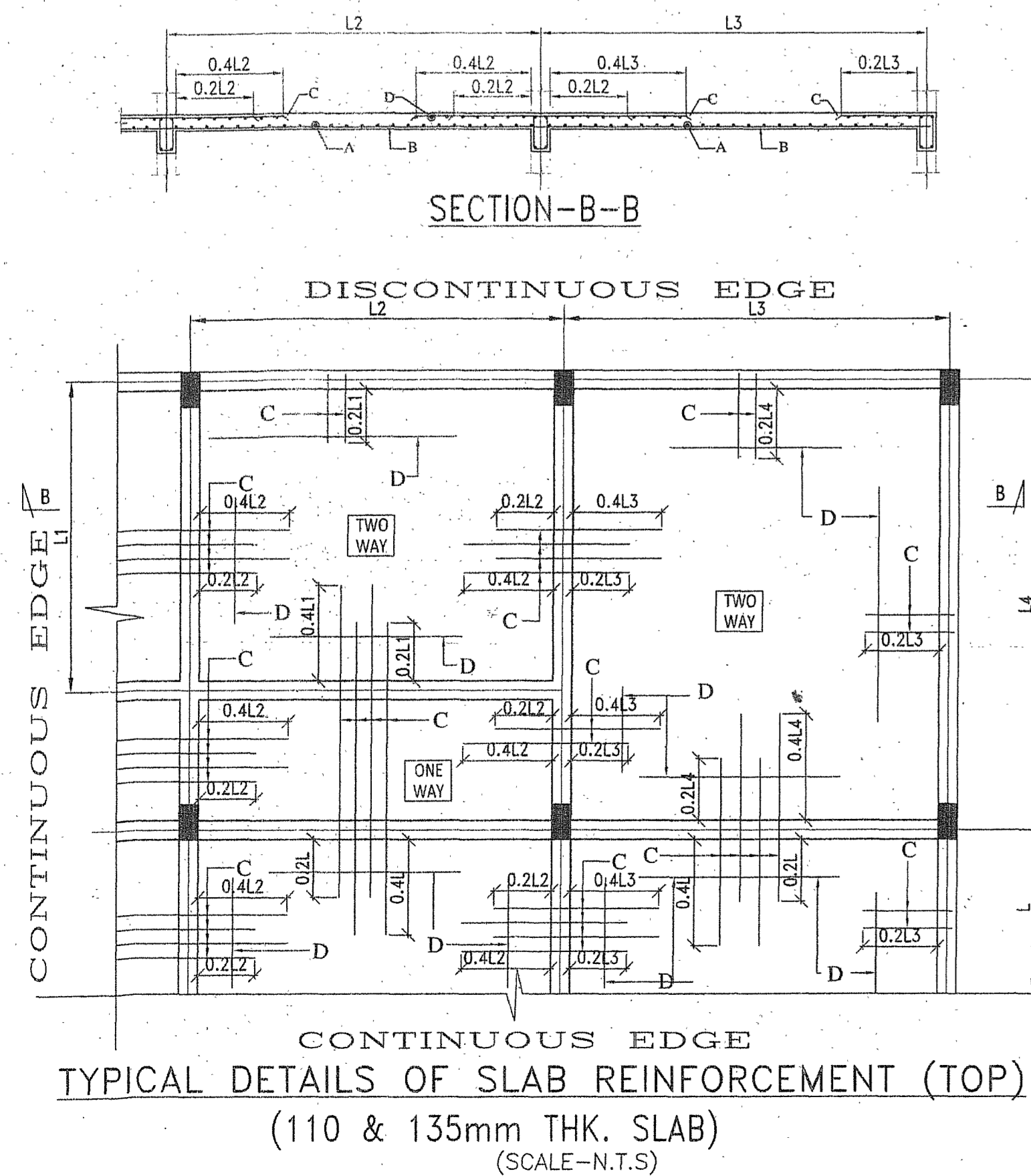
