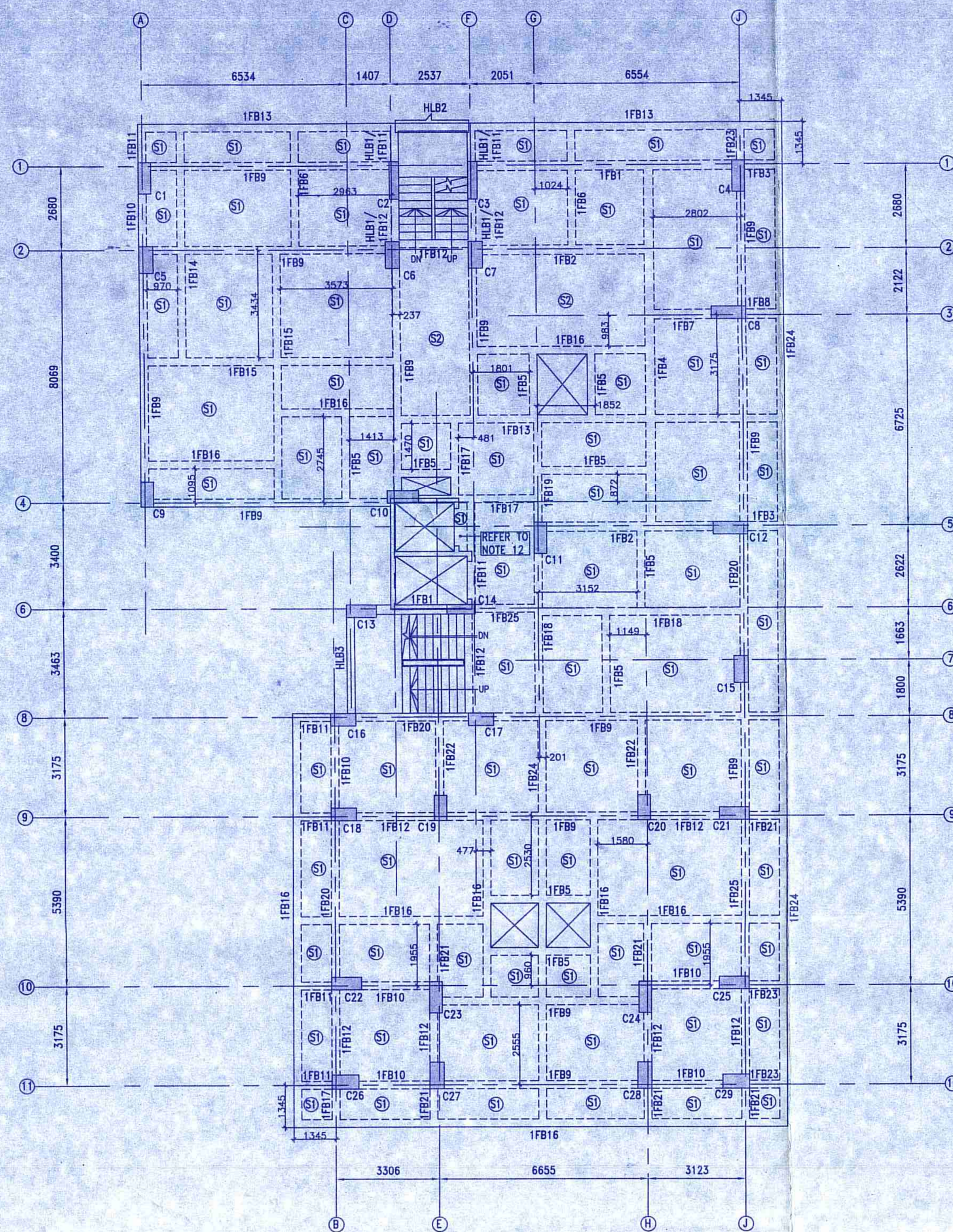


GROUND FLOOR BEAM AND SLAB LAYOUT PLAN AT LEVEL (+10.15m)
S3 MARKED SLABS ARE 150mm THICK.
HLB REFERS TO HALF LANDING BEAM.
SCALE:-1:100

