



BUILDING PLAN APPROVED
ON THE BASIS OF THE INDEMNITY BOND, LAND MUTATION & CONVERSION IS THE PROPERTY OF THE MUNICIPALITY OF THE CITY OF DURGAPUR

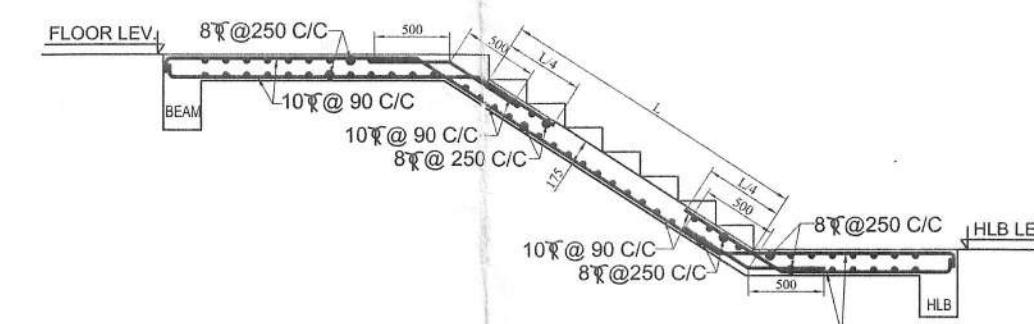
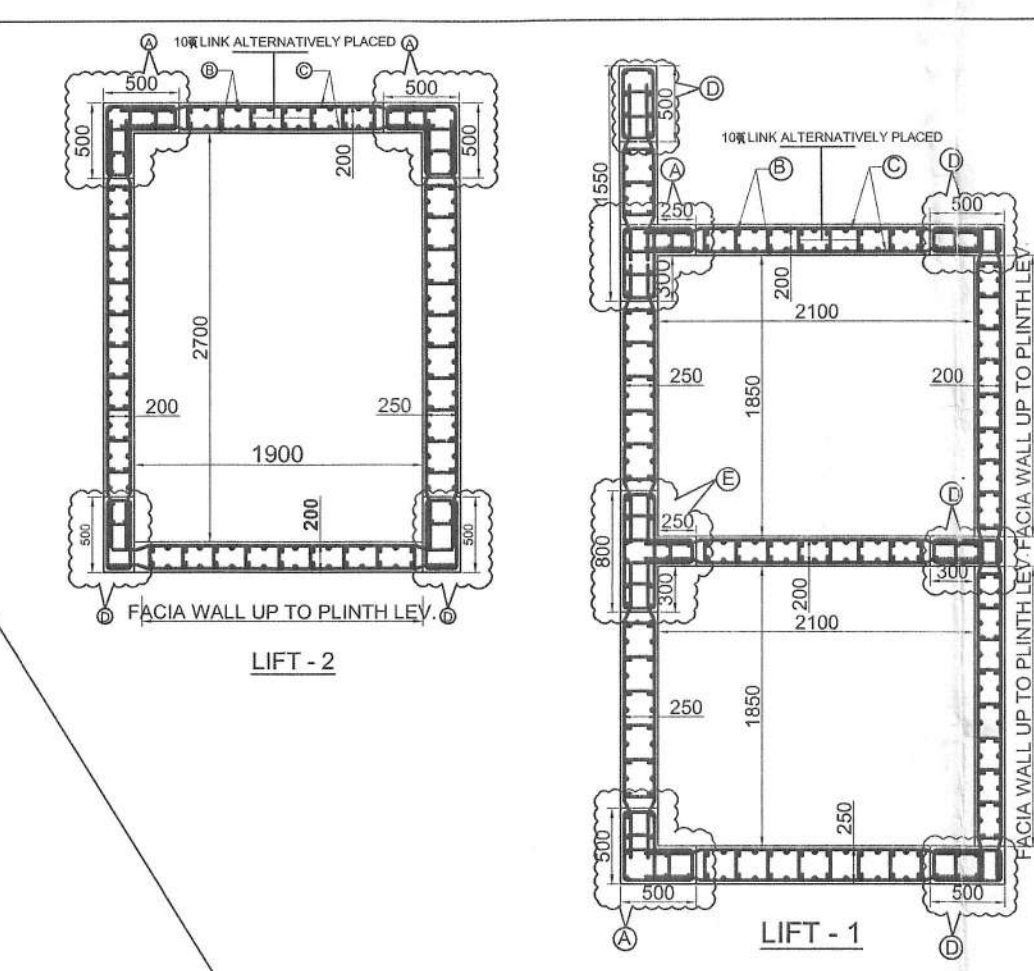
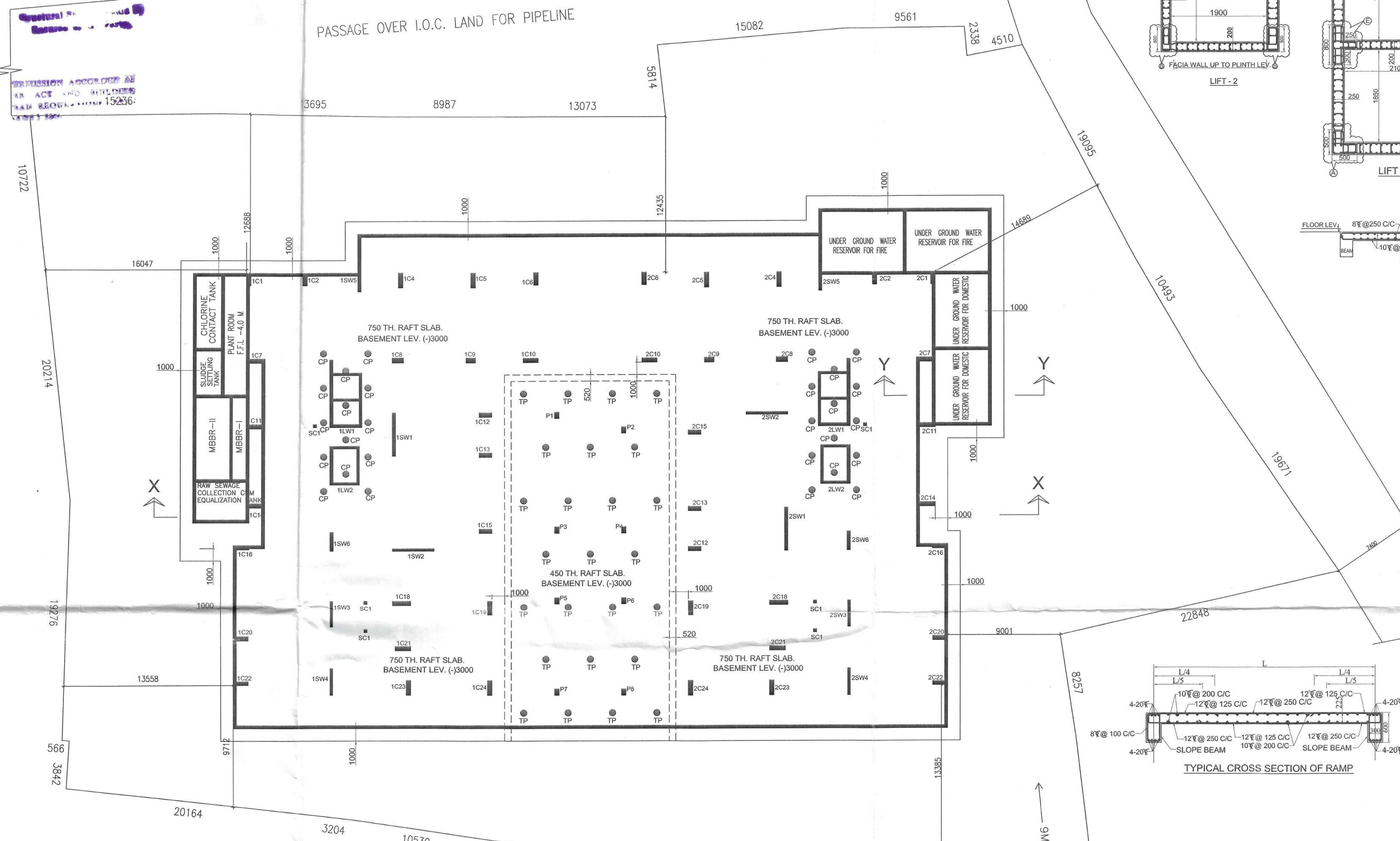
APPROVED

