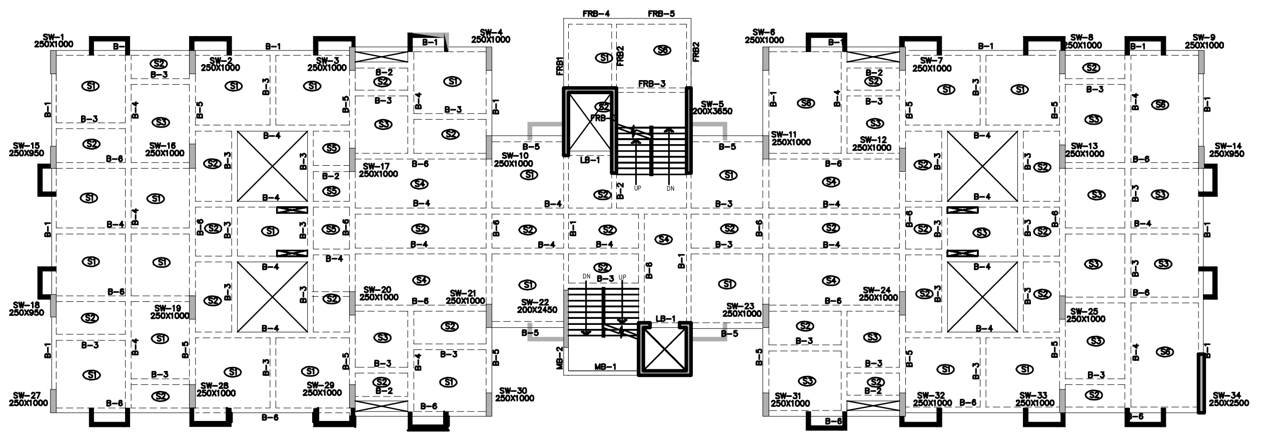
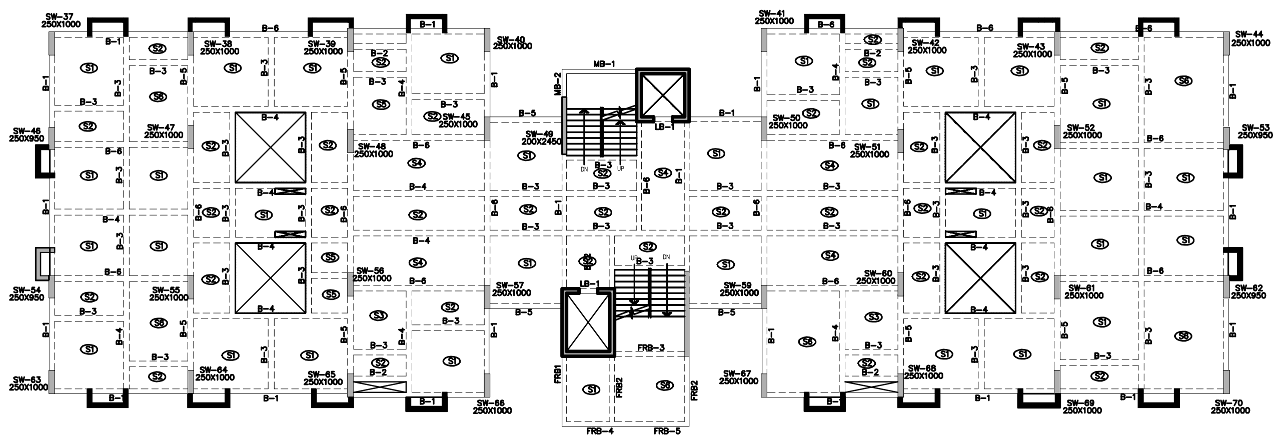
