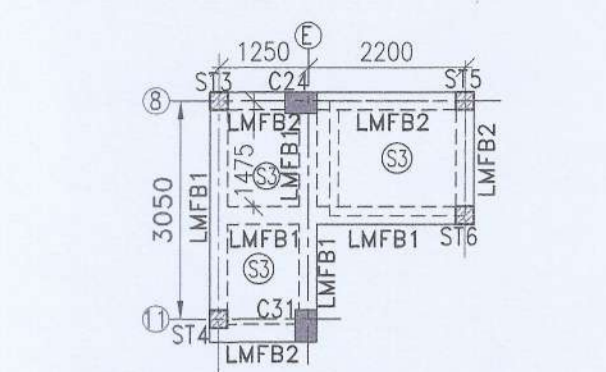
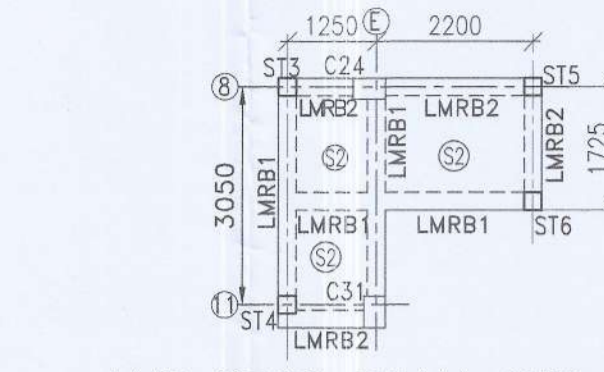


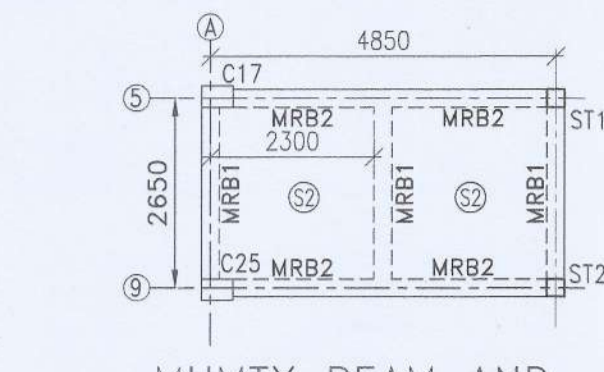
ROOF BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)14.950m.
S1 MARKED SLABS ARE 115mm. THICK.
HLB REFERS TO HALF LANDING BEAM.
SCALE-1:100



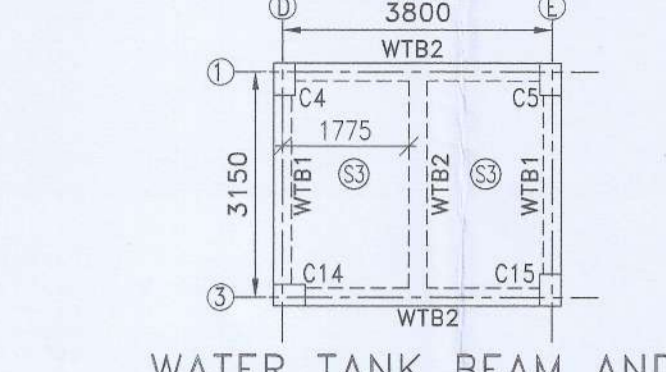
LMR FLOOR BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)16.450m.
S3 MARKED SLAB ARE 150mm. THICK.
SCALE-1:100