Commissioner
Durgapur Municipal Corporation

SUJOY BANERJEE
Planner-in-Charge, Building Plan

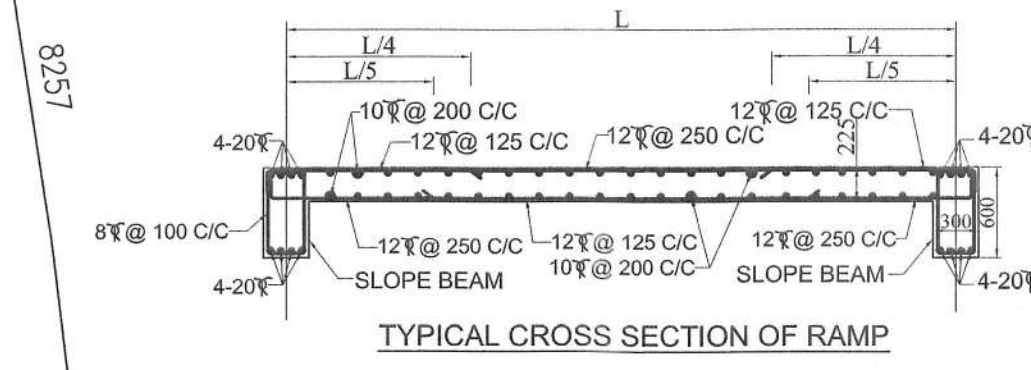
