

	BEAM SCHEDUL	E
BEAM NO.	SEC. AT SUPPORT (M25)	SEC. AT SPAN (M25)
BEAM B1 (200x500)	2-20页(alth.) 2-20页(ext.) 	2-20页(alth.) 2-20页(alth.) 10页@125c/c 2-20页(ext.) 2-20页(alth.)
BEAM B2 (200x500)	2-20页(alth.) 2-20页(alth.) 2-16页(ext.) 10页@100c/c 2-20页(alth.)	2-20页(alth.) 10页@150c/c 2-16页(ext.) 2-20页(alth.)
BEAM B3 (200x500)	200 2-20页(alth.) 8页@125c/c 2-20页(alth.)	200 2-20页(alth.) 8页@150c/c 2-16页(ext.) 2-20页(alth.)
BEAM B4 (200x500)	2-16 页(alth.) 	200 2-16 页(alth.) 8页@125c/c 2-16 页(ext.) 2-16 页(alth.)
BEAM B5 (200x500)	2-20页(alth.) 2-20页(ext.) 	2-20页(alth.)
BEAM B6 (250x500)	3-20页(alth.) 3-20页(ext.) -10页@100c/c -3-20页(alth.)	250 3-20页(alth.) 10页@125c/c 3-20页(ext.) 3-20页(alth.)
BEAM B7 (250x500)	250 3-20页(alth.) 8页@125c/c 3-20页(alth.)	250 3-20页(alth.) 8页@150c/c 3-16页(ext.) 3-20页(alth.)

REINF. SCHEDULE							
REINF. MKD.	SPACING						
а	8₹@125c/c(bott. st.)						
b	8₹@125c/c(top st.)						
С	8₹@100c/c(bott. st.)						
d	8₹@100c/c(top st.)						
е	8₹@150c/c(bott. st.)						
f	8₹@150c/c(top st.)						

NAME OF OWNERS

VIDHAYAK BUILDERS PRIVATE LIMITED REP. BY IT'S DIRECTOR VIKASH AGARWAL

LOCATION - LENIN SARANI, DESHBANDHUPARA SILIGURI . W.B. WARD NO - 29 DISTRIC - DARJEELING PIN - 734004

SILIGURI MUNICIPAL CORPORATION

DIRECTOR

CERTIFICATE OF OWNERS:CERTIFIED THAT I HAVE GONE THROUGH THE BUILDING RULES FOR SILIGURI MUNICIPAL
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SIGNATURE OF OWNERS

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SIGNATURE OF ARCHITECT

TYPE OF DRAWING :- CORPORATION DRAWING

TITLE :- TYPICAL FLOOR BEAM, SLAB LAYOUT & SCHEDULE

PROJECT -

PROPOSED G+III STORIED RESIDENTIAL CUM COMMERCIAL BUILDING AT MOUZA, SILIGURI, J.L. NO. 88, SHEET NO. 6, P.S. SILIGURI, DIST. DARJEELING.

ARCHITECTS



STRUCTURAL CONSULTANT :-

ADROIT CONSULTANT 10/3, PANCHANANTALA ROAD KOLKATA 700029

DRAWN BY:- R.H DRG. NO:-MS/ST-04

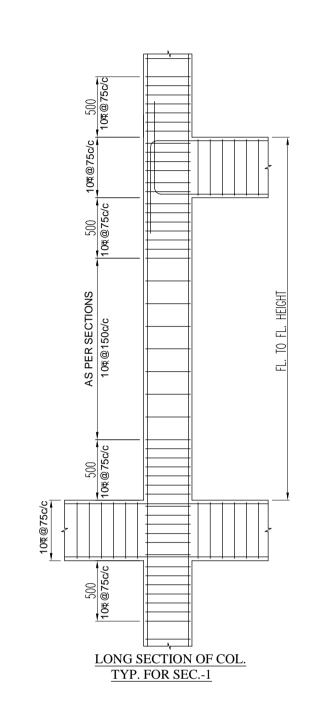
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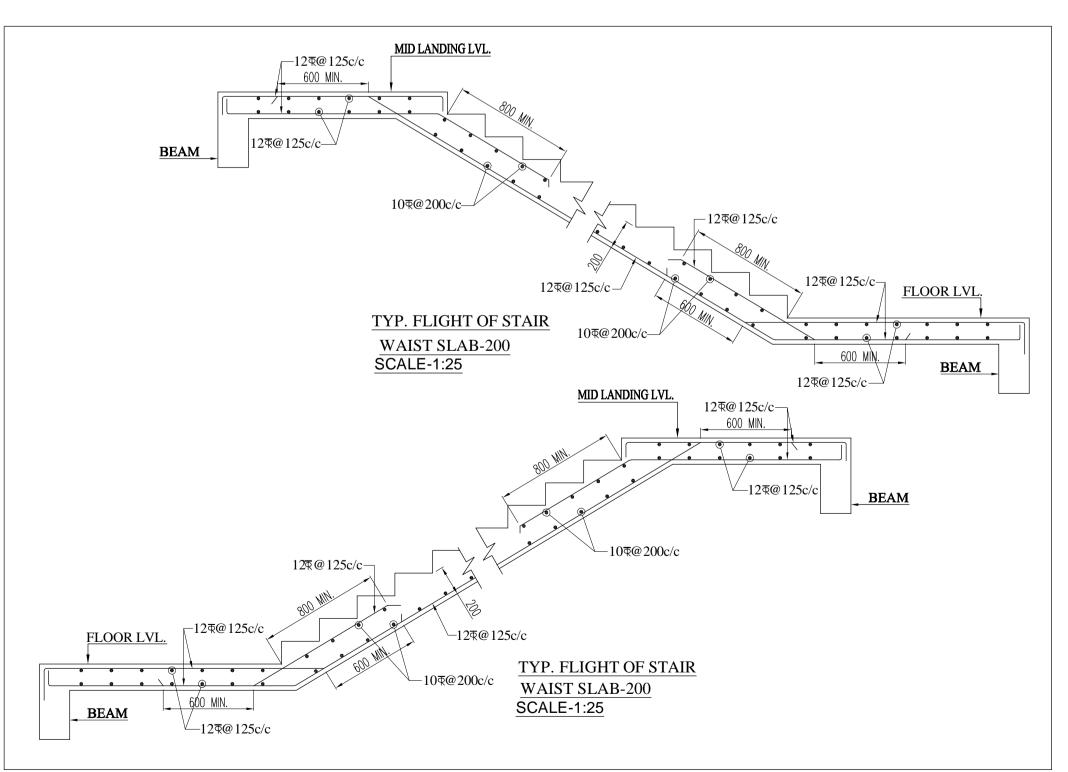
	(A) (B) (C)			
	<u>1</u> 20 2465 <u>1560</u>	285	150 R 1750 1350 1525 255 1	1680 950 820
1			C2	250 C3 250 C4
6375				
		600	900	600
2500	250_	C5	C6	C7
(3)————————————————————————————————————	-054 C 8			C11
5	250 	_ 🕶 📗 ! ! ! !	250 	
6 0045	700	C13 C14		C16
(8) (8)	C17		500 C19	
9	250_	600	450	450
	C21	C22	C23	C24
			C26	C27
13	C28	C29	300 C30	C31
3450		029		
16	C32	Ç33		C35
17	\$0 <u>0</u>	1,450,	_250	250
18	C36	C37	C38	C39
19	450 C40	250	1250 1 1 C42	250 C43

