

COLUMN LAYOUT PLAN
SCALE: 1:100

THE BEAM LAYOUT PLAN AT LEVEL (+) 0.00
SCALE: 1:100

TYPICAL FLOOR BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+) 0.00 (+) 3.7m (+) 3.6m (+) 11.5m (+) 14.4m (+) 17.3m,
S1 MARKED SLABS ARE 110 mm THICK & S2 MARKED SLABS ARE 150 mm THICK
HLR REFTES TO HALF LANDING BEAM
SCALE: 1:100

- NOTES :
- UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
 - ALL DIMENSIONS ARE IN MILLIMETRES & LEVELS ARE IN METRE EXCEPT OTHERWISE MENTIONED ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS ARE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS AND INDICATE STRUCTURAL LEVEL ONLY (WITHOUT FINISH).
 - ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
 - UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE THE BARS OF GRADE Fe-500/500S CONFORMING TO IS-1786-2008.
 - UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE EQUAL TO THE DEVELOPMENT LENGTH & SHOULD BE AS FOLLOWS:
 - 1) COLUMNS : 40 diam
 - 2) BEAMS : 30 diam
 - 3) SLAB : 20 diam
 - 4) WASTE SLAB : 20 diam
 - GRADE OF CONCRETE FOR SUPERSTRUCTURE & SUBSTRUCTURE WILL BE M25 AS PER IS-456:2000.
 - VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
 - DEVELOPMENT LENGTH SAID FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAD DOWN IN IS:456:1977.
 - WHEREVER A SUPPORTED MEMBER TERMINATES AT A SUPPORTING MEMBER THE BARS OF THE SUPPORTED MEMBER SHOULD HAVE AN ANCHORAGE OF 6D IN THE SUPPORTING MEMBER.
 - WHEN TWO BEAMS MEET AT A COLUMN LOCATION ALONG THE SAME LINE THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT BOTH SIDES.
 - IN ALL CANTILEVER SLAB WITHOUT PERIPHERAL BEAM THE TOP REINFORCEMENT SHALL BE TO THE CANTILEVER SPAN SHOULD BE CONTINUED UP TO ATLEAST 1.5 TIMES THE CANTILEVER SPAN WITH THE ADJACENT SLAB.
- SPECIAL NOTES:
THIS STRUCTURAL DRAWING IS VALID IN THE ARCHITECTURAL DRAWING IS VALID ONLY USING 200 mm THICK AAC BLOCKS IN EXTERNAL WALLS & 155 mm THICK AAC BLOCKS IN INTERNAL WALLS.

TITLE
STRUCTURAL DRAWINGS OF PROPOSED SEVEN (G+6)
STORED RESIDENTIAL APARTMENT OF SUBHO LAXMI REAL
ESTATE, PLOT DETAILS /ADDRESS :R.S. PLOT
NO.-1596(PART),L.R.PLOT NO.-1970,1971, KHATIAN
NO.-4778,4779,4780,4781,4839 ,J.L. NO.-91,
MOUZA-ARRAH,P.S.-KANKSA,DIST.- PASCHIM BURDWAN.

CERTIFICATE OF ARCHITECT/ENGINEER
Jai Chatterjee
JUI CHATTERJEE
Licence No: 13030/03-13
1118, 8th Avenue Road, Durgam - 7
Calcutta-700017 (PA)WBINDIA

SIGNATURE OF GEOTECHNICAL ENGINEER

CERTIFICATE OF STRUCTURAL ENGINEER
The structural design and drawing of both foundation and superstructure of the building has been made by me according to the provisions of IS:456:1977 and the specific load as per the national building code of India and certified that it is safe and suitable to all respects.
Sourabh Dasgupta
13/3/2020
SOUMYADIP DUTTA
B.TECH (WBUTU)
CIVIL ENGINEER, HIDA
LICENCE NO.-CVENR/201/001374