PERMISSION ACCORDED AS PER ACT AND BUILDING PLAN RESOLUTION 15236

PASSAGE OVER I.O.C. LAND FOR PIPELINE



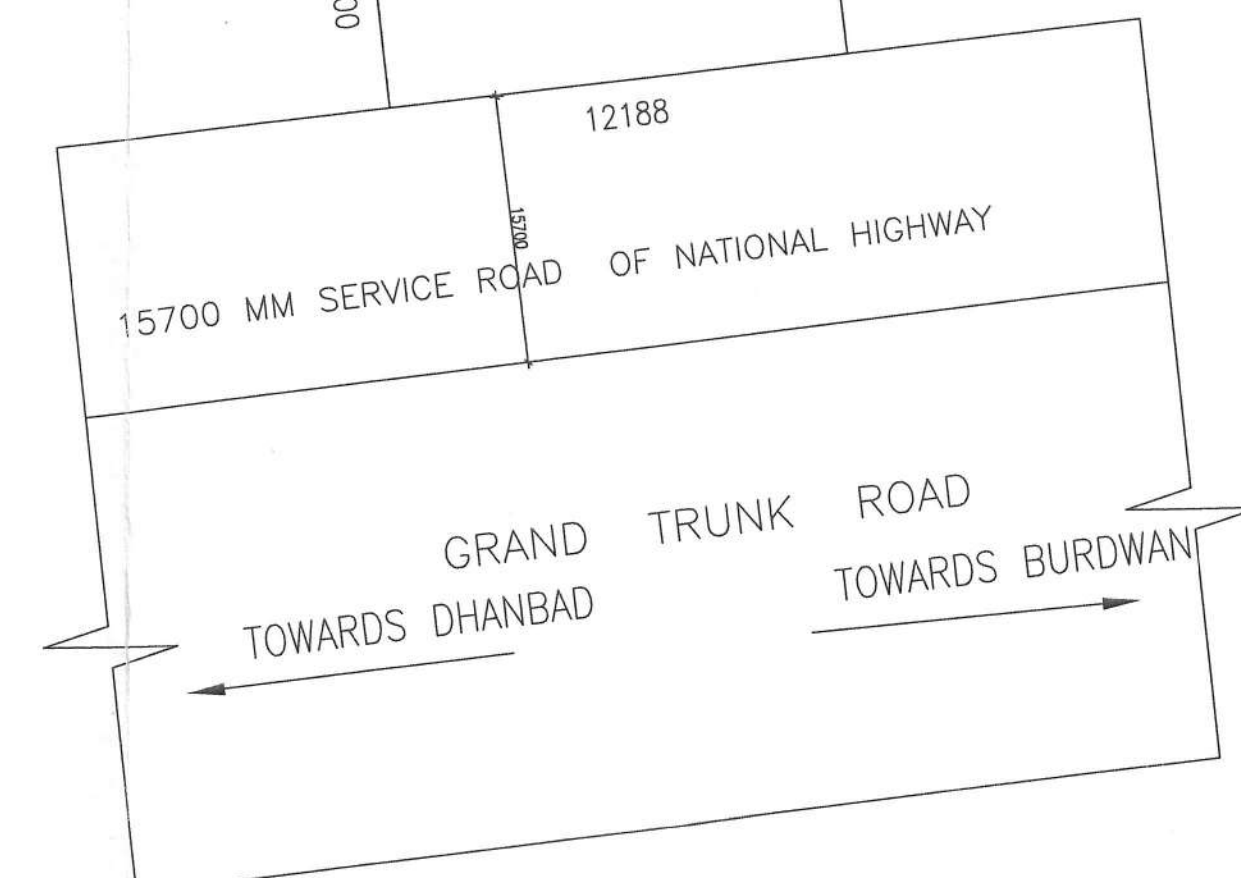