COLUMN LAYOUT



				COLOWING	CHEDOLL											
	500	SIZE	250x500	300X750	250x500	250X600	250X900	250X600	250X450	250X450	250X600	300X450	555X250 + 200X790	300X500	250X500	
1ST. FL. TO ROOF	5:Fe	STEEL	6-20T + 6-16	8-20T + 8-16T	12-20T	12-20T	8-20T + 10-16T	14-20T	4-20T + 4-16T	8-20T	8-20T + 4-16T	6-20T + 4-16T	18-16T + 8-12T	12-20T	8-20T + 4-16	
	M2	LINKS	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	■ 3EC-1
	200	SIZE	250x500	300X750	250x500	250X600	250X900	250X600	250X450	250X450	250X600	300X450	555X250 + 200X790	300X500	250X500	AS PER LAYOUT
FND. TO 1ST. FL.	5:Fe	STEEL	12-20T	16-20T	12-20T	12-20T	12-20T+6-16T	14-20T	8-20T	8-20T	12-20T	10-20T	26-16T	12-20T	12-20T	24-20T + 100-12T
	M2	LINKS	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1	SEC-1
COLUMN	MARKIN	IG	C1,C4,C31, C36	C2	C3,C19,C38, C39	C5,C10,C22	C6	C7	C8,C18,C21, C24,C25,C27, C28,C29,C40, C44	C9,C11,C12, C13,C14,C20, C23,C32,C35, C37,C41,C42, C43	C15,C16	C17	C26	C30	C33,C34	LIFT





NAME OF OWNERS

VIDHAYAK BUILDERS PRIVATE LIMITED REP. BY IT'S DIRECTOR VIKASH AGARWAL

LOCATION - LENIN SARANI, DESHBANDHUPARA SILIGURI . W.B. WARD NO - 29 DISTRIC - DARJEELING PIN - 734004

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SIGNATURE OF ARCHITECT

TYPE OF DRAWING :- CORPORATION DRAWING

TITLE :- COLUMN LAYOUT & SCHEDULE TYPICAL STAIR DETAIL

PROJECT -

PROPOSED G+III STORIED RESIDENTIAL CUM COMMERCIAL BUILDING AT MOUZA, SILIGURI, J.L. NO. 88, SHEET NO. 6, P.S. SILIGURI, DIST. DARJEELING.

