

I/WE DO HEREBY CERTIFY THAT THE FOUNDATION AND SUPER STRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION AT HOLDING NO. 841, DWARH ROAD, WARD NO. 25, UNDER THE JURISDICTION OF RAIPUR SONARPUR MUNICIPALITY HAS BEEN PERSONALLY INSPECTED AND SO SUCH FOUNDATION AND SUPERSTRUCTURE INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL IS TAKEN UP ON CONCRETE SURFACE. HOWEVER THIS DOES NOT DEVOLVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR GETTING THE REQUIRED STRENGTH OF CONCRETE.

JISHNU PAUL
G.T/1/152
SIGNATURE OF GEOTECHNICAL ENGINEER

I/WE DO HEREBY CERTIFY THAT THE BUILDING SITE PROPOSED FOR CONSTRUCTION AT HOLDING NO. 841, DWARH ROAD, WARD NO. 25, UNDER THE JURISDICTION OF RAIPUR SONARPUR MUNICIPALITY HAS BEEN PERSONALLY INSPECTED AND SO SUCH FOUNDATION AND SUPERSTRUCTURE INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL IS TAKEN UP ON CONCRETE SURFACE. HOWEVER THIS DOES NOT DEVOLVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR GETTING THE REQUIRED STRENGTH OF CONCRETE.

SARBANI MAZUMDER
COA REG NO. 92/15458
E.B.A. NO-055
UNDER RAIPUR SONARPUR MUNICIPALITY
SIGNATURE OF E.B.A.

1. GENERAL

- 1.1 ALL DIMENSIONS ARE IN S.I UNITS.
- 1.2 WORK TO FIGURED DIMENSIONS AND DO NOT SCALE THE DRAWING.
- 1.3 ALL STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICE DRAWINGS.
- 1.4 ANY DISCREPANCY IN THE DRAWING SHALL BE BROUGHT TO THE NOTICE OF CONSULTANTS BEFORE COMMENCING THE WORK.
- 1.5 THE - 0.00 LEVEL OF THE PROJECT REFERS TO ARCHITECTURAL DRAWING.
- 1.6 CLAY BRICK AS ALL BRICK WALL

2. DESIGN CRITERIA

- STANDARDS AND LOADS**
- 2.1 THE CONCRETE DESIGN IS BASED ON IS: 456-2000.
 - 2.2 LOADS ARE BASED ON IS : 875
 - i) DEAD LOAD AS PER DRAWING.
 - ii) FLOOR FINISH: 125kg/sqm
 - iii) NO LANDSCAPE LOAD ON THE TERRACE
 - iv) EQUIPMENT LOADS AS PER ARCHITECTURAL/SERVICES DRG.
 - 2.3 WIND LOADS ARE BASED ON IS/875 PART III AND ARE AS FOLLOWS:
 - i) LIVE LOAD - 200kg/sqm or 300kg/sqm as per DBR
 - ii) BASIC WIND SPEED 50 M/SEC
 - iii) ZONE : III
 - iv) ZONE FACTOR : 0.16
 - v) IMPORTANCE FACTOR : 1.20