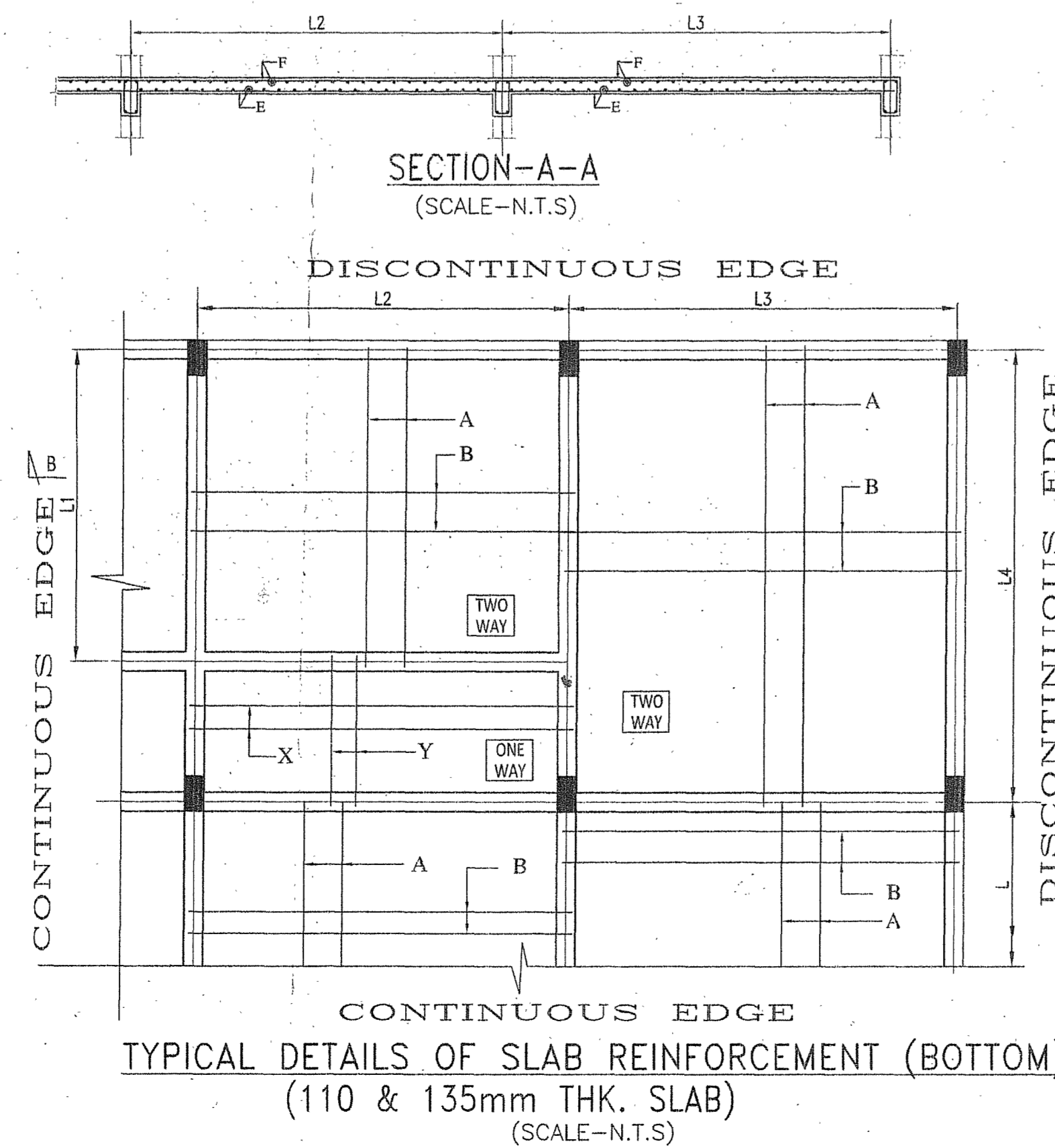