ARCHITECTS

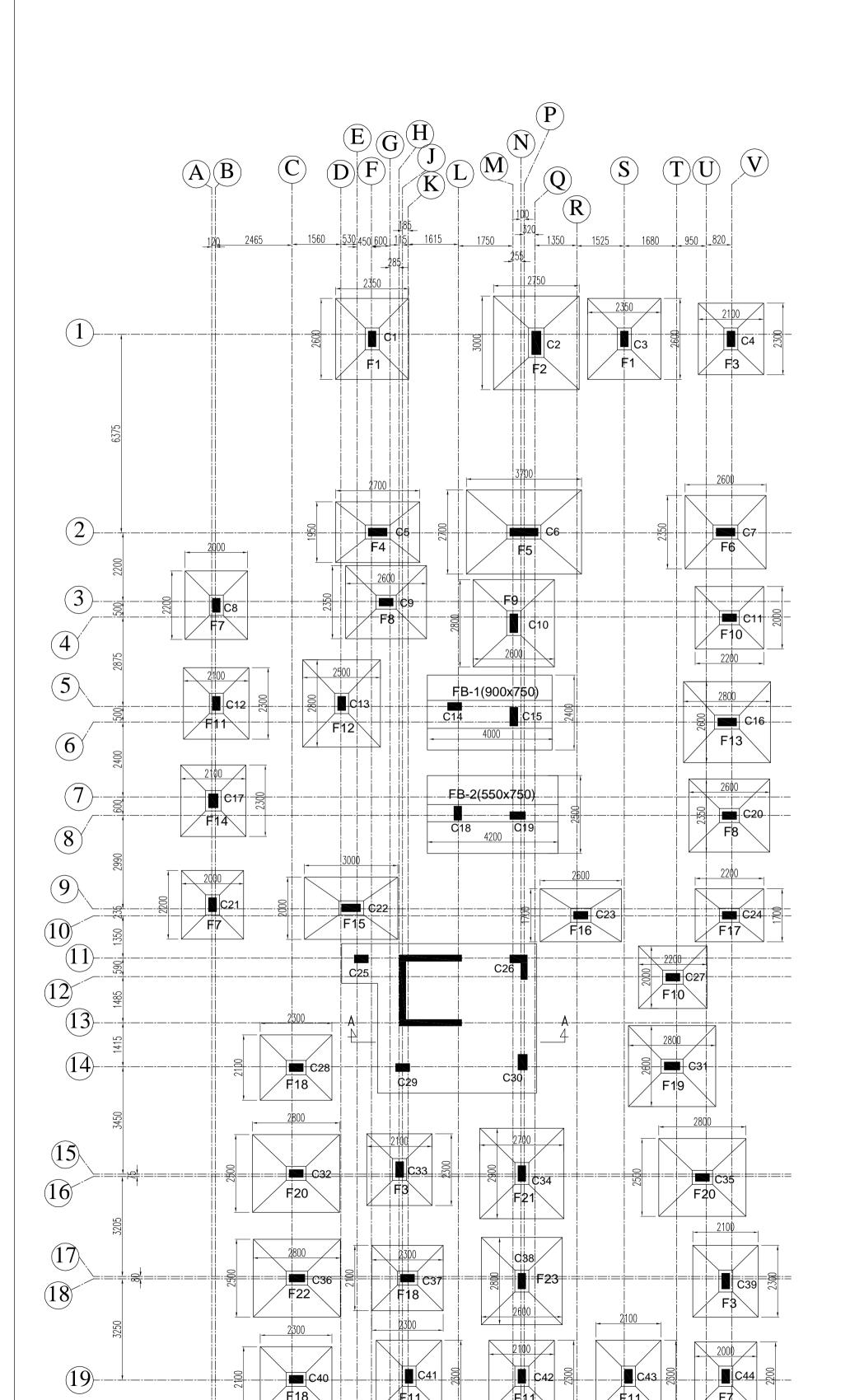
PRABHAT DESIGN STUDIO
P-28, 1ST FLOOR, SECTOR A, METROPOLITION
KOLKATA -700105

STRUCTURAL CONSULTANT :-

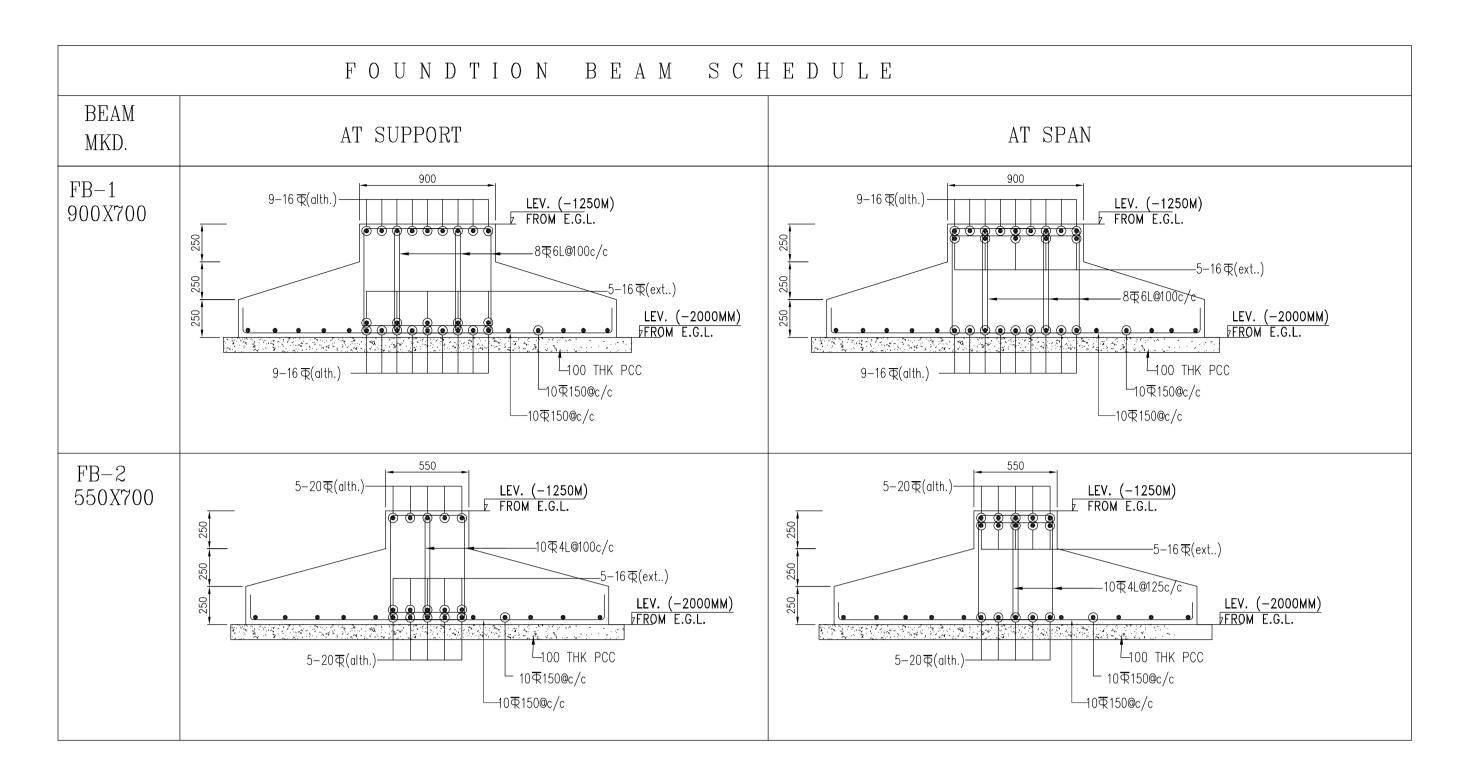
ADROIT CONSULTANT 10/3, PANCHANANTALA ROAD KOLKATA 700029

