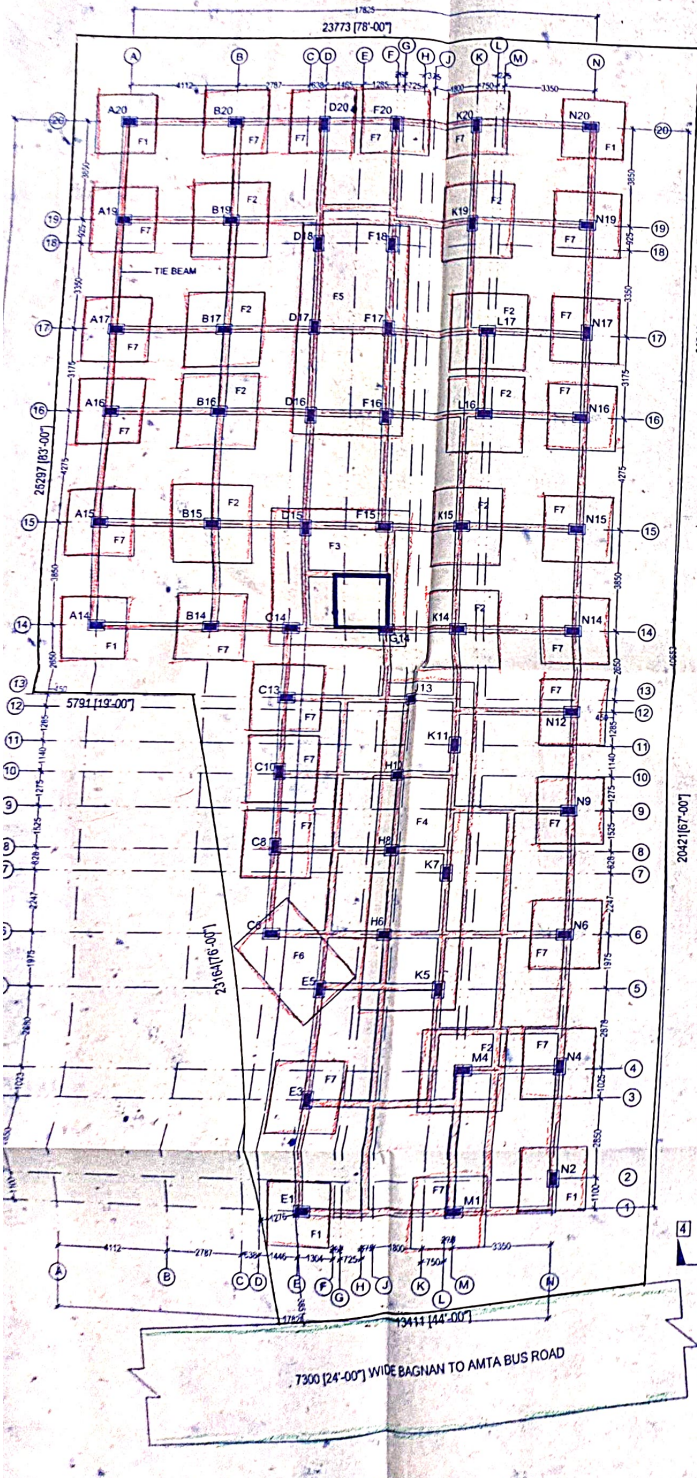
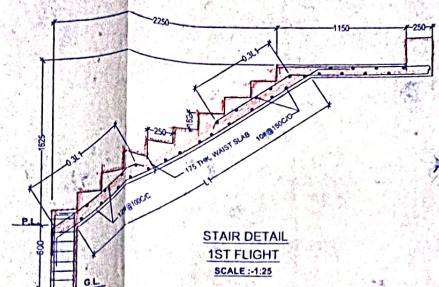


[Signature] 20/02/24
ASSISTANT ENGINEER
HOWRAH ZILLA PARISHAD
[Signature]

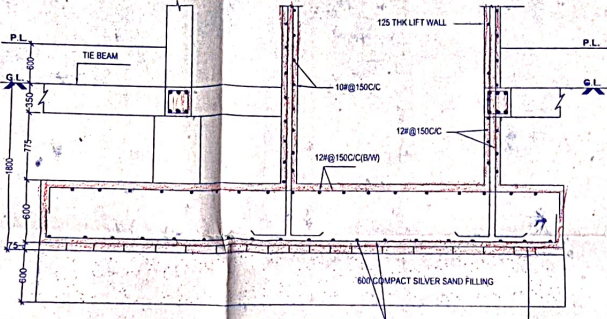
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District Engineer
HOWRAH ZILLA PARISHAD
[Signature]



