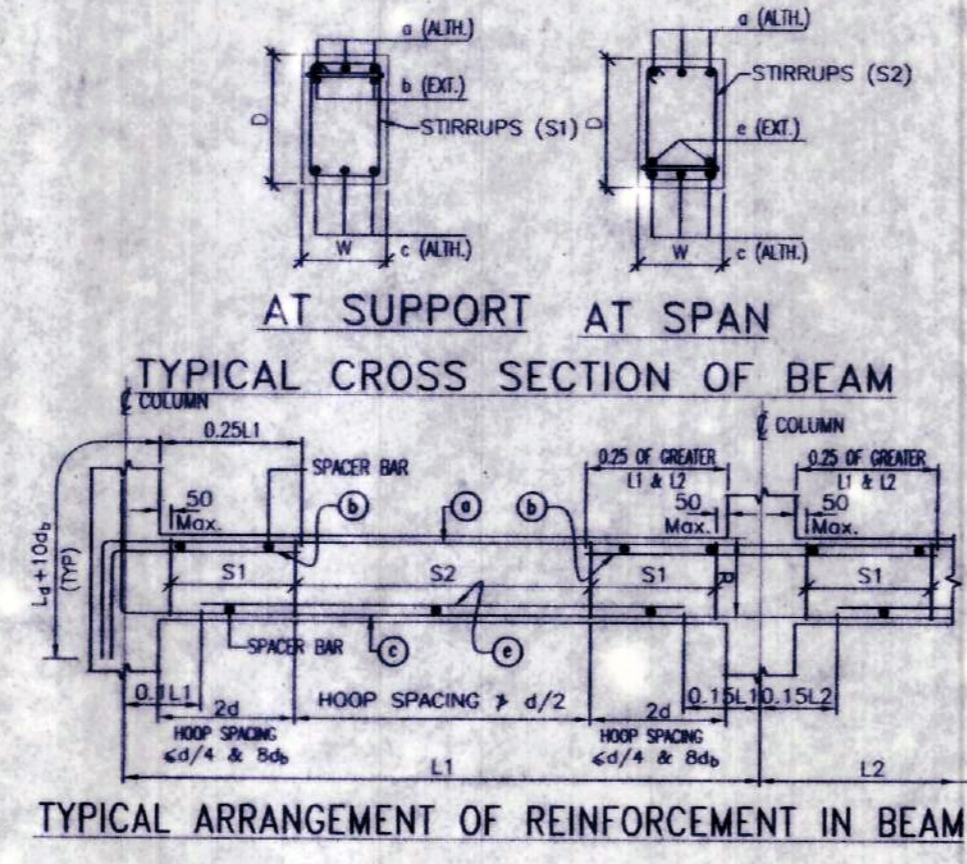


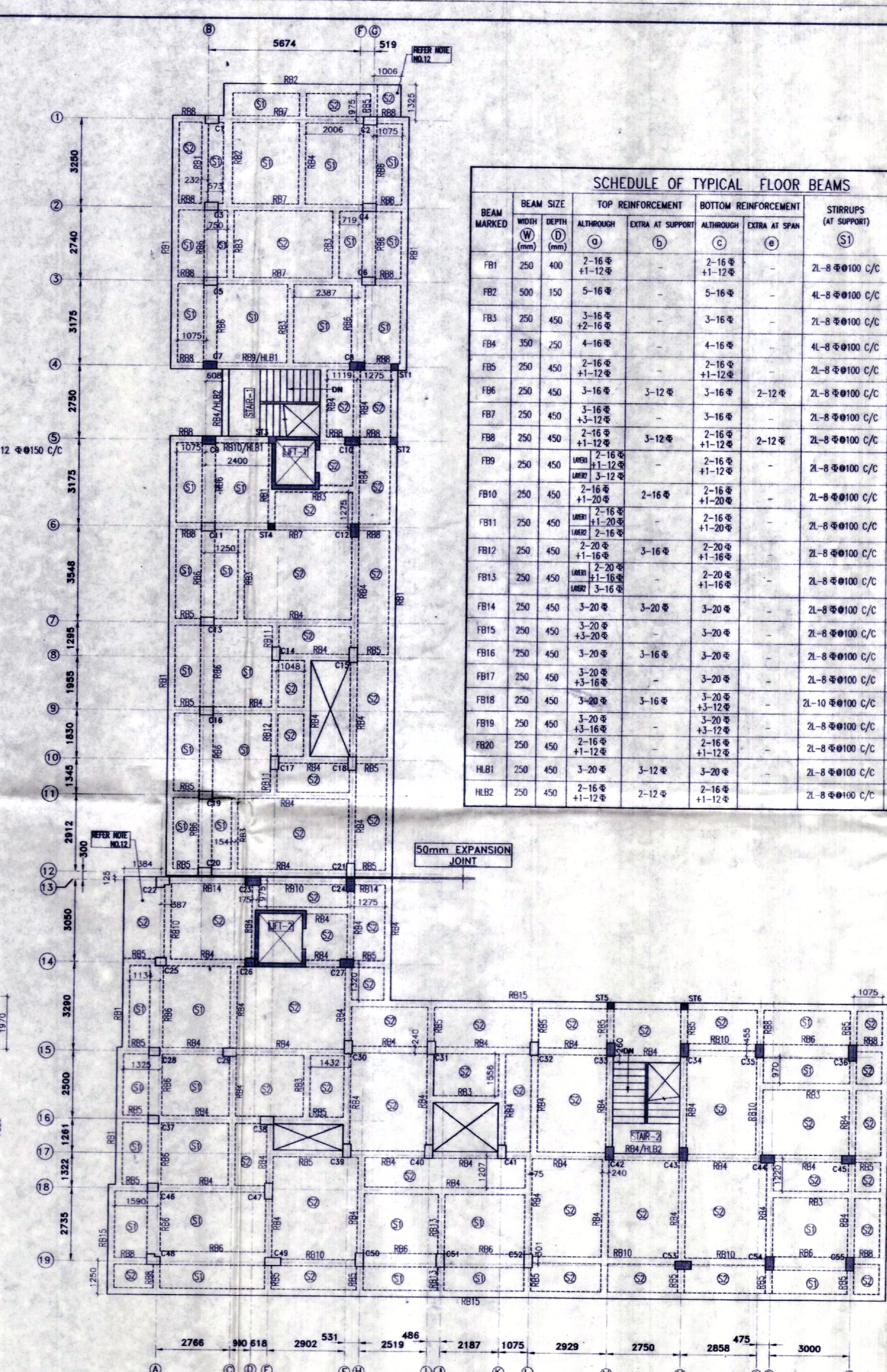
TYPICAL FLOOR BEAM AND SLAB LAYOUT PLAN AT LEVELS (+)5.65m, (+)8.55m, (+)11.45m, (+)14.35m, (+)17.25m, (+)20.15m.

S1 MARKED SLABS ARE 150 mm THICK.
S2 MARKED SLABS ARE 115 mm THICK.
HLB REFERS TO HALF LANDING BEAM.
SCALE 1:100

SPECIAL NOTE:-
1. THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.
2. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.



TYPICAL ARRANGEMENT OF REINFORCEMENT IN BEAM



ROOF BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)23.05 m.

S1 MARKED SLABS ARE 150 mm THICK.
S2 MARKED SLABS ARE 115 mm THICK.
HLB REFERS TO HALF LANDING BEAM.
SCALE 1:100

BEAM MARKED	BEAM SIZE (W x D)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT)	STIRRUPS (AT SPAN)
		ALTHROUGH	EXTRA AT SUPPORT	ALTHROUGH	EXTRA AT SPAN		
