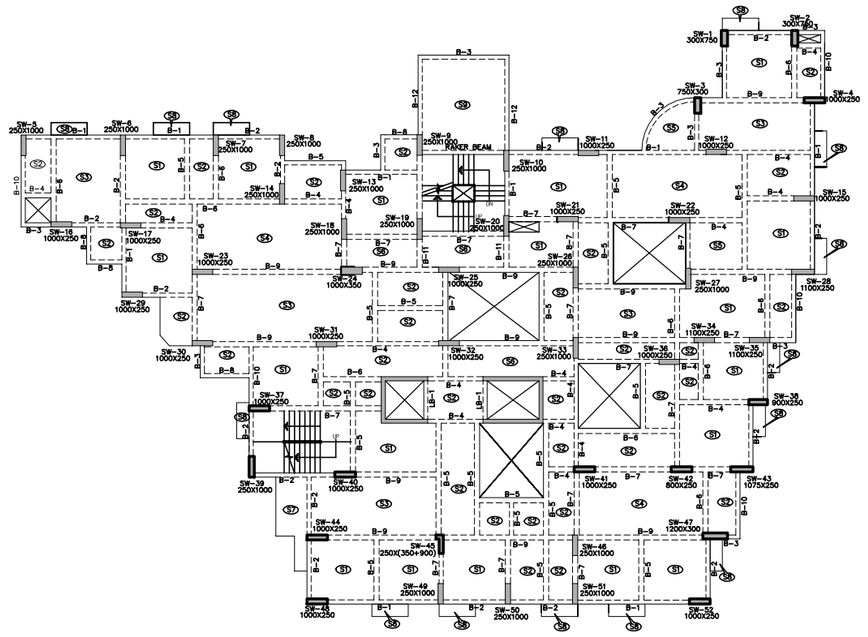
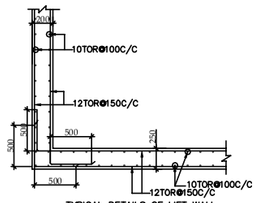


