



FLOOR BEAM & SLAB LAYOUT FROM 2ND FLOOR TO 8TH FLOOR (SCALE - 1:100)

(SLAB THICKNESS = 120mm) (UNLESS NOTED)

DISTRIBUTION - Y8@275/C

LEGEND OF BEAM REINFORCEMENT (2ND TO 8TH).

BEAM MARK.	BEAM SIZE		BEAM TYPE	TOP REINFORCEMENT				BOTTOM R/F		STRPS			
	B	D		T1	T2	LEFT SIDE T3 T4	RIGHT SIDE T3 T4	B1	B2	DIA	MARK		
B1	200	300	1	2-12	-	-	-	-	2-16	-	8-2L	D	
B2	200	400	1	2-12	-	-	-	-	2-16	-	8-2L	C	
B3	150	450	1	2-12	-	-	-	-	2-16	-	8-2L	D	
B4	250	450	1	2-12	-	-	-	-	2-16	-	8-2L	A	
B5	200	450	1	2-16	-	-	-	-	2-16	-	8-2L	D	
B6	250	450	2	2-16	-	1-16	-	2-16	2-16	1-20	8-2L	A	
B7	250	500	6	2-16	-	2-16	1-16	2-16	1-16	3-16	8-2L	A	
B7A	250	500	8	2-16	-	2-16	1-16	2-16	2-20	2-16	1-16	8-2L	A
B8	350	600	3	2-16	-	2-20	3-20	2-20	3-20	4-16	-	8-2L	D
B9	350	600	4	2-16	-	2-20	3-20	-	4-16	-	8-2L	D	
B10	250	500	5	2-16	-	2-16	1-16	-	2-16	-	8-2L	A	
B11	250	500	9	2-16	-	1-20	-	-	2-16	1-16	8-2L	A	
B12	350	500	8	2-20	-	3-20	2-20	3-20	4-16	3-16	8-2L	B	
B13	250	500	1	2-16	-	-	-	-	2-16	-	8-2L	A	
B14	250	500	6	2-16	-	2-20	1-16	2-20	1-16	1-16	8-2L	A	
B14A	250	500	8	2-16	-	2-20	1-20	2-20	1-16	1-16	8-2L	B	
B15	250	500	9	2-16	-	1-20	-	-	2-16	-	8-2L	A	
B16	300	600	7	2-20	-	3-20	2-20	3-20	4-16	-	8-2L	B	
B17	300	600	6	2-20	-	2-20	2-16	3-20	2-20	4-16	-	8-2L	B
B18	250	500	7	2-16	-	2-20	1-20	-	2-16	1-16	8-2L	B	
B19	250	500	4	2-16	-	2-20	1-20	-	2-16	-	8-2L	D	
B19A	300	500	4	2-20	-	-	3-20	-	2-16	-	8-2L	D	
B20	250	500	7	2-16	-	2-20	1-20	-	3-16	-	8-2L	A	
B21	250	500	8	2-16	-	2-20	1-20	2-20	1-20	2-16	-	8-2L	D
B22	250	500	3	2-16	-	3-20	1-16	2-20	1-20	3-16	-	8-2L	A
B23	250	450	4	2-16	-	2-20	1-20	-	2-16	-	8-2L	D	
B24	200	450	1	2-12	-	-	-	-	2-16	1-16	8-2L	A	
B25	250	500	6	2-16	-	3-20	1-20	3-20	1-20	3-16	-	8-2L	B
B26	250	500	8	2-16	-	2-20	1-20	2-20	1-20	2-16	1-16	8-2L	B
B27	250	500	4	2-16	-	2-20	1-16	-	2-16	-	8-2L	D	
B28	250	500	7	2-16	-	2-16	1-16	-	2-16	-	8-2L	B	
B29	250	450	4	2-16	-	2-16	1-16	-	2-16	-	8-2L	D	
B30	250	500	5	2-16	-	3-16	1-20	-	2-16	1-16	8-2L	A	
B31	250	500	6	2-20	-	3-20	1-20	3-20	1-20	2-20	8-2L	B	
B32	250	500	10	2-20	-	2-20	1-20	3-20	1-20	2-16	2-20	8-2L	A
B33	250	500	5	2-16	-	3-20	1-16	-	3-16	1-20	8-2L	B	
B34	300	600	8	2-16	-	2-20	2-20	2-20	4-20	1-20	8-2L	D	
B35	200	450	7	2-16	-	2-16	-	-	2-16	-	8-2L	C	
B36	250	500	5	2-16	-	3-20	1-25	-	3-16	-	8-2L	B	
B37	350	600	6	2-16	-	3-20	3-20	3-20	3-16	2-16	8-2L	B	
B38	250	500	5	2-16	-	3-20	1-20	-	5-16	-	8-2L	D	
B39	250	500	6	2-16	-	2-20	1-20	2-20	1-20	2-16	1-20	8-2L	B
B40	250	500	6	2-16	-	3-20	1-20	3-20	1-20	3-16	2-16	8-2L	B
B41	300	500	8	2-16	-	3-20	1-25	3-20	1-25	3-16	2-16	8-2L	B
B42	250	500	4	2-20	-	3-20	1-20	-	4-16	-	8-2L	D	
B43	250	500	8	2-20	-	2-25	2-20	3-20	1-20	2-20	8-2L	B	
B44	250	500	8	2-16	-	3-16	1-16	3-16	1-16	3-16	2-16	8-2L	A
B45	250	500	11	2-16	-	1-16	-	-	1-16	2-16	-	8-2L	A
B46	200	450	8	3-20	-	-	-	-	2-16	-	8-2L	E	
B47	250	500	4	3-16	-	-	3-20	-	3-16	-	8-2L	D	
B48	250	500	6	2-20	-	3-20	1-20	2-20	2-25	2-20	1-16	8-2L	A
B49	250	450	4	2-20	-	1-20	-	-	2-20	-	8-2L	D	
B50	250	500	10	2-16	-	3-20	1-16	3-20	1-16	3-16	-	8-2L	A
B51	250	500	1	2-12	-	-	-	-	2-16	1-16	8-2L	A	
B52	350	600	7	2-20	-	4-20	3-20	3-20	5-20	-	8-2L	A	
B53	350	600	4	2-20	-	-	3-20	-	2-20	-	8-2L	D	
B54	300	600	6	2-16	-	2-20	2-20	2-20	4-20	1-20	8-2L	D	
B55	200	400	10	2-16	-	-	-	-	2-16	-	8-2L	D	
LB1	250	500	10	2-16	-	3-16	1-16	3-16	1-16	2-16	8-2L	A	