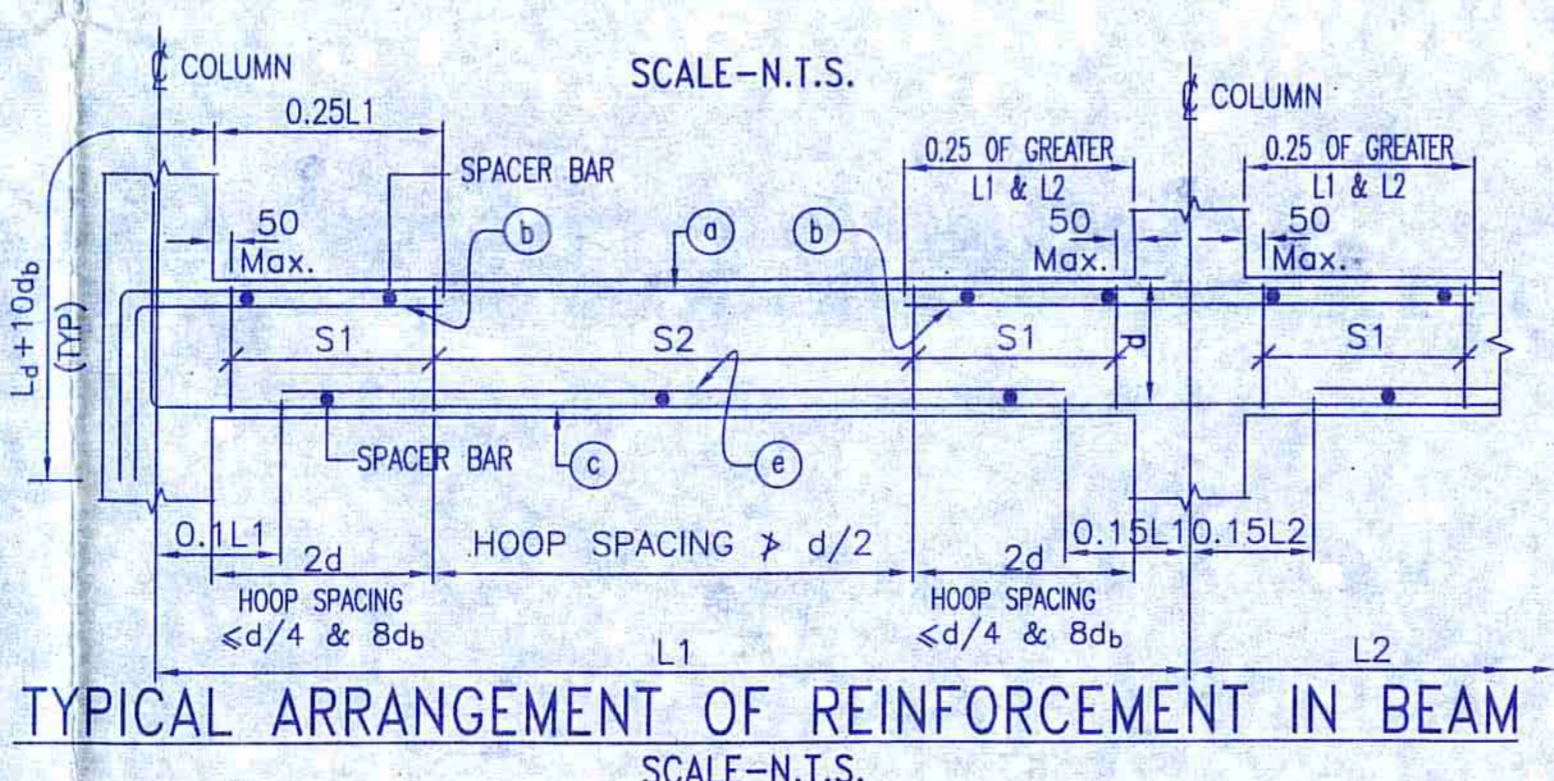
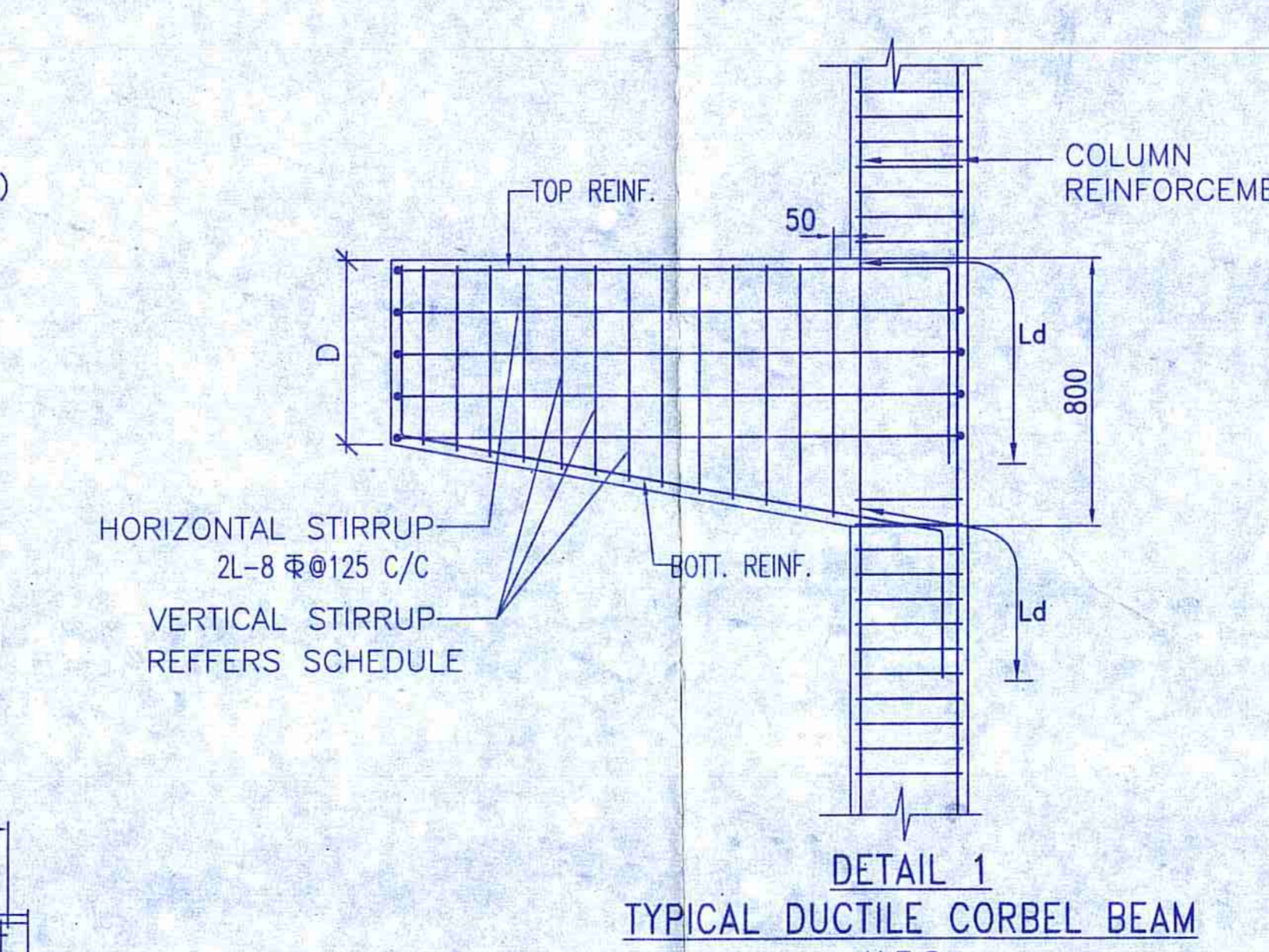