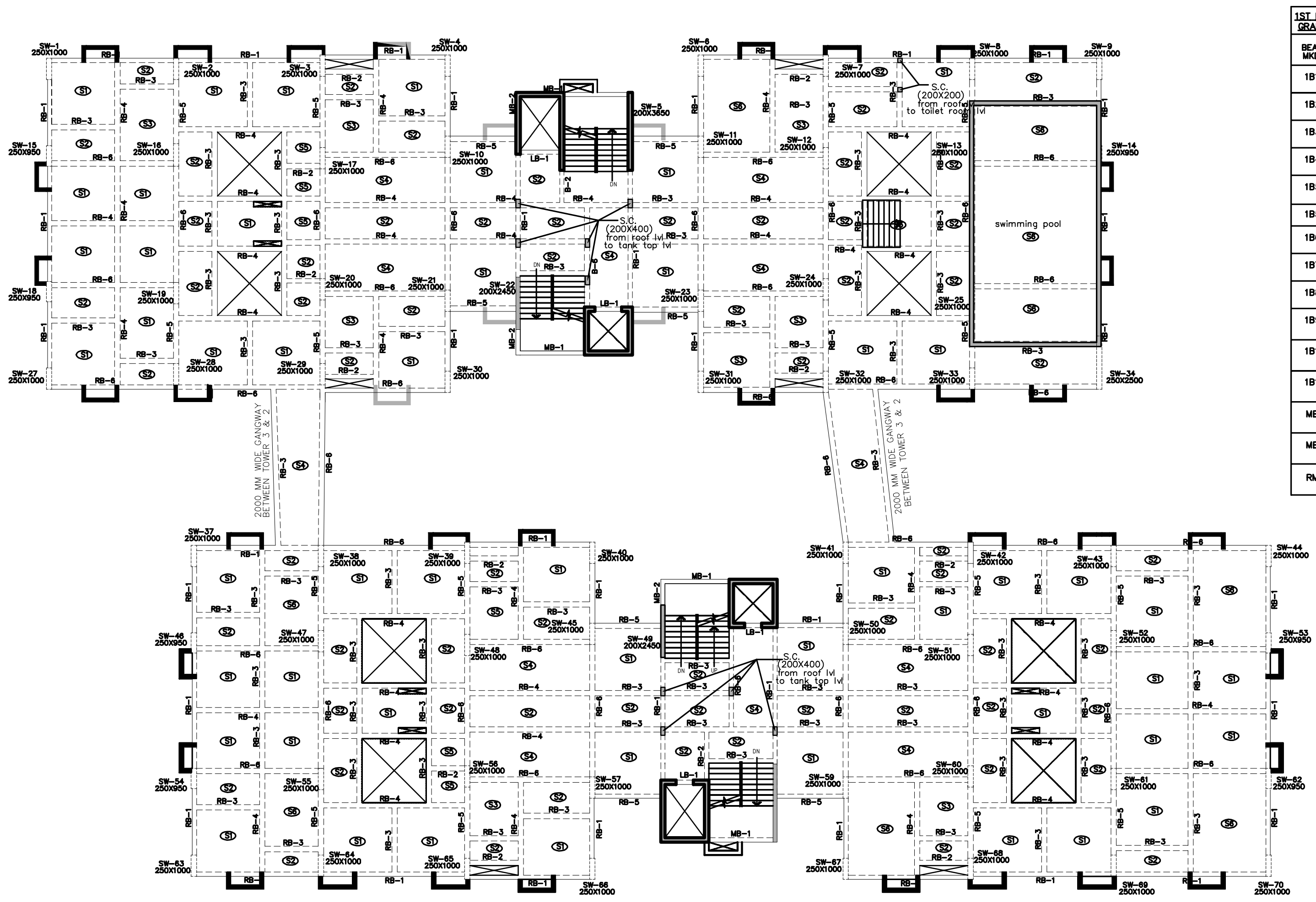


