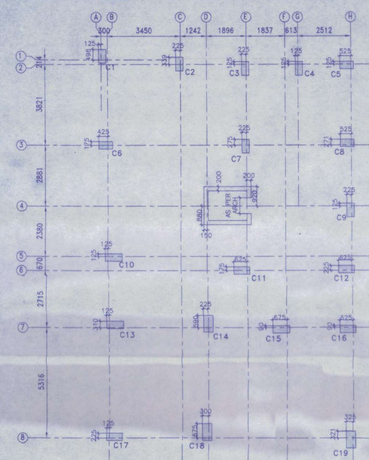
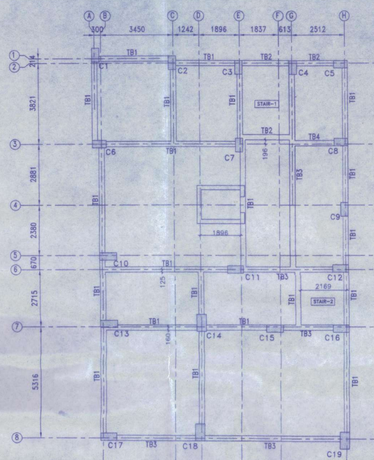
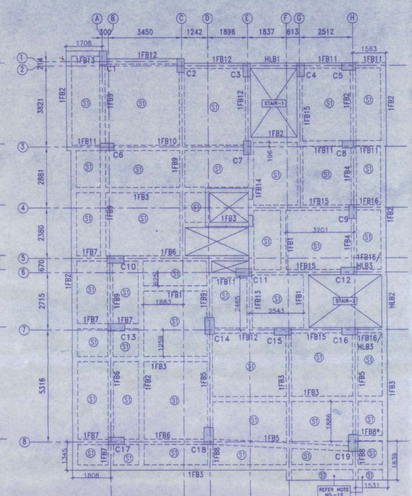


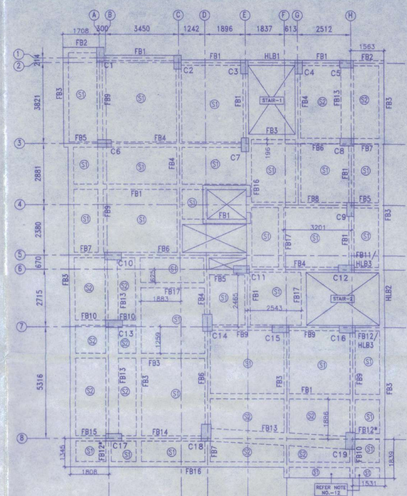
COLUMN LAYOUT PLAN
SCALE 1:100



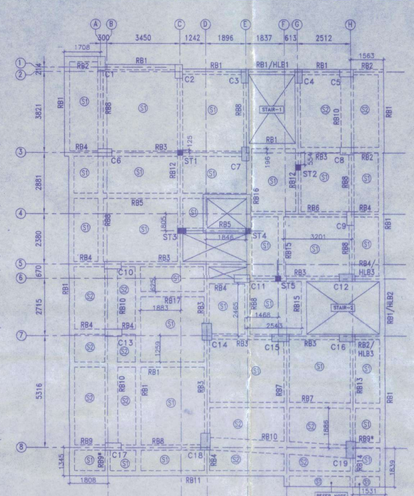
TIE BEAM LAYOUT PLAN
AT LEVEL(±)0.0m.
SCALE-1:100



1ST FLOOR BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)3.20m.
S1 MARKED SLABS ARE 115mm. THICK.
FOR '*' MARKED BEAM REFERS TO DETAIL 1.
HLB REFERS TO HALF LANDING BEAM.
SCALE 1:100



TYPICAL FLOOR BEAM AND SLAB LAYOUT PLAN AT LEVELS
(+)6.25m,(+)9.30m,(+)12.35m,(+)15.40m,(+)18.45m.
S1 MARKED SLABS ARE 115mm. THICK.
S2 MARKED SLABS ARE 150mm. THICK.
FOR '*' MARKED BEAM REFERS TO DETAIL 1.
HLB REFERS TO HALF LANDING BEAM.
SCALE 1:100



