Plot no. (R.S)3550, (L.R)89 At Sashtri Nagar, Siliguri Ward No-41, PS- 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 superstructure 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
 DEALT BY: N. RAI
 CHECKED BY: R. CHAKRABORTI

REV. NO. DATE

SCALE 1:100 SHEET NO. STR/01 DATE:08/12/2022