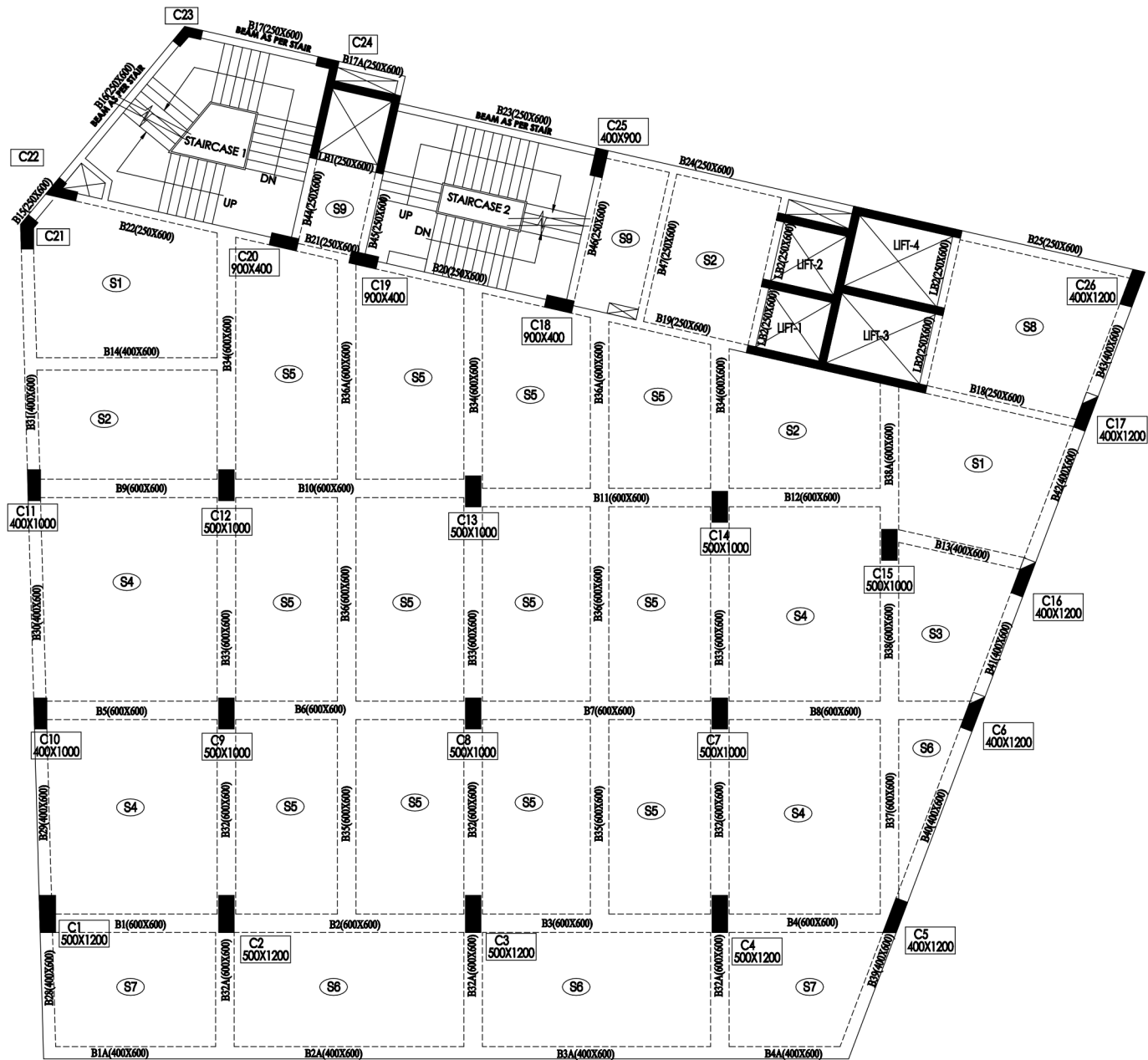




2ND FLOOR PLAN (+9450 LEV.)
SCALE 1:100

BEAM DEPTH FOR THIS FLOOR 600 MM

2ND FLOOR LEVEL BEAM SCHEDULE								
GRADE OF CONCRETE - M30								
BEAM MED & SIZE	REINFORCEMENT AT TOP			REINFORCEMENT AT BOTTOM			STIRRUPS	
	LEFT	MIDDLE	RIGHT	LEFT	MIDDLE	RIGHT	LEFT SUPPORT (U.L)	RIGHT SUPPORT (U.L)
B35(600X600)	6-18TOR	6-18TOR	6-18TOR+ 2-18TOR	6-18TOR	6-18TOR	6-18TOR	4-18TOR@180CC	4-18TOR@200CC
B36(600X600)	6-18TOR+ 2-18TOR	6-18TOR	6-18TOR+ 2-18TOR	6-18TOR	6-18TOR	6-18TOR	4-18TOR@180CC	4-18TOR@200CC
B36A(600X600)	6-18TOR+ 2-18TOR	6-18TOR	6-18TOR	6-18TOR+ 2-18TOR	6-18TOR	6-18TOR	4-18TOR@180CC	4-18TOR@200CC
B37(600X600)	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR+ 3-18TOR	6-18TOR	4-18TOR@180CC	4-18TOR@200CC
B38(600X600)	6-18TOR	6-18TOR	6-18TOR+ 2-18TOR	6-18TOR	6-18TOR	6-18TOR+ 5-18TOR	4-18TOR@180CC	4-18TOR@200CC
B38A(600X600)	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR+ 5-18TOR	4-18TOR@180CC	4-18TOR@200CC
B39(400X600)	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR	4-28TOR+ 2-18TOR	4-18TOR@180CC	4-18TOR@200CC
B40(400X600)	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR	2-28TOR+ 2-18TOR	4-18TOR@180CC	4-18TOR@200CC
B41(400X600)	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR	2-28TOR+ 2-18TOR	4-18TOR@180CC	4-18TOR@200CC
B42(400X600)	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR	2-28TOR+ 2-18TOR	4-18TOR@180CC	4-18TOR@200CC
B43(400X600)	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR	2-28TOR+ 2-18TOR	4-18TOR@180CC	4-18TOR@200CC