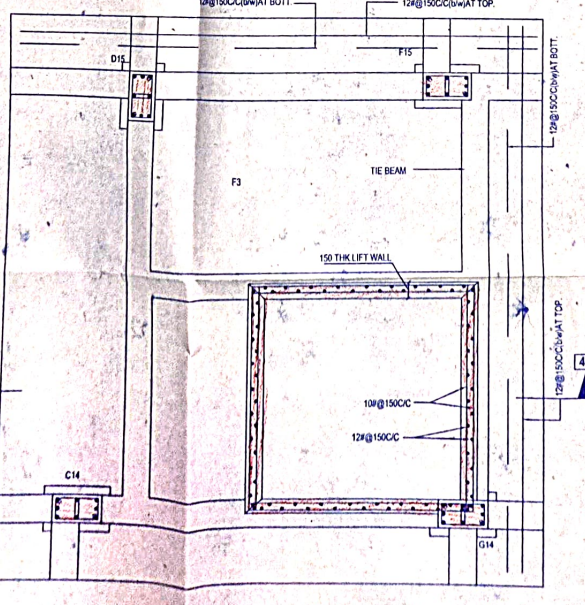
FOUNDATION LAYOUT PLAN



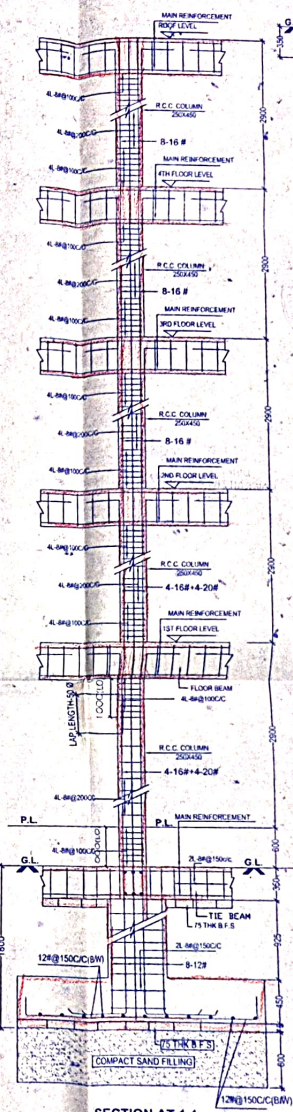
STAIR DETAIL 1ST FLIGHT SCALE: 1:25



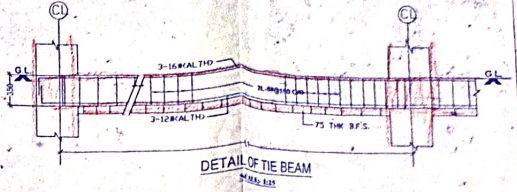
SECTION AT 4-4 SCALE: 1:25



DETAIL OF LIFT FOOTING



DETAIL OF FOOTING (TYPICAL)



DETAIL OF THE BEAM

SCHEDULE OF FOUNDATION							
FOOT. MKD	COLUMN MKD	SIZE	D	F	MAIN REINFORCEMENT	DETAIL OF PEDESTAL	
					SHORTER	LONGER	SIZE: 600X400
F1	A20, N20, A14, E1, N2	2300X2300	1800	350	12# @ 150CC	12# @ 150CC	LATERAL TIES: 2-# @ 150CC
F2	B19, K19, B17, L17, L16, B16, B15, K15, K14, M4	2700X2900	1800	450	12# @ 150CC	12# @ 150CC	BAR: S-12#
F3	D15, F15, C14, G14	5000X5100	1800	600	12# @ 150CC	12# @ 150CC	TOP & BOT.
F4	J13, K11, H10, H8, K7, H6 & K5	3200X12075	1800	500	12# @ 150CC	12# @ 150CC	TOP & BOT.
F5	D18, F18, D17, F17, D16 & F16	4400X3075	1800	500	12# @ 150CC	12# @ 150CC	TOP & BOT.
F6	C6 & E5	2300X4000	1800	500	12# @ 150CC	12# @ 150CC	TOP & BOT.
F7	REST	2500X2500	1800	400	12# @ 150CC	12# @ 150CC	

SCHEDULE OF COLUMN						
COLUMN MKD	SIZE	MAIN REINFORCEMENT	LATERAL TIES			
		UPTO 2ND FLOOR LEVEL	ABOVE 2ND FLOOR LEVEL TO ROOF	1ST 1.0 M	MIDDLE SPAN	LAST 1.0 M
ALL	250X450	4-16# @ 4-20#	8-16 #	4L-# @ 100CC	2L-# @ 200CC	4L-# @ 100CC

SCHEDULE OF TIE BEAM							
BEAM MKD	SIZE	MAIN REINFORCEMENT	SUPPORT	SPAN	STIRRUPS		
		TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
TIE BEAM	* 250X350	3-14	3-12#	3-12#	3-16#	2L-# @ 150 C.C.	2L-# @ 150 C.C.