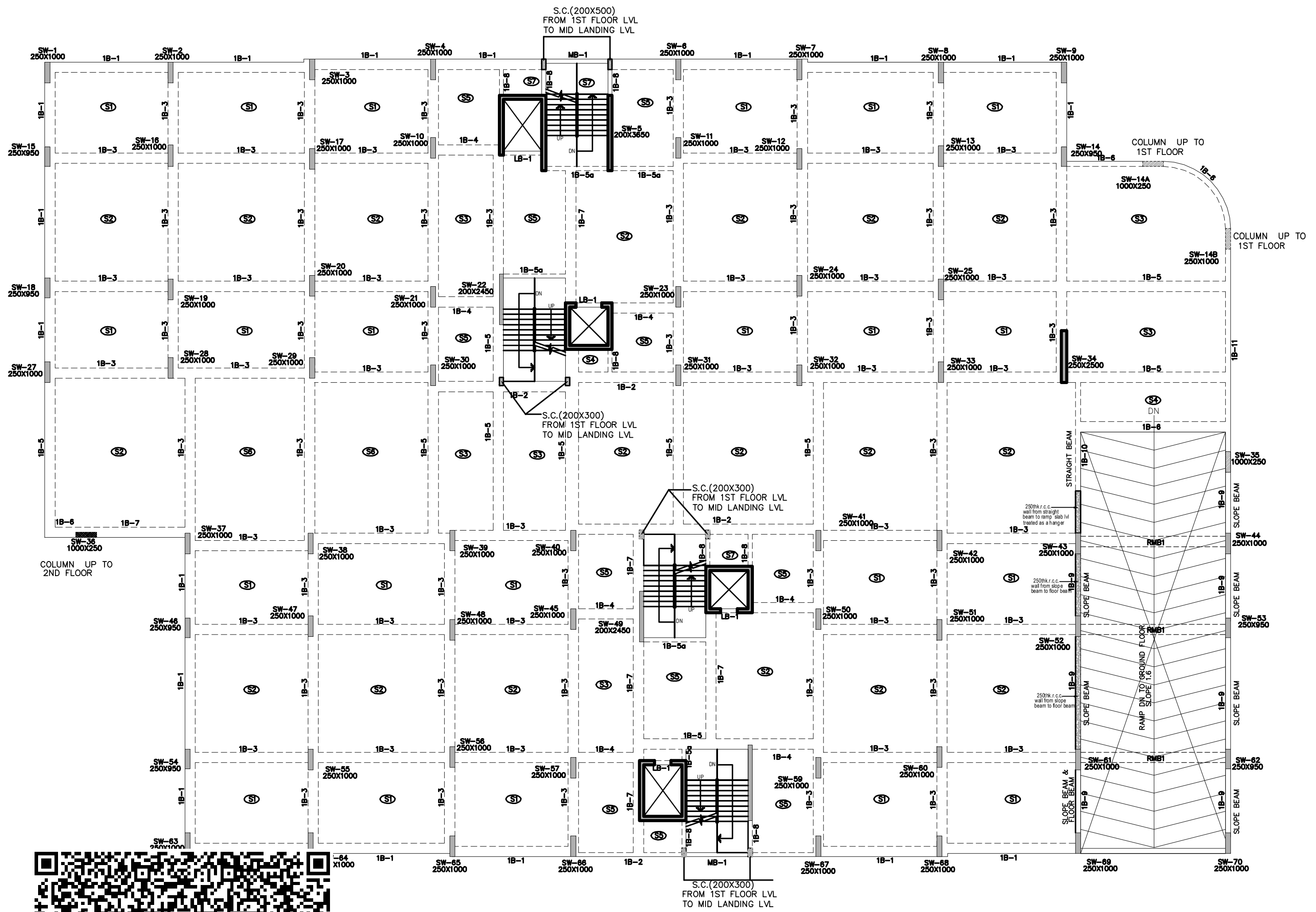
TYPICAL FLOOR BEAM LAYOUT
TOWER-2



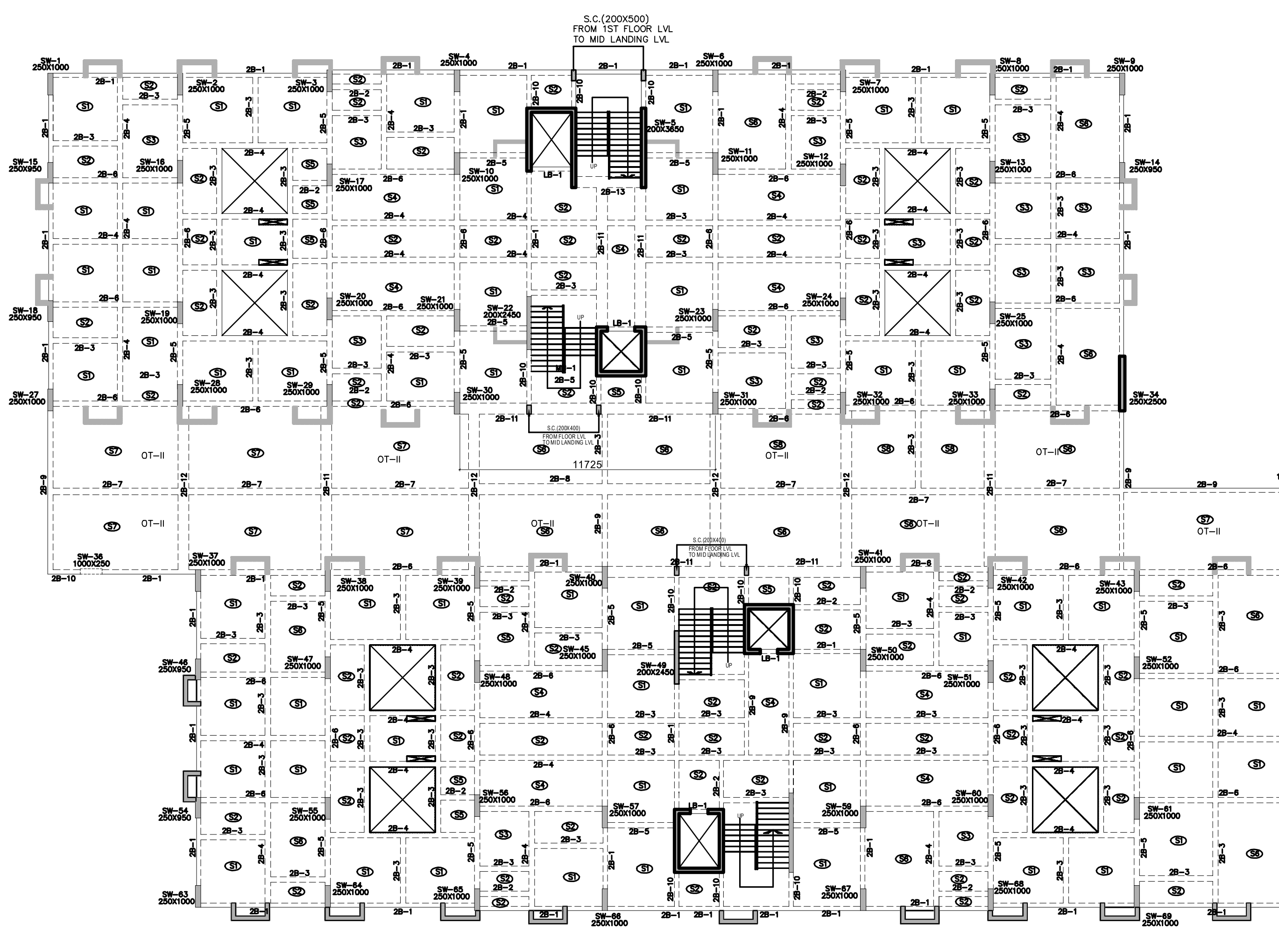
TYPICAL FLOOR BEAM LAYOUT
TOWER-3



ROOF BEAM LAYOUT
TOWER-2 & 3



1ST FLOOR BEAM LAYOUT
TOWER-2 & 3



2ND FLOOR BEAM LAYOUT
TOWER-2 & 3

1ST FLOOR BEAM SCHEDULE
GRADE OF CONCRETE – M30

BEAM MKD.	BEAM SIZE WIDE	BEAM SIZE DEPTH	REINFT. AT SUPPT. TOP	REINFT. AT SUPPT. BOTTOM	REINFT. AT SPAN TOP	REINFT. AT SPAN BOTTOM	STIRRUPS AT SUPPORT	STIRRUPS AT SPAN
1B1	500	500	3-16TOR+ 2-16TOR	3-16TOR	3-16TOR+ 2-16TOR	3-16TOR	4L-8TOR@100C/C	4L-8TOR@200C/C
1B2	500	500	4-16TOR	4-16TOR	4-16TOR	4-16TOR	4L-8TOR@100C/C	4L-8TOR@200C/C
1B3	500	500	6-16TOR	3-16TOR	3-16TOR	6-16TOR	4L-8TOR@100C/C	4L-8TOR@200C/C
1B4	500	500	6-16TOR	4-16TOR	6-16TOR	4-16TOR	4L-8TOR@150C/C	4L-8TOR@150C/C
1B5	500	500	8-25TOR	6-25TOR	4-25TOR	6-25TOR	4L-8TOR@150C/C	4L-8TOR@150C/C
1B5a	200	500	2-16TOR	2-16TOR	2-16TOR	2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
1B6	500	500	5-16TOR	4-20TOR	5-16TOR	4-20TOR+ 4-20TOR	4L-8TOR@150C/C	4L-8TOR@150C/C
1B7	500	500	7-20TOR	5-16TOR	7-20TOR	5-16TOR	4L-8TOR@150C/C	4L-8TOR@150C/C
1B8	200	500	2-16TOR	2-16TOR	2-16TOR	2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
1B9	250	500	4-16TOR+ 3-16TOR	3-16TOR	4-16TOR+ 3-16TOR	3-16TOR+ 2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
1B10	250	500	3-20TOR+ 3-20TOR	4-16TOR+ 2-16TOR	3-20TOR+ 3-20TOR	4-16TOR+ 2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
1B11	250	900	3-25TOR+ 3-25TOR+ 2-25TOR	3-20TOR	3-25TOR	3-20TOR+ 2-20TOR+ 2-20TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
MB1	200	500	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
MB2	200	500	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
RMB1	500	500	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2L-8TOR@100C/C	2L-8TOR@200C/C