B44(250X600)	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR	3-28TOR	2-18TOR@100CC	2-18TOR@100CC
B45(250X600)	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR	3-28TOR	2-18TOR@100CC	2-18TOR@100CC
B46(250X600)	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR	3-28TOR	2-18TOR@100CC	2-18TOR@100CC
L31(250X600)	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR	2-18TOR@100CC	2-18TOR@180CC
B47(250X600)	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR	2-28TOR+ 2-18TOR	2-18TOR@100CC	2-18TOR@180CC
L32(250X600)	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR	6-18TOR	2-18TOR@100CC	2-18TOR@180CC

SLAB SCHEDULE

GRADE OF CONCRETE - M30

SLAB MKD	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	200THK	T12 @200C/C (ST.) T12 @200C/C (CHKD.)	T10 @300C/C (ST.) T10 @300C/C (CHKD.)
S2	150THK	T10 @300C/C (ST.) T10 @300C/C (CHKD.)	T8 @300C/C (ST.) T8 @300C/C (CHKD.)
S3	150THK	T8 @300C/C (ST.) T8 @300C/C (CHKD.)	T8 @400C/C (ST.) T8 @400C/C (CHKD.)
S4	200THK	T12 @300C/C (ST.) T12 @300C/C (CHKD.)	T12 @300C/C (ST.) T12 @300C/C (CHKD.)
S5	150THK	T8 @300C/C (ST.) T8 @300C/C (CHKD.)	T8 @400C/C (ST.) T8 @400C/C (CHKD.)
S6	150THK	T8 @300C/C (ST.) T8 @300C/C (CHKD.)	T8 @400C/C (ST.) T8 @400C/C (CHKD.)
S7	150THK	T8 @200C/C (ST.) T8 @200C/C (CHKD.)	T8 @400C/C (ST.) T8 @400C/C (CHKD.)
S8	200THK	T12 @300C/C (ST.) T12 @300C/C (CHKD.)	T12 @300C/C (ST.) T12 @300C/C (CHKD.)
S9	150THK	T8 @300C/C (ST.) T8 @300C/C (CHKD.)	T8 @400C/C (ST.) T8 @400C/C (CHKD.)