SLAB MARKING AND SLAB REINFORCEMENT SCHEDULE

SLAB MARK.	PANEL TYPE	TOP REINFORCEMENT					
		A	B	C	D	E	F
S1	1	Y8@175/C	Y8@175/C	Y8@125/C	Y8@125/C	Y8@225/C	Y8@125/C
S2	1	Y8@175/C	Y8@175/C	Y8@175/C	Y8@175/C	Y8@225/C	Y8@225/C
S3	1	Y8@200/C	Y8@200/C	Y8@200/C	Y8@200/C	Y8@225/C	Y8@225/C
S4	4	Y8@200/C	Y8@200/C	Y8@200/C	Y8@200/C	Y8@225/C	Y8@225/C
S5	2	Y8@200/C	Y8@200/C	Y8@200/C	Y8@200/C	Y8@225/C	Y8@225/C
S6	4	Y8@200/C	Y8@200/C	Y8@200/C	Y8@200/C	Y8@225/C	Y8@225/C
S7	1	Y8@200/C	Y8@200/C	Y8@200/C	Y8@200/C	Y8@225/C	Y8@225/C
S8	3	Y8@200/C	Y8@200/C	Y8@200/C	Y8@200/C	Y8@225/C	Y8@225/C
S9	6	Y8@200/C	Y8@200/C	Y8@200/C	Y8@200/C	Y8@225/C	Y8@225/C
S10	5	Y8@200/C	Y8@200/C	Y8@200/C	Y8@200/C	Y8@225/C	Y8@225/C
S11	3	Y8@200/C	Y8@200/C	Y8@200/C	Y8@200/C	Y8@225/C	Y8@225/C
S12	9	Y8@200/C	Y8@200/C	Y8@200/C	Y8@200/C	Y8@225/C	Y8@225/C
S13	4	Y8@200/C	Y8@200/C	Y8@200/C	Y8@200/C	Y8@225/C	Y8@225/C
S14	7	Y8@200/C	Y8@200/C	Y8@200/C	Y8@200/C	Y8@225/C	Y8@225/C
S16	8	Y8@200/C	Y8@200/C	Y8@200/C	Y8@200/C	Y8@225/C	Y8@225/C