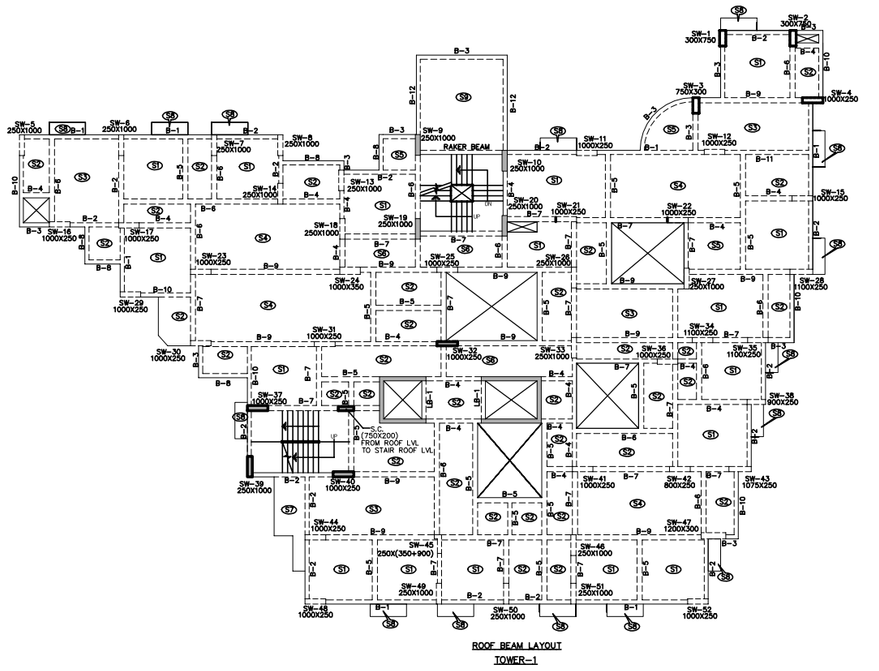
TYPICAL FLOOR BEAM LAYOUT
TOWER-1

| ALL FLOOR BEAM SCHEDULE<br>GRADE OF CONCRETE – M30 | | | | | | | |
|---|---|---|---|---|---|---|---|
| BEAM MKD. | BEAM SIZE WIDE | DEPTH | REINFT. AT SUPPT. TOP | REINFT. AT SUPPT. BOTTOM | REINFT. AT SPAN TOP | REINFT. AT SPAN BOTTOM | STIRRUPS AT SUPPORT | STIRRUPS AT SPAN |
| B1 | 250 | 750 | 2–16TOR | 2–16TOR | 2–16TOR | 2–16TOR | 2L–8TOR@100C/C | 2L–8TOR@200C/C |
| B2 | 250 | 750 | 2–16TOR | 2–16TOR | 2–16TOR | 2–16TOR | 2L–8TOR@100C/C | 2L–8TOR@200C/C |
| B3 | 200 | 750 | 2–16TOR | 2–16TOR | 2–16TOR | 2–16TOR | 2L–8TOR@100C/C | 2L–8TOR@200C/C |
| B4 | 200 | 500 | 2–16TOR | 2–16TOR | 2–16TOR | 2–16TOR | 2L–8TOR@100C/C | 2L–8TOR@200C/C |
| B5 | 250 | 500 | 2–16TOR | 2–16TOR | 2–16TOR | 2–16TOR | 2L–8TOR@100C/C | 2L–8TOR@200C/C |
| B6 | 250 | 500 | 2–16TOR | 2–16TOR | 2–16TOR | 2–16TOR | 2L–8TOR@100C/C | 2L–8TOR@200C/C |
| B7 | 250 | 500 | 3–16TOR | 2–16TOR+ 1–12TOR | 3–16TOR | 2–16TOR+ 1–12TOR | 2L–8TOR@100C/C | 2L–8TOR@200C/C |
| B8 | 200 | 750 | 2–16TOR | 2–16TOR | 2–16TOR | 2–16TOR | 2L–8TOR@100C/C | 2L–8TOR@200C/C |
| B9 | 250 | 500 | 2–16TOR+ 1–12TOR | 3–16TOR | 2–16TOR+ 1–12TOR | 2–16TOR+ 1–12TOR | 2L–8TOR@100C/C | 2L–8TOR@200C/C |
| B10 | 200 | 750 | 2–16TOR | 2–16TOR | 2–16TOR | 2–16TOR | 2L–8TOR@100C/C | 2L–8TOR@200C/C |
| B11 | 250 | 500 | 3–16TOR | 2–16TOR+ 1–12TOR | 3–16TOR | 2–16TOR+ 1–12TOR | 2L–8TOR@100C/C | 2L–8TOR@200C/C |
| B12 | 250 | 750 | 3–20TOR+ 3–20TOR | 3–20TOR+ 3–20TOR | 3–20TOR+ 3–20TOR | 2–16TOR | 2L–10TOR@100C/C | 2L–10TOR@200C/C |
| LB1 | 200 | 500 | 2–16TOR | 2–16TOR | 2–16TOR | 2–16TOR | 2L–8TOR@100C/C | 2L–8TOR@200C/C |
| MB1 | 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 |
| RAKER BEAM | 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 |
| TB1 | 250 | 500 | 3–16TOR | 3–16TOR | 3–16TOR | 3–16TOR | 2L–8TOR@100C/C | 2L–8TOR@200C/C |