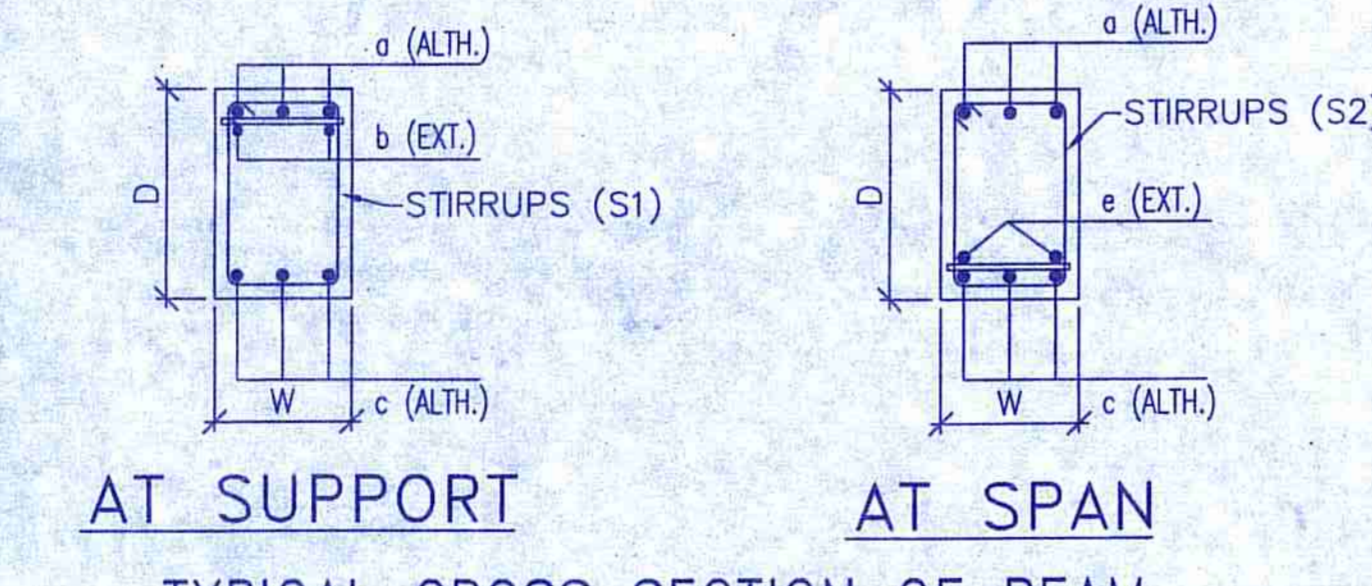
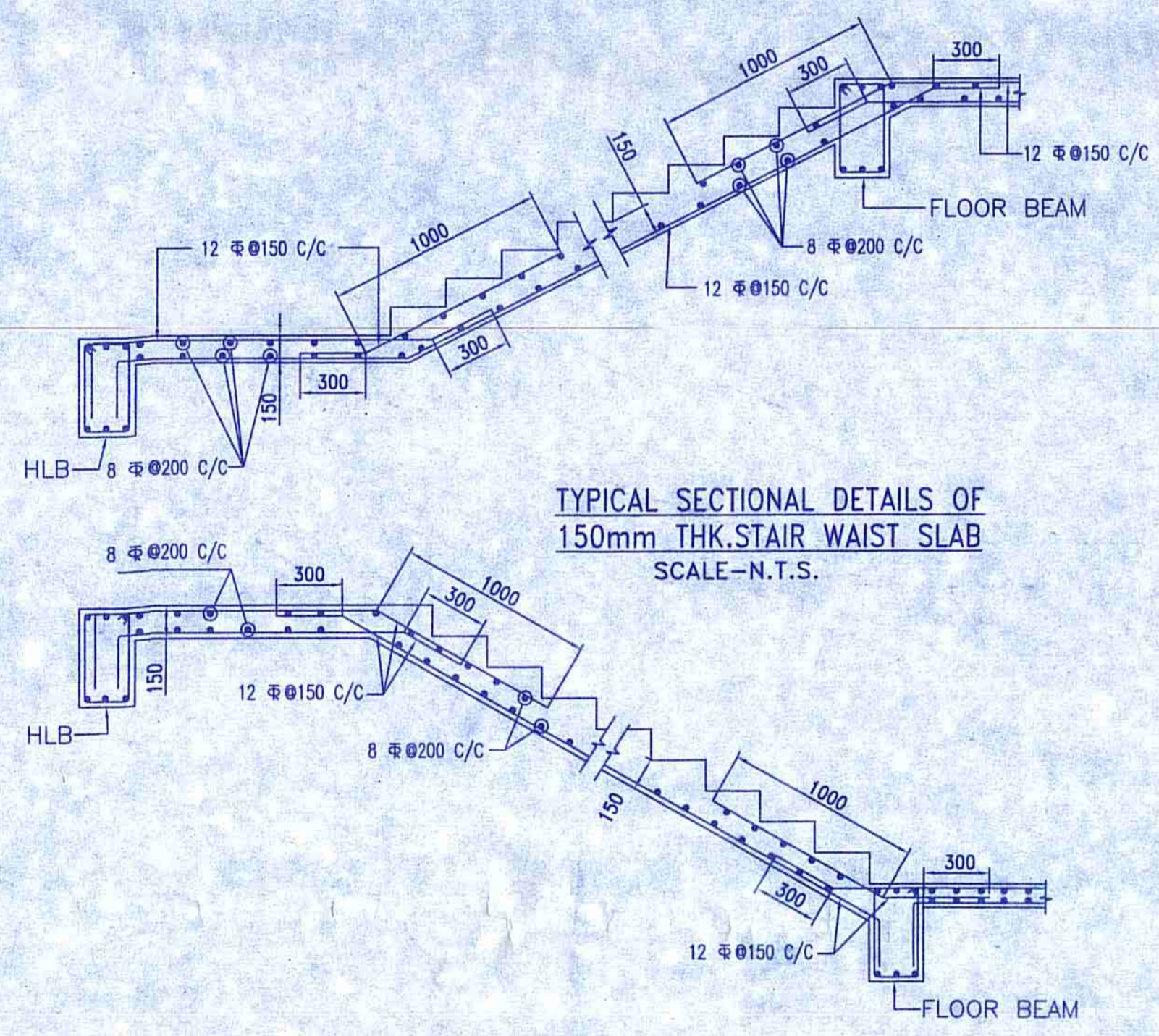