DRAWN BY:- R.H DRG. NO:-MS/ST-03

| APPROVED BY:- MM | SCALE:- 1:100,25 | DATE:- 07.03.24

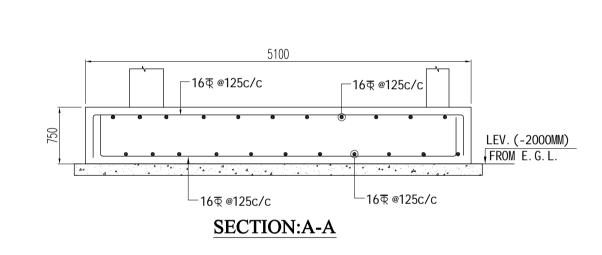


FOUNDATION LAYOUT LAYOUT



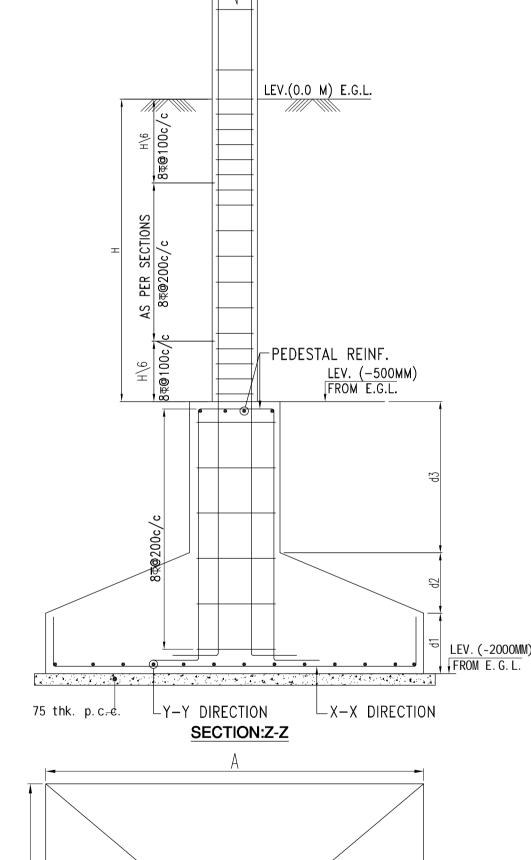
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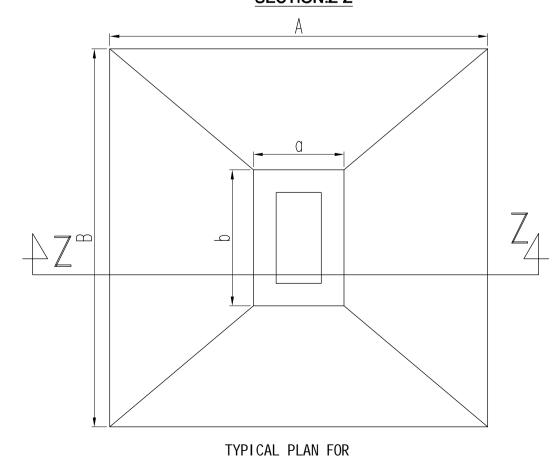
12束 @150c/c