2ND FLOOR LEVEL BEAM SCHEDULE

GRADE OF CONCRETE - M30

BEAM MED & SIZE	REINFORCEMENT AT TOP			REINFORCEMENT AT BOTTOM			STIRRUPS		
	LEFT	MIDDLE	RIGHT	LEFT	MIDDLE	RIGHT	LEFT SUPPORT (U.L)	MID SPAN	RIGHT SUPPORT (U.L)
B1(600X600)	6-28TOR+ 4-28TOR	4-28TOR	6-28TOR+ 4-28TOR	6-28TOR+ 6-28TOR	6-28TOR	6-28TOR+ 6-28TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B2(600X600)	6-28TOR+ 4-28TOR	4-28TOR	6-28TOR+ 4-28TOR	6-28TOR+ 6-28TOR	6-28TOR	6-28TOR+ 6-28TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B3(600X600)	6-28TOR+ 4-28TOR	4-28TOR	6-28TOR+ 4-28TOR	6-28TOR+ 6-28TOR	6-28TOR	6-28TOR+ 6-28TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B4(600X600)	6-28TOR+ 4-28TOR	4-28TOR	6-28TOR+ 4-28TOR	6-28TOR+ 6-28TOR	6-28TOR	6-28TOR+ 6-28TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B5(600X600)	4-28TOR	4-28TOR	6-28TOR+ 6-28TOR	6-28TOR+ 3-18TOR	6-28TOR	6-28TOR+ 3-18TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B6(600X600)	6-28TOR+ 6-28TOR	4-28TOR	6-28TOR+ 6-28TOR	6-28TOR+ 3-18TOR	6-28TOR+ 3-18TOR	6-28TOR+ 3-18TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B7(600X600)	6-28TOR+ 6-28TOR	4-28TOR	6-28TOR+ 6-28TOR	6-28TOR+ 3-18TOR	6-28TOR+ 3-18TOR	6-28TOR+ 3-18TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B8(600X600)	6-28TOR+ 6-28TOR	4-28TOR	6-28TOR+ 6-28TOR	6-28TOR+ 3-18TOR	6-28TOR+ 3-18TOR	6-28TOR+ 3-18TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B9(600X600)	4-28TOR	4-28TOR	6-28TOR+ 6-28TOR	6-28TOR+ 3-18TOR	6-28TOR	6-28TOR+ 3-18TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B10(600X600)	6-28TOR+ 6-28TOR	4-28TOR	6-28TOR+ 6-28TOR	6-28TOR+ 3-18TOR	6-28TOR+ 3-18TOR	6-28TOR+ 3-18TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B11(600X600)	6-28TOR+ 6-28TOR	4-28TOR	6-28TOR+ 6-28TOR	6-28TOR+ 3-18TOR	6-28TOR+ 3-18TOR	6-28TOR+ 3-18TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B12(600X600)	6-28TOR+ 6-28TOR	4-28TOR	4-28TOR	6-28TOR+ 3-18TOR	6-28TOR	6-28TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B13(400X600)	4-28TOR+ 4-18TOR	4-28TOR	4-28TOR+ 4-18TOR	4-28TOR+ 4-18TOR	4-28TOR	4-28TOR+ 2-18TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B14(400X600)	4-18TOR	4-18TOR	4-18TOR	4-28TOR	4-28TOR	4-28TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B15(250X600)	3-28TOR+ 2-28TOR	3-28TOR+ 2-28TOR	3-28TOR+ 2-28TOR	3-28TOR	3-28TOR	3-28TOR	2-18TOR@100CC	2-18TOR@180CC	2-18TOR@180CC
B16(250X600)	3-28TOR+ 2-28TOR	2-28TOR	3-28TOR+ 2-28TOR	3-28TOR	3-28TOR	3-28TOR	2-18TOR@100CC	2-18TOR@180CC	2-18TOR@180CC
B17(250X600)	3-28TOR+ 2-28TOR	2-28TOR	3-28TOR+ 2-18TOR	3-28TOR	3-28TOR	3-28TOR	2-18TOR@100CC	2-18TOR@180CC	2-18TOR@180CC