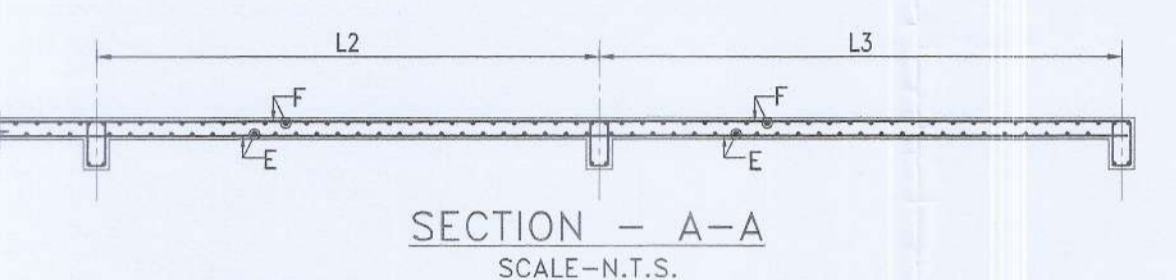
LMR ROOF BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)18.850m.
S2 MARKED SLABS ARE 115mm. THICK.
SCALE-1:100



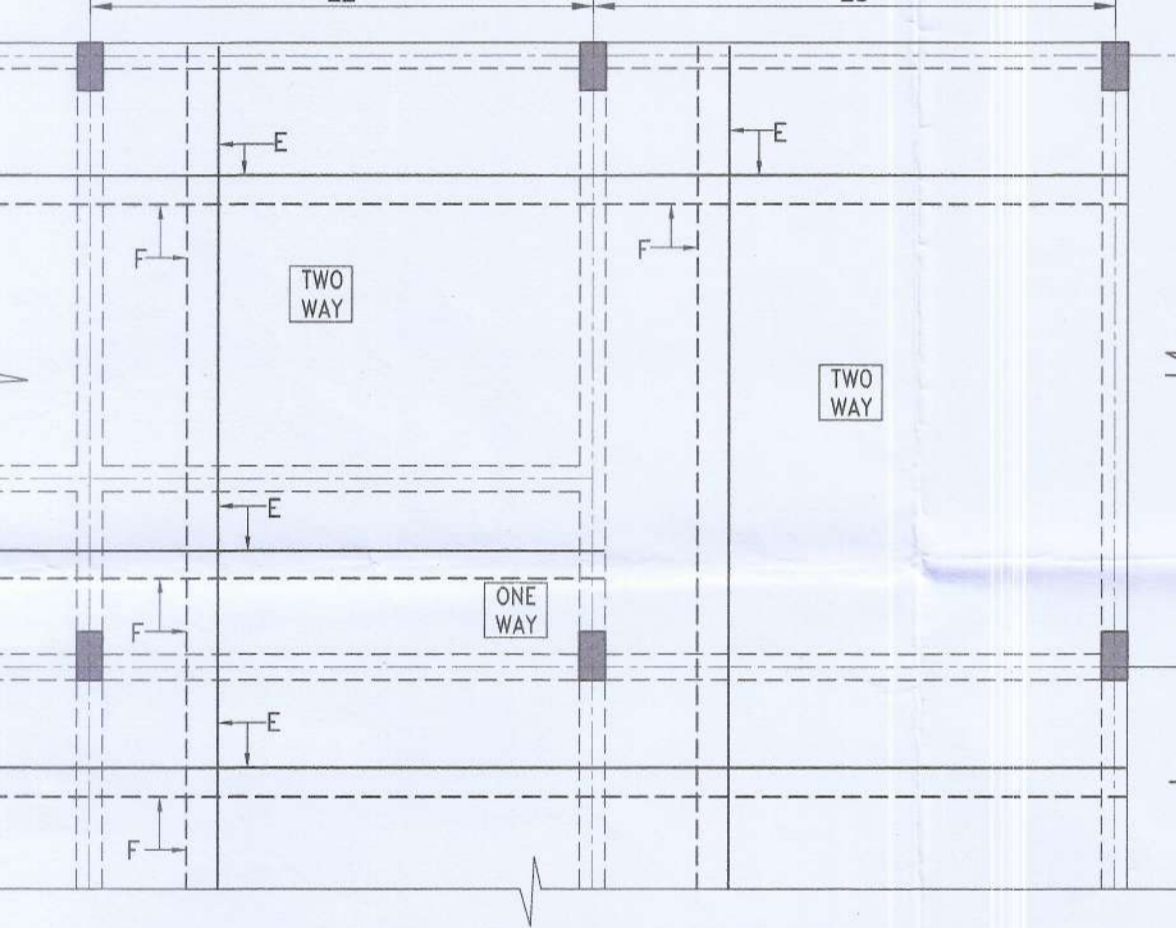
MUMTY BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)17.350m.
S2 MARKED SLABS ARE 115mm. THICK.
SCALE-1:100