1ST FLOOR BEAM AND SLAB LAYOUT PLAN AT LEVEL (+12.9m).
S1 MARKED SLABS ARE 115mm THICK.
S2 MARKED SLABS ARE 125mm THICK.
HLB REFERS TO HALF LANDING BEAM.
SCALE:-1:100

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		
1FB1	300 x 650	3-25	3-25	3-25	3-20	2L-10#100 C/C	2L-10#200 C/C
1FB2	300 x 650	3-25	3-25	3-25	3-20	2L-8#100 C/C	2L-8#200 C/C
1FB3	300 x 650	3-25	3-25	3-25	3-20	2L-10#100 C/C	2L-10#200 C/C
1FB4	300 x 650	3-25	3-25	3-25	3-20	2L-8#100 C/C	2L-8#200 C/C
1FB5	250 x 400	3-16	3-16	3-16	3-16	2L-8#100 C/C	2L-8#200 C/C
1FB6	250 x 400	3-16	3-16	3-16	3-16	2L-8#100 C/C	2L-8#200 C/C
1FB7	300 x 650	4-25	4-25	4-25	4-25	4L-8#100 C/C	4L-8#200 C/C
1FB8	300 x 650	4-25	4-25	4-25	4-25	4L-8#100 C/C	4L-8#200 C/C
1FB9	250 x 550	3-20	3-20	3-20	3-16	2L-8#100 C/C	2L-8#200 C/C
1FB10	250 x 550	3-20	3-20	3-20	3-20	2L-10#100 C/C	2L-10#200 C/C
1FB11	250 x 550	3-20	3-20	3-20	3-20	2L-8#100 C/C	2L-8#200 C/C
1FB12	250 x 550	3-20	3-20	3-20	3-20	2L-10#100 C/C	2L-10#200 C/C
1FB13	250 x 550	3-16	3-16	3-16	3-12	2L-8#100 C/C	2L-8#200 C/C
1FB14	250 x 550	3-16	3-16	3-16	3-16	2L-8#100 C/C	2L-8#200 C/C
1FB15	250 x 550	3-20	3-20	3-20	3-16	2L-8#100 C/C	2L-8#200 C/C
1FB16	250 x 550	3-16	3-16	3-16	3-12	2L-8#100 C/C	2L-8#200 C/C
1FB17	250 x 550	3-20	3-20	3-20	3-16	2L-8#100 C/C	2L-8#200 C/C
1FB18	250 x 550	3-25	3-25	3-25	3-20	2L-8#100 C/C	2L-8#200 C/C
1FB19	250 x 550	3-25	3-25	3-25	3-20	2L-10#100 C/C	2L-10#200 C/C
1FB20	250 x 550	3-20	3-20	3-20	3-20	2L-8#100 C/C	2L-8#200 C/C
1FB21	250 x 550	3-20	3-20	3-20	3-20	2L-10#100 C/C	2L-10#200 C/C
1FB22	250 x 550	3-20	3-20	3-20	3-20	2L-8#100 C/C	2L-8#200 C/C
1FB23	250 x 550	3-20	3-20	3-20	3-20	2L-10#100 C/C	2L-10#200 C/C
1FB24	250 x 550	3-20	3-20	3-20	3-20	2L-10#100 C/C	2L-10#200 C/C
1FB25	250 x 550	3-20	3-20	3-20	3-20	2L-10#100 C/C	2L-10#200 C/C
HLB1	250 x 450	3-16	3-16	3-16	3-16	2L-10#100 C/C	2L-10#150 C/C
HLB2	250 x 450	3-16	3-16	3-16	3-16	2L-8#100 C/C	2L-8#200 C/C
HLB3	250 x 450	3-25	3-25	3-25	3-20	2L-10#100 C/C	2L-10#150 C/C