B17A(250X600)	2-28TOR+ 2-18TOR	3-28TOR+ 2-18TOR	2-28TOR+ 2-18TOR	3-28TOR	3-28TOR	3-28TOR	2-18TOR@100CC	2-18TOR@180CC	2-18TOR@180CC
B18(250X600)	3-28TOR+ 2-28TOR	2-28TOR	3-28TOR+ 2-18TOR	3-28TOR	3-28TOR	3-28TOR	2-18TOR@100CC	2-18TOR@180CC	2-18TOR@180CC
B19(250X600)	3-28TOR+ 2-18TOR	2-28TOR	3-28TOR+ 2-18TOR	3-28TOR	3-28TOR	3-28TOR	2-18TOR@100CC	2-18TOR@180CC	2-18TOR@180CC
B20(250X600)	3-28TOR+ 2-28TOR	2-28TOR	3-28TOR+ 2-18TOR	3-28TOR	3-28TOR+ 2-18TOR	3-28TOR	2-18TOR@100CC	2-18TOR@180CC	2-18TOR@180CC
B21(250X600)	3-28TOR+ 2-28TOR	3-28TOR+ 2-28TOR	3-28TOR+ 2-28TOR	3-28TOR	3-28TOR	3-28TOR	2-18TOR@100CC	2-18TOR@180CC	2-18TOR@180CC
B22(250X600)	3-28TOR+ 2-28TOR	2-28TOR	3-28TOR+ 2-28TOR	3-28TOR	3-28TOR+ 2-28TOR	3-28TOR	2-18TOR@100CC	2-18TOR@180CC	2-18TOR@180CC
B23(250X600)	3-28TOR+ 2-28TOR	2-28TOR	3-28TOR	3-28TOR+ 2-28TOR	3-28TOR	3-28TOR	2-18TOR@100CC	2-18TOR@180CC	2-18TOR@180CC
B24(250X600)	3-28TOR	2-28TOR	3-28TOR	3-28TOR	3-28TOR	3-28TOR	2-18TOR@100CC	2-18TOR@180CC	2-18TOR@180CC
B25(250X600)	3-28TOR+ 2-28TOR	2-28TOR	3-28TOR+ 2-28TOR	3-28TOR	3-28TOR	3-28TOR+ 2-28TOR	2-18TOR@100CC	2-18TOR@180CC	2-18TOR@180CC
B1A(400X600)	4-18TOR	4-18TOR	4-18TOR+ 2-18TOR	4-18TOR	4-18TOR	4-18TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B2A(400X600)	4-18TOR+ 2-18TOR	4-18TOR	4-18TOR	4-18TOR	4-18TOR	4-18TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B3A(400X600)	4-18TOR	4-18TOR	4-18TOR+ 2-18TOR	4-18TOR	4-18TOR	4-18TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B4A(400X600)	4-18TOR+ 2-18TOR	4-18TOR	4-18TOR	4-18TOR	4-18TOR	4-18TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B28(400X600)	6-28TOR+ 4-28TOR	6-28TOR+ 4-28TOR	6-28TOR+ 4-28TOR	6-28TOR	6-28TOR	6-28TOR	4-18TOR@180CC	4-18TOR@200CC	4-18TOR@180CC
B29(400X600)	6-28TOR+ 4-28TOR	4-28TOR	6-28TOR+ 4-28TOR	6-28TOR	4-28TOR	4-28TOR+ 4-28TOR	4-18TOR@180CC	4-18TOR@200CC	4-18TOR@180CC
B30(400X600)	6-28TOR+ 4-28TOR	4-28TOR	6-28TOR+ 4-28TOR	4-28TOR+ 4-28TOR	4-28TOR	4-28TOR+ 4-18TOR	4-18TOR@180CC	4-18TOR@200CC	4-18TOR@180CC
B31(400X600)	6-28TOR+ 4-28TOR	4-28TOR	6-28TOR+ 4-28TOR	4-28TOR+ 4-18TOR	4-28TOR	4-28TOR+ 4-28TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B32A(600X600)	6-28TOR+ 6-28TOR+ 4-28TOR	6-28TOR+ 6-28TOR+ 4-28TOR	6-28TOR+ 6-28TOR+ 4-28TOR	6-28TOR+ 4-28TOR	6-28TOR+ 4-28TOR	6-28TOR+ 4-28TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B32(600X600)	6-28TOR+ 6-28TOR+ 4-28TOR	4-28TOR	6-28TOR+ 4-28TOR	6-28TOR+ 4-28TOR	4-28TOR	6-28TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B33(600X600)	6-28TOR+ 4-28TOR	4-28TOR	6-28TOR+ 4-28TOR	6-28TOR	4-28TOR	6-28TOR	4-18TOR@180CC	4-18TOR@180CC	4-18TOR@180CC
B34(600X600)	6-28TOR+ 4-28TOR	4-28TOR	4-28TOR	6-28TOR	6-28TOR	4-28TOR	4-18TOR@180CC	4-18TOR@200CC	4-18TOR@180CC