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE MENTIONED.
 2. ANY AMBIGUITY IN THE DRAWINGS SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE ENGINEER BEFORE COMMENCING.
 3. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 200 MM THK. AAC BLOCK OF WEIGHT < 10 KN/CUM FOR EXTERNAL WALL. 125 MM THK THK. AAC BLOCK OF WEIGHT < 10 KN/CUM FOR INTERNAL WALL.
 4. THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
 5. ALL GRADE OF CONCRETE M25 (APPROVED DESIGN MIX)
 6. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S. CODES.
 7. FOR STEEL GRADE Fe 500 AS PER IS 1786-2008. AND REFER FOR GENERAL DETAIL OF REINFORCEMENT & CONCRETE - PERMIT DRAWING No.-PER/DRE-RES./STR/01
 8. ALL DISTRIBUTION BARS ARE Y-8 @ 250 C/C TO BE PROVIDED FOR 120 MM SLAB
 9. ALL CHAIRS ARE Y-10 AND TO BE PROVIDED WHEREVER REQUIRED.
 10. ALL SPACER BARS ARE Y-25 @ 300 C/C AND TO BE PROVIDED
 11. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS SMALLER DIR OF BAR.
 12. FLOORING : 40MM THICK I.P.S. FLOORING.
 13. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:
 MEMBER TOP BOTTOM SIDE
 a. FOUNDATION BEAM & SLAB 50 50 50
 b. COLUMN 40 40 40
 c. FLOOR BEAM 30 30 30
 d. TIE BEAM 30 30 30
 e. FLOOR SLAB 20 20 20
 14. ROOF SLAB THICKNESS 120 MM UNLESS NOTED
 15. FOUNDATION AND COLUMN HAS BEEN DESIGNED FOR BASEMENT + GROUND + EIGHT STOREYED BUILDING
 16. NET ALLOWABLE BEARING CAPACITY OF SOIL AS PER SOIL REPORT AND N.T. REPORT FOR GROUND IMPROVEMENT USING SAND BED OF 2.5 M DEPTH AND 1m EQUAL PROJECTION FROM ALL SIDE OF RAFT. CONSIDERED FOR DESIGN CALCULATION = 131.00 T/SM.
 17. DEPTH OF EXCAVATION BELOW EXISTING G.L SHALL BE TO A STRATUM OF ADEQUATE SAFE BEARING CAPACITY, OR (4.55+2.5) m WHICHEVER IS MORE."

PROJECT:
 PROPOSED PLAN FOR B+G+8 RESIDENTIAL BUILDING FOR BIMAN MONDAL OVER LAYOUT PLOT NO.: 38 KHATAN NO.-188,1711; OF MOUZA:- (SANKARPUR); J.L.NO.-109(L.R.); P.S: N.T.S.P.S. DIST - PASCHIM BARDHAMAN.

TITLE
 2ND TO 8TH FLOOR BEAM & SLAB LAYOUT REINFORCEMENT DETAILS

DEVELOPERS
 DURGAPUR REAL ESTATE PVT. LTD.

LAND OWNER
 BIMAN MONDAL

ARCHITECT'S SIGNATURE
 ANIRBAN BHATTACHARYA (LICENSE NO - DMC/BPD/25) CA/2014/62790

ENGINEER'S SIGNATURE
 ALOK ROY (EMpanelled Geotechnical Engineer Kollata Municipal Corporation Class-4, No.- G.7/1/11 6A, Milan Park, Kollata-700 084) Valid upto 29.09.2023

STRUCTURAL
 CERTIFIED THAT THE FOUNDATIONS, SUPERSTRUCTURE AND ALL MEMBERS OF THE FRAMEWORK HAS BEEN SO DESIGNED BY ME AS TO BE SAFE AND SOUND IN ALL RESPECTS, INCLUDING CONSIDERATION FOR BEARING CAPACITY AND SETTLEMENT OF SOIL.

SIGNATURE OF STRUCTURAL ENGINEER
 B.E.(CIVIL), M.I.E. CHARTERED ENGINEER (INDIA) Licence No.-DMC/BPD/144 DURGAPUR - 713216.

DATE - 09.07.2021 REV -2 DRAWN BY- RANA

PERMIT DRAWING No.-PER/DRE-RES./STR/9 SHEET NO. - 9