3. CONCRETE

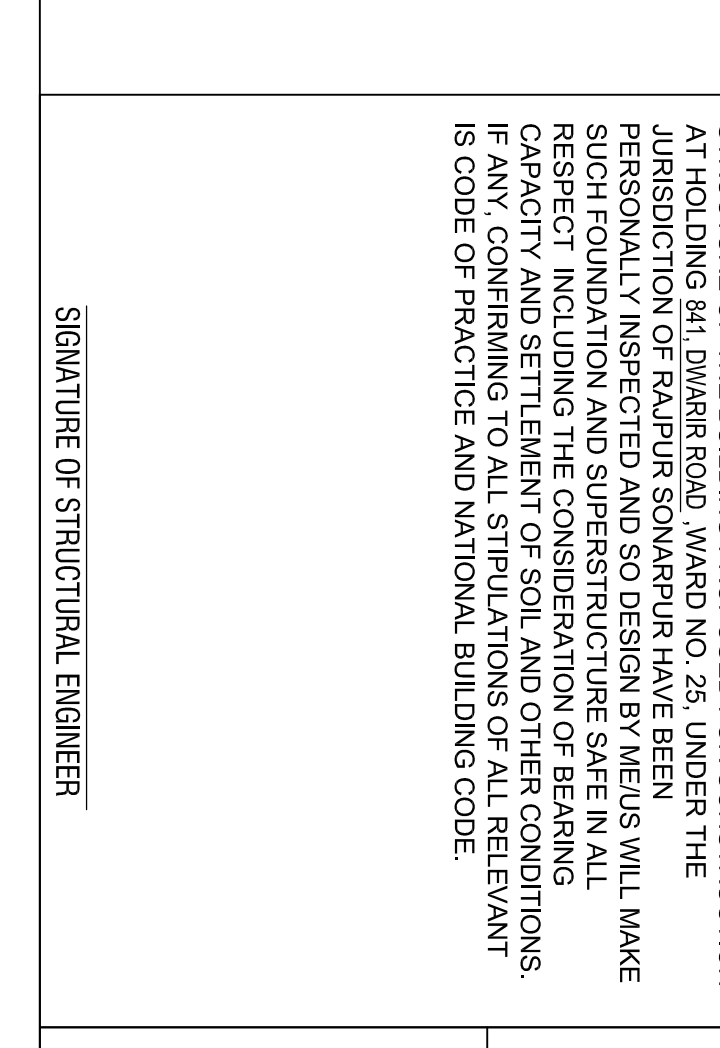
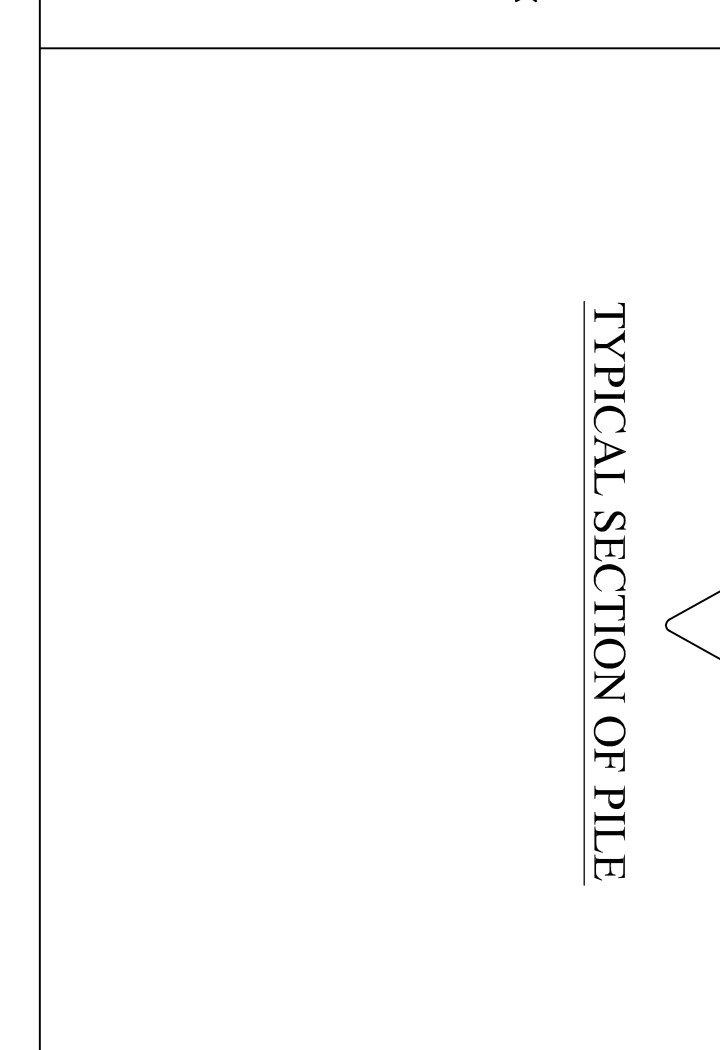
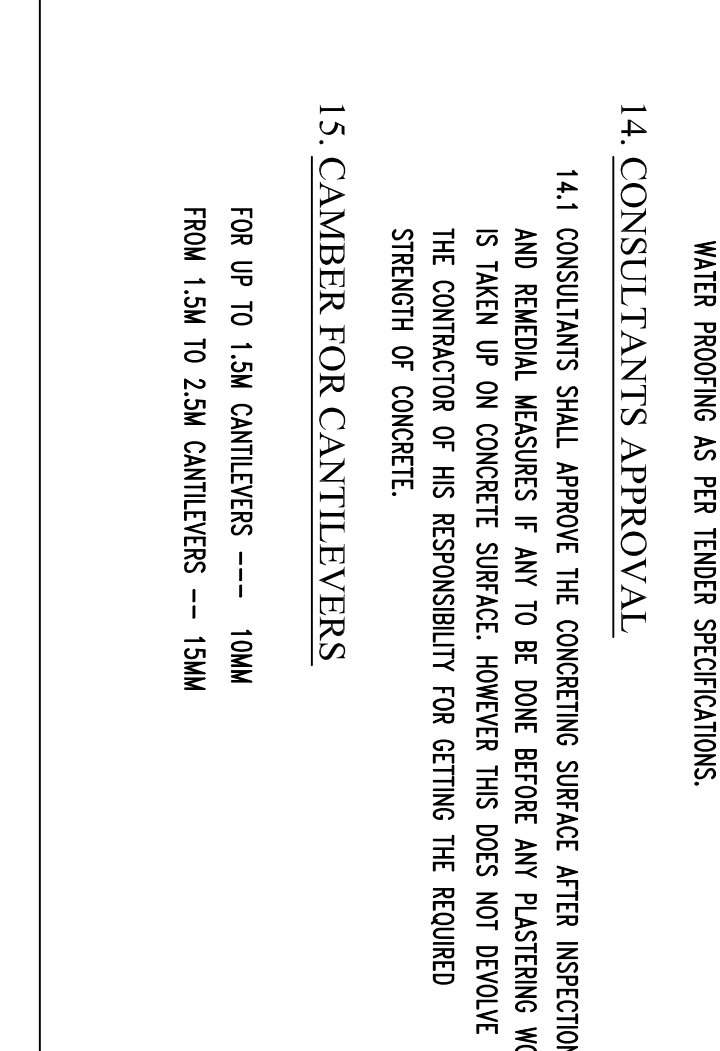
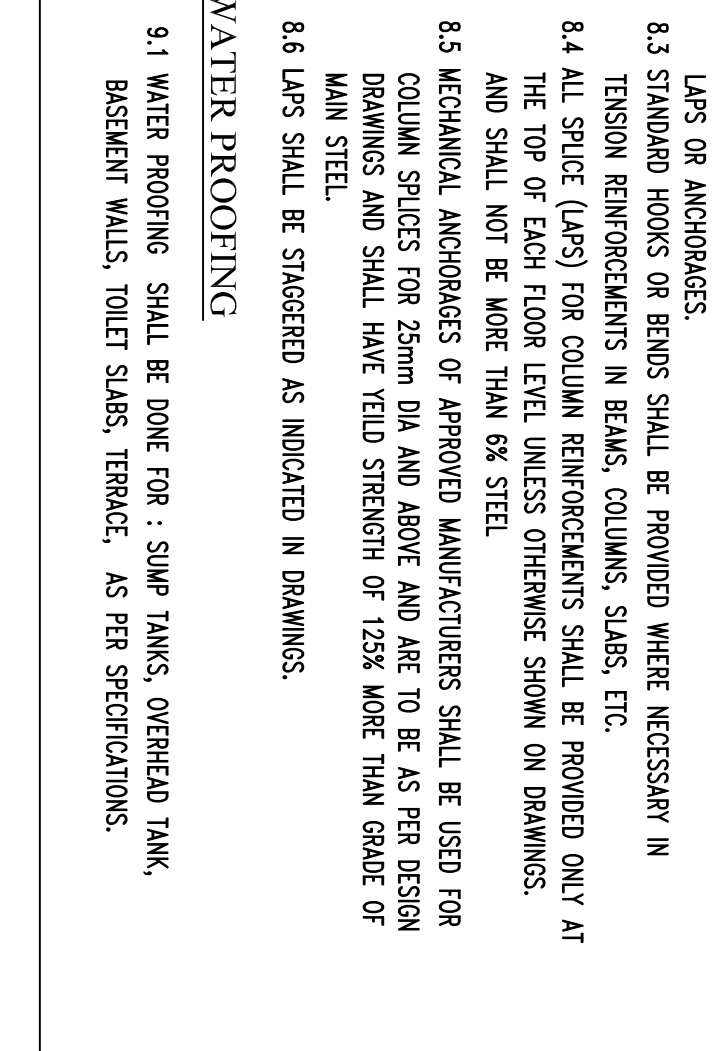
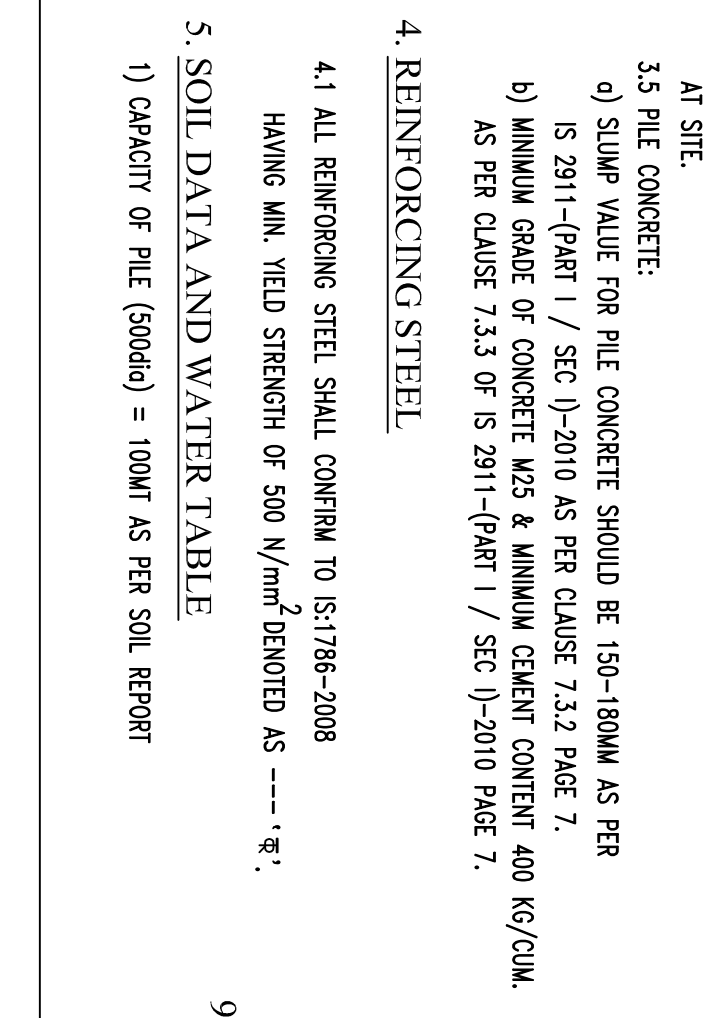
- 3.1 GRADE OF CONCRETE
 - a) PILE & PILE CAP - M25
 - b) COLUMN - M25
 - c) BEAM & SLAB - M25
 - d) STAR - M25
- 3.2 MAXIMUM SIZE OF AGGREGATE SHALL PREFERABLY BE 20mm AND SHALL BE GRADED
- 3.3 PLAIN CEMENT CONCRETE SHALL HAVE CURE STRENGTH OF 15 N/mm² AT 28 DAYS.
- 3.4 ALL CONCRETE SHALL BE OF DESIGN MIX AND ARE TO BE OBTAINED FROM REPUTED TESTING LABORATORIES AND APPROVED BY CONSULTANTS. THE MATERIALS THAT ARE PROPOSED TO BE USED IN THE PROJECT SHALL BE TESTED AND TEST CERTIFICATE FURNISHED BEFORE USE OF MATERIAL AT SITE.
- 3.5 PILE CONCRETE:
 - a) SLUMP VALUE FOR PILE CONCRETE SHOULD BE 150-180MM AS PER IS 2911-(PART I / SEC I)-2010 AS PER CLAUSE 7.3.2 PAGE 7.
 - b) MINIMUM GRADE OF CONCRETE M25 & MINIMUM CEMENT CONTENT 400 KG/CM³ AS PER CLAUSE 7.3.3 OF IS 2911-(PART I / SEC I)-2010 PAGE 7.