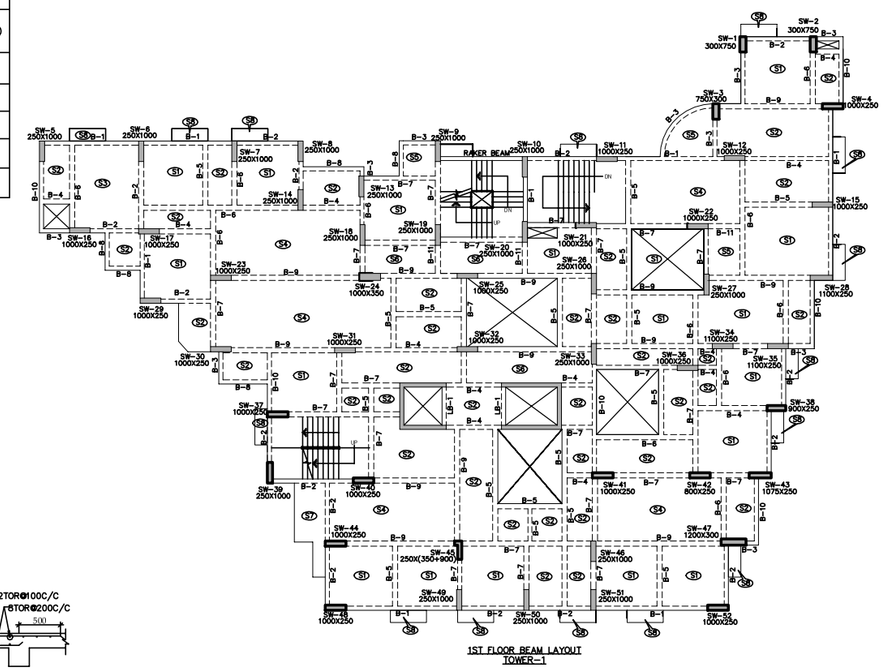
| FLOOR SLAB SCHEDULE<br>GRADE OF CONCRETE – M30 | | | |
|---|---|---|---|
| SLAB MKD. | DEPTH | REINFT. AT SHORTER SPAN | REINFT. AT LONGER SPAN |
| S1 | 125 | 8TOR@350C/C(BOTT. ST.)<br>8TOR@350C/C(BOTT. CUT.)<br>8TOR@175C/C(TOP.) | 8TOR@350C/C(BOTT. ST.)<br>8TOR@350C/C(BOTT. CUT.)<br>8TOR@175C/C(TOP.) |
| S2 | 125 | 8TOR@150C/C(BOTT.)<br>8TOR@150C/C(TOP.) | 8TOR@200C/C(BOTT.)<br>8TOR@200C/C(TOP.) |
| S3 | 125 | 8TOR@200C/C(BOTT.)<br>8TOR@150C/C(TOP.) | 8TOR@400C/C(BOTT. ST.)<br>8TOR@400C/C(BOTT. CUT.)<br>8TOR@200C/C(TOP.) |
| S4 | 150 | 8TOR@300C/C(BOTT. ST.)<br>8TOR@300C/C(BOTT. CUT.)<br>8TOR@150C/C(TOP.) | 8TOR@400C/C(BOTT. ST.)<br>8TOR@400C/C(BOTT. CUT.)<br>8TOR@200C/C(TOP.) |
| S5 | 150 | 8TOR@200C/C(BOTT.)<br>8TOR@150C/C(TOP.) | 8TOR@200C/C(BOTT.)<br>8TOR@150C/C(TOP.) |
| S6 | 150 | 8TOR@150C/C(BOTT.)<br>8TOR@200C/C(TOP.) | 8TOR@150C/C(BOTT.)<br>8TOR@200C/C(TOP.) |
| S7 | 150 | 8TOR@150C/C(BOTT.)<br>8TOR@200C/C(TOP.) | 8TOR@150C/C(BOTT.)<br>8TOR@200C/C(TOP.) |
| S8 | 150 | 8TOR@150C/C(BOTT.)<br>8TOR@200C/C(TOP.) | 8TOR@150C/C(BOTT.)<br>8TOR@200C/C(TOP.) |
| S9 | 200 | 10TOR@150C/C(BOTT.)<br>10TOR@200C/C(TOP.) | 10TOR@200C/C(BOTT.)<br>10TOR@200C/C(TOP.) |