FB1	250 x 400	2-16	-	2-16	-	2L-8	2L-8
FB2	500 x 150	5-16	-	5-16	-	4L-8	4L-8
FB3	250 x 450	3-16	-	3-16	-	2L-8	2L-8
FB4	350 x 250	4-16	-	4-16	-	4L-8	4L-8
FB5	250 x 450	2-16	-	2-16	-	2L-8	2L-8
FB6	250 x 450	3-16	-	3-16	-	2L-8	2L-8
FB7	250 x 450	3-16	-	3-16	-	2L-8	2L-8
FB8	250 x 450	2-16	-	2-16	-	2L-8	2L-8
FB9	250 x 450	2-16	-	2-16	-	2L-8	2L-8
FB10	250 x 450	2-16	-	2-16	-	2L-8	2L-8
FB11	250 x 450	2-16	-	2-16	-	2L-8	2L-8
FB12	250 x 450	2-20	-	2-20	-	2L-8	2L-8
FB13	250 x 450	2-20	-	2-20	-	2L-8	2L-8
FB14	250 x 450	3-20	-	3-20	-	2L-8	2L-8
FB15	250 x 450	3-20	-	3-20	-	2L-8	2L-8
FB16	250 x 450	3-16	-	3-20	-	2L-8	2L-8
FB17	250 x 450	3-20	-	3-20	-	2L-8	2L-8
FB18	250 x 450	3-20	-	3-20	-	2L-10	2L-10
FB19	250 x 450	3-20	-	3-20	-	2L-8	2L-8
FB20	250 x 450	2-16	-	2-16	-	2L-8	2L-8
HLB1	250 x 450	3-20	-	3-20	-	2L-8	2L-8
HLB2	250 x 450	2-16	-	2-16	-	2L-8	2L-8