ROOF BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+)21.50m.
S1 MARKED SLABS ARE 115mm. THICK.
S2 MARKED SLABS ARE 150mm. THICK.
FOR '*' MARKED BEAM REFERS TO DETAIL 1.
HLB REFERS TO HALF LANDING BEAM.
SCALE 1:100

SCHEDULE OF TIE BEAMS

BEAM MARKED	BEAM SIZE WIDTH (W) (mm)	BEAM SIZE DEPTH (D) (mm)	TOP REINFORCEMENT ALTHROUGH (a)	TOP REINFORCEMENT EXTRA AT SUPPORT (b)	BOTTOM REINFORCEMENT ALTHROUGH (c)	BOTTOM REINFORCEMENT EXTRA AT SPAN (e)	STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
TB1	250	400	3-12 Φ	-	3-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
TB2	250	400	3-12 Φ	-	3-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
TB3	250	400	3-12 Φ	2-12 Φ	3-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
TB4	250	400	3-12 Φ	-	3-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C

SCHEDULE OF FIRST FLOOR BEAMS

BEAM MARKED	BEAM SIZE WIDTH (W) (mm)	BEAM SIZE DEPTH (D) (mm)	TOP REINFORCEMENT ALTHROUGH (a)	TOP REINFORCEMENT EXTRA AT SUPPORT (b)	BOTTOM REINFORCEMENT ALTHROUGH (c)	BOTTOM REINFORCEMENT EXTRA AT SPAN (e)	STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
1FB1	250	400	3-12 Φ	-	3-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
1FB2	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
1FB3	250	450	(#FB3) 3-16 Φ +2-12 Φ (#FB3) 3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	3-16 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
1FB4	250	450	3-16 Φ +2-12 Φ	2-12 Φ	3-16 Φ +2-12 Φ	2-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
1FB5	250	450	3-20 Φ	3-20 Φ	3-20 Φ	3-16 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
1FB6	250	450	3-20 Φ	3-16 Φ	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
1FB7	250	450	3-16 Φ +2-12 Φ	-	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
1FB8	250	450	3-16 Φ +2-12 Φ	-	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
1FB9	250	450	3-20 Φ	-	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
1FB10	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
1FB11	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
1FB12	250	450	3-16 Φ +2-12 Φ	3-12 Φ	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
1FB13	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
1FB14	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
1FB15	250	450	3-16 Φ +2-12 Φ	3-16 Φ	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
1FB16	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
HLB1	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
HLB2	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
HLB3	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C

SCHEDULE OF TYPICAL FLOOR BEAMS

BEAM MARKED	BEAM SIZE WIDTH (W) (mm)	BEAM SIZE DEPTH (D) (mm)	TOP REINFORCEMENT ALTHROUGH (a)	TOP REINFORCEMENT EXTRA AT SUPPORT (b)	BOTTOM REINFORCEMENT ALTHROUGH (c)	BOTTOM REINFORCEMENT EXTRA AT SPAN (e)	STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
FB1	250	450	3-20 Φ	-	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
FB2	250	450	3-20 Φ	-	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
FB3	250	450	3-16 Φ	-	3-16 Φ	3-16 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
FB4	250	450	3-16 Φ +2-12 Φ	3-16 Φ	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
FB5	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
FB6	250	450	3-16 Φ +2-12 Φ	3-20 Φ	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
FB7	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
FB8	250	450	3-16 Φ +2-12 Φ	3-16 Φ	3-16 Φ	3-16 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
FB9	250	450	3-20 Φ +2-12 Φ	3-16 Φ	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
FB10	250	450	3-20 Φ +2-12 Φ	-	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
FB11	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
FB12	250	450	3-20 Φ +2-12 Φ	-	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
FB13	600	200	6-20 Φ	-	6-20 Φ	-	4L-8 Φ@100 C/C	4L-8 Φ@150 C/C
FB14	250	450	3-20 Φ +2-20 Φ	3-20 Φ	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
FB15	250	450	3-20 Φ +2-20 Φ	-	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
FB16	250	450	3-20 Φ +2-16 Φ	-	3-20 Φ +2-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
FB17	250	400	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
HLB1	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
HLB2	250	450	3-16 Φ +3-16 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
HLB3	250	450	3-16 Φ +3-16 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C