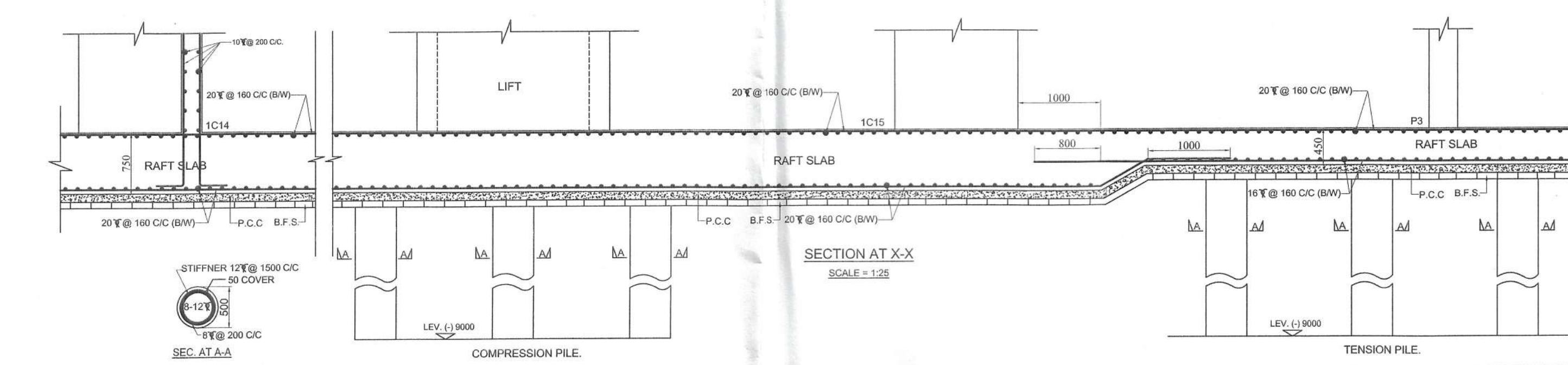
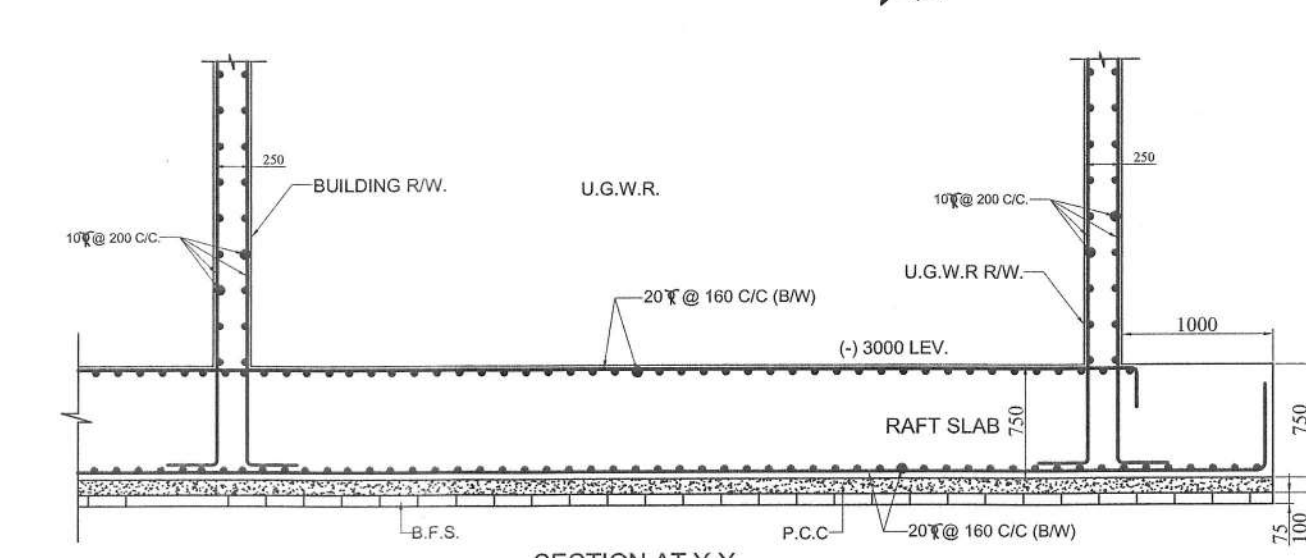
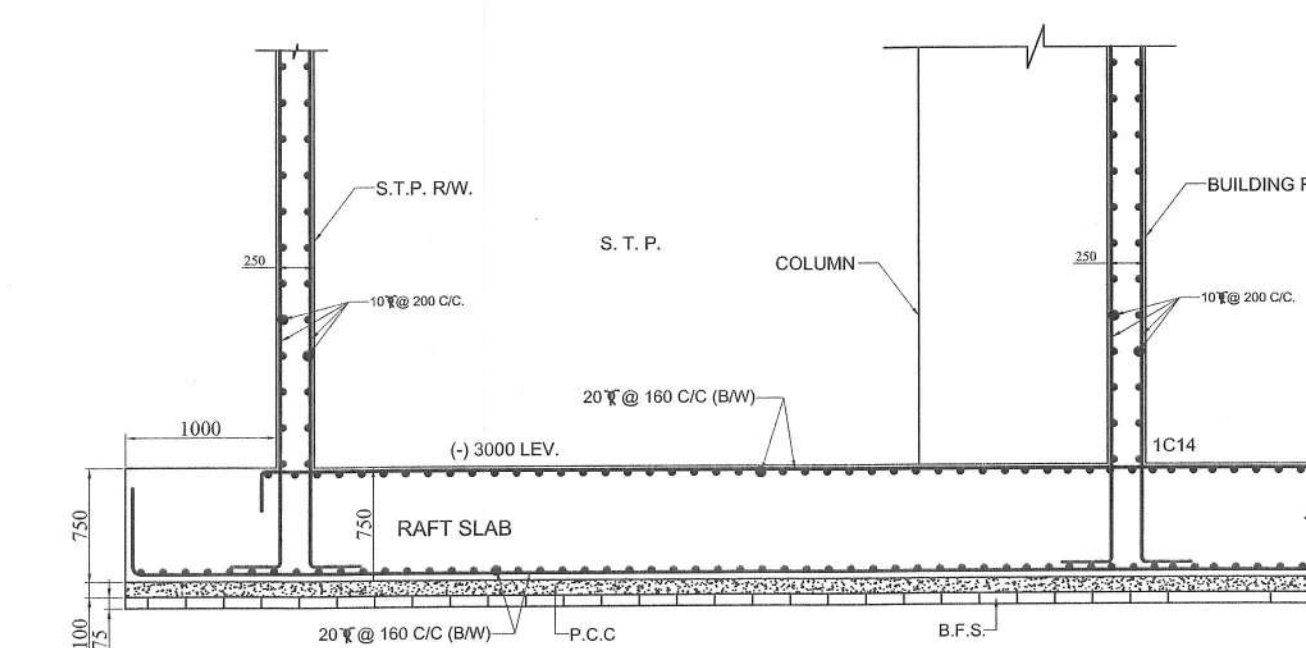
SCHEDULE OF COLUMNS FOR PODIUM