2ND FLOOR BEAM SCHEDULE
GRADE OF CONCRETE – M30

BEAM MKD.	BEAM SIZE WIDE	BEAM SIZE DEPTH	REINFT. AT SUPPT. TOP	REINFT. AT SUPPT. BOTTOM	REINFT. AT SPAN TOP	REINFT. AT SPAN BOTTOM	STIRRUPS AT SUPPORT	STIRRUPS AT SPAN
2B1	200	750	3-16TOR+ 2-16TOR	2-16TOR	3-16TOR	3-16TOR+ 2-12TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
2B2	250	500	2-16TOR	2-16TOR	2-16TOR	2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
2B3	250	500	2-16TOR	2-16TOR	2-16TOR	2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
2B4	250	500	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
2B5	250	500	3-16TOR	2-16TOR	3-16TOR	2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
2B6	250	500	3-20TOR+ 2-20TOR	3-16TOR	3-20TOR	3-16TOR+ 2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
2B7	300	500	3-20TOR+ 2-16TOR	3-16TOR	3-20TOR	3-16TOR+ 2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
2B8	500	500	4-20TOR+ 4-20TOR	4-20TOR	4-20TOR	4-20TOR	4L-8TOR@100C/C	4L-8TOR@200C/C
2B9	200	750	2-20TOR+ 2-20TOR	3-16TOR	2-20TOR	3-16TOR+ 2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
2B10	200	750	3-16TOR+ 2-16TOR	3-16TOR+ 2-16TOR	3-16TOR+ 2-16TOR	3-16TOR+ 2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
2B11	500	500	5-20TOR	5-16TOR	5-20TOR	5-16TOR	4L-8TOR@100C/C	4L-8TOR@200C/C
2B12	500	500	5-20TOR	5-16TOR	5-20TOR	5-16TOR	4L-8TOR@100C/C	4L-8TOR@200C/C
2B13	500	500	5-16TOR	5-16TOR	5-16TOR	5-16TOR	4L-8TOR@100C/C	4L-8TOR@200C/C
MB1	200	500	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
MB2	200	500	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
TB1	250	500	3-16TOR	3-16TOR	3-16TOR	3-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C

TYPICAL FLOOR BEAM SCHEDULE
GRADE OF CONCRETE – M30

BEAM MKD.	BEAM SIZE WIDE	BEAM SIZE DEPTH	REINFT. AT SUPPT. TOP	REINFT. AT SUPPT. BOTTOM	REINFT. AT SPAN TOP	REINFT. AT SPAN BOTTOM	STIRRUPS AT SUPPORT	STIRRUPS AT SPAN
B1	200	750	3-16TOR+ 2-16TOR	2-16TOR	3-16TOR	3-16TOR+ 2-12TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
B2	250	500	2-16TOR	2-16TOR	2-16TOR	2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
B3	250	500	2-16TOR	2-16TOR	2-16TOR	2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
B4	250	500	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
B5	250	500	3-16TOR	2-16TOR	3-16TOR	2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
B6	250	500	3-20TOR+ 2-20TOR	3-16TOR	3-20TOR	3-16TOR+ 2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
B7	300	500	3-20TOR+ 2-16TOR	3-16TOR	3-20TOR	3-16TOR+ 2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
B8	500	500	4-20TOR+ 4-20TOR	4-20TOR	4-20TOR	4-20TOR	4L-8TOR@100C/C	4L-8TOR@200C/C
B9	200	750	2-20TOR+ 2-20TOR	3-16TOR	2-20TOR	3-16TOR+ 2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
B10	200	750	3-16TOR+ 2-16TOR	3-16TOR+ 2-16TOR	3-16TOR+ 2-16TOR	3-16TOR+ 2-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
B11	500	500	5-20TOR	5-16TOR	5-20TOR	5-16TOR	4L-8TOR@100C/C	4L-8TOR@200C/C
B12	500	500	5-20TOR	5-16TOR	5-20TOR	5-16TOR	4L-8TOR@100C/C	4L-8TOR@200C/C
MB1	200	500	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
MB2	200	500	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
FRB1	250	1200	3-20TOR+ 3-20TOR+ 2-20TOR	3-16TOR	3-20TOR+ 3-20TOR+ 2-20TOR	3-16TOR+ 3-16TOR	2L-10TOR@100C/C	2L-10TOR@100C/C
FRB2	250	1000	3-20TOR+ 3-20TOR+ 2-20TOR	3-16TOR	3-20TOR+ 3-20TOR+ 2-16TOR	3-16TOR+ 2-16TOR	2L-10TOR@100C/C	2L-10TOR@100C/C
FRB3	250	500	2-16TOR+ 1-12TOR	2-16TOR+ 1-12TOR	2-16TOR	2-16TOR+ 1-12TOR	2L-8TOR@100C/C	2L-8TOR@200C/C
FRB4	250	500	2-16TOR	2-16TOR	2-16TOR	2-16TOR	2L-8TOR@200C/C	2L-8TOR@200C/C
FRB5	250	500	2-16TOR	2-16TOR	2-16TOR	2-16TOR	2L-8TOR@200C/C	2L-8TOR@200C/C
TB1	250	500	3-16TOR	3-16TOR	3-16TOR	3-16TOR	2L-8TOR@100C/C	2L-8TOR@200C/C