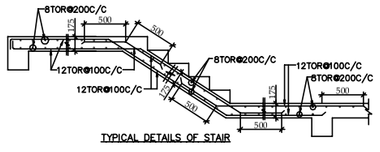

TYPICAL DETAILS OF LIFT WALL



ROOF BEAM LAYOUT
TOWER-1



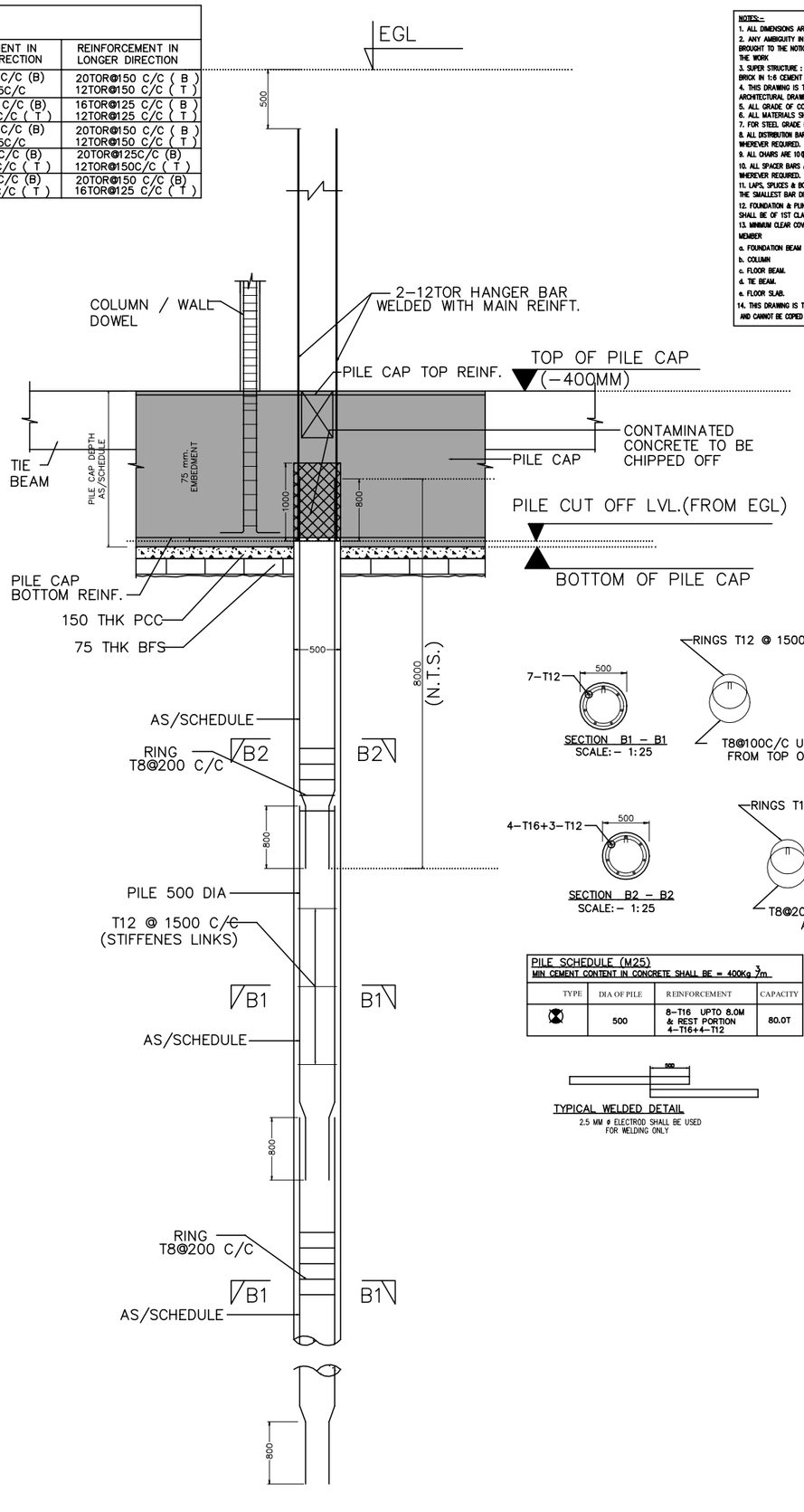
1ST FLOOR BEAM LAYOUT
TOWER-1



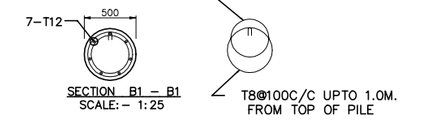

TYPICAL DETAILS OF STAIR

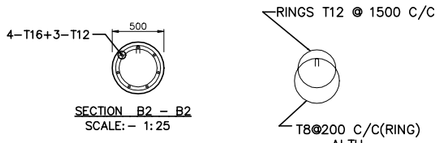
| COLUMN SCHEDULE(TOWER–2&3)<br>GRADE OF CONCRETE – M30 | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10TH FLOOR TO ROOF LVL | 8–T20 + 8–T16 | 8–T20 + 4–T16 | 8–T16 + 4–T12 | 8–T16 + 4–T12 | 8–T16 + 4–T12 | 8–T20 + 4–T16 | 14–T16 | 18–T16 | 14–T16 | 18–T16 | 18–T20 | 22–T16 | 18–T16 | 22–T20 | 22–T16 | 22–T20 | 22–T16 | 16–T16 | 20–T20 | 20–T16 | 26–T16 | | |
| 7TH FLOOR TO 10TH LVL | 8–T20 + 8–T16 | 8–T20 + 4–T16 | 8–T16 + 4–T12 | 8–T16 + 4–T12 | 8–T16 + 4–T12 | 8–T20 + 4–T16 | 14–T16 | 18–T16 | 14–T16 | 18–T16 | 18–T20 | 22–T16 | 18–T16 | 22–T20 | 22–T16 | 22–T20 | 22–T16 | 16–T16 | 20–T20 | 20–T16 | 26–T16 | | |
| 4TH FLOOR TO 7TH LVL | 8–T20 + 8–T16 | 8–T20 + 4–T16 | 8–T20 + 4–T16 | 8–T20 + 4–T16 | 8–T16 + 4–T12 | 8–T25 + 4–T20 | 14–T16 | 18–T16 | 14–T20 | 18–T16 | 18–T20 | 22–T16 | 18–T16 | 22–T20 | 10–T20+12–T16 | 22–T20 | 22–T16 | 16–T16 | 20–T20 | 20–T16 | 26–T16 | | |
