FOOTING DETAILS

FOOTING MKD	COLUMN MARK	LENGTH (L) (mm)	WIDTH (W) (mm)	THICKNESS (mm) EDGE(E)	THICKNESS (mm) CENT(C)	PEDESTAL LENGTH(a)	PEDESTAL WIDTH(b)	REINFORCEMENT SHORTER SPAN(q)	REINFORCEMENT LONGER SPAN(p)	NO. OF FOOTING
F1	1,2,4,5,6,7,9,10,14,15,48, 49,53,54,56,57,58,59,61,62	2000	2000	250	400	500	500	12T @ 150 C/C	12T @ 150 C/C	20
F2	11,12,13,16,17,18,21,22,29,30, 33,34,41,45,46,47,50,51,52,	2200	2200	250	400	500	500	12T @ 125 C/C	12T @ 125 C/C	19
F3	3,8,19,20,24,27,39,39, 43,44,55,60	2400	2400	250	400	500	500	12T @ 125 C/C	12T @ 125 C/C	12
F4	23,25,26,28,31,32,35,37,38,40	2600	2600	250	400	500	500	12T @ 125 C/C	12T @ 125 C/C	10
F5	41	3000	2800	350	350	450	500	12T @ 150 C/C(T/B)	12T @ 150 C/C(T/B)	1

SCHEDULE OF TIE- BEAM

MKD.	SIZE WIDTH	SIZE DEPTH	REINFORCEMENT SUPPORT TOP	REINFORCEMENT SUPPORT BOTT.	REINFORCEMENT SPAN TOP	REINFORCEMENT SPAN BOTT.	STIRRUP (2L-8T) SUPPORT(s1)	STIRRUP (2L-8T) SPAN (s2)
TB1	250	400	2-16T+ 1-12T	2-16T+ 1-12T	2-16T+ 1-12T	2-16T+ 1-12T	125 C/C	175 C/C

SCHEDULE OF BEAM

MKD.	SIZE WIDTH	SIZE DEPTH	REINFORCEMENT SUPPORT TOP	REINFORCEMENT SUPPORT BOTT.	REINFORCEMENT SPAN TOP	REINFORCEMENT SPAN BOTT.	STIRRUP (2L-8T) SUPPORT(s1)	STIRRUP (2L-8T) SPAN (s2)
B1	250	400	6-16T	3-16T	3-16T	6-16T	100 C/C	175 C/C
B2	250	400	5-16T	2-16T	2-16T	4-16T	100 C/C	175 C/C
B3	250	400	4-16T	2-16T	2-16T	3-16T	100 C/C	175 C/C
B4	250	400	3-16T	2-16T	2-16T	3-16T	100 C/C	175 C/C
B5	250	400	2-16T	2-16T	2-16T	2-16T	100 C/C	175 C/C
B6	250	400	2-16T	3-16T	2-16T	3-16T	100 C/C	175 C/C
B7	250	400	5-16T	2-16T	5-16T	2-16T	100 C/C	175 C/C
B8	250	400	4-16T	2-16T	4-16T	2-16T	100 C/C	175 C/C
B9	250	400	2-20T+4-16T	2- 20T	2- 20T	2-20T+4-16T	100 C/C	175 C/C

SCHEDULE OF SLAB

MKD.	THICK	REINFORCEMENT SHORTER SPAN SUPPORT TOP	SHORTER SPAN SUPPORT BOT.	SHORTER SPAN SPAN TOP	SHORTER SPAN SPAN BOT.	LONGER SPAN SUPPORT TOP	LONGER SPAN SUPPORT BOT.	LONGER SPAN SPAN TOP	LONGER SPAN SPAN BOT.
S1	115	8T @ 150 C/C	8T @ 300 C/C	--	8T @ 150 C/C	8T @ 150 C/C	8T @ 300 C/C	--	8T @ 150 C/C
S2	125	8T @ 150 C/C	8T @ 300 C/C	--	8T @ 150 C/C	8T @ 150 C/C	8T @ 300 C/C	--	8T @ 150 C/C
S3(AT LIFT MECH. RM. FLOOR)	150	8T @ 150 C/C	8T @ 300 C/C	--	8T @ 150 C/C	8T @ 150 C/C	8T @ 300 C/C	--	8T @ 150 C/C
S4	100	LONGITUDINAL REINFORCEMENT- 12T @ 150 C/C DISTRIBUTION STEEL- 8T @ 200 C/C				STAIR WAIST SLAB			

