

SCHEDULE OF PLINTH BEAMS													
BEAM GROUP	BEAM NO.	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR
		B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
PB-22	B49	300	600	4-Ø16	4-Ø16	4-Ø16 + 2-Ø12	3-Ø25	3-Ø25	3-Ø25 + 2-Ø25	Ø10@150 C/C	Ø10@100 C/C	Ø10@100 C/C	1-Ø12EF
PB-23	B50	300	600	3-Ø20	3-Ø20	3-Ø20	3-Ø20	3-Ø20	3-Ø20	Ø8@150 C/C	Ø8@150 C/C	Ø8@150 C/C	1-Ø12EF
	B51	300	600	3-Ø20	3-Ø20	3-Ø20	3-Ø20	3-Ø20 + 2-Ø20	3-Ø20 + 3-Ø20	Ø8@150 C/C	Ø8@150 C/C	Ø8@50 C/C	1-Ø12EF
	B52	300	600	3-Ø20	3-Ø20	3-Ø20 + 2-Ø20	3-Ø20 + 3-Ø20	3-Ø20	3-Ø20	Ø8@100 C/C	Ø8@100 C/C	Ø8@150 C/C	1-Ø12EF
	B53	300	600	3-Ø20 + 2-Ø20	3-Ø20 + 3-Ø20	3-Ø20	3-Ø20	3-Ø20	3-Ø20	Ø8@150 C/C	Ø8@150 C/C	Ø8@150 C/C	1-Ø12EF
PB-24	B54	300	600	4-Ø16 + 2-Ø16	4-Ø16 + 2-Ø16	4-Ø16 + 4-Ø16	3-Ø25 + 2-Ø20	3-Ø25	3-Ø25 + 3-Ø20	Ø10@100 C/C	Ø10@100 C/C	Ø10@75 C/C	1-Ø12EF
	B55	300	600	4-Ø16 + 4-Ø16	4-Ø16	4-Ø16 + 4-Ø16	3-Ø25 + 3-Ø20	3-Ø25	3-Ø25 + 2-Ø20	Ø10@100 C/C	Ø10@150 C/C	Ø10@150 C/C	1-Ø12EF
PB-25	B56	300	600	3-Ø20 + 2-Ø20	3-Ø20 + 3-Ø20	3-Ø20 + 2-Ø20	3-Ø25	3-Ø25	3-Ø25 + 3-Ø25	Ø8@150 C/C	Ø8@150 C/C	Ø8@100 C/C	1-Ø12EF
PB-26	B57	300	600	3-Ø20 + 2-Ø20	3-Ø20	3-Ø20	3-Ø25 + 3-Ø25	3-Ø25	3-Ø25 + 2-Ø25	Ø10@100 C/C	Ø10@150 C/C	Ø10@75 C/C	1-Ø12EF
PB-27	B58	300	600	3-Ø20	3-Ø20 + 3-Ø20	3-Ø20 + 2-Ø20	3-Ø25 + 3-Ø20	3-Ø25	3-Ø25	Ø8@100 C/C	Ø8@150 C/C	Ø8@125 C/C	1-Ø12EF
PB-28	B59	300	600	4-Ø16	4-Ø16	4-Ø16	4-Ø16 + 4-Ø16	4-Ø16 + 2-Ø16	4-Ø16	4L-Ø8@75 C/C	4L-Ø8@75 C/C	4L-Ø8@75 C/C	1-Ø12EF
	B60	300	600	4-Ø16	4-Ø16 + 2-Ø12	4-Ø16	4-Ø16	4-Ø16	4-Ø16	Ø8@150 C/C	Ø8@150 C/C	Ø8@150 C/C	1-Ø12EF
	B61	300	600	4-Ø16	4-Ø16	4-Ø16	4-Ø16	4-Ø16	4-Ø16	Ø8@150 C/C	Ø8@150 C/C	Ø8@150 C/C	1-Ø12EF
PB-29	B62	250	600	3-Ø20	3-Ø20	3-Ø20	3-Ø20 + 2-Ø16	3-Ø20 + 2-Ø16	3-Ø20	Ø8@100 C/C	Ø8@100 C/C	Ø8@100 C/C	1-Ø12EF
PB-30	B63	300	600	4-Ø16	4-Ø16 + 4-Ø16	4-Ø16	3-Ø20 + 3-Ø20	3-Ø20 + 2-Ø20	3-Ø20 + 2-Ø20	Ø8@100 C/C	Ø8@150 C/C	Ø8@125 C/C	1-Ø12EF
PB-31	B64	300	600	3-Ø20	3-Ø20 + 3-Ø20	3-Ø20 + 2-Ø20	3-Ø25	3-Ø25	3-Ø25 + 3-Ø25	Ø8@150 C/C	Ø8@125 C/C	Ø8@75 C/C	1-Ø12EF
	B65	300	600	3-Ø20 + 2-Ø20	3-Ø20	3-Ø20	3-Ø25 + 3-Ø25	3-Ø25	3-Ø25 + 2-Ø25	Ø10@75 C/C	Ø10@150 C/C	Ø10@100 C/C	1-Ø12EF