| 1ST FLOOR LVL TO 4TH FLOOR | 8–T20 + 8–T16 | 8–T25 + 4–T16 | 8–T20 + 4–T16 | 8–T20 + 4–T16 | 8–T16 + 4–T12 | 8–T25 + 4–T20 | 14–T16 | 18–T20 | 14–T20 | 18–T16 | 18–T20 | 22–T20 | 10–T20+8–T16 | 22–T20 | 10–T20+12–T16 | 22–T25 | 22–T20 | 16–T16 | 20–T20 | 20–T16 | 26–T16 | | |
| FOUNDATION TO 1ST FL. LVL | 16–T20 | 12–T25 | 8–T20 + 4–T16 | 12–T20 | 12–T16 | 12–T25 | 14–T16 | 18–T20 | 14–T25 | 18–T16 | 18–T20 | 22–T20 | 10–T20+8–T16 | 22–T25 | 10–T20+12–T16 | 22–T25 | 22–T20 | 16–T16 | 20–T20 | 20–T16 | 26–T16 | | |
| COL SIZE | 300X750 | 250X1000 | 250X1000 | 250X1000 | 250X1000 | 250X1000 | 250X1000 | 250X1000 | 250X1000 | 250X1000 | 250X1000 | 350X1000 | 250X1000 | 250X1000 | 250X1000 | 250X1000 | 250X1100 | 250X800 | 1075X250 | 250X(350+900) | 1200X300 | | |
| LINK | 8 TOR @ 100C/C AT CONFINING ZONE & 8 TOR @ 200 C/C AT CENTRAL ZONE | | | | | | | | | | | | | | | | | | | | | | |
| SHEAR WALL MKD | SW1SW2,SW3 | SW4 | SW5,SW39,SW48 SW52 | SW6 | SW7,SW8, SW10,SW11 | SW9,SW12 | SW13,SW14,SW46 | SW15,C28 | SW16,SW29,SW30 SW44,SW35 | SW17,C34 | SW18,SW19,SW20 SW21,SW22,SW23 SW49,SW50,SW51 | SW24 | SW25,SW26,SW27 | SW31,SW33 SW40,SW41 | SW32 | SW37,SW38,SW44 | SW35 | SW42 | SW43 | SW45 | SW47 | | |