1ST FLOOR SLAB SCHEDULE
GRADE OF CONCRETE – M30

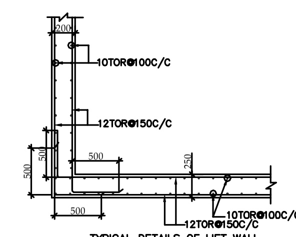
SLAB MKD.	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	150	8TOR@350C/C(BOTT. ST.) 8TOR@350C/C(BOTT. CUT.) 8TOR@175C/C(TOP.)	8TOR@400C/C(BOTT. ST.) 8TOR@400C/C(BOTT. CUT.) 8TOR@200C/C(TOP.)
S2	200	10TOR@350C/C(BOTT. ST.) 10TOR@350C/C(BOTT. CUT.) 8TOR@175C/C(TOP.)	10TOR@400C/C(BOTT. ST.) 10TOR@400C/C(BOTT. CUT.) 8TOR@200C/C(TOP.)
S3	150	8TOR@300C/C(BOTT. ST.) 8TOR@300C/C(BOTT. CUT.) 8TOR@150C/C(TOP.)	8TOR@400C/C(BOTT. ST.) 8TOR@400C/C(BOTT. CUT.) 8TOR@200C/C(TOP.)
S4	150	8TOR@150C/C(BOTT.) 8TOR@150C/C(TOP.)	8TOR@200C/C(BOTT.) 8TOR@200C/C(TOP.)
S5	150	8TOR@350C/C(BOTT. ST.) 8TOR@350C/C(BOTT. CUT.) 8TOR@175C/C(TOP.)	8TOR@400C/C(BOTT. ST.) 8TOR@400C/C(BOTT. CUT.) 8TOR@200C/C(TOP.)
S6	200	10TOR@350C/C(BOTT. ST.) 10TOR@350C/C(BOTT. CUT.) 8TOR@175C/C(TOP.)	10TOR@400C/C(BOTT. ST.) 10TOR@400C/C(BOTT. CUT.) 8TOR@200C/C(TOP.)
S7	150	8TOR@150C/C(BOTT.) 8TOR@150C/C(TOP.)	8TOR@200C/C(BOTT.) 8TOR@200C/C(TOP.)