NOTE:

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. ANY AMBIGUITY IN THE DRAWINGS SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMMENCING THE WORK
3. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:8 CEMENT MORTAR.
4. THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
5. ALL GRADE OF CONCRETE M25/M30
6. ALL MATERIALS SHALL CONFORM TO RELEVANT IS CODES.
7. FOR STEEL GRADE Fe 500 AS PER IS 1786-1979.
8. ALL DISTRIBUTION BARS ARE T8 @ 250 CC AND TO BE PROVIDED WHEREVER REQUIRED.
9. ALL CHAIRS ARE T10 AND TO BE PROVIDED WHEREVER REQUIRED.
10. ALL SPACER BARS ARE T25 @ 300 CC AND TO BE PROVIDED WHEREVER REQUIRED.
11. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
12. FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:8 CEMENT MORTAR.
13. MINIMUM CLEAR COVER TO MAIN LINK IS AS FOLLOWS:
MEMBER TOP BOTTOM SIDE
a. FOUNDATION BEAM & SLAB 50 50 50
b. COLUMN 40
c. FLOOR BEAM. 30 30 30
d. TIE BEAM. 40 40 40
e. FLOOR SLAB. 25 25 25
14. THIS DRAWING IS THE PROPERTY OF M/S S.P.A CONSULTANT AND CANNOT BE COPIED OR USED WITHOUT THEIR PERMISSION.

DECLARATION OF OWNER :

DECLARED THAT I/WE SHALL NOT ALTER OR MAKE ANY ADDITION TO THIS PLAN. DECLARED THAT I HAVE GONE THROUGH THE RULES AND REGULATIONS FOR RELEVANT AUTHORITY AND ALSO UNDERTAKE TO ABIDE BY THESE RULES AND REGULATION DURING AND AFTER THE CONSTRUCTION OF BUILDING. I MAY APPOINT A L.B.S./OR TECHNICAL PERSON FOR THE SUPERVISION OF CONSTRUCTION.

SIGNATURE OF OWNER

OWNERS:

1. Mr. Soumen Saha
2. Mr. Jewel Rahaman
3. Mr. Nantu Bala
4. Mr. Pintu Saha

DECLARATION OF STRUCTURAL ENGINEER

I/WE HEREBY CERTIFY THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON PLOT MENTIONED ABOVE UNDER THE JURISDICTION OF S.M.C./NOTIFIED AREA AUTHORITY/ INDUSTRIAL TOWNSHIP AUTHORITY WILL BE PERSONALLY INSPECTED AND SO DESIGNED BY ME/US & WE WILL ENSURE THAT THE CONCERNED FOUNDATION AND SUPER STRUCTURE IS SAFE IN ALL RESPECT INCLUDING CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL AND OTHER CONDITIONS, IF ANY CONFORMING TO ALL STIPULATIONS OF ALL RELEVANT IS CODE OF PRACTICE AND NATIONAL BUILDING CODE.

SIGNATURE OF ENGINEER.

SANJIB J PAREKH
REGN. NO. - ESE/I/104

DECLARATION OF THE L.B.A.:

CERTIFIED THAT THE PLAN HAVE BEEN DESIGNED & DRAWN UP STRICTLY ACCORDING TO THE NATIONAL BUILDING CODE (N.B.C.) 2016 & RELEVANT AUTHORITY.

SIGNATURE OF L.B.A.

PROJECT-

PROPOSED B+L + UG + 5 + PART 6
STORIED COMMERCIAL BUILDING AT
MOUZA- UTTAR JODUPUR, WARD NO.03,
J.L. NO. - 88, P.S - ENGLISH BAZAR, DISTT. MALDA
L.R. PLOT NO - 2197
L.R. KHATAN NO - 2170, 2172, 2174, 2866
HOLDING NO. - 27/1

TITLE

2ND FLOOR SLAB, BEAM LAYOUT AND SCHEDULE

ARCHITECTS

Studio 4th Dimension
Flat-20, DDA Flats, Pocket-8, Sector-12,
Dwarka, New Delhi-110075
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CONSULTANT: STRUCTURE
S.P.A CONSULTANTS
34, Rammohan Dutta road kolkata 700020
PHONE NO. 033-24757614
Fax-24757614, E-Mail - spa_cons@yahoo.co.in

DRAWN BY- KEKA	CHECKED BY SP	DATE- 17.07.2025	SCALE- 1:100, 25
JOB NO. 2025	110	SPA	MALDA 32 KATHA
DWG. NO.	2025/110/STUDIO 4TH DIM/SPA/32	KATHA/SUB-05	