| PILE CAP SCHEDULE (M25) CONSIDERING LIFT PIT(–1800MM) FROM +600MM LVL | | | | | | |
|---|---|---|---|---|---|---|
| TYPE | DIA OF PILE | SIZE | DEPTH OF PILE CAP | CUT–OFF LVL FROM E.G.L. | REINFORCEMENT IN SHORTER DIRECTION | REINFORCEMENT IN LONGER DIRECTION |
| 2P | 500 | 1100X2300 | 1000 | (–1325MM) | 16TOR@150 C/C (B)<br>4L–T10@125C/C | 20TOR@150 C/C ( B )<br>12TOR@150 C/C ( T ) |
| 3P | 500 | AS/DRG. | 1000 | (–1325MM) | 16TOR@125 C/C (B)<br>12TOR@125C/C ( T ) | 16TOR@125 C/C ( B )<br>12TOR@125 C/C ( T ) |
| 3AP | 500 | AS/DRG. | 1000 | (–1325MM) | 16TOR@150 C/C (B)<br>4L–T10@125C/C | 20TOR@150 C/C ( B )<br>12TOR@150 C/C ( T ) |
| 7P | 500 | AS/DRG. | 1200 | (–1525MM) | 20TOR@125C/C (B)<br>12TOR@125C/C ( T ) | 20TOR@125C/C (B)<br>12TOR@150C/C ( T ) |
| 12P | 500 | 6050X4200 | 1200 | (–2325MM) | 20TOR@125C/C (B)<br>16TOR@125C/C ( T ) | 20TOR@150 C/C (B)<br>16TOR@125 C/C ( T ) |