2ND FLOOR SLAB SCHEDULE
GRADE OF CONCRETE – M30

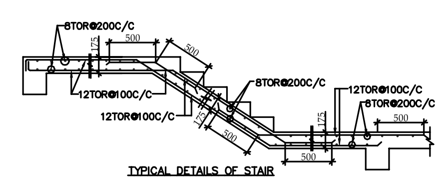
SLAB MKD.	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	125	8TOR@350C/C(BOTT. ST.) 8TOR@350C/C(BOTT. CUT.) 8TOR@175C/C(TOP.)	8TOR@350C/C(BOTT. ST.) 8TOR@350C/C(BOTT. CUT.) 8TOR@175C/C(TOP.)
S2	125	8TOR@150C/C(BOTT.) 8TOR@150C/C(TOP.)	8TOR@200C/C(BOTT.) 8TOR@200C/C(TOP.)
S3	125	8TOR@150C/C(BOTT.) 8TOR@150C/C(TOP.)	8TOR@350C/C(BOTT. ST.) 8TOR@350C/C(BOTT. CUT.) 8TOR@175C/C(TOP.)
S4	150	8TOR@150C/C(BOTT.) 8TOR@150C/C(TOP.)	8TOR@200C/C(BOTT.) 8TOR@200C/C(TOP.)
S5	150	10TOR@350C/C(BOTT. ST.) 10TOR@350C/C(BOTT. CUT.) 8TOR@175C/C(TOP.)	8TOR@400C/C(BOTT. ST.) 8TOR@400C/C(BOTT. CUT.) 8TOR@200C/C(TOP.)
S6	175	10TOR@350C/C(BOTT. ST.) 10TOR@350C/C(BOTT. CUT.) 8TOR@175C/C(TOP.)	10TOR@400C/C(BOTT. ST.) 10TOR@400C/C(BOTT. CUT.) 8TOR@200C/C(TOP.)
S7	175	10TOR@300C/C(BOTT. ST.) 10TOR@300C/C(BOTT. CUT.) 8TOR@150C/C(TOP.)	10TOR@400C/C(BOTT. ST.) 10TOR@400C/C(BOTT. CUT.) 8TOR@200C/C(TOP.)
S8	150	8TOR@400C/C(BOTT. ST.) 8TOR@400C/C(BOTT. CUT.) 8TOR@200C/C(TOP.)	8TOR@400C/C(BOTT. ST.) 8TOR@400C/C(BOTT. CUT.) 8TOR@200C/C(TOP.)

TYPICAL FLOOR SLAB SCHEDULE
GRADE OF CONCRETE – M30

SLAB MKD.	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	125	8TOR@350C/C(BOTT. ST.) 8TOR@350C/C(BOTT. CUT.) 8TOR@175C/C(TOP.)	8TOR@350C/C(BOTT. ST.) 8TOR@350C/C(BOTT. CUT.) 8TOR@175C/C(TOP.)
S2	125	8TOR@150C/C(BOTT.) 8TOR@150C/C(TOP.)	8TOR@200C/C(BOTT.) 8TOR@200C/C(TOP.)
S3	125	8TOR@150C/C(BOTT.) 8TOR@150C/C(TOP.)	8TOR@350C/C(BOTT. ST.) 8TOR@350C/C(BOTT. CUT.) 8TOR@175C/C(TOP.)
S4	150	8TOR@150C/C(BOTT.) 8TOR@150C/C(TOP.)	8TOR@200C/C(BOTT.) 8TOR@200C/C(TOP.)
S5	150	10TOR@350C/C(BOTT. ST.) 10TOR@350C/C(BOTT. CUT.) 8TOR@175C/C(TOP.)	8TOR@400C/C(BOTT. ST.) 8TOR@400C/C(BOTT. CUT.) 8TOR@200C/C(TOP.)
S6	200	10TOR@200C/C(BOTT. ST.) 10TOR@200C/C(BOTT. CUT.) 10TOR@100C/C(TOP.)	10TOR@300C/C(BOTT. ST.) 10TOR@300C/C(BOTT. CUT.) 10TOR@150C/C(TOP.)



TYPICAL DETAILS OF LIFT WALL



TYPICAL DETAILS OF STAIR

NOTES:-

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 1:6 CEMENT MORTAR.
4. THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
5. ALL GRADE OF CONCRETE M30
6. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
7. FOR STEEL GRADE Fe 500 AS PER I.S 1786-1979.
8. ALL DISTRIBUTION BARS ARE 8Ø@ 250 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
9. ALL CHAIRS ARE 10Ø AND TO BE PROVIDED WHEREVER REQUIRED.
10. ALL SPACER BARS ARE 25Ø@ 300 C/C 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 CLASSBRICK IN 1:6 CEMENT MORTAR.
13. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT 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 COPED OR USED WITHOUT THEIR WRITTEN PERMISSION.

1 Aswini Sales Private Limited
2 Champion Suppliers Private Limited
3 Conception Commercial Private Limited
4 Diagram Sales Private Limited
5 Durgamata Vintrade Private Limited
6 Highlight Commercial Private Limited
7 Khaitan Land Limited
8 Limestone Sales Private Limited
9 Meridian Vintrade Private Limited
10 Pioneer Marbles & Interiors Private Limited
11 Pioneer Online Limited
12 Prudent Infrarealty Private Limited
13 Rameshwar Sales Private Limited
14 Ravindra Khaitan (H.U.F.)
15 Recreate Traders Private Limited
16 Saptarshi Tradelink Private Limited
17 Seabird Barter Private Limited
18 Seabird Dealers Private Limited
19 Wrinkle Tracom Private Limited

NAME OF OWNERS

Declaration of Architect

I do hereby certify that the building plans, elevations, sections and other structural details of the proposed building under the jurisdiction of Rajpur-Sonarpur Municipality have been prepared in conforming with all relevant provisions under the West Bengal Municipal (Building) Rules,2007.This also to certify that relevant 'no objection' certificates from the respective authorities such as Fire and Emergency Service Department , Airport Authority, Pollution Control Board, Telecommunication Department etc. as applicable in this regard, are also enclosed with the application for seeking approval of the plan to construct / reconstruct/addition to alteration of the building .