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		
GF B1	250 x 550	3-20	3-16	3-20	-	2L-8#100 C/C	2L-8#200 C/C
GF B2	250 x 550	3-20	3-20	3-20	-	2L-8#100 C/C	2L-8#200 C/C
GF B3	250 x 550	3-16	3-16	3-16	-	2L-8#100 C/C	2L-8#200 C/C
GF B4	250 x 550	3-20	3-25	3-20	3-16	2L-10#100 C/C	2L-10#200 C/C
GF B5	250 x 550	3-16	3-20	3-20	3-20	2L-8#100 C/C	2L-8#200 C/C
GF B6	250 x 550	3-20	3-20	3-20	3-20	2L-8#100 C/C	2L-8#200 C/C
GF B7	300 x 650	3-25	3-25	3-25	-	2L-10#100 C/C	2L-10#200 C/C
GF B8	250 x 550	3-20	3-20	3-20	-	2L-8#100 C/C	2L-8#200 C/C
GF B9	250 x 550	3-20	3-20	3-20	-	2L-8#100 C/C	2L-8#200 C/C
GF B10	250 x 550	3-16	3-16	3-16	-	2L-8#100 C/C	2L-8#200 C/C
GF B11	250 x 550	3-20	3-20	3-20	-	2L-8#100 C/C	2L-8#200 C/C
GF B12	250 x 550	3-20	3-20	3-20	-	2L-10#100 C/C	2L-10#200 C/C
GF B13	250 x 550	3-20	3-20	3-20	-	2L-10#100 C/C	2L-10#200 C/C
GF B14	250 x 550	3-20	3-16	3-16	-	2L-8#100 C/C	2L-8#200 C/C
GF B15	250 x 550	3-16	3-16	3-16	3-16	2L-8#100 C/C	2L-8#200 C/C
GF B16	250 x 550	3-20	3-20	3-20	-	2L-8#100 C/C	2L-8#200 C/C
GF B17	250 x 550	3-20	3-20	3-20	-	2L-8#100 C/C	2L-8#200 C/C
HL B3	250 x 450	3-25	3-25	3-25	-	2L-10#100 C/C	2L-10#150 C/C