FOUNDATION	TO GR. FL. ROOF	GR. FL. ROOF TO 1ST ROOF	1ST ROOF TO 2ND ROOF	2ND ROOF TO 3RD ROOF
6-25 Φ 4-20	6-25 Φ 4-20	6-25 Φ 4-20	6-25 Φ 4-20	6-25 Φ 4-20
P1, P2, P3, P4, P5, P6, P7, P8	P1, P2, P3, P4, P5, P6, P7, P8	P1, P2, P3, P4, P5, P6, P7, P8	P1, P2, P3, P4, P5, P6, P7, P8	P1, P2, P3, P4, P5, P6, P7, P8



- NOTES :-
- 1) ALL DIAMETERS ARE IN MILLIMETERS.
 - 2) GRADE OF CONC. : ALL DESIGN MIX AS PER IS: 456.
 - 3) I. PILE - M-25, WITH MINIMUM CEMENT CONTENT @ 400 Kg/CUM OF CONC.
 - 4) II. RAFT - M-35.
 - 5) III. COLUMN & LIFT - AS PER SCHEDULE.
 - 6) IV. REST ALL - AS PER COLUMN GRADE AT RESPECTIVE LEVELS.
 - 7) P.C.C SHALL BE DESIGN MIX (M20) AS PER IS: 456.
 - 8) TOR STEEL REINFORCEMENT SHALL CONFORM TO LATEST IS: 1786 WITH YIELD STRESS 500 MPa.
 - 9) CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:-
AS FOLLOWS:-
a) PILE: 40 MM ALL SIDES FROM OUTERMOST MAIN BAR.
b) RAFT: 50 MM ALL SIDES FROM OUTERMOST MAIN BAR.
c) COLUMN: 40 MM ALL SIDES FROM OUTERMOST MAIN BAR.
d) FLOOR BEAM: 30 MM ALL SIDES FROM OUTERMOST MAIN BAR.
e) SLAB: 20 MM ALL SIDES FROM OUTERMOST MAIN BAR.
f) VAULT SLAB: 20 MM ALL SIDES FROM OUTERMOST MAIN BAR.
 - 10) MINIMUM LAP LENGTH -
FOR PILE: 40 Ø WITH 3 SETS LAP WELDING IN BOTH SIDES FOR A LENGTH OF 25MM.
FOR REST: M-35: 40 Ø OF THE BAR.
M-30: 45 Ø OF THE BAR.
M-25: 49 Ø OF THE BAR.
 - 11) MAXIMUM LOAD ON EACH PILE :-
FOR 5000 9 M. TIP PILES - 30 T IN COMPRESSION & 10 T IN TENSION, AS PER THE SOIL INVESTIGATION REPORT PREPARED BY M/S BOSE ENGINEERS
 - 12) SUB-GRADE MODULUS OF SOIL CONSIDERED AS 36000 KNISQ/M AT 3M DEPTH FOR 125MM SETTLEMENT.
 - 13) POSITIONAL ECCENTRICITY OF ANY PILE MORE THAN 50mm, FOR SINGLE PILE, AND 75 mm. FOR GROUP OF PILES SHALL NOT BE PERMITTED.