ROOF BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)23.20m.

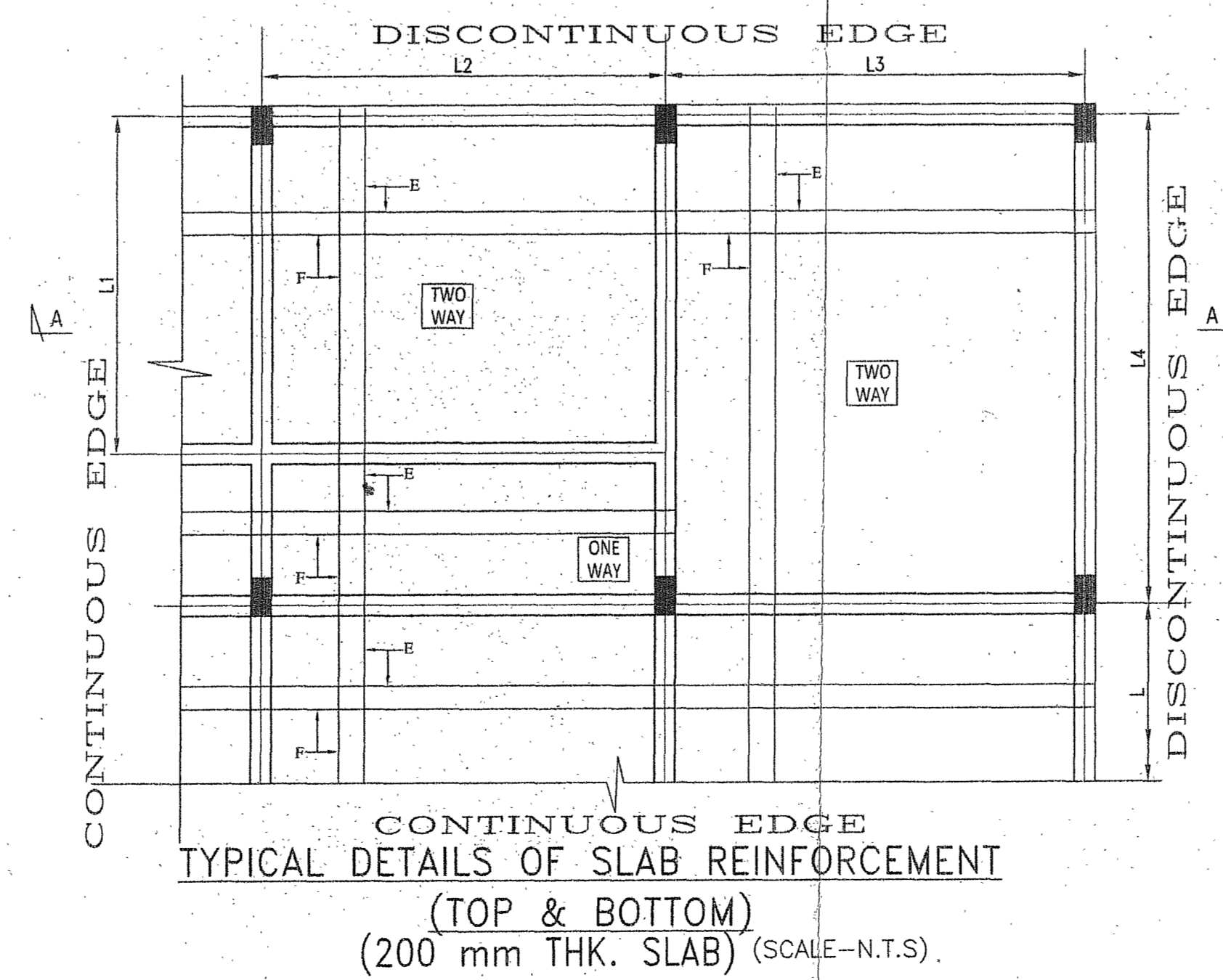
S1 MARKED SLABS ARE 135 mm THICK
ALL OTHER SLABS 110 mm THICK
SCALE - 1:100



TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP)
(110 & 135mm THK. SLAB)
(SCALE - N.T.S.)