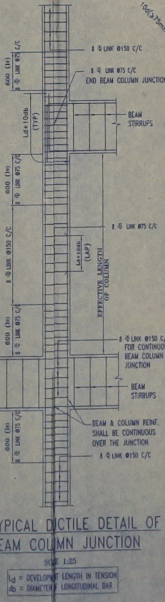
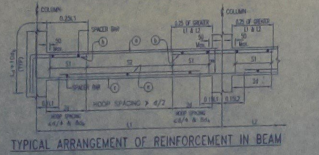
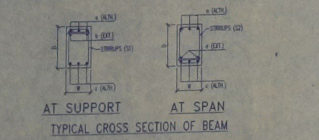
SIGNATURE OF THE VETTING AUTHORITY
Approved with the memo no-061956/01/121 dt-20/01/2021
By Vetting Engineer &
Prabhakar B. Sankaran
Sri Lakshmi Prasad
APPROVED
Prashant
Karnagiri Gram Panchayat

CERTIFICATE OF OWNER
Subhashish Dasgupta
Harishika Banerjee
SUBHO LAXMI REAL ESTATE
Business Partner

DRAWING TITLE
COLUMN LAYOUT PLAN & REINFORCEMENT DETAILS, THE BEAM LAYOUT PLAN & REINFORCEMENT DETAILS
SCALE: 1:100 OR AS SHOWN
DATE: 06.03.2020
SHEET NO. - 2 OF 3

SCHEDULE OF COLUMNS				
COLUMN MARKED	NOS. OF COLUMNS	COLUMN SIZE (mm x mm)	STIRRUP ARRANGEMENT & SPACING	
			FOUNDATION TO ROOF & ABOVE ROOF	NEAR JUNCTION (N) WEST PORTION
C1	01	350x450		
D17,C18,C19	03	300x600		
C6,C7,C8, C11,C12,C16, C22	07	300x600		
C14,C15,C18, C19,C20,C23, C24,C25, C27,C28	14	300x600		
C3,C9,C14, C28,C28	05	300x600		

SCHEDULE OF COLUMNS				
COLUMN MARKED	NOS. OF COLUMNS	COLUMN SIZE (mm x mm)	STIRRUP ARRANGEMENT & SPACING	
			FOUNDATION TO ROOF & ABOVE ROOF	NEAR JUNCTION (N) WEST PORTION
C23	01	350x600		
STOOL COLUMN	05	250x250		



SCHEDULE OF TYPICAL FLOOR BEAMS						
BEAM MARKED	BEAM SIZE (mm x mm)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT)
		ALONGSPAN (A)	AT SUPPORT (B)	ALONGSPAN (C)	AT SPAN (D)	
FB1	250 x 400	3-16 @ 150	-	3-16 @ 150	-	2L-8 @ 100 C/C
FB2	250 x 400	3-16 @ 150	-	3-16 @ 150	-	2L-8 @ 100 C/C
FB3	250 x 400	3-20 @ 150	-	3-20 @ 150	-	2L-8 @ 100 C/C
FB4	250 x 400	3-20 @ 150	-	3-20 @ 150	-	2L-8 @ 100 C/C
FB5	250 x 400	3-16 @ 150	-	3-16 @ 150	-	2L-8 @ 100 C/C
FB6	250 x 400	3-20 @ 150	-	3-20 @ 150	-	2L-8 @ 100 C/C
FB7	250 x 400	3-20 @ 150	-	3-20 @ 150	-	2L-8 @ 100 C/C
FB8	250 x 400	3-20 @ 150	-	3-20 @ 150	-	2L-8 @ 100 C/C
FB9	250 x 400	3-16 @ 150	-	3-16 @ 150	-	2L-8 @ 100 C/C
FB10	500 x 250	3-20 @ 150	-	3-20 @ 150	-	2L-8 @ 100 C/C
HLB	250 x 400	3-20 @ 150	-	3-20 @ 150	-	2L-8 @ 100 C/C

SCHEDULE OF THE BEAMS						
BEAM MARKED	BEAM SIZE (mm x mm)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT)
		ALONGSPAN (A)	AT SUPPORT (B)	ALONGSPAN (C)	AT SPAN (D)	
FB1	250 x 400	3-16 @ 150	-	3-16 @ 150	-	2L-8 @ 100 C/C
FB2	250 x 400	3-16 @ 150	-	3-16 @ 150	-	2L-8 @ 100 C/C