	_	REINFO	RCEMEN	T SCHE	DULE C	F ISOL	_ATED F	FOOTING (C	GRADE OF CONC. M25)		
FOOTING MKD.	A	В	а	b	d1	d2	d3	REINFORCEMENT IN X-X DIRECTION	REINFORCEMENT IN Y-Y DIRECTION	PEDESTAL REINF.	
F1	2350	2600	450	700	300	300	900	12₹ @150c/c	12页 @150c/c	10束 @200c/	
F2	2750	3000	500	950	350	350	800	12₹ @125c/c	12页 @125c/c	10束 @200c/	
F3	2100	2300	450	700	250	250	1000	12束 @150c/c	12 ф @150c/c	10束 @200c/	
F4	2700	1950	800	450	300	300	900	12₹ @125c/c	12₹ @125c/c	10束 @200c/	
F5	3700	2700	1100	450	400	450	650	12束 @100c/c	12页 @100c/c	10束 @200c/	
F6	2600	2350	800	450	300	300	900	12₹ @150c/c	12₹ @150c/c	10束 @200c/	
F7	2000	2200	450	650	200	250	1050	12束 @175c/c	12束 @175c/c	10页 @200c/	
F8	2600	2350	650	450	300	300	900	12₹ @150c/c	12₹ @150c/c	10束 @200c/	
F9	2800	2600	450	800	350	350	800	12₹ @125c/c	12页 @125c/c	10页 @200c/	
F10	2200	2000	650	450	200	250	1050	12₹ @175c/c	12页 @175c/c	10束 @200c/	
F11	2100	2300	450	650	250	250	1000	12束 @150c/c	12页 @150c/c	10页 @200c/	
F12	2500	2800	450	650	350	350	800	12₹ @125c/c	12页 @125c/c	10束 @200c/	
F13	2800	2600	800	450	350	350	800	12页 @125c/c	12 ф @125c/c	10页 @200c/	
F14	2100	2300	500	650	250	250	1000	12₹ @150c/c	12₹ @150c/c	10束 @200c/	
F15	3000	2000	800	450	300	450	750	12束 @125c/c	12 ф @125c/c	10页 @200c/	
F16	2600	1700	650	450	300	300	900	12₹ @150c/c	12₹ @150c/c	10束 @200c/	
F17	2200	1700	650	450	200	250	1050	12束 @175c/c	12₹ @175c/c	10页 @200c/	
F18	2300	2100	650	450	250	250	1000	12₹ @150c/c	12₹ @150c/c	10束 @200c/	
F19	2800	2600	700	450	350	350	800	12束 @150c/c	12₹ @150c/c	10页 @200c/	
F20	2800	2500	650	450	350	350	800	12₹ @150c/c	12₹ @150c/c	10页 @200c/	
F21	2700	2900	450	700	350	350	800	12束 @150c/c	12₹ @150c/c	10页 @200c/	
F22	2800	2500	700	450	350	350	800	12₹ @150c/c	12₹ @150c/c	10页 @200c/	
			450	700		000		10= 150 /	10= 150 /	40000	

| 2600 | 2200 | 450 | 700 | 300 | 300 | 900 | 12页@150c/c





ISOLATED FOOTING



NAME OF OWNERS

VIDHAYAK BUILDERS PRIVATE LIMITED REP. BY IT'S DIRECTOR VIKASH AGARWAL

LOCATION - LENIN SARANI, DESHBANDHUPARA SILIGURI . W.B. WARD NO - 29 DISTRIC - DARJEELING PIN - 734004 SILIGURI MUNICIPAL CORPORATION

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SIGNATURE OF ARCHITECT

TYPE OF DRAWING :- CORPORATION DRAWING

TITLE :- FOUNDATION LAYOUT & SCHEDULE

PROJECT -

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ARCHITECTS



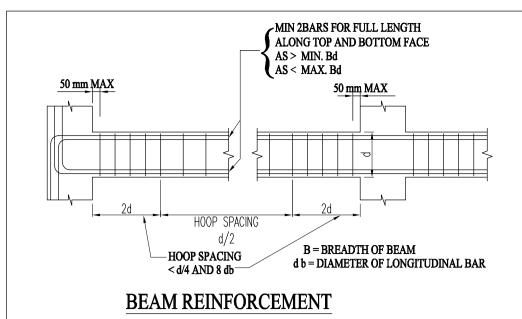
STRUCTURAL CONSULTANT :- ADROIT CONSULTANT

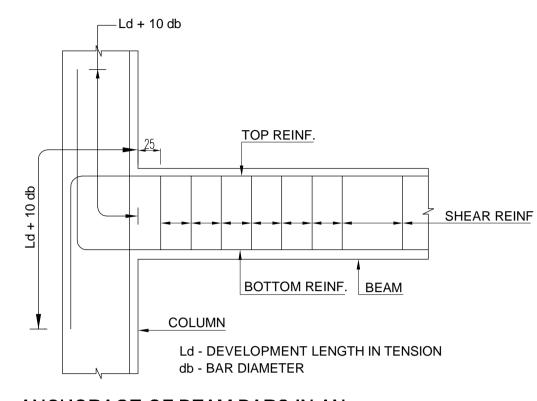
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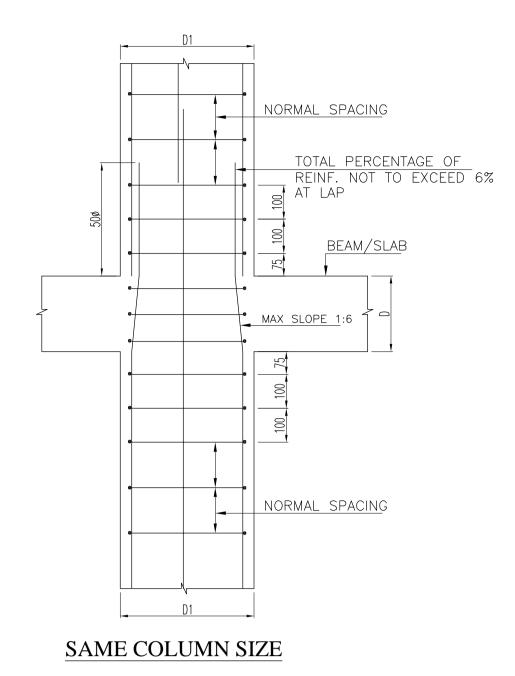
KOLKATA 700029