TYPICAL DETAILS OF SLAB REINFORCEMENT (BOTTOM)
(110 & 135mm THK. SLAB)
(SCALE - N.T.S.)



TYPICAL DETAILS OF SLAB REINFORCEMENT
(TOP & BOTTOM)
(200 mm THK. SLAB) (SCALE - N.T.S.)

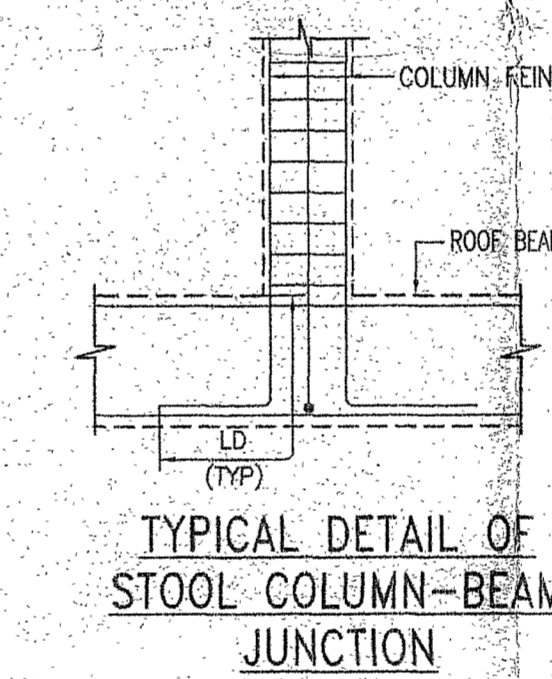
L.M.R FLOOR BEAM & SLAB LAYOUT PLAN
AT LEVEL (+)24.70 m.
(ALL SLAB 200 mm. THK.)
SCALE - 1:100

MUMTY ROOF BEAM & SLAB
LAYOUT PLAN AT LVL. (+)25.60 m.
(SLAB 110 mm. THK.)
SCALE - 1:100

L.M.R ROOF BEAM & SLAB LAYOUT PLAN
AT LEVEL (+)27.20 m.
(SLAB 110 mm. THK.)
SCALE - 1:100

WATER TANK PLATFORM BEAM AND SLAB LAYOUT PLAN
(+ 24.20 m. LEVEL)
SLAB 200 mm THICK.
SCALE - 1:100

SCHEDULE OF ROOF, L.M.R FLOOR & ROOF BEAMS, WATER TANK PLATFORM BEAMS & MUMTY ROOF BEAMS						
BEAM MARKED	BEAM SIZE	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SPAN)
		ALTHROUGH	EXTRA AT SUPPORT	ALTHROUGH	EXTRA AT SPAN	
RB1	250 x 700	3-16 #	3-16 #	3-16 #	3-16 #	2L-8 # @ 100 C/C
RB2	250 x 500	2-16 #	2-16 #	2-16 #	2-16 #	4L-8 # @ 100 C/C
RB3	250 x 500	3-16 #	2-16 #	3-16 #	3-16 #	2L-8 # @ 100 C/C
RB4	250 x 450	3-16 #	3-16 #	3-16 #	3-16 #	2L-8 # @ 100 C/C
RB5	250 x 450	3-16 #	2-12 #	3-16 #	3-16 #	2L-8 # @ 100 C/C
RB6	250 x 450	3-16 #	3-16 #	3-16 #	3-16 #	2L-8 # @ 100 C/C
WTB	250 x 450	3-16 #	2-16 #	3-16 #	3-16 #	2L-8 # @ 100 C/C
MRB	250 x 400	3-12 #	3-12 #	3-12 #	3-12 #	2L-8 # @ 100 C/C
LMFB	250 x 400	3-16 #	2-16 #	2-20 #	+1-16 #	2L-8 # @ 100 C/C
LMRB	250 x 400	3-12 #	3-12 #	3-12 #	3-12 #	2L-8 # @ 100 C/C