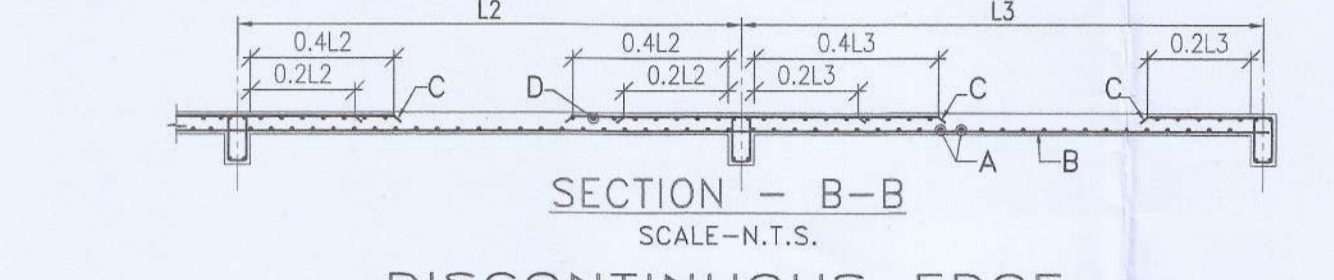
WATER TANK BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)15.550m.
WATER TANK CAPACITY- 10,000 LIT.
S3 MARKED SLABS ARE 150mm. THICK.
SCALE-1:100