 - 14) THE PILE HEADS SHALL PROJECT IN TO PILE CAP FOR 50 mm. THE HEADS TO BE NEATLY FORMED TO THE REQUIRED DIA.
 - 15) ALL TIES TO BE SPOT WELDED WITH VERTICAL REINFORCEMENT.
 - 16) BORING OF PILE :-
I. BORING SHOULD BE DONE WITH DMC METHOD AND BENTONITE SUSPENSION SHOULD BE USED (WITH SP. GR. 1.04 TO 1.2 g/cm³ DURING DRILLING AS IS 2911 (PART-I/ SEC 2) CL 3.3.1 IF DMC METHOD APPLIED.
 - 17) II. FOR PLACING OF CONCRETE IN PILE BORES, A FUNNEL SHOULD BE USED AND METHOD OF CONCRETING SHOULD BE SUCH THAT THE ENTIRE VOLUME OF THE PILE SHAFT IS FILLED UP WITHOUT THE FORMATION OF VOIDS OR MIXING OF SOIL AND DRILLING FLUID WITHIN CONCRETE.
 - 18) 13) VERTICAL LOAD TESTING OF PILE SHOULD CONFIRM IS-2911 (PART-4).
 - 19) 14) RCC BORED CAST IN SITU PILE SHOULD CONFIRM IS-2911 (PART-1, SEC-II).
 - 20) 15) EXT. TOP & BOTT. FLOOR BEAM - I) EXT. TOP TO BE PROVIDED AT L4 FROM SUPPORT. SLAB - I) EXT. TOP TO BE PROVIDED IN ALL SUPPORTS FOR A LENGTH OF L4 FROM SUPPORT. II) BOTTOM ROD TO BE ALT. CUT. AT U5 FROM SUPPORT.
 - 21) 16) ALL DRAWINGS SHALL BE CORRELATED WITH ARCHITECTURAL DRAWINGS & ANY DISCREPANCY SHALL BE BROUGHT TO NOTICE OF THE ENGINEER BEFORE EXECUTION.
 - 22) 17) THIS DRAWING TO BE READ ALONGWITH SPECIFICATIONS & ALL REFERENCE DRAWING.
 - 23) 18) ALL THE WORKS SHALL BE DONE AS PER RELEVANT IS CODE PERTAINING TO WORK.
 - 24) 19) CONTRACTOR MUST VERIFY ALL DIMENSION AT SITE BEFORE EXECUTION OF WORK NO CLAIM WILL BE ENTERTAINED. CONTRACTOR SHALL BE RESPONSIBLE TO PROPER LINE AND LEVEL OF STRUCTURE.
 - 25) 20) DESIGN IS BASED ON AS PER IS-456, IS-875, SP-16, IS-1893, IS-2911 & IS-13260.
 - 26) 21) STRUCTURAL DESIGN IS DONE FOR (B+G+XVIII) STORED BUILDING ONLY.
 - 27) 22) SEISMIC ZONE CONSIDERED FOR DESIGN AS ZONE-III & SMRF.