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	300 x 650	3-25	3-25	3-25	-	2L-10#100 C/C	2L-10#200 C/C
FB2	300 x 650	3-25	3-25	3-25	-	2L-8#100 C/C	2L-8#200 C/C
FB3	300 x 650	3-25	3-25	3-25	-	2L-10#100 C/C	2L-10#200 C/C
FB4	300 x 650	4-25	4-25	4-25	-	4L-8#100 C/C	4L-8#200 C/C
FB5	300 x 650	4-25	4-25	4-25	-	2L-8#100 C/C	2L-8#200 C/C
FB6	300 x 650	3-20	3-20	3-20	3-20	2L-10#100 C/C	2L-10#200 C/C
FB7	300 x 650	3-20	3-20	3-20	-	4L-8#100 C/C	4L-8#100 C/C
FB8	450 x 250	5-25	5-25	5-20	-	4L-8#100 C/C	4L-8#150 C/C
FB9	450 x 250	5-20	5-20	5-20	-	4L-8#100 C/C	4L-8#150 C/C
FB10	250 x 400	3-16	3-16	3-16	-	2L-8#100 C/C	2L-8#150 C/C
FB11	250 x 550	3-25	3-25	3-20	-	2L-8#100 C/C	2L-8#200 C/C
FB12	250 x 550	3-20	3-20	3-20	-	2L-10#100 C/C	2L-10#200 C/C
FB13	250 x 550	3-25	3-25	3-20	-	2L-8#100 C/C	2L-8#200 C/C
FB14	250 x 550	3-25	3-20	3-20	-	2L-8#100 C/C	2L-8#200 C/C
FB15	250 x 550	3-20	3-20	3-20	-	2L-8#100 C/C	2L-8#200 C/C
FB16	250 x 550	3-20	3-20	3-20	-	2L-8#100 C/C	2L-8#200 C/C
FB17	250 x 550	3-20	3-20	3-20	-	2L-8#100 C/C	2L-8#200 C/C
FB18	250 x 550	3-20	3-20	3-20	-	2L-8#100 C/C	2L-8#200 C/C
FB19	250 x 550	3-16	3-16	3-20	-	2L-8#100 C/C	2L-8#200 C/C
FB20	250 x 550	3-16	3-16	3-16	-	2L-8#100 C/C	2L-8#200 C/C
FB21	250 x 550	3-25	3-25	3-20	3-16	2L-10#100 C/C	2L-10#200 C/C
FB22	250 x 550	3-25	3-25	3-20	3-16	2L-10#100 C/C	2L-10#200 C/C
FB23	250 x 550	3-20	3-20	3-20	-	2L-8#100 C/C	2L-8#200 C/C
FB24	250 x 550	3-25	3-25	3-20	-	2L-10#100 C/C	2L-10#200 C/C
FB25	250 x 550	3-25	3-25	3-20	-	2L-10#100 C/C	2L-10#200 C/C
FB26	250 x 550	3-20	3-20	3-20	-	2L-8#100 C/C	2L-8#200 C/C
FB27	250 x 550	3-25	3-25	3-20	-	2L-8#100 C/C	2L-8#200 C/C
FB28	250 x 550	3-25	3-25	3-20	-	2L-10#100 C/C	2L-10#200 C/C
FB29	250 x 550	3-25	3-25	3-20	-	2L-10#100 C/C	2L-10#200 C/C
HLB1	250 x 450	3-16	3-16	3-16	-	2L-10#100 C/C	2L-10#150 C/C
HLB2	250 x 450	3-16	3-16	3-16	-	2L-8#100 C/C	2L-8#200 C/C
HLB3	250 x 450	3-25	3-25	3-25	-	2L-10#100 C/C	2L-10#150 C/C