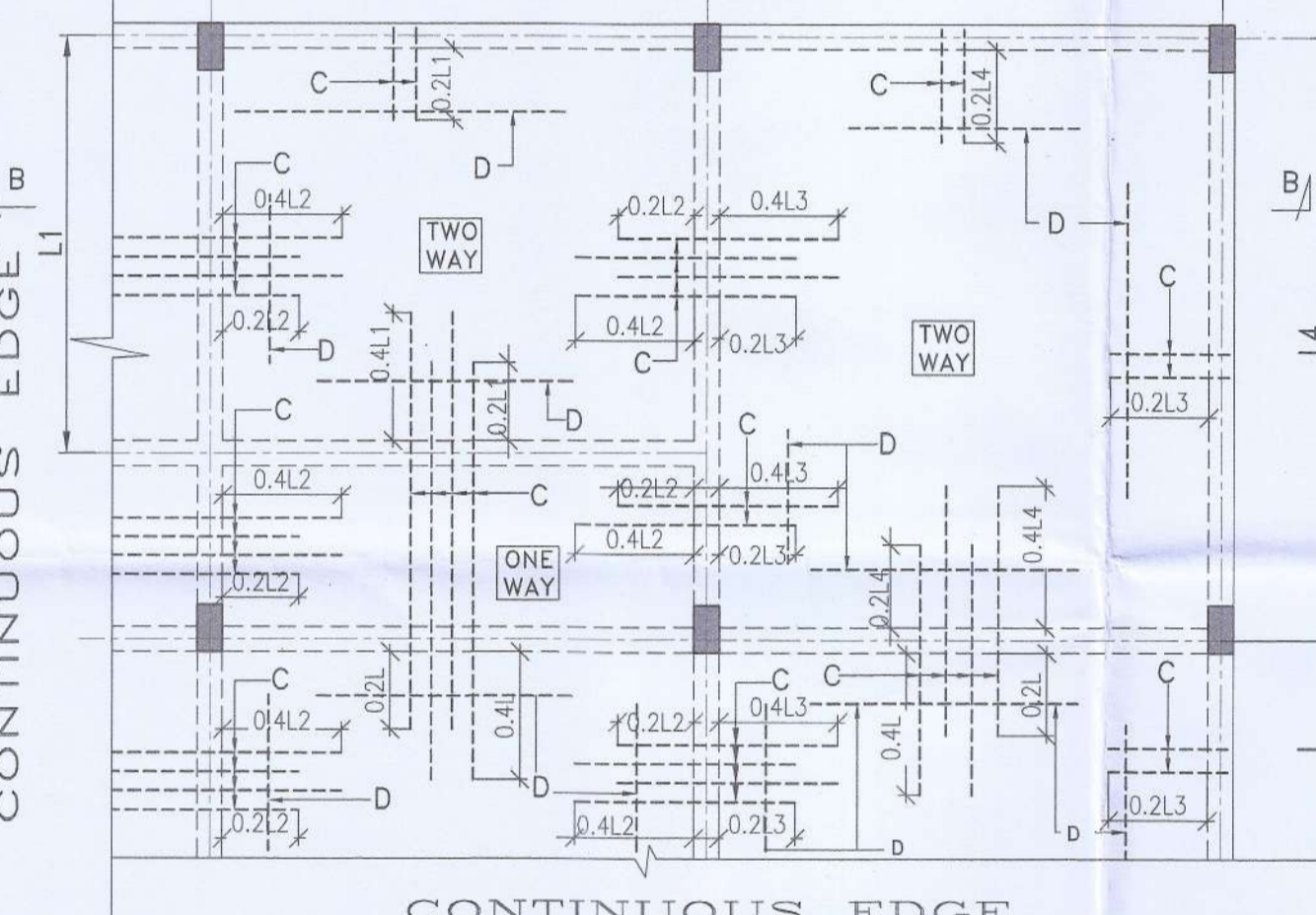
SECTION - A-A DISCONTINUOUS EDGE
SCALE-N.T.S.