TYPICAL DETAIL OF 500 ø PILE

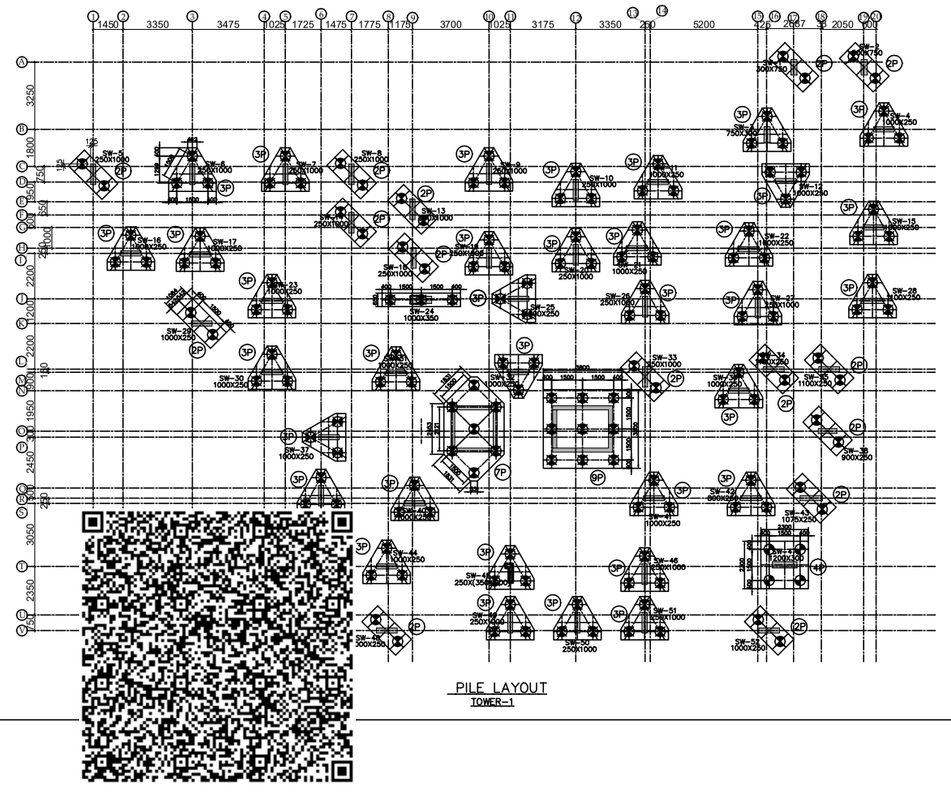


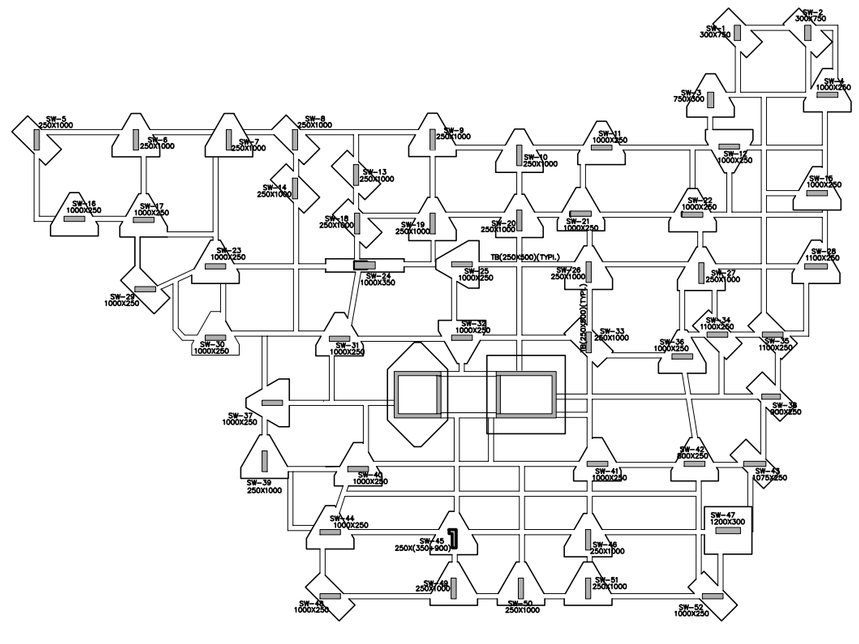

| PILE SCHEDULE (M25)<br>MIN CEMENT CONTENT IN CONCRETE SHALL BE = 400Kg /m³ | | | |
|---|---|---|---|
| TYPE | DIA OF PILE | REINFORCEMENT | CAPACITY |
| | 500 | 8–T16 UPTO 8.0M & REST PORTION 4–T16+4–T12 | 80.0T |



TYPICAL WELDED DETAIL
2.5 MM ø ELECTROD SHALL BE USED FOR WELDING ONLY



PILE LAYOUT
TOWER-1



TIE BEAM LAYOUT(–400MM LVL)

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 CHAMFERS ARE 10 BEND TO BE PROVIDED WHEREVER REQUIRED.
10. ALL STIRRUP BARS ARE 2L–8ø 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 COPIED 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 Winkle Tracon 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/RP/SON/LBA/2011-12
M: 990 3060016
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: 010/RPSON/ESE
NAME OF STRUCTURAL ENGINEER

ALOK ROY
LICENCE NO: 008/RPSON/GTE
NAME OF GEOTECHNICAL 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/RPSON/STRUCTURE REVIEWER
M: 9830439163
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–1]

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| DRAWN BY – HEMANTA | CHECKED BY | DATE – 24.09.24. | SCALE: 1:100,25 |
|---|---|---|---|
| JOB NO. | 2024 | 96 INNET 34 | PRUDENT ANTARA |
| DRG. NO. | 2024 / 96/ INNET / 34 / PRUDENT ANTARA/ CS-01(T-1) | | |