NOTES & SPECIFICATIONS

ALL DIMENSIONS ARE IN M.M. UNLESS OTHERWISE MENTIONED.
WRITTEN DIMENSIONS TO BE FOLLOWED.
ALL MAIN WALLS ARE 200 THK.
PARTITION WALLS ARE 125 THK. & 75 THK.
ALL R.C.C. AND P.C.C. WORK WILL BE IN (1:1.5:3) & (1:3:6) RESPECTIVELY.
ALL BUILDING MATERIALS TO BE USED AS PER N.B.C. OF INDIA.
MINIMUM COVER FOR R.C.C. STRUCTURES :
FOR SLAB- 20 M.M.
FOR BEAM-30 M.M.
FOR COLUMN-45 M.M.
GRADE OF CONCRETE- M 20.
GRADE OF STEEL - Fe 500.

STRUCTURAL CERTIFICATE

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPER-STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOADS AS PER N.B.C. OF INDIA AND CERTIFICATE THAT IT IS SAFE AND STABLE IN ALL RESPECT.

SAMIRAN MUKHERJEE
B.C.E.
E.S.E. NO.- 57
A-28 ATABAGAN, GARIA
KOLKATA-700 084

SIG. OF E.S.E.

SAMIRAN MUKHERJEE
B.C.E.
E.B.A. NO.- 184
A-28 ATABAGAN, GARIA
KOLKATA-700 084

SIG. OF L.B.S.

Constituted Attorney of
Acyumen Vinimay Pvt. Ltd. & Others

SIG. OF OWNER

REVEISED PLAN OF G+IV STORIED RESIDENTIAL BUILDING AT HOLDINGNO-580, PASCHIMNISCHINTAPUR ROAD, MOUZA- BORAL, J. L. NO- 61, R.S. DAG NO- 719 & 722, L.R. DAG NO- 938 & 942, L. R. KHATIAN NO- 1986 TO 2023 & 2061 TO 2072,WARD NO- 33, UNDER RAJPUR SONARPUR MUNICIPALITY, P.S.- SONARPUR, DIST. 24 PGNS(S).
OWNER'S NAME : ACYUMEN VINIMAY PVT. LTD & OTHERS

STRUCTURAL DRAWING

APPROVED
Plan No. 45/Rev/09/33/01 Dated 05/07/2016
Valid Upto 05/07/2019
Partha Gupta
Municipal Engineer
RAJPUR-SONARPUR MUNICIPALITY
Dr. Pallab Das
Chairman

SCHEDULE OF COLUMN

COLUMN MKD.	REINFORCEMENT AT ROOF LEVEL	REINFORCEMENT SHAPE OF BAR	NO. OF COL.
1,2,4,5,6,7,9, 10,14,15,48, 49,53,54, 56,57,58, 59,61,62	12 T, 12 T, 12 T, 12 T, 16 T, 16 T, 16 T, 16 T, 450, 250; 6-12T+4-16T WITH 2 C.L. PER SET	8T @150 C/C	20
3,8,11,12, 13,16,17, 18,21,22, 29,30,33, 34,41,42, 45,46,47, 50,51,52, 55,60	12 T, 12 T, 12 T, 12 T, 16 T, 16 T, 16 T, 16 T, 450, 250; 6-16T+4-12T WITH 2 C.L. PER SET	8T @150 C/C	24
23,24,25, 26,27,28, 35,36,37, 38,39,40	16 T, 16 T, 16 T, 16 T, 16 T, 16 T, 16 T, 16 T, 450, 250; 10-16T WITH 2 C.L. PER SET	8T @150 C/C	12
19,20,31, 32,43,44	16 T, 16 T, 16 T, 16 T, 16 T, 16 T, 16 T, 16 T, 450, 250; 12-16T WITH 2 C.L.+1 O.L. PER SET	8T @150 C/C	6

FOOTING & TIE BEAM LAYOUT PLAN
PH1 BLOCK 'B'

TYPICAL FLOOR BEAM LAYOUT PLAN
PH1 BLOCK 'B'

TYP.SECTION OF ISOLATED FOUNDATION