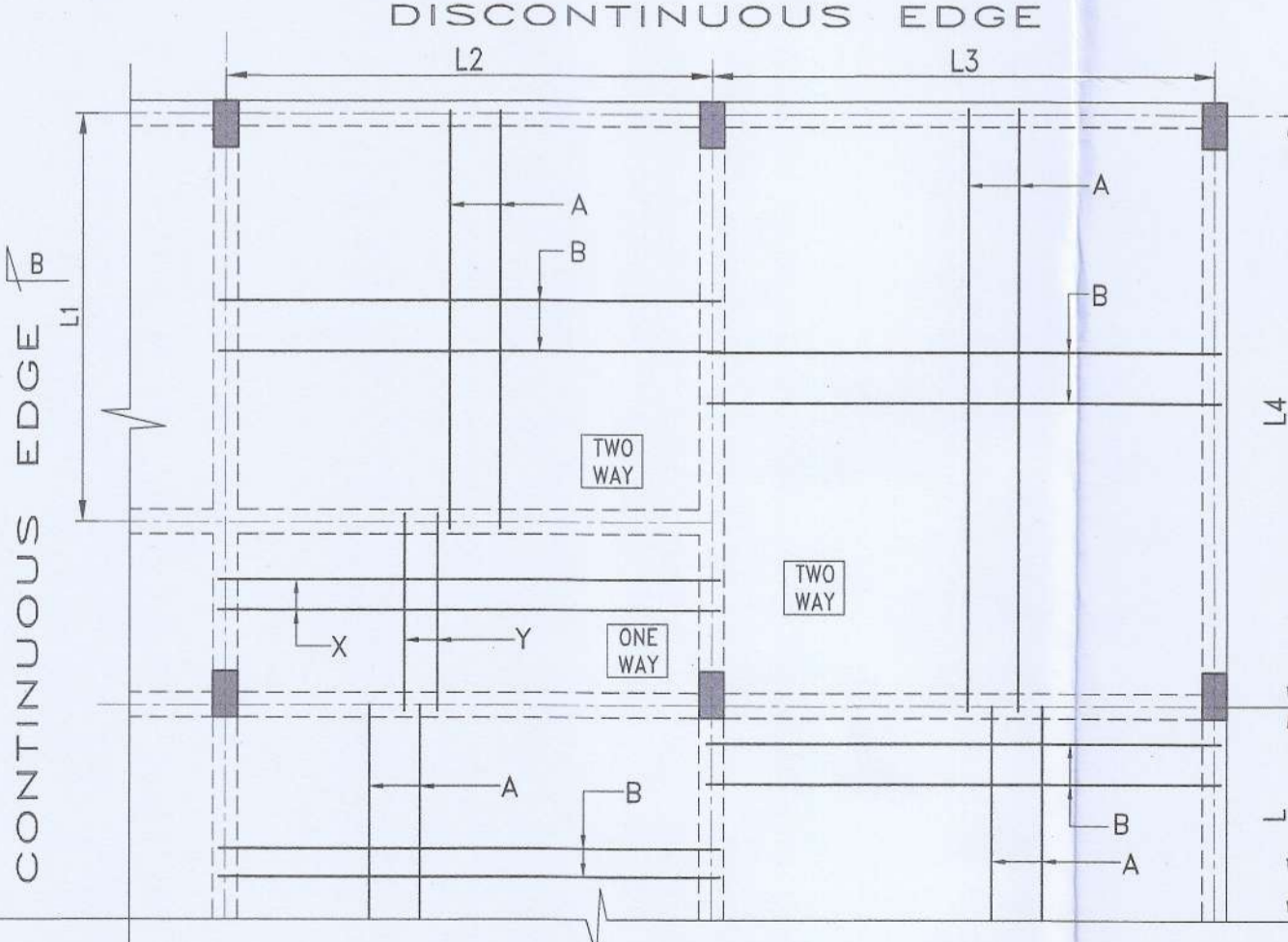
TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP & BOTTOM)
(SLAB MARKED S2 & S3)
SCALE-N.T.S.



SECTION - B-B DISCONTINUOUS EDGE
SCALE-N.T.S.



TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP)
(SLAB MARKED S1)
SCALE-N.T.S.



TYPICAL DETAILS OF SLAB REINFORCEMENT (BOTTOM)
(SLAB MARKED S1)
SCALE - N.T.S.

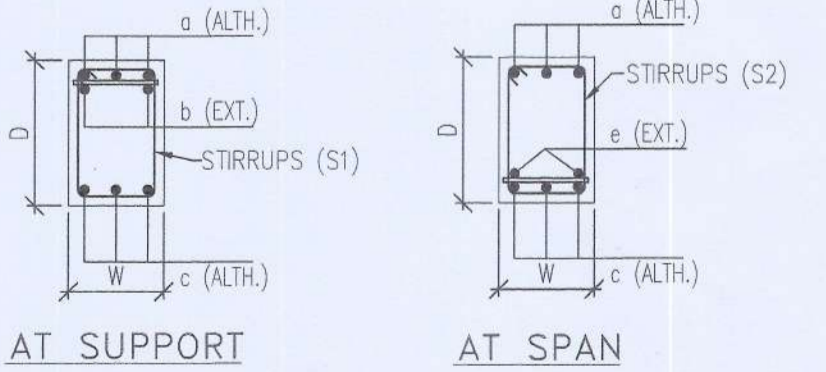
SCHEDULE OF ROOF BEAMS							
BEAM MARKED	BEAM SIZE WIDTH (W) DEPTH (D) (mm)	TOP REINFORCEMENT ALTHROUGH (a) EXTRA AT SUPPORT (b)	BOTTOM REINFORCEMENT ALTHROUGH (c) EXTRA AT SPAN (e)	STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)		
RB1	250 400	3-12 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C		
RB2	250 450	3-12 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C		
RB3	250 450	3-12 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C		
RB4	250 450	3-12 Φ	2-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C		
RB5	250 450	3-12 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C		
RB6	250 450	3-12 Φ	3-16 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C		
RB7	250 450	3-12 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C		
HLB	250 450	3-12 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C		