FOUNDATION LAYOUT PLAN. SCALE: 1:200



CERTIFICATE OF GEO-TECHNICAL ENGINEER

UNDERSIGNED HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THEREON. IT IS CERTIFIED THAT THE EXISTING SOIL OF THE SITE IS ABLE TO CARRY THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED HEREIN IS SAFE & STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW.

DR. SUKUMAR BOSE
M.C.E. (Soil), B.C.E. (Hons.)
MIGS, MIRC
Empaneled Geotechnical
Engineer Under KMC
License No.-G.T./1/12

SIGNATURE OF GEOTECH ENGINEER

SIGNATURE OF L.B.S.

1. ENGAGED ARCHITECT AND E.S.E. DURING CONSTRUCTION
2. FOLLOWED THE INSTRUCTIONS OF ARCHITECT AND E.S.E. DURING CONSTRUCTION OF THE BUILDING.
3. K.M.C. AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURE STABILITY OF BUILDING AND ADJOINING STRUCTURE.
4. IF ANY SUBMITTED DOCUMENT IS FOUND TO BE FAKE THE K.M.C. AUTHORITY MAY REVOKE THE SANCTION PLAN.
5. THE CONSTRUCTION OF WATER RESERVOIR AND SEPTIC TANK EXECUTED UNDER THE GUIDANCE OF ARCHITECT & E.S.E.

SUKHSAGAR HIRSE PVT. LTD.

Director/Authorised Signatory

SIGNATURE OF OWNER

CERTIFICATE OF ARCHITECT

THE L.B.A. HAS CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF K.M.C. BLDG. RULES 2009, AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF THE ADJOINING ROAD CONFORM WITH THE PLAN AND IT IS A BUILDABLE SITE AND NOT A TANK OR A FILLED UP TANK.

Rajkumar Agarwal
Architect
Member of Council of
Architecture CA / 94 / 17940
SIGNATURE OF ARCHITECT

CERTIFICATE OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGN OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAVE BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER I.B.C. OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT. THE RECOMMENDATION OF SOIL REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION.

ASHIM KUMAR DAS
Structural Consultant
S.C.E. M.I.E. S.A.S.C.E.
FELLOW INSTITUTE
M-140550-5
ESE-1790 (K.M.C.)

SIGNATURE OF STRUCTURAL ENGINEER

SANJIV J. PAREKH
M.E. (STRUCT.), M.E. (CONST. ENG.)
B.C.E., F.I.P.E. (S.182) (S.4)
ENLISTED STRUCTURAL
REVIEWER-104/13 K.M.C.

SIGNATURE OF STRUCTURAL REVIEWER

ARCHITECT:-
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CALCUTTA - 16
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STRUCTURAL CONSULTANT
ENGINEERS FORUM
60/40/1 H.P. DUTTA LANE (GOLF GARDENS)
KOLKATA - 700033
PH. NO. - 2414-7044, 9874561607
email : engg_forum2005@yahoo.co.in

PROJECT:-
PROPOSED PLAN OF B+G+XVIII STORED (59.05 M. HT.) RESIDENTIAL BUILDING AT HOLDING NO-184N, CW NO.-020, L.R. KHATAN NO-7456, J.L. NO-119, SERIK DAG NO-1294, 1296, 1297, 1298, 1299, 1300, 1320, HAL DAG NO-1334, 1333, 1332, (1329,1330,1331) 1318, 1317, 1328, MOUZA-BHIRNGI, G.T. ROAD, DURGAPUR-13, P.S.-DURGAPUR (FARIDPUR), DISTRICT - BURDWAN.

TITLE : STRUCTURAL SANCTION DRAWING.

JOB NO. : 03/2021-2022

DRG. NO. : EF/S/01

DRAWN BY : HEMANTA

SCALE : 1:100, 1:25

DATE : 17.05.2022