



- NOTES :-**
- 1) ALL DIAMETERS ARE IN MILLIMETERS.
 - 2) GRADE OF CONC. : ALL DESIGN MIX.
 - I. PILE - M-20, WITH MINIMUM CEMENT CONTENT @ 400 Kg/CUM OF CONC.
 - II. PILE CAP - M-25.
 - III. COLUMN & LFT : AS PER SCHEDULE.
 - IV. REST ALL - M-25 GR. ROOF TO 8TH FLOOR.
 - 3) P.C.C SHALL BE NOMINAL 1:2:4 (M15) AS PER IS-456 - 2000.
 - 4) TOR STEEL REINFORCEMENT SHALL CONFORM TO LATEST IS-1786 - 1986 CODES WITH YIELD STRESS 500 MPa.
 - 5) CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:-
 - a) PILE : 40 MM ALL SIDES FROM OUTERMOST MAIN BAR.
 - b) PILE CAP : 50 MM ALL SIDES FROM OUTERMOST MAIN BAR.
 - c) COLUMN : 40 MM ALL SIDES FROM OUTERMOST MAIN BAR.
 - d) THE BEAM : 30 MM ALL SIDES FROM OUTERMOST MAIN BAR.
 - e) SLAB : 20 MM ALL SIDES FROM OUTERMOST MAIN BAR.
 - f) WAST SLAB : 20 MM ALL SIDES FROM OUTERMOST MAIN BAR.
 - 6) MINIMUM LAP LENGTH -
 - a) FOR PILE : 40 Ø WITH 3 SETS LAP WELDING IN BOTH SIDES FOR A LENGTH OF 28MM FOR REST - 48 Ø OF THE BAR.
 - 7) MAXIMAL LOAD ON EACH PILE :
 - a) VERTICAL LOAD - 45 MT.
 - b) AS PER THE SOIL INVESTIGATION REPORT PREPARED BY M/S GEOTECH ENGINEERS PVT.LTD
 - 8) POSITIONAL ECCENTRICITY OF ANY PILE MORE THAN 50mm, FOR SINGLE PILE, AND 75 mm. FOR GROUP OF PILES SHALL NOT BE PERMITTED.
 - 9) THE PILE HEADS SHALL PROJECT IN TO PILE CAP FOR 80 mm. THE HEADS TO BE NEATLY FORMED TO THE REQUIRED DIA.
 - 10) ALL TIES TO BE SPOT WELDED WITH VERTICAL REINFORCEMENT.
 - 11) BORING OF PILE -
 - a) BORING MAY BE DONE WITH AUGER METHOD CONSIDERING SUB - SOIL STRATA & DEPTH OF PILE.
 - b) FOR PLACES OF CONCRETE IN PILE BORING, 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 MOUNDING OF SOIL AND DRILLING FLUID WITHIN CONCRETE.
 - 12) VERTICAL LOAD TESTING OF PILE SHOULD CONFIRM IS-2911 (PART-1).
 - 13) RCC BORED CAST IN SITU PILE SHOULD CONFIRM IS-2911 (PART-1, SEC-1)
 - 14) EXT. TOP TO BE PROVIDED AT L4 FROM SUPPORT.
 - a) EXT. BOT. TO BE EXTENDED L8 FROM SUPPORT.
 - 15) SLAB - Ø EXT. TOP TO BE PROVIDED IN ALL SUPPORTS FOR A LENGTH OF L4 FROM SUPPORT.
 - a) BOTTOM ROD TO BE ALT. CUT. AT L8 FROM SUPPORT.
 - 16) ALL DRAWINGS SHALL BE CORRELATED WITH ARCHITECTURAL DRAWINGS & ANY DISCREPANCY SHALL BE BROUGHT TO NOTICE OF THE ENGINEER BEFORE EXECUTION.
 - 17) THIS DRAWING TO BE READ ALONGWITH SPECIFICATIONS & ALL REFERENCE DRAWING.
 - 18) CONTRACTOR MUST VERIFY ALL DIMENSION AT SITE BEFORE EXECUTION OF WORK NO LEVEL OF STRUCTURE.
 - 19) DESIGN IS BASED ON AS PER IS-456, IS-476, IS-1000 & IS-2911.
 - 20) STRUCTURAL DESIGN IS DONE FOR ALL BLOCKS (Ø-VII) STORED BUILDING ONLY.
 - 21) SEISMIC ZONE CONSIDERED FOR DESIGN AS ZONE-III & O.M.P.

CERTIFICATE OF OWNER

CERTIFIED THAT I SHALL NOT ON A LATER DATE HAVE ANY ADDITION OR ALTERATION TO THIS PLAN SO AS TO CONVERT IT FOR MY USE OR ALLOW IT TO BE USED FOR SEPARATE FLOOR/STORY. CERTIFIED THAT I HAVE GONE THROUGH THE BUILDING RULES FOR N.D.M. & ALSO UNDERTAKE TO ABIDE BY THOSE RULES DURING & AFTER CONSTRUCTION OF BUILDING. CERTIFIED THAT I ALSO UNDERTAKE TO REPORT OF COMPLETION BEFORE SEVEN DAYS AND COMPLETION WOULD BE REPORTED WITHIN 30 DAYS. I ALSO UNDERTAKE TO REPORT THAT THERE IS NO COURT CASE OR ANY COMPLAINT FROM ANY CORNER IN RESPECT OF MY PROPERTY AS PER PLAN S.D.M. WILL NOT BE LIABLE FOR ANY TYPE OF DISPUTE IF ARISES IN FUTURE FURTHER THERE IS NO TENANT IN THE AFORESAID PREMISES.