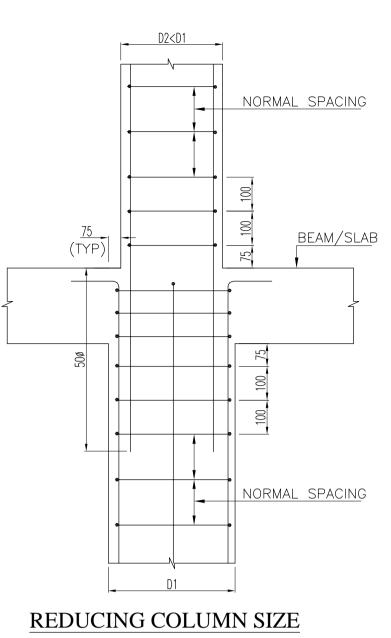
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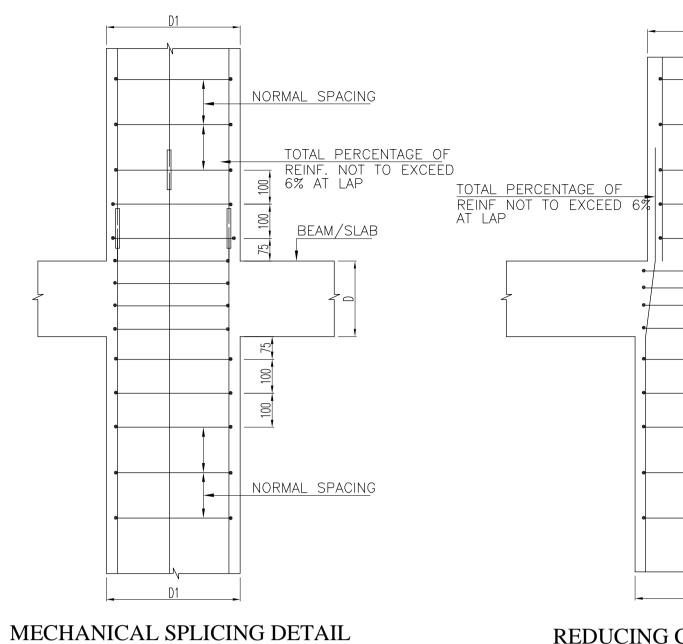
DRAWN BY:- R.H DRG. NO:-MS/ST-02



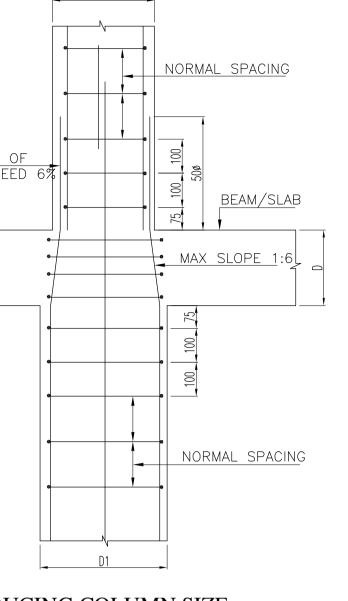








(FOR Y25 AND ABOVE)



REDUCING COLUMN SIZE TYPICAL COLUMN SPLICING DETAIL AT FLOOR LEVEL

ANCHORAGE OF BEAM BARS IN AN **EXTERNAL JOINT**

1. GENERAL

- 1.1 ALL DIMENSIONS ARE IN S.I UNITS.
- 1.2 WORK TO FIGURED DIMENSIONS AND DO NOT SCALE THE DRAWING 1.3 ALL STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH
- RELEVANT ARCHITECTURAL AND SERVICE DRAWINGS.
- 1.4 ANY DISCREPANCY IN THE DRAWING SHALL BE BROUGHT TO THE NOTICE OF CONSULTANTS BEFORE COMMENCING THE WORK.
- 1.5 THE _ 0.00 LEVEL OF THE PROJECT REFERS TO ARCHITECTURAL DRAWING.
- 1.6 CLAY BRICK AS ALL BRICK WALL

2. DESIGN CRITERIA

STANDARDS AND LOADS

- 2.1 THE CONCRETE DESIGN IS BASED ON IS: 456-2000. 2.2 LOADS ARE BASED ON IS: 875
- I) <u>DEAD LOAD</u>
- a) SELF WEIGHT: AS PER DRAWING.
- b) FLOOR FINISH: 125Kg/Sqm c) NO LANDSCAPE LOAD ON THE TERRACE
- d) EQUIPMENT LOADS: AS PER ARCHITECTURAL/SERVICES DRG.
- II) LIVE LOAD as per DBR
- 2.3 WIND LOADS ARE BASED ON IS:875 PART III AND ARE AS FOLLOWS:
- BASIC WIND SPEED 50 M/SEC

: IV

: 0.24

2.4 SEISMIC LOAD ZONE

ZONE FACTOR

IMPORTANCE FACTOR : 1

3. CONCRETE

3.1 GRADE OF CONCRETE

- a) FOUNDATION -M25
- b) COLUMN -M25
- c) BEAM & SLAB -M25
- d) STAIR -M25
- 3.2 MAXIMUM SIZE OF AGGREGATE SHALL PREFERABLY BE 20mm AND SHALL BE GRADED
- 3.3 PLAIN CEMENT CONCRETE SHALL HAVE CUBE STRENGTH OF 15 N/mm² AT 28 DAYS.
- 3.4 ALL CONCRETE SHALL BE OF DESIGN MIX AND ARE TO BE OBTAINED FROM REPUTED TESTING LABORATORIES AND APPROVED BY CONSULTANTS, THE MATERIALS THAT ARE PROPOSED TO BE USED IN THE PROJECT SHALL BE TESTED AND TEST CERTIFICATE FURNISHED BEFORE USE OF MATERIAL AT SITE.