- NOTES :**
- UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
 - ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER. 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 TMT BARS OF GRADE Fe-500/500D CONFORMING TO IS-1786-2008.
 - UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE EQUAL TO THE DEVELOPMENT LENGTH = 50x BAR DIA. CONCRETE NOMINAL COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
 - i) COLUMNS : 40 mm
 - ii) BEAMS : 30 mm
 - iii) SLABS : 20 mm
 - iv) WAIST SLAB : 20 mm
 - GRADE OF CONCRETE FOR SUPERSTRUCTURE UP TO AND INCLUDING 4TH FLOOR WILL BE M30, ABOVE THAT 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 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987 WHEREVER A SUPPORTED MEMBER TERMINATES AT A SUPPORTING MEMBER THE BARS OF THE SUPPORTED MEMBER SHOULD HAVE AN ANCHORAGE OF 60D 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 SIDE.
 - IN ALL CANTILEVER SLAB WITHOUT PERIPHERAL BEAMS THE TOP REINFORCEMENT PARALLEL TO THE CANTILEVER SPAN SHOULD BE CONTINUED UP TO ATLEAST 1.5 TIMES THE CANTILEVER SPAN WITHIN THE ADJACENT SLAB.

TITLE
STRUCTURAL DRAWING OF PROPOSED EIGHT STORIED (G+7) RESIDENTIAL APARTMENT BUILDING AT PLOT DETAILS / ADDRESS:- R.S. PLOT NO- 1431(P), 1430(P), 1425(P), L.R. PLOT NO-1672, 1674, 1676, L.R. KHATIAN NO-850, 692, 693, 690, 851, 2463 & 2464, L.R. J.L. NO-110, R.S. J.L. NO-83, MOUZA:- KALIGANJ, DGP-713212, P.S.- N.T.P.S. DIST. -PASHIM BURDWAN.

SIGNATURE OF OWNER

SIGNATURE OF CONSULTANT/ARCHITECT

SIGNATURE OF GEOTECHNICAL ENGINEER
JULI CHATTERJEE
(COA REG NO:- CA/2021/134352)

SIGNATURE OF DEVELOPER'S

SIGNATURE OF PANCHAYAT PRADHAN
Approved Plan No. 42 on Meeting No. 21/2022-23 Date 22/04/2022 Valid upto 12/11/2024
Mallika Laha
Pradhan
Jemua Gram Panchayat

SIGNATURE OF STRUCTURAL ENGINEER
S. Choudhury 18/3/22
SUSMITA CHOUDHURY
B.TECH (CIVIL) - WBUTU
MR. C CONSTRUCTION - JU
ENR-1/ARCHITECTURE
ENR-11/KMC/664
STER/NKDA/21/00010
CVEN/NKDA/10/00123
(M)-887617321/7003201735

SIGNATURE OF THE VETTING AUTHORITY
CHECKED & [Signature]
DR. DIPANKAR CHATTERJEE
STRUCTURAL ENGINEER
PROFESSIONAL MEMBER
SADWAPATI ENGINEERING
25/04/2022
M.TECH (IT) IITB
CVEN/NKDA/10/00123
(M)-887617321/7003201735

DRAWING TITLE
1. COLUMN LAYOUT PLAN & REINFORCEMENT DETAILS.
2. TYPICAL FLOOR BEAM & SLAB LAYOUT PLAN WITH REINFORCEMENT DETAILS.
3. ROOF BEAM & SLAB LAYOUT PLAN.
SCALE - 1:100 OR AS SHOWN
DATE - 18.03.2022
SHEET NO. - 5 OF 6 SHEET SIZE - A1