SIGNATURE OF OWNER

CERTIFICATE OF BUILDING PLAN

I/WE DO HEREBY CERTIFY THAT PLANS/ELEVATIONS AND SECTIONS AND OTHER STRUCTURAL DETAILS OF THE PROPOSED BUILDING ON HOLDING NO. 287 (22B), NORTH HILCHAL ROAD, MOUZA - BASARPARA, J.L. NO. - 05 ; R.S. PLOT NO. - 268, 269, 270, 271, 272, 273, 307 ; L.R. KHATAN NO. : 1327, 1328, 1329, 1330 ; P.S.- AIRPORT UNDER NORTH DUM DUM MUNICIPALITY ; WARD NO. - 38 ; DIST. - 24 PGS (N). HAVE BEEN PREPARED IN CONFORMITY WITH ALL RELEVANT PROVISION UNDER THE WEST BENGAL MUNICIPALITY BUILDING RULES, 2007. THIS ALSO TO CERTIFY THAT ALL RELEVANT NOTIFICATION/CERTIFICATES FROM THE RESPECTIVE AUTHORITIES SUCH AS FIRE AND EMERGENCY SERVICES DEPARTMENT, AIRPORT AUTHORITY, TELECOMMUNICATION DEPARTMENT ETC. AS APPLICABLE IN THIS REGARD, ARE ALSO ENCLOSED WITH THE APPLICATION FOR BEARING APPROVAL OF THE PLAN TO CONSTRUCTION TOTAL TOLERATION OF THE BUILDING ON THE SAID PLOT.

SIG. OF LICENSED BUILDING SURVEYOR/ARCHITECT

CERTIFICATE OF STRUCTURAL STABILITY

I/WE HEREBY CERTIFY THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON HOLDING NO. : 287 (22B), NORTH HILCHAL ROAD, MOUZA - BASARPARA, J.L. NO. - 05 ; R.S. PLOT NO. - 268, 269, 270, 271, 272, 273, 307 ; L.R. KHATAN NO. : 1327, 1328, 1329, 1330 ; P.S.- AIRPORT UNDER NORTH DUM DUM MUNICIPALITY ; WARD NO. - 38 ; DIST. - 24 PGS (N). HAVE BEEN PERSONALLY INSPECTED AND SO DERIVED BY ME/US WILL MAKE SUCH FOUNDATION AND SUPER STRUCTURE 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.

SIG. OF STRUCTURAL ENGINEER

SIG. OF GEOTECHNICAL ENGINEER

STRUCTURAL CONSULTANT
ENGINEERS FORUM
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ARCHITECT: RAJ AGRAWAL & ASSOCIATES
ARCHITECTS, PLANNERS AND INTERIOR DESIGNERS.
83, ROYD STREET (2ND FLOOR), KOLKATA-16.

PROJECT:-
ADDITION OF 2 NOS. FLOOR FOR Ø-VII STORED (P.L.T.M.H.T.) ABOVE Ø-VI STORED (18.8 M HT.) IN SANCTIONED BUILDING AT HOLDING NO. : 287 (22B), NORTH HILCHAL ROAD ; MOUZA - BASARPARA, J.L. NO. : 05 ; R.S. PLOT NO. - 268, 269, 270, 271, 272, 273, 307 ; L.R. KHATAN NO. : 1327, 1328, 1329, 1330 ; P.S.- AIRPORT UNDER NORTH DUM DUM MUNICIPALITY ; WARD NO. - 38 ; DIST. - 24 PGS (N). SANCTIONED VIDE B.P. NO. - 154 OF 2820-2021, DATED- 29.08.2016.

TITLE: SANCTION DRAWING (STRUCTURE)

JOB NO.: 02/2016-2019

DRG. NO.: EF/8/01

DRAWN BY: **REEMANTA**

SCALE: 1:100, 1:25.

DATE: 12.06.2022

SCHEDULE OF PILE CAP (M-30)

PILE CAP MKD.	PILE CAP SIZE: mm/mm	NO. OF PILE	DIA. OF PILE	DEPTH	REINFORCEMENT AT BOT.		REINFORCEMENT AT TOP		SKIN REINFORCE ALONG DEPTH	LINK FOR PILE CAP
					LONGER DIR.	SHORTER DIR.	LONGER DIR.	SHORTER DIR.		
PC2	2200x280	2	450	800	8-18	—	4-12	—	12 @ 180 CC.	10-4-L @ 180 CC.
PC3	2020x2200	3	480	900	14 @ 108 CC	18 @ 140 CC	12 @ 200 CC	12 @ 280 CC.	12 @ 180 CC.	10-14 @ 200 X 280 CC.
PC4	2200x2200	4	450	900	16 @ 140 CC	18 @ 140 CC	12 @ 200 CC	12 @ 280 CC.	12 @ 180 CC.	10-14 @ 280 CC.
PC4A	1970x2200	4	450	900	16 @ 140 CC	18 @ 140 CC	12 @ 200 CC	12 @ 280 CC.	12 @ 180 CC.	10-14 @ 280 CC.
PC5	2200x3180	8	480	1900	26 @ 128 CC	18 @ 180 CC	12 @ 240 CC	12 @ 300 CC.	12 @ 180 CC.	10-14 @ 240X300 CC.
PC8	2200x4800	8	450	1900	16 @ 128 CC	18 @ 180 CC	18 @ 240 CC	12 @ 300 CC.	12 @ 180 CC.	10-14 @ 240X300 CC.
PC10 (FOR LIFT)	AS PER DRAWING	10	450	800	18 @ 140 CC	18 @ 140 CC	12 @ 140 CC	12 @ 180 CC.	12 @ 180 CC.	10-14 @ 280 CC.
PC12 (FOR LIFT)	3000x725	12	480	1900	18 @ 140 CC	18 @ 140 CC	12 @ 140 CC	12 @ 180 CC.	12 @ 180 CC.	10-14 @ 280 CC.