4. REINFORCING STEEL

4.1 ALL REINFORCING STEEL SHALL CONFIRM TO IS:1786-2008 HAVING MIN. YIELD STRENGTH OF 500 N/mm² DENOTED AS --- 'φ'

5. SOIL DATA AND WATER TABLE

1) SOIL CAPACITY = AS PER SOIL REPORT

6. CONCRETE NOMINAL COVER FROM OUTMOST

REINFORCEMENT

6.1 CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 75MM.

FOUNDATION - 50MM TIE BEAM -50MM BEAM -COLUMNS >200- 40MM 20MM STAIR SLAB - 70MM

6.3 CONCRETE BLOCKS OF APPROVED MAKE SHALL BE USED IN CONCRETE.

7. EXCAVATION

- 7.1 100THK BLINDING SHALL BE
- PROVIDED UNDER RAFT, INDEPENDENT AND COMBINED FOOTINGS.
- 7.2 EXCAVATION SHALL BE DONE BEYOND THE FOOTING/BASEMENT
- AS INDICATED IN THE DRAWINGS. 7.3 LOOSE POCKETS OF ENCOUNTERED SHALL BE REMOVED AND
- FILLED WITH PLUMB CONCRETE.
- 7.4 A LEVELING COURSE OF CONCRETE SHALL BE LAID USING P.C.C 1:2:4 PRIOR TO FOUNDATION S REQUIRED.
- 7.5 FOUNDATION SHALL BE LAID BELOW TOP WEAK ZONE IN WEATHERED ROCK STRATA.

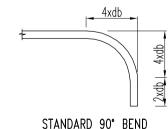
8. DEVELOPMENT AND ANCHORAGE LENGTHS

8.1 DEVELOPMENT LENGTH (Ld) FOR REINFORCEMENT STEEL BARS SHALL BE

i) M25 , Fe500-48.5D

(D IS DIA OF THE BAR)

(GENERALLY 50D FOLLOWED FOR SITE CONVENIENCE)



- 8.2 LAPS FOR REINFORCEMENT IN COMPRESSION SHALL BE ACCOUNTED ONLY AS STRAIGHT LENGTHS AND NO HOOKS OR BENDS ARE ACCOUNTED FOR COMPRESSION LAPS OR ANCHORAGES.
- 8.3 STANDARD HOOKS OR BENDS SHALL BE PROVIDED WHERE NECESSARY IN
- TENSION REINFORCEMENTS IN BEAMS, COLUMNS, SLABS, ETC. 8.4 ALL SPLICE (LAPS) FOR COLUMN REINFORCEMENTS SHALL BE PROVIDED ONLY AT
- AND SHALL NOT BE MORE THAN 6% STEEL 8.5 MECHANICAL ANCHORAGES OF APPROVED MANUFACTURERS SHALL BE USED FOR COLUMN SPLICES FOR 25mm DIA AND ABOVE AND ARE TO BE AS PER DESIGN DRAWINGS AND SHALL HAVE YEILD STRENGTH OF 125% MORE THAN GRADE OF

THE TOP OF EACH FLOOR LEVEL UNLESS OTHERWISE SHOWN ON DRAWINGS.

MAIN STEEL. 8.6 LAPS SHALL BE STAGGERED AS INDICATED IN DRAWINGS.

9. WATER PROOFING

9.1 WATER PROOFING SHALL BE DONE FOR: SUMP TANKS, OVERHEAD TANK, BASEMENT WALLS, TOILET SLABS, TERRACE, AS PER SPECIFICATIONS.

10. CURING

10.1 CURING COMPOUNDS SHALL BE USED FOR ALL VERTICAL ELEMENTS PROVIDED IT IS PIGMENTED.

SPLICING AT THE FLOOR LEVEL WHEN THE

RELATIVE DISPLACEMENT OF COLUMN FACES

10.2 CURING BY WATER SHALL BE DONE FOR THE OTHER ELEMENTS FOR A MINIMUM PERIOD OF 7 DAYS

IS MORE THAN 75 MM.

11. DESHUTTERING TIME

11.1 TYPE OF FORM WORK FOR MINIMUM PERIOD BEFORE STRIKING (EXCLUDING THE

DAY OF CASTING)

a. SLABS UPTO 4.5M 7 DAYS OVER 4.5M : 14 DAYS b. BEAMS UPTO 6.0M 14 DAYS OVER 6.0M: 21 DAYS

c. WALL/BEAM/COLUMN VERTICAL FACES : 1 DAY

- 11.2 SHUTTERING CAN BE RELEASED EARLIER THAN SPECIFIED ABOVE PROVIDED THE PROPS ARE RETAINED AT REASONABLE SPACINGS AND CONCRETE ATTAINS THE FULL STRENGTH AT THE TIME OF DESHUTTERING AS PER IS 456 - 1978. ESHUTTERING SHALL BE DONE BY PROVIDING DAMPENING MATERIAL BELOW IN ORDER TO REDUCE THE IMPACT AT THE LOWER LEVEL.
- 11.3 SIMPLY SUPPORTED AND CONTINUOUS SPANS SHALL BE DESHUTTERED FROM MID SPAN TOWARDS SUPPORTS.
- CANTILEVERS SHALL BE DESHUTTERED FROM FREE END TOWARDS SUPPORTS
- 11.4 SLAB/BEAMS SHALL BE REPROPPED UNTIL THE NEXT LEVEL SLAB IS CAST AND DESHUTTERED.