PB-32	B66	300	600	4-Ø16	4-Ø16	4-Ø16	3-Ø12	3-Ø12	3-Ø12	Ø8@150 C/C	Ø8@150 C/C	Ø8@150 C/C	1-Ø12EF
PB-33	B67	300	600	4-Ø16 + 4-Ø12	4-Ø16	4-Ø16 + 4-Ø12	3-Ø20 + 3-Ø20	3-Ø20	3-Ø20 + 3-Ø20	Ø8@75 C/C	Ø8@125 C/C	Ø8@75 C/C	1-Ø12EF
PB-34	B68	300	600	3-Ø25	3-Ø25	3-Ø25	3-Ø25 + 2-Ø25	3-Ø25	3-Ø25 + 2-Ø25	Ø10@100 C/C	Ø10@150 C/C	Ø10@100 C/C	1-Ø12EF
	B69	300	600	3-Ø25	3-Ø25	3-Ø25 + 2-Ø20	3-Ø25 + 2-Ø25	3-Ø25	3-Ø25 + 3-Ø25	Ø12@100 C/C	Ø12@150 C/C	Ø12@100 C/C	1-Ø12EF
	B70	300	600	3-Ø25 + 2-Ø20	3-Ø25 + 3-Ø20	3-Ø25	3-Ø25 + 3-Ø25	3-Ø25	3-Ø25	Ø8@100 C/C	Ø8@150 C/C	Ø8@100 C/C	1-Ø12EF
PB-35	B71	300	600	4-Ø16	4-Ø16 + 4-Ø12	4-Ø16	4-Ø16	4-Ø16	4-Ø16	Ø8@150 C/C	Ø8@150 C/C	Ø8@150 C/C	1-Ø12EF
	B72	300	600	4-Ø16	4-Ø16	4-Ø16	4-Ø16	4-Ø16	4-Ø16 + 2-Ø12	Ø8@150 C/C	Ø8@150 C/C	Ø8@150 C/C	1-Ø12EF
	B73	300	600	4-Ø16	4-Ø16	4-Ø16	4-Ø16 + 2-Ø12	4-Ø16	4-Ø16 + 2-Ø12	Ø8@125 C/C	Ø8@150 C/C	Ø8@150 C/C	1-Ø12EF
	B74	300	600	4-Ø16	4-Ø16	4-Ø16	4-Ø16 + 2-Ø12	4-Ø16	4-Ø16	Ø8@100 C/C	Ø8@100 C/C	Ø8@125 C/C	1-Ø12EF
	B75	300	600	4-Ø16	4-Ø16 + 2-Ø12	4-Ø16	4-Ø16	4-Ø16	4-Ø16	Ø8@150 C/C	Ø8@150 C/C	Ø8@150 C/C	1-Ø12EF
PB-36	B76	300	600	3-Ø25 + 3-Ø16	3-Ø25	3-Ø25 + 2-Ø16	3-Ø25 + 2-Ø25	3-Ø25	3-Ø25 + 2-Ø25	Ø8@100 C/C	Ø8@100 C/C	Ø8@100 C/C	1-Ø12EF
	B77	300	600	3-Ø25 + 2-Ø16	3-Ø25	3-Ø25	3-Ø25 + 2-Ø25	3-Ø25	3-Ø25 + 2-Ø25	Ø12@100 C/C	Ø12@150 C/C	Ø12@100 C/C	1-Ø12EF
PB-37	B78	300	600	3-Ø25	3-Ø25	3-Ø25 + 2-Ø20	3-Ø25	3-Ø25	3-Ø25 + 3-Ø25	Ø12@100 C/C	Ø12@150 C/C	Ø12@100 C/C	1-Ø12EF
	B79	300	600	3-Ø25 + 2-Ø20	3-Ø25 + 2-Ø20	3-Ø25	3-Ø25 + 3-Ø25	3-Ø25	3-Ø25 + 3-Ø25	Ø12@100 C/C	Ø12@100 C/C	Ø12@100 C/C	1-Ø12EF
PB-38	B80	300	600	3-Ø20 + 3-Ø20	3-Ø20	3-Ø20 + 3-Ø20	3-Ø25 + 3-Ø16	3-Ø25	3-Ø25 + 3-Ø16	Ø12@100 C/C	Ø12@150 C/C	Ø12@100 C/C	1-Ø12EF
	B81	300	600	3-Ø20 + 3-Ø20	3-Ø20	3-Ø20	3-Ø25 + 3-Ø16	3-Ø25	3-Ø25	Ø8@75 C/C	Ø8@150 C/C	Ø8@75 C/C	1-Ø12EF
PB-39	B82	300	600	4-Ø16	4-Ø16	4-Ø16 + 4-Ø16	3-Ø25	3-Ø25	3-Ø25 + 3-Ø16	Ø10@100 C/C	Ø10@150 C/C	Ø10@100 C/C	1-Ø12EF
	B83	300	600	4-Ø16 + 4-Ø16	4-Ø16	4-Ø16 + 2-Ø12	3-Ø25 + 3-Ø16	3-Ø25	3-Ø25 + 2-Ø16	Ø8@75 C/C	Ø8@100 C/C	Ø8@75 C/C	1-Ø12EF

