SCHEDULE OF R .C.C. SLABS

SLAB MKD	THICKNESS (mm)	REINFORCEMENT PARALLEL TO SHORTER DIRECTION		REINFORCEMENT PARALLEL TO LONGER DIRECTION	
		AT MIDDLE SPAN	AT END SPAN	AT MIDDLE SPAN	AT END SPAN
S1	100	8 ⌀ @ 200 c/c (bott.)	8 ⌀@ 200 c / c (top) 8 ⌀@ 400 c / c (bott.)	8 ⌀@ 200 c / c(bott.)	8 ⌀@ 200 c / c (top & bott.)
S2	150	8 ⌀@ 100 c / c (top) 8 ⌀@ 200 c / c (bott.)	8 ⌀@ 100 c / c (top) 8 ⌀@ 200 c / c (bott.)	8 ⌀@ 200 c / c (top & bott.)	8 ⌀@ 200 c / c (top & bott.)
S3	150	8 ⌀@ 200 c / c(binder.)	8 ⌀@ 200 c / c(binder.)	12 ⌀@ 150 c / c(bott.)	12 ⌀@ 150 c / c (top) 12 ⌀@ 300 c / c (bott.)

SCHEDULE OF R.C.C. BEAMS

BEAM MKD.	BEAM SECTION	SIZE & REINFORCEMENT AT SUPPORT		STIRRUP AT SUPPORT	SIZE & REINFORCEMENT AT SPAN		STIRRUP AT SPAN
		TOP	BOTTOM		TOP	BOTTOM	
B1	350X500	3 - 20 ⌀+ 4 - 20 ⌀	3 - 20 ⌀	10 TOR 2L @ 125 C/C	3 - 20 ⌀	3 - 20 ⌀+ 2 - 20 ⌀	10 TOR 2L @ 125 C/C
B2	350X500	2 - 20 ⌀+ 2 - 20 ⌀	3 - 16 ⌀	10 TOR 2L @ 175 C/C	2 - 20 ⌀	3 - 16 ⌀	10 TOR 2L @ 175 C/C
B3	350X500	2 - 20 ⌀+ 3 - 20 ⌀	3 - 16 ⌀	10 TOR 2L @ 125 C/C	2 - 20 ⌀	3 - 16 ⌀+ 2 - 16 ⌀	10 TOR 2L @ 175 C/C
B4	350X500	2 - 20 ⌀+ 2 - 20 ⌀	3 - 16 ⌀	10 TOR 2L @ 175 C/C	2 - 20 ⌀	3 - 16 ⌀	10 TOR 2L @ 175 C/C
B5	350X500	3 - 16 ⌀	3 - 16 ⌀	10 TOR 2L @ 175 C/C	3 - 16 ⌀	3 - 16 ⌀+ 2 - 16 ⌀	10 TOR 2L @ 175 C/C
B6	350X500	2 - 16 ⌀	3 - 16 ⌀	10 TOR 2L @ 175 C/C	2 - 16 ⌀	3 - 16 ⌀+ 2 - 12 ⌀	10 TOR 2L @ 175 C/C
B7	350X500	4 - 16 ⌀	3 - 16 ⌀	10 TOR 2L @ 125 C/C	4 - 16 ⌀	3 - 16 ⌀	10 TOR 2L @ 175 C/C
B8	350X500	4 - 16 ⌀	3 - 16 ⌀	10 TOR 2L @ 125 C/C	4 - 16 ⌀	3 - 16 ⌀	8 TOR 2L @ 125 C/C
B1'	350X300	2 - 16 ⌀+ 2 - 16 ⌀	3 - 12 ⌀	8 TOR 2L @ 150 C/C	2 - 16 ⌀	3 - 12 ⌀+ 2 - 12 ⌀	8 TOR 2L @ 200 C/C
B2'	350X300	2 - 16 ⌀+ 2 - 16 ⌀	3 - 12 ⌀	8 TOR 2L @ 150 C/C	2 - 16 ⌀	3 - 12 ⌀	8 TOR 2L @ 200 C/C
TB1	350X500	3 - 16 ⌀+ 3 - 16 ⌀	3 - 16 ⌀	8 TOR 2L @ 150 C/C	3 - 16 ⌀	3 - 16 ⌀+ 2 - 16 ⌀	8 TOR 2L @ 200 C/C
TB2	350X500	2 - 16 ⌀+ 2 - 16 ⌀	2 - 16 ⌀	8 TOR 2L @ 150 C/C	2 - 16 ⌀	2 - 16 ⌀	8 TOR 2L @ 200 C/C
TB3	350X500	2 - 16 ⌀+ 2 - 16 ⌀	2 - 16 ⌀	8 TOR 2L @ 150 C/C	2 - 16 ⌀	2 - 16 ⌀+ 1 - 16 ⌀	8 TOR 2L @ 200 C/C
TB4	350X500	2 - 12 ⌀	2 - 16 ⌀	8 TOR 2L @ 200 C/C	2 - 12 ⌀	2 - 16 ⌀	8 TOR 2L @ 200 C/C
TB5	350X500	4 - 16 ⌀	2 - 16 ⌀	8 TOR 2L @ 150 C/C	4 - 16 ⌀	2 - 16 ⌀	8 TOR 2L @ 150 C/C