4. REINFORCING STEEL

- 4.1 ALL REINFORCING STEEL SHALL CONFORM TO IS:1786-2008 HAVING MIN. YIELD STRENGTH OF 500 N/mm² DENOTED AS ---[®] ;
- 4.2 LAPS FOR REINFORCEMENT IN COMPRESSION SHALL BE ACCOUNTED ONLY AS STRAIGHT LENGTHS AND NO HOOKS OR BENDS ARE ACCOUNTED FOR COMPRESSION LAPS OR ANCHORAGES.
- 4.3 STANDARD HOOKS OR BENDS SHALL BE PROVIDED WHERE NECESSARY IN TENSION REINFORCEMENTS IN BEAMS, COLUMNS, SLABS, ETC.
- 4.4 ALL SPICES (LAPS) FOR COLUMN REINFORCEMENTS SHALL BE PROVIDED ONLY AT THE TOP OF EACH FLOOR LEVEL UNLESS OTHERWISE SHOWN ON DRAWINGS. AND SHALL NOT BE MORE THAN 6x STEEL
- 4.5 MECHANICAL ANCHORAGES OF APPROVED MANUFACTURERS SHALL BE USED FOR COLUMN SPICES FOR 25mm DIA AND ABOVE AND ARE TO BE AS PER DESIGN DRAWINGS AND SHALL HAVE YIELD STRENGTH OF 125% MORE THAN GRADE OF MAIN STEEL.
- 4.6 LAPS SHALL BE STAGGERED AS INDICATED IN DRAWINGS.