SCHEDULE OF ABOVE ROOF BEAMS							
BEAM MARKED	BEAM SIZE WIDTH (W) DEPTH (D) (mm)	TOP REINFORCEMENT ALTHROUGH (a) EXTRA AT SUPPORT (b)	BOTTOM REINFORCEMENT ALTHROUGH (c) EXTRA AT SPAN (e)	STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)		
WTB1	250 350	3-12 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C		
WTB2	250 350	3-12 Φ	2-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C		
MRB1	250 400	3-12 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C		
MRB2	250 400	3-12 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C		
LMFB1	250 400	3-12 Φ	2-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C		
LMFB2	250 400	3-12 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C		
LMRB1	250 400	3-12 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C		
LMRB2	250 400	3-12 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C		

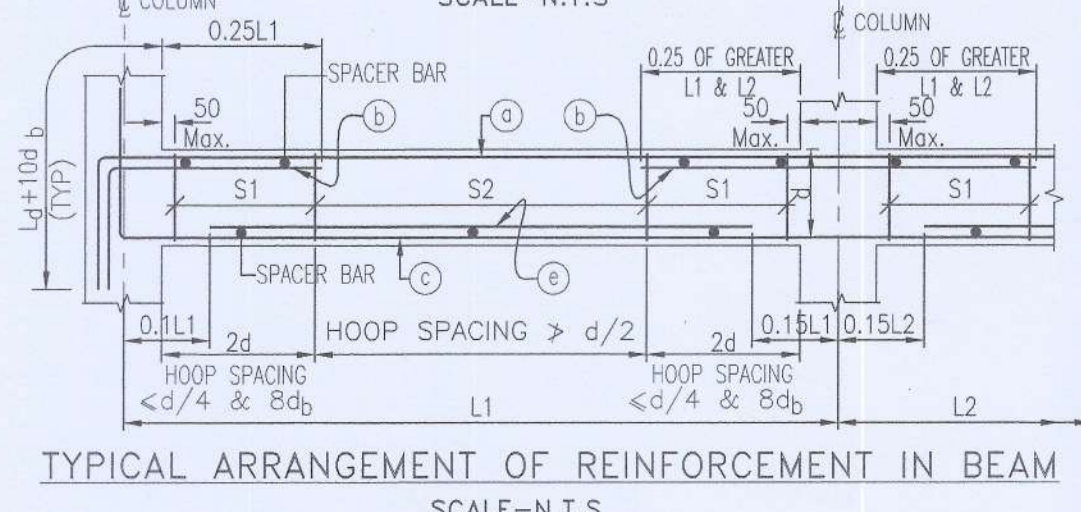
SCHEDULE OF S2 MARKED SLABS (MUMTY & LMR ROOF SLAB THICKNESS-115mm.)		
BAR MKD.	REINFORCEMENT	POSITION
E	8T @ 150 mm C/C (ALL THROUGH)	BOT.
F	8T @ 150 mm C/C (ALL THROUGH)	TOP

SCHEDULE OF S3 MARKED SLABS (LMR FLOOR & WATER TANK SLAB THICKNESS-150mm.)		
BAR MKD.	REINFORCEMENT	POSITION
E	10T @ 200 mm C/C (ALL THROUGH)	BOT.
F	10T @ 200 mm C/C (ALL THROUGH)	BOT.