SANJAY MANDAL
LICENCE NO. 707/RIPSON/LBA/2011-12
M: 9903060016
NAME OF ARCHITECT

Declaration of Structural Engineer

I do hereby certify that the foundation and superstructure of the building proposed for construction under the jurisdiction of Rajpur-Sonarpur Municipality have been personally inspected and so designed by me will make such foundation and superstructure safe in all respect including the 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.

SANJIV J. PAREKH
LICENCE NO: 018/RIPSON/ESE
NAME OF STRUCTURAL ENGINEER

ALOK ROY
LICENCE NO: 008/RIPSON/GTE
NAME OF GEO TECHNICAL ENGINEER

Declaration of Structural Reviewer

I do hereby certify that the building site proposed for construction under the jurisdiction of Rajpur-Sonarpur Municipality have been visited by me and all the designs, drawings, Soil Test Report and Load Test Results for foundation and superstructure have been duly reviewed conforming to stipulations of all latest relevant IS Code of Practice and National Building Code and it is found that everything is completely in order and the proposed foundation and superstructure are safe in all respect.

SANJIB GUHA
LICENCE NO: 101/RIPSON/STRUCTURE REVIEWER
M: 9830499360
NAME OF STRUCTURE REVIEWER

PROJECT

PROPOSED 3 NOS G+XII STORIED RESIDENTIAL BUILDING AT HOLDING NO. - 528, SRIPUR BAGHERKHOL (A) IN WARD NO. 33, UNDER RAJPUR SONARPUR MUNICIPALITY, R.S. & L.R. DAG NOS.- 1627 (P), 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1638 (P), 1639, 2299, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2319 & 2320, UNDER L.R. KHATIAN NOS. 9506, 9505, 9504, 9503, 9502, 9501, 9500, 9499, 9498, 9497, 9496, 9495, 9483, 9482, 9481, 9480, 9479, 9478, 9477, 9476, 9475, 9474, 9473, 9438, 9437, 9436, 9435, 9434, 9431, 9418, 9414, 9413, 9412, 9411, 9410, 9397, 9227, 9226, 6718, 6701, 6700, 6699, 6698, 6697, 6696, 6695, 6694, 6693, 6692, 6691, 6690, 6689, 6675, 6674 & 9609 IN MOUZA - BONHOOGHLY, J.L. NO. - 65; AND R.S. DAG NO. - 1180 CORRESPONDING L.R. DAG NO. 1752 UNDER L.R. KHATIAN NOS. 4482, 4585, 4586, 4587, 4595, 4596, 4597, 4598, 4599, 4600, 4601, 4602, 4603, 4604, 4605, 4730, 4731, 4732 & 4733 IN MOUZA - SRIPUR BAGHERGHOLE, J.L. NO.-59, P.S.- NARENDRAPUR (OLD SONARPUR), DIST. - 24 PARGANAS (SOUTH), KOLKATA - 700 103, WEST BENGAL.

TITLE :
CORPORATION DRAWING
[TOWER-2&3]

ARCHITECT :-
INNATE
26/2 Ballygunge Circular Road ,
Udayan Park Flat No.-7, 3rd Floor, Kolkata-700019
FAX : (033) 2289-4026.
www.innateindia.com
TEL : (033) 4000-6422-26

STRUCTURAL ENGINEERS
S.P.A.CONSULTANTS
34, RAM MOHAN DUTTA ROAD
CALCUTTA - 700020 .
PH. NO 2485-5448/9, 2475-7614
E-mail spa_cons@yahoo.co.in

DRAWN BY -	CHECKED BY	DATE -	SCALE:
HEMANTA		24.09.24.	1:100,25
JOB NO.	2024 / 96	INNETE / 34	PRUDENT ANTARA
DRG. NO.	2024 / 96/ INNET / 34 / PRUDENT ANTARA/ CS-02(T-2&3)		