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.

1. DEPTH OF FOUNDATION HAS BEEN CONSIDERED 2.7M IN DESIGN FOR A BEARING CAPACITY OF 240 KN/SQM AS PER SOIL REPORT SUBMITTED BY ACHARYA ASSOCIATES.
2. ALL DIMENSION AND ELEVATIONS ARE IN M.M. UNLESS NOTED OTHERWISE
3. USE M-25 GRADE FOR CONCRETE WORK.
4. REINFORCEMENT STEEL WILL BE OF GRADE Fe-500
5. USE COLD TWISTED DEFORMED REINFORCING BAR CONFORMING TO IS: 1786.
6. 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 |
7. 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.
8. ALL DIMENSIONS AND DETAILS ARE TYPICAL UNLESS INDICATED OTHERWISE.
9. THIS DRAWING WILL BE READ IN CONJUNCTION WITH CONTRACT DOCUMENT.
10. DESIGN IS BASED ON IS:456-2000,IS:1893(PART1)-2016, IS:875(PARTI&II)-1987

PROJECT TITLE:-

BASEMENT+G+5 STORIED RESIDENTIAL CUM COMMERCIAL BUILDING OF SAMRIDDHI VENTURES REPRESENTED BY SMT. ANKITA GOYAL

DRAWING TITLE:-GROUND BEAM DETAILS EXCLUDING DETAILS PROVIDED IN STR/02A

DECLARATION

We do hereby certify that the foundation and superstructure of the building proposed for construction on Plot no: 10575 (R.S.), 3148, 3149(L.R.) At Rashbehari Sarani, Hakimpara, Siliguri P.S.- Siliguri, Dist.- Darjeeling 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 CO.

ADDRESS: 10, HAREN MUKHERJEE ROAD, KALIGHAT, COCHIN-682016
CONTACT NUMBER: +91 7908820000

THIS STRUCTURAL DRAWING IS PREPARED BY ME AND I AM NOT PROVIDING ANY PART OF THE DRAWING WITHOUT THE CONSENT OF THE FIRM.

DESIGNED BY: S. BASAK
DEALT BY : N. RAI
CHECKED BY : R. CHAKRABORTY



SCALE 1:100 | SHEET NO. STR/02B | DATE: 15/01/2025