SCHEDULE OF ROOF BEAMS

BEAM MARKED	BEAM SIZE WIDTH (W) (mm)	BEAM SIZE DEPTH (D) (mm)	TOP REINFORCEMENT ALTHROUGH (a)	TOP REINFORCEMENT EXTRA AT SUPPORT (b)	BOTTOM REINFORCEMENT ALTHROUGH (c)	BOTTOM REINFORCEMENT EXTRA AT SPAN (e)	STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
RB1	250	450	3-16 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB2	250	450	3-16 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
RB3	250	450	3-16 Φ	3-16 Φ	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB4	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
RB5	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB6	250	450	3-16 Φ +2-12 Φ	3-16 Φ	3-16 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB7	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ	3-12 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB8	250	450	3-16 Φ +2-12 Φ	-	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB9	250	450	3-20 Φ +2-12 Φ	-	3-20 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
RB10	600	200	6-20 Φ	-	6-20 Φ	-	4L-8 Φ@100 C/C	4L-8 Φ@150 C/C
RB11	250	450	3-20 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB12	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
RB13	250	450	3-16 Φ +2-12 Φ	3-20 Φ	3-16 Φ	3-16 Φ	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB14	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
RB15	250	400	3-16 Φ +2-12 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
RB16	250	450	3-16 Φ +2-12 Φ	-	3-20 Φ +2-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
HLB1	250	450	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
HLB2	250	450	3-16 Φ +3-16 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
HLB3	250	450	3-16 Φ +3-16 Φ	-	3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C

SCHEDULE OF ABOVE ROOF BEAMS

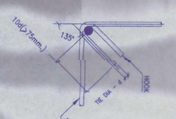
BEAM MARKED	BEAM SIZE WIDTH (W) (mm)	BEAM SIZE DEPTH (D) (mm)	TOP REINFORCEMENT ALTHROUGH (a)	TOP REINFORCEMENT EXTRA AT SUPPORT (b)	BOTTOM REINFORCEMENT ALTHROUGH (c)	BOTTOM REINFORCEMENT EXTRA AT SPAN (e)	STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
MRB1	250	400	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
MRB2	250	400	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C
MRB3	250	400	3-16 Φ +2-12 Φ	2-12 Φ	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
WTB1	250	450	3-25 Φ +3-16 Φ	3-25 Φ	3-16 Φ +3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
WTB2	250	450	3-20 Φ +3-16 Φ	-	3-16 Φ +3-16 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
WTB3	250	450	3-20 Φ +3-16 Φ	3-20 Φ	3-20 Φ +3-16 Φ	3-16 Φ	2L-8 Φ@100 C/C	2L-8 Φ@150 C/C
LMRB	250	400	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
LMTB1	250	400	3-16 Φ +2-12 Φ	2-12 Φ	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
LMTB2	250	400	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@200 C/C
LMTB3	250	400	3-16 Φ +2-12 Φ	-	3-16 Φ +2-12 Φ	-	2L-8 Φ@100 C/C	2L-8 Φ@100 C/C