SPECIAL NOTES:
1. THE STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER QUANTITY OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.
2. ALL BEAMS SPANNING GREATER THAN 5.0 M ABOVE THE BEAM LEVEL TO ROOF LEVEL SHOULD BE CAST WITH A PRECAST OF 15 MM IN EACH BAY BOTH AT TOP AND BOTTOM.
3. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.

- 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 COLUMNS - M40
BEAMS UPTO AND INCLUDING 6TH FLOOR - M35
AND ABOVE 6TH FLOOR - M30
 - 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.
 - ALL CANTILEVER SLAB WITHOUT PERIPHERAL BEAMS THE TOP REINFORCEMENT PARALLEL TO THE CANTILEVER SPAN SHOULD BE CONTINUED UPTO ATLEAST 1.5 TIMES THE CANTILEVER SPAN WITHIN THE ADJACENT SLAB.

TITLE
STRUCTURAL DRAWING OF PROPOSED B+G+13 STORIED RESIDENTIAL APARTMENT BUILDING OF SRI ANATH BANDHU MAJI, SRI SUMAN RABABI, SMT SABITA RABABI, SRI GOUTAM KUMAR MUKHERJEE, SRI SAMIR CHATTERJEE, DEVELOPED BY - "ENJOY DEVELOPER" PROPRIETOR - GOUR SUNDAR PAUL, L.R. PLOT NO. - 373/388, KHATIAN NO. - 1205, 2871, 2870, G.O.L. MOUZA - SANKARPUR, J.L. NO- 109, P.S. NEW TOWNSHIP, DIST- PASCHIM BARDHAMAN.

SIGNATURE OF OWNER
Anath Bandhu Maji
Suman Chatterjee
Sabita Rababi

SIGNATURE OF L.B.S./ENGINEER/ARCHITECT
Ar. VIJAYA SURESH MAZUMDER
COA Registered
COA/2021/134278
933202169 / 947828108

SIGNATURE OF GEO-TECHNICAL ENGINEER
ASIM SARKAR
B.E. IN CIVIL ENGINEERING
EMPHASIZED GEO-TECHNICAL ENGINEER
M.C.E. No. CLASS-12

SIGNATURE OF PANCHAYET PRADHAN
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Jama Gram Panchayat

SIGNATURE OF STRUCTURAL ENGINEER
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STER/NCD/A/21/00110775
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MO: 9897573217/905201735

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DRAWING TITLE
1. GROUND & FIRST FLOOR BEAM AND SLAB LAYOUT PLAN WITH REINF. DETAILS.
2. DETAILS OF STAIR.
SCALE:-1:100 OR AS SHOWN
DATE:- 06.04.2023
SHEET NO. - 3 OF 4 SHEET SIZE- A0