NOTES/SPECIFICATION

- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
- ALL R.C.C. SHOULD BE IN 1:1.2:3 MIX.
- ALL R.C.C. ELEMENTS SHOULD BE M20/12.
- ALL REINBAR USED SHOULD BE F₄₆₀ OR H₄₆₀.
- COVERS SHOULD BE MAINTAINED AS BELOW:
 - A) FOUNDATION & UNDER SL - 75 MM ALL FACES
 - B) COLUMNS - 40 MM ALL FACES
 - C) BEAMS - 25 MM WALL FACES
 - D) SLAB - 15 MM WALL FACES
- RELAP LENGTH SHOULD BE AS BELOW:
 - A) 50 # IN COMPRESSION & 35 # IN TENSION
 - B) BAR REINFORCEMENT & FORM SHOULD BE CONFORMING TO IS 2008-1963.
 - C) BENDING WIRE MUST BE BLACK ANNEALED WIRES CONFORMING TO IS 2002.
 - D) TO MAINTAIN COVER, COVERS BLOCKS OF APPROPRIATE DIMENSIONS RECOMMENDED.
- COLUMN REINBAR SHOULD BE LAPPED IN WORKS & 40% OF THE CLEAR FREE HEIGHT.
- WATER SHOULD BE USED POTABLE.
- ALL EXTERNAL AND INTERNAL ANGLE IRNS ARE:
 - A) ADDITIONAL REINFORCEMENT
 - B) ANG B LOCKS
 - C) CONCRETE IN WORK LOW BLOCKS
- THE WHOLE STRUCTURAL DESIGN IS DONE CONSIDERING ALL POSSIBLE LOADS AS PER IS 800-2000 AND ALSO CONSIDERING AVAILABLE SOIL INVESTIGATION REPORT.
- SOIL IS AVAILABLE.
- DEPTH OF FOUNDATION.
- PILE FOUNDATION RECOMMENDED.
- DEVIATION IN STRUCTURAL PLAN & DESIGN SHOULD NOT BE DONE WITHOUT PRIOR PERMISSION FROM CONCERNED STRUCTURAL ENGINEER.



STRUCTURAL DETAILS			
DATE	SCALE	DRAWN BY	SHEET
30.08.2023	1:100 / 1:600 / 1:9000	TUSHI P. G. T. 14	S1

PROJECT:- PROPOSED G+IV STORED PART COMMERCIAL PARK, RESIDENTIAL BUILDING OF RAJKUMAR SAMJI AT L.R. DAG NO:-662,663, L.R. KHATIAN NO:-1076, J.L. NO.-46, MOUZA-AGUNSHI BHUNERA, P.S.- BAGNAN, DIST.- HOWRAH

DEC. OF STRUCTURAL ENGINEER
I CERTIFY THAT THE STRUCTURAL DRAWING AND DESIGN OF BOTH THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT AS PER THE RULES AND REGULATIONS MADE UNDER THE ACT AND ALSO CONSIDERING ALL POSSIBLE LOADS, WIND, SEISMIC LOAD AND MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER IS 800 AND IS 456 AND CERTIFIED THAT THE SAME IS SAFE AND STABLE IN ALL RESPECTS AND THESE PROVISIONS SHALL ADHERE TO DURING THE CONSTRUCTION.

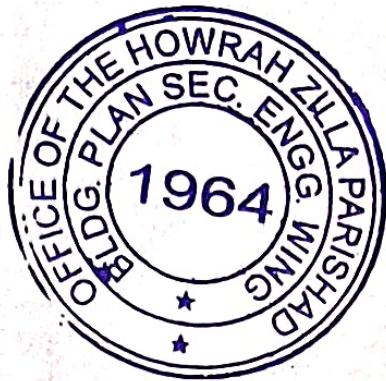
DEC. OF L.B.S
I CERTIFIED THAT THE SITE CONDITION INCLUDING THE WIDTH OF ADJOINING ROAD CONFORM WITH PLAN AND THAT IS A BUILDABLE SITE AND NOT A TANK OR FILLED UP TANK. THE PLOT IS BOUNDED BY BOUNDARY WALL. THE WIDTH OF THE ROAD IS 7300 (24'-00").

DEC. OF OWNER
THE PLOT AS PER SITE PLAN IS BELONGING TO US. IF THERE BE ANY LITIGATION ARISING IN FUTURE THE RESPONSIBILITY WILL BE WITH US.

Dr. Rajendra Nayak
Chartered Engineer
Sr. Professional Engineer
Engineering Council of India
F.A.S.T.C.E., I.E.T.E., I.T.A.S.
M.S.C.E., M.S.E.S., M.I.E.T.E.
M.E., M.A.E.N.E.
P.N.E.-1223-42-14-15-16

Smt. Sumita Nayak (Gauri)
B.Sc. Dip In Arch
L.B.S. (Class II) No. 16 of
Howrah, Zilla, West Bengal

Raj Kumar Sami



Engel 20/02/24
ASSISTANT ENGINEER
HOWRAH ZILLA PARISHAD
[Signature]

Engel 20/02/24
District Engineer
HOWRAH ZILLA PARISHAD
[Signature]



20/02/24
ASSISTANT ENGINEER
HOWRAH ZILLA PARISHAD
Jan

Original
20/02/24
District Engineer
HOWRAH ZILLA PARISHAD
DR