SCHEDULE OF STOOL COLUMNS

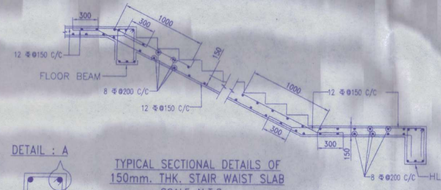
COLUMN MARKED	NOS. OF COLUMNS	COLUMN SIZE (mm x mm)	ROOF TO ABOVE ROOF	STIRRUP ARRANGEMENT & SPACING
ST1,ST4 (ROOF TO LMR ROOF)	02	250x250	250, 250, MAIN RNF.:- 8-16 Φ	8 Φ@150 C/C (2 NOS. CLOSED LINK)
ST2,ST5 (ROOF TO MUMTY)	02	250x250	250, 250, MAIN RNF.:- 4-16 Φ	8 Φ@150 C/C (1 NO CLOSED LINK)
ST3 (ROOF TO LMR ROOF)	01	250x400	250, 400, MAIN RNF.:- 8-16 Φ	8 Φ@150 C/C (2 NOS. CLOSED LINK)

SCHEDULE OF COLUMNS

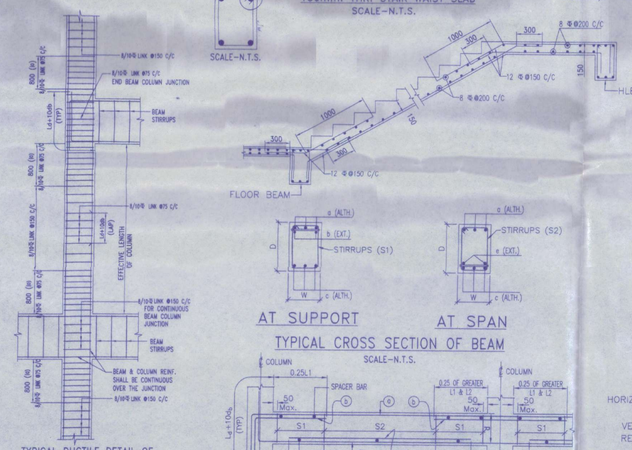
COLUMN MARKED	NOS. OF COLUMNS	COLUMN SIZE (mm x mm)	FOUNDATION TO 4TH FLOOR	4TH FLOOR TO ROOF/ ABOVE ROOF	STIRRUP ARRANGEMENT & SPACING NEAR JUNCTION(lo)	STIRRUP ARRANGEMENT & SPACING REST PORTION
C1,C2,C3, C4,C5,C6, C7,C8,C9	09	350X650	350, 650, MAIN RNF.:-14-16 Φ	350, 650, MAIN RNF.:-14-16 Φ	8 Φ@75 C/C (3 NOS. CLOSED LINK) (2 NOS. OPEN LINK)	8 Φ@150 C/C (3 NOS. CLOSED LINK) (2 NOS. OPEN LINK)
C11,C12,C17	03	350X750	350, 750, MAIN RNF.:-16-16 Φ	350, 750, MAIN RNF.:-16-16 Φ	8 Φ@75 C/C (3 NOS. CLOSED LINK) (3 NOS. OPEN LINK)	8 Φ@150 C/C (3 NOS. CLOSED LINK) (3 NOS. OPEN LINK)
C16	01	350X750	350, 750, MAIN RNF.:- 4-25 Φ +12-20 Φ	350, 750, MAIN RNF.:- 4-25 Φ +12-20 Φ	10 Φ@75 C/C (3 NOS. CLOSED LINK) (3 NOS. OPEN LINK)	10 Φ@150 C/C (3 NOS. CLOSED LINK) (3 NOS. OPEN LINK)
C10,C13,C15	03	350X800	350, 800, MAIN RNF.:-12-16 Φ +4-12 Φ	350, 800, MAIN RNF.:-12-16 Φ +4-12 Φ	8 Φ@75 C/C (4 NOS. CLOSED LINK) (2 NOS. OPEN LINK)	8 Φ@150 C/C (4 NOS. CLOSED LINK) (2 NOS. OPEN LINK)
C14,C18,C19	03	450X800	450, 800, MAIN RNF.:-10-25 Φ +8-20 Φ	450, 800, MAIN RNF.:- 6-25 Φ +12-20 Φ	10 Φ@75 C/C (3 NOS. CLOSED LINK) (4 NO. OPEN LINK)	10 Φ@150 C/C (3 NOS. CLOSED LINK) (2 NOS OPEN LINK)