5. SOIL DATA AND WATER TABLE

- 5.1 CAPACITY OF PILE (500dia) = 100MT AS PER SOIL REPORT
- 5.2 WATER PROOFING SHALL BE DONE FOR : SWMP TANKS, OVERHEAD TANK, BASEMENT WALLS, TOILET SLABS, TERRACE, AS PER SPECIFICATIONS.
- 5.3 WATER PROOFING SHALL BE DONE FOR : SWMP TANKS, OVERHEAD TANK, BASEMENT WALLS, TOILET SLABS, TERRACE, AS PER SPECIFICATIONS.
- 5.4 CAMBER FOR CANTILEVERS --- 10MM FOR UP TO 1.5M CANTILEVERS --- 15MM FROM 1.5M TO 2.5M CANTILEVERS --- 15MM



DECLARATION OF E.B.A.

I/WE DO HEREBY CERTIFY THAT PLANS, ELEVATIONS AND SECTIONS AND OTHER STRUCTURAL DETAILS OF THE PROPOSED BUILDINGS ON HOLDING NUMBER 841, DWARH ROAD, WARD NO. 25, UNDER THE JURISDICTION OF RAIPUR SONARPUR MUNICIPALITY HAVE BEEN PERSONALLY INSPECTED AND SO DESIGN BY MEANS 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, CONCERNING TO ALL SPECIFICATIONS AND NATIONAL IS CODE OF PRACTICE AND NATIONAL BUILDING CODE.

SARBANI MAZUMDER
COA REG NO. 92/15458
E.B.A. NO-055
UNDER RAIPUR SONARPUR MUNICIPALITY
SIGNATURE OF E.B.A.

STRUCTURAL CERTIFICATE

I/WE DO HEREBY CERTIFY THAT THE FOUNDATION AND SUPER STRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION AT HOLDING 841, DWARH ROAD, WARD NO. 25, UNDER THE JURISDICTION OF RAIPUR SONARPUR HAVE BEEN PERSONALLY INSPECTED AND SO DESIGN BY MEANS 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, CONCERNING TO ALL SPECIFICATIONS AND NATIONAL IS CODE OF PRACTICE AND NATIONAL BUILDING CODE.

SARBANI MAZUMDER
COA REG NO. 92/15458
E.B.A. NO-055
UNDER RAIPUR SONARPUR MUNICIPALITY
SIGNATURE OF E.B.A.

PROJECT :-
PROPOSED G+X1 (2 NOS. BLOCK H, 42.95m), STORED RESIDENTIAL BUILDING AT HOLDING NO. 841, DWARH ROAD, MOUNDA - DHAMATALLA, J.L. NO. 75, WARD NO. 25, R.S. KHATIAN-16.50, 190, 139, L.R. KHATIAN-1081, 1053, 1050, 1057, 1090, 1055, 1058, 1096, 1083, 1079, 1054, 1324, 1309, 1313, 1333, 1328, 1321, 1314, 1366, R.S. DAG -122, 123, 124/75, 124/1097/015, 12, L.R. DAG NO.-117-120, 127, 104, 107, 106, 117 TO 114.

P.S. - SONARPUR UNDER RAIPUR SONARPUR MUNICIPALITY, HARIWAL, DIST. - 24, PARGANAS (SOUTH).

NAME OF OWNER : RAGHAV GUPTA AND OTHERS

ARCHITECTS
Sanjivson Associates
Consultant Pvt. Ltd.
CONSULTANT PLANNER & STRUCTURAL ENGINEERS
KANUNDO PARK KOLKATA-84
P-157

STRUCTURAL CONSULTANT :-
ADROIT CONSULTANT
103, PANCHANATALLA ROAD
KOLKATA 700029

DRAWN BY:- SM **DATE:- 03.02.23**
APPROVED BY:- MM **SCALE:- N.T.S**

APPROVAL OF S.A.E
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