12. CONSTRUCTION JOINTS

12.1 SLABS : AT MIDDLE ONE THIRD OF THE SPAN. 12.2 BEAMS : AT MIDDLE ONE THIRD OF THE SPAN. IF ANY CROSS BEAMS ARE LOCATED IN THIS REGION THE JOINT SHALL BE LOCATED TWO TIMES THE WIDTH OF THE BEAM AWAY FROM THE BEAM.

12.3 RETAINING WALL : AT THE JUNCTION OF THE WALL AND FOOTING WITH A KEY JOINT AND AT MIDDLE OF VERTICAL SPAN, VERTICAL JOINTS TO BE AVOIDED.

12.4 RAFT SLAB : AT MIDDLE ONE THIRD OF THE SPAN.

12.5 CONSTRUCTION JOINTS SHALL BE STRAIGHT

12.6 CANTILEVERS : CONSTRUCTION JOINT SHALL NOT BE PROVIDED IN CANTILEVERS.

13. ADMIXTURE

- 13.1 CONCRETE ADMIXTURES OF APPROVED MAKE SHALL BE USED TO IMPROVE WORKABILITY AND STRENGTH AS PER TENDER SPECIFICATIONS.
- 13.2 CONCRETE ADMIXTURES OF APPROVED MAKE SHALL BE USED FOR WATER PROOFING AS PER TENDER SPECIFICATIONS.

14. CONSULTANTS APPROVAL

14.1 CONSULTANTS SHALL APPROVE THE CONCRETING SURFACE AFTER INSPECTION AND REMEDIAL MEASURES IF ANY TO BE DONE BEFORE ANY PLASTERING WORK IS TAKEN UP ON CONCRETE SURFACE. HOWEVER THIS DOES NOT DEVOLVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR GETTING THE REQUIRED STRENGTH OF CONCRETE.

15. CAMBER FOR CANTILEVERS

FOR UP TO 1.5M CANTILEVERS --- 10MM FROM 1.5M TO 2.5M CANTILEVERS -- 15MM

NAME OF OWNERS

VIDHAYAK BUILDERS PRIVATE LIMITED REP. BY IT'S DIRECTOR VIKASH AGARWAL

LOCATION - LENIN SARANI, DESHBANDHUPARA SILIGURI . W.B. WARD NO - 29 DISTRIC - DARJEELING PIN - 734004 SILIGURI MUNICIPAL CORPORATION

DIRECTOR

CERTIFICATE OF OWNERS :-

CERTIFIED THAT I HAVE GONE THROUGH THE BUILDING RULES FOR SILIGURI MUNICIPAL CORPORATION AND ALSO UNDER TAKE TO ABIDE BY THOSE RULES DURING AND AFTER CONSTRUCTION OF THE BUILDING.

SIGNATURE OF OWNERS

CERTIFICATE OF STRUCTURAL ENGINEER

THE STRUCTURAL DESING AND DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT

SIGNATURE OF STRUCTURAL ENGINEER

CERTIFICATE OF ARCHITECT

I DO HEREBY CERTIFY THAT PLANS ,ELEVATIONS AND SECTIONS AND OTHER STRUCTURAL DETAILS OF THE PROPOSED BUILDING ON PLOT NO. R.S. - 6051, 6052, L.R. - 546, 547 KHATIAN NO. R.S - 3522 L.R.- 14118 . J.L. NO. 88. MOUZA OLD - SILIGURI , NEW MOUZA -SILIGURI MADHAYA . SHEET NO -6 P.S.- SILIGURI & DIST - DARJEELING, WEST BENGAL (UNDER SILIGURI MUNICIPAL CORPORATION) HAVE BEEN PREPARED UNDER MY SUPERVISION AND I SHALL BE RESPONSIBLE FOR THE SUPERVISION OF THE BUILDING IN CONFORMITY WITH ALL RELEVANT PROVISIONS OF SMC.

SIGNATURE OF ARCHITECT

TYPE OF DRAWING :- CORPORATION DRAWING

TITLE :- GENERAL NOTES

PROJECT ·

PROPOSED G+III STORIED RESIDENTIAL CUM COMMERCIAL BUILDING AT MOUZA, SILIGURI, J.L. NO. 88, SHEET NO. 6, P.S. SILIGURI, DIST. DARJEELING.

ARCHITECTS

PRABHAT DESIGN STUDIO P-28, 1ST FLOOR, SECTOR A, METROPOLITION

STRUCTURAL CONSULTANT :

KOLKATA -700105

ADROIT CONSULTANT 10/3, PANCHANANTALA ROAD **KOLKATA 700029**

DRG. NO:-MS/ST-01 DRAWN BY:- SS

APPROVED BY:- MM | SCALE:- N.T.S DATE:- 07.03.24