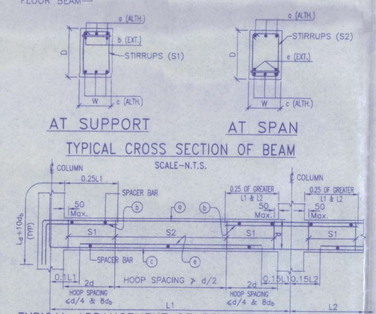
DETAIL : A
(TYPICAL DETAIL OF 135° HOOK)
SCALE-N.T.S.



TYPICAL SECTIONAL DETAILS OF
150mm. THK. STAIR WAIST SLAB
SCALE-N.T.S.

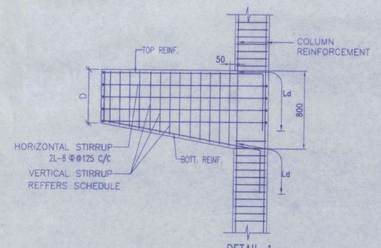


TYPICAL DUCTILE DETAIL OF
BEAM COLUMN JUNCTION
Ld = DEVELOPMENT LENGTH IN TENSION
db = DIAMETER OF LONGITUDINAL BAR
SCALE-N.T.S

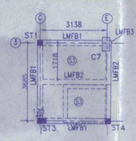


TYPICAL CROSS SECTION OF BEAM
SCALE-N.T.S.

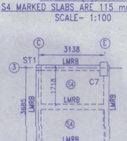
TYPICAL ARRANGEMENT OF REINFORCEMENT IN BEAM
SCALE-N.T.S.



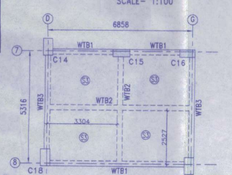
DETAIL 1
TYPICAL DUCTILE CORBEL BEAM
N.T.S.



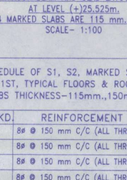
LMR FLOOR BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+)22.70m.
S3 MARKED SLABS ARE 150 mm. THICK.
SCALE- 1:100



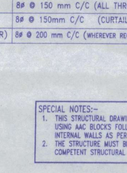
LMR ROOF BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+)25.525m.
S4 MARKED SLABS ARE 115 mm. THICK.
SCALE- 1:100



WATER TANK BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+)22.50m.
WATER TANK CAPACITY- 50,000 LIT.
S3 MARKED SLABS ARE 150 mm. THICK
SCALE 1:100



MUMTY-1 ROOF BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+)23.95m.
S4 MARKED SLABS ARE 115 mm. THICK.
SCALE- 1:100



MUMTY-2 ROOF BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+)23.95m.
S4 MARKED SLABS ARE 115 mm. THICK.
SCALE- 1:100

SCHEDULE OF S1, S2, MARKED SLABS
(1ST, TYPICAL FLOORS & ROOF SLABS THICKNESS-115mm.,150mm..)

BAR MKD.	REINFORCEMENT
A	8# @ 150 mm C/C (ALL THROUGH)
B	8# @ 150 mm C/C (ALL THROUGH)
X	8# @ 150 mm C/C (ALL THROUGH)
Y	8# @ 150 mm C/C (ALL THROUGH)
C	8# @ 150mm C/C (CURTAILMENT)
D(BINDER)	8# @ 200 mm C/C (WHEREVER REQUIRED)

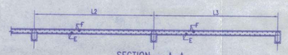
SCHEDULE OF S3 MARKED SLABS
(LMR FLOOR & WATER TANK, SLAB THICKNESS-150mm.)