TYPICAL DETAIL OF
STOOL COLUMN-BEAM
JUNCTION

SCHEDULE OF TYPICAL FLOOR SLAB, ROOF SLAB, MUMTY ROOM ROOF SLAB AND LMR ROOF SLAB (110 mm. THICK)		
BAR MKD.	REINFORCEMENT	POSITION
A	8# @ 150 mm C/C (ALL THROUGH)	BOT.
B	8# @ 150 mm C/C (ALL THROUGH)	BOT.
X	8# @ 150 mm C/C (ALL THROUGH)	BOT.
Y	8# @ 150 mm C/C (ALL THROUGH)	BOT.
C	8# @ 150 mm C/C (CURTALMENT)	TOP
(BINDER)	8# @ 150 mm C/C (ALL THROUGH)	TOP

SCHEDULE OF 135 MM. THICK TYPICAL FLOOR AND ROOF SLAB		
BAR MKD.	REINFORCEMENT	POSITION
A	8# @ 150 mm C/C (ALL THROUGH)	BOT.
B	8# @ 150 mm C/C (ALL THROUGH)	BOT.
X	8# @ 150 mm C/C (ALL THROUGH)	BOT.
Y	8# @ 150 mm C/C (ALL THROUGH)	BOT.
C	8# @ 150 mm C/C (CURTALMENT)	TOP
(BINDER)	8# @ 150 mm C/C (ALL THROUGH)	TOP

SCHEDULE OF LMR FLOOR SLAB AND WATER TANK PLATFORM SLAB (200 mm. THICK)		
BAR MKD.	REINFORCEMENT	POSITION
E	10# @ 150 mm C/C (ALL THROUGH)	BOT.
F	10# @ 150 mm C/C (ALL THROUGH)	TOP.

SPECIAL NOTES

THIS DRAWING IS VALID IF THE ARCHITECTURAL DRAWING IS FOLLOWED USING 200 mm THICK AAC BLOCKS IN EXTERNAL WALLS & 125 mm THICK AAC BLOCKS IN INTERNAL WALLS.

- NOTES:-
- UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
 - ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METERS. EXCEPT OTHERWISE MENTIONED ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS ARE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS AND INDICATE STRUCTURAL LEVEL ONLY (WITHOUT FINISH), HOWEVER ARCHITECTURAL DRAWING TO BE COORDINATED FOR ALL LEVELS.
 - ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
 - UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE Fe-500/500 D CONFORMING TO IS-1786-2008.
 - UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE DEVELOPMENT LENGTH + 50 BAR DIA.
 - CONCRETE NOMINAL COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
i) ROOF & ABOVE ROOF SLAB - 20mm
ii) LIFT SHEAR WALL - 25MM
iii) BEAMS - 30MM
iv) BEAMS SURROUNDING THE STAIR ROOM TO MEET 4 HRS. OF FIRE RESISTANCE FORM.
v) MUMTY SLAB TO MEET 4 HRS. OF FIRE RESISTANCE 45MM.
 - GRADE OF CONCRETE SHALL BE AS FOLLOWS:
FOUNDATION TO FOURTH FLOOR: M30
FOURTH FLOOR TO ROOF AND ABOVE ROOF: M25
SHALL BE DONE PROPERLY.
 - DEVELOPMENT LENGTH 500D FOR LAP & SPICES SHOULD BE PROVIDED AS PER THE PROVISIONS AND CODES IN SP-16:1987.
 - WHENEVER A SUPPORTED MEMBER TERMINATES AT A SUPPORTING MEMBER THE BARS OF THE SUPPORTED MEMBER SHOULD HAVE AN ANCHORAGE OF 50D IN THE SUPPORTING MEMBER DRAWING.
 - IN ALL CANTILEVER SLAB WITHOUT PERIPHERAL BEAMS (IF ANY) THE TOP REINFORCEMENT PARALLEL TO THE CANTILEVER SPAN SHOULD BE CONTINUED UP TO AT LEAST 1.5 TIMES THE CANTILEVER SPAN WITH THE ADJACENT SLAB.
 - WHEN TWO BEAMS MEET AT A COLUMN LOCATION ALONG THE SAME LINE, THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT THE BOTH SIDE.
 - LIGHT WEIGHT AAC BLOCKS ARE TO BE USED IN PLACE OF CONVENTIONAL BRICK WORK AT ALL PLACES.