SCHEDULE OF S1 MARKED SLABS (TYPICAL FLOOR & ROOF SLABS THICKNESS-115mm.)		
BAR MKD.	REINFORCEMENT	POSITION
A	8Φ @ 150 mm C/C (ALL THROUGH)	BOT.
B	8Φ @ 150 mm C/C (ALL THROUGH)	BOT.
X	8Φ @ 150 mm C/C (ALL THROUGH)	BOT.
Y	8Φ @ 150 mm C/C (ALL THROUGH)	BOT.
C	8Φ @ 150mm C/C (CURTAILMENT)	TOP
D(BINDER)	8Φ @ 200 mm C/C (WHEREVER REQUIRED)	TOP



TYPICAL CROSS SECTION OF BEAM
SCALE-N.T.S.



TYPICAL ARRANGEMENT OF REINFORCEMENT IN BEAM
SCALE-N.T.S.

SPECIAL NOTES:-
1. THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.
2. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.

- 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 METER. 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).
 - 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-500/500D CONFORMING TO IS-1786-2008.
 - UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE EQUAL TO THE DEVELOPMENT LENGTH = 50x BAR DIA.
 - CONCRETE NOMINAL COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
 - i) COLUMNS : 40 mm
 - ii) BEAMS : 30 mm
 - iii) SLABS : 20 mm
 - iv) WAIST SLAB : 20 mm
 - GRADE OF CONCRETE FOR SUPERSTRUCTURE WILL BE OF M25 AS PER IS-456:2000.
 - VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
 - DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987
 - WHEREVER A SUPPORTED MEMBER TERMINATES AT A SUPPORTING MEMBER THE BARS OF THE SUPPORTED MEMBER SHOULD HAVE AN ANCHORAGE OF 60D IN THE SUPPORTING MEMBER.
 - WHEN TWO BEAMS MEET AT A COLUMN LOCATION ALONG THE SAME LINE THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT BOTH SIDE.
 - ALL CANTILEVER SLAB WITHOUT PERIPHERAL BEAMS THE TOP REINFORCEMENT PARALLEL TO THE CANTILEVER SPAN SHOULD BE CONTINUED UPTO ATLEAST 1.5 TIMES THE CANTILEVER SPAN WITHIN THE ADJACENT SLAB.

TITLE - (BLOCK-C)
STRUCTURAL DRAWING OF PROPOSED G+IV STORIED RESIDENTIAL CUM COMMERCIAL BUILDING AT MOUZA - KALIKAPUR, JL NO :- 40 R.S/L.R. DAG NOS:- 437; L.R. KHATIAN NOS:- 3782,3995, R.S. NO:-141,TOUZI NO.-10,P.S.-RAJARIAT UNDER PATHARGHATA GRAM PANCHAYAT DISTRICT: NORTH 24 PARGANAS.

SIGNATURE OF OWNER
GITANJALI ENTERPRISE
Riku Chakrabarti (Roy) Partner
GITANJALI ENTERPRISE
Arbo Partner
GITANJALI ENTERPRISE
Chand K. Jha alin Partner

SIGNATURE OF ARCHITECT

SIGNATURE OF GEO-TECHNICAL ENGINEER

SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF THE VETTING AUTHORITY

SUSMITA CHOUDHURY
J.E. TECH (CIVIL)-WB/JT
M.E. (CONSTRUCTION) JLU
ESTD-1985/1986
ESTD-1985/1986/664
STER/NKDA/21/000110
CVER/NKDA/10/00175
(M)-8697517321/7003201735

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Ph.-9007714478, 7003201735

DRAWING TITLE
ROOF, ABOVE ROOF BEAM AND SLAB LAYOUT PLAN WITH REINF. DETAILS, DETAILS OF SLAB.
SCALE:-1:100 OR AS SHOWN
DATE:-07.06.2024
SHEET NO.- 3 OF 3 SHEET SIZE- A1