BAR MKD.	REINFORCEMENT
E	10T @ 200 mm C/C (ALL THROUGH)
F	10T @ 200 mm C/C (ALL THROUGH)

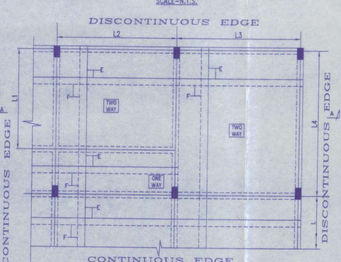
SCHEDULE OF S4 MARKED SLABS
(MUMTY & LMR ROOF SLAB THICKNESS-115mm.)

BAR MKD.	REINFORCEMENT
E	8T @ 150 mm C/C (ALL THROUGH)
F	8T @ 150 mm C/C (ALL THROUGH)

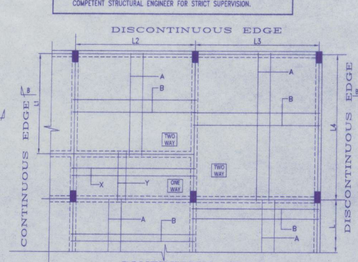
SPECIAL NOTES:-
1. THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.
2. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.



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

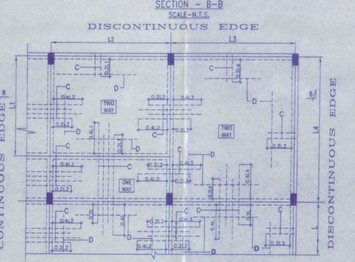


TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP & BOTTOM)
(SLAB MARKED S3 & S4)
(SCALE- N.T.S.)



TYPICAL DETAILS OF SLAB REINFORCEMENT (BOTTOM)
(SLAB MARKED S1 & S2)
(SCALE - N.T.S.)

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



TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP)
(SLAB MARKED S1 & S2)
(SCALE-N.T.S)

NOTES :
1. UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
2. 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).
3. ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
4. UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE Fe-500/500D CONFORMING TO IS-1786-2008.
5. UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE EQUAL TO THE DEVELOPMENT LENGTH = 50xBAR DIA.
6. 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
7. GRADE OF CONCRETE FOR SUPERSTRUCTURE UPTO AND INCLUDING 4TH FLOOR WILL BE M30 AND ABOVE 4TH FLOOR WILL BE M25 AS PER IS:456:2000.
8. VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
9. DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987
10. 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.
11. WHEN TWO BEAMS MEET AT A COLUMN LOCATION ALONG THE SAME LINE THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT BOTH SIDE.
12. 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

STRUCTURAL DRAWING OF PROPOSED SEVEN (G+6) STORIED RESIDENTIAL APARTMENT OF 1.) DHIREN DAS, 2.)SURBALA DAS OVER R.S PLOT NO:- 1596(P), L.R PLOT:- 2171 KHATIAN NO- 5248, 5249, J.L. NO - 91, OF MOUZA - ARRAH, P.S.-KANKSA, DIST. - PASCHIM BURDWAN.

SIGNATURE OF OWNER

SIGNATURE OF CONSULTANT/ARCHITECT

AR. JUI CHATTERJEE, ARCH
Registration No.: CA/2021/134352
Ph.: 9434649394, 7501093411
413/3, Suhatta Commercial Complex,
City: Durgapur, - 713216
JUI CHATTERJEE
(COA REG NO:- CA/2021/134352)

SIGNATURE OF PANCHAYET PRADHAN

APPROVED
Vide Memo No. 2164/Plan/P Dt. 30-11-2023
OF PASCHIM BARDHAMAN ZILA PARISHAD
Additional Executive Officer

Pradhan
Malandighi Gram Panchayet

SIGNATURE OF GEO-TECHNICAL ENGINEER

ASIM SARKAR
BCE, ME(SOIL), M.TECH (STRUCTURE), MIGS, MIE
EMPANELLED GEOTECHNICAL ENGINEER
KMC NO.- CLASS I / 2

SIGNATURE OF STRUCTURAL ENGINEER