TITLE
STRUCTURAL DRAWINGS OF PROPOSED G+7
STORED APARTMENT BUILDING OF "NABAUDYOG
ENTERPRISE" OVER PLOT NO. - 2063, 2064, 2065,
2066, 2067 & 2068(P), MOUZA- ARRAH, J.L.
NO. - 31, KHATIAN NO. - 4514, 4515, 4516, 406,
4508, 4509, 4510, 191, 4511, 4512, 4513, 1481,
4549, 4548 P.S. - KANSA, DIST. - PASCHIM
BARDHAMAN

CERTIFICATE OF STRUCTURAL ENGINEER
THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME, CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.
Signature: Subhadra Chakraborty
Subhadra Chakraborty
BCE (L.U.), MIE
CHARTERED ENGINEER
ESE NO. - 204 (I) OF KMC
W. B. U. T.

SIGNATURE OF THE VETTING AUTHORITY
DR. DIPANKAR CHAKRABORTY
Professor, Civil Engineering Department
Jadavpur University, Kolkata-700032
M. E. (I), Civil Engineer
M. Tech (IT ROP) - Gold Medalist
P.L.D. (IT ROP) - Gold Medalist
ESE NO. - 204 (I) OF KMC
W. B. U. T.

CERTIFICATE OF ARCHITECT/ENGINEER
I SO HEREBY CERTIFY AND ACCEPT WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN PREPARED BY ME KEEPING THE PROVISION OF NBC OF INDIA AND CERTIFY THAT IT IS SAFE & STABLE IN ALL RESPECT.
Signature: Vilaya Singh Mazumdar
VILAYA SINGH MAZUMDAR
Consulting Architect
DMC Registered (CA/12/07/009)
REGD. ARCHT. (S&V) KOLKATA
VILAYA SINGH
CONSULTING ARCHITECT
DMC REGISTERED
LIC NO. - DMC/RPD/90

DECLARATION OF GEOTECHNICAL ENGINEER
THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT
Signature: Tusharbaran Palari
TUSHARBARAN PALARI
M.E. (Str.), Chartered Engineer
P.E.C., Associate Engineer
Bachala, Kolkata-700 034

CERTIFICATE OF OWNERS
THIS IS TO CERTIFY THAT I SHALL NOT ON A LATER DATE, MAKE ANY ADDITION OR ALTERATION TO THIS PLAN, THIS IS CERTIFIED THAT I HAVE ONE THROUGH THE USE OF INK AND ALSO ABSE BY THESE RULES DURING AND LATER CONSTRUCTION OF BUILDING.
Signature: Naba Kumar Paul
NABAUDYOG ENTERPRISE
NABA KUMAR PAUL
Proprietor

SIC. OF PANCHAYAT PRADHAN
Approved by Architect Engineer Panchay
Bardhaman Jilla Panchayat vide Memo
NO - DE/PSB/P/264 dt - 20/9/19
APPROVED
Jyoti Mukherjee
Pradhan 24/09/19
Malandi Gram Panchayat

DRAWING TITLE
ROOF & ABOVE ROOF BEAM AND SLAB LAYOUT PLAN AND
BEAM SCHEDULES AND DETAILS OF SLAB REINFORCEMENT
SCALE - 1:100 OR AS SHOWN
DATE - 27.07.2018
SHEET NO. - 4 OF 4