SCHEDULE OF R.C.C. COLUMNS

COLUMN MKD.	SIZE & REINFORCEMENT FROM BASE TO 2ND. FL. LVL.	SIZE & REINFORCEMENT FROM 2ND. FL. LVL. TO 4TH. FL. LVL.	SIZE & REINFORCEMENT FROM 4TH. FL. LVL. TO 6TH. FL. LVL.	SIZE & REINFORCEMENT FROM 6TH. FL. LVL. TO ABOVE FL. LVL.	STIRRUP
C22,C23	350 X 750 10 - 20 ⌀ 10 - 20 ⌀	350 X 750 4 - 20 ⌀ 6 - 16 ⌀ 4 - 20 ⌀ 6 - 16 ⌀	350 X 750 2 - 20 ⌀ 8 - 16 ⌀ 2 - 20 ⌀ 8 - 16 ⌀	350 X 750 2 - 20 ⌀ 8 - 12 ⌀ 2 - 20 ⌀ 8 - 12 ⌀	REFFER COLUMN SECTION
C1,C11,C13,C17	350 X 750 7 - 20 ⌀ 7 - 20 ⌀	350 X 750 3 - 20 ⌀ 4 - 16 ⌀ 3 - 20 ⌀ 4 - 16 ⌀	350 X 750 3 - 16 ⌀ 4 - 12 ⌀ 3 - 16 ⌀ 4 - 12 ⌀	350 X 750 7 - 12 ⌀ 7 - 12 ⌀	REFFER COLUMN SECTION
C5,C6,C9,C10,C14, C15,C18,C19,C21	350 X 600 8 - 20 ⌀ 8 - 20 ⌀	350 X 600 4 - 20 ⌀ 4 - 16 ⌀ 4 - 20 ⌀ 4 - 16 ⌀	350 X 600 4 - 16 ⌀ 4 - 12 ⌀ 4 - 16 ⌀ 4 - 12 ⌀	350 X 600 2 - 16 ⌀ 6 - 12 ⌀ 2 - 16 ⌀ 6 - 12 ⌀	REFFER COLUMN SECTION
C9,C12,C20	350 X 600 8 - 16 ⌀ 8 - 16 ⌀	350 X 600 4 - 16 ⌀ 4 - 12 ⌀ 4 - 16 ⌀ 4 - 12 ⌀	350 X 600 2 - 16 ⌀ 6 - 12 ⌀ 2 - 16 ⌀ 6 - 12 ⌀	350 X 600 8 - 12 ⌀ 8 - 12 ⌀	REFFER COLUMN SECTION
C2,C3,C4,C6, C7,C24,C25, C26,C27,C28,C29	350 X 500 7 - 16 ⌀ 7 - 16 ⌀	350 X 500 3 - 16 ⌀ 4 - 12 ⌀ 3 - 16 ⌀ 4 - 12 ⌀	350 X 500 2 - 16 ⌀ 5 - 12 ⌀ 2 - 16 ⌀ 5 - 12 ⌀	350 X 500 7 - 12 ⌀ 7 - 12 ⌀	REFFER COLUMN SECTION

SPECIFICATIONS

1. LENGTH OF PILE IS 20.0 M. BELOW EXISTING G.L.
2. SAFE BEARING CAPACITY OF SOIL IS AS PER SOIL TEST REPORT
3. FOUNDATIONS MUST BE PLACED WITH RESPECT TO THE CENTRE OF THE COLUMNS.
4. GRADE OF CONCRETE IS M-25 AND GRADE OF STEEL IS Fe-500.
5. CLEAR COVER TO MAIN REINFORCEMENT IS AS PER BELOW :-
   a) FOUNDATION - 75 MM
   b) COLUMN - 40 MM
   c) BEAM - 25 MM
   d) SLAB - 20 MM
6. ALL SLABS MUST BE MONOLYTHIC WITH SUPPORTING BEAM.
7. ALL OTHER SPECIFICATIONS AS PER NATIONAL BUILDING CODE OF INDIA

I DO HEREBY CERTIFY THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE ABOVE MENTIONED PLOT WHICH IS UNDER THE JURISDICTION OF INDUSTRIAL TOWNSHIP AUTHORITY, HAS BEEN PERSONALLY INSPECTED AND SO DESIGNED BY US MAKING SUCH FOUNDATION AND SUPERSTRUCTURE 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.

SIGNATURE OF STRUCTURAL ENGINEER.

SUJOY SARKAR
GEOTECHNICAL ENGINEER
B.C.E., M.C.E.(JU)
MIGE, MASCE, KMC CLASS-1
SIGNATURE OF GEO-TECHNICAL ENGINEER

I DO HEREBY CERTIFY THAT PLANS, ELEVATIONS AND OTHER STRUCTURAL DETAILS OF THE ABOVE MENTIONED PLOT WHICH IS UNDER THE JURISDICTION OF INDUSTRIAL TOWNSHIP AUTHORITY, HAS BEEN PREPARED IN CONFORMITY WITH ALL RELEVANT PROVISIONS UNDER THE WEST BENGAL MUNICIPAL (BUILDING) RULES 2007. THIS ALSO TO CERTIFY THAT ALL RELEVANT ' NO OBJECTION' CERTIFICATES FROM THE RESPECTIVE AUTHORITIES SUCH AS FIRE AND EMERGENCY SERVICES DEPARTMENT, AIRPORT AUTHORITY, POLLUTION CONTROL BOARD, TELECOMMUNICATION DEPARTMENT ETC. AS APPLICABLE IN THIS REGARD, ARE ALSO ENCLOSED WITH THE APPLICATION FOR SEEKING APPROVAL OF THE PLAN TO CONSTRUCT THE BUILDING/S IN THE SAID PLOT.

SIGNATURE OF ENGINEER
ACHINTYA HALDER (CIVIL Lic. No-DMC/SP/0/20)
B.TECH (CIVIL), REG NO-10276012022 OF 2015-16
OFFICE-1AA/B/3S SEPOY, M.: 8332039433/9434251857

SAMIULLAH CHAND
Reg. No. CA/2017/88043

SIGNATURE OF L.B.S. | SIGNATURE OF ARCHITECT

Green Mountain City Developer Pvt. Ltd.
Director
SIGNATURE OF OWNER

HEADING

STRUCTURAL DRAWING OF AEROCITY APPARTMENT OF G+7 STORIED RESIDENTIAL APARTMENT BUILDING FOR ABHOY MUKHERJEE. AT ANDAL AIRPORT, J.L.NO.-52, L.R. PLOT NO.-707,714, L.R. KHATIAN NO.-4009, MOUZA - ANDAL, DIST- PASCHIM BURDWAN. DEVELOPER- GREEN MOUNTAIN CITY DEVELOPER PVT. LTD.

PAGE SIZE - 1000 X 600

SECTION AT 1-1 AT SUPPORT
SCALE : - 1 : 25

SECTION AT 2-2 AT SPAN
SCALE : - 1 : 25

SECTION AT 3-3 AT SUPPORT
SCALE : - 1 : 25

SECTION AT 4-4 AT SPAN
SCALE : - 1 : 25

TYPICAL DETAILS OF STOOL COLUMN MKD.- SC1,SC2,SC3
SCALE : - 1 : 25

DETAILS OF SLAB MKD.- S2
SCALE : - 1 : 25

DETAILS OF STAIR MKD.- S3 SECTION N-N
SCALE : - 1 : 25

DETAILS OF TOE BEAM
SCALE : - 1 : 25

SECTION AT E-E
SCALE : - 1 : 50

SECTION AT F-F
SCALE : - 1 : 50

SECTION DETAILS AT L-L
SCALE : - 1 : 50

DETAILS OF LIFT SHAFT
SCALE : - 1 : 50

DETAIL OF PILE 450 DIA
SCALE : - 1 : 25

TYPICAL PLACING OF STIRRUPS AT LAPPING JUNCTION
SCALE : - 1 : 25

DETAILS OF SLAB (MKD.- S1) SECTION M-M
SCALE : - 1 : 25

DETAILS OF COLUMN HOOP REINFORCEMENT

DETAIL : A
(TYPICAL DETAIL OF 135° HOOK)

BEAM & SLAB LAYOUT PLAN AT STAIR H.R.-1 ROOF LEVEL
SCALE : - 1 : 100

BEAM & SLAB LAYOUT PLAN AT STAIR H.R.-2 ROOF LEVEL
SCALE : - 1 : 100

BEAM & SLAB LAYOUT PLAN AT LIFT M/C ROOM FLOOR & ROOF LEVEL
SCALE : - 1 : 100

DETAILS OF BEAM MKD -B1 (350 x 500)
SCALE : - 1 : 25

DETAILS OF TIE BEAM MKD -TB1 (350 x 500)
SCALE : - 1 : 25

TYPICAL PLACING OF STIRRUPS AT BEAM-COLUMN JUNCTION
SCALE : - 1 : 25

FOUNDATION , COLUMN & TIE BEAM LAYOUT PLAN.
SCALE : - 1 : 100

13500 MM WIDE ROAD
WAY TO G.T. ROAD
2000 MM MEDIAN
WAY TO AIRPORT
13500 MM WIDE ROAD

TYPICAL FLOOR BEAM & SLAB LAYOUT PLAN AT 1ST TO ROOF FLOOR LEVEL.
SCALE : - 1 : 100

DETAILS OF 4 PILE CAP
SCALE : - 1 : 50

DETAILS OF 3 PILE CAP
SCALE : - 1 : 50

DETAILS OF 2 PILE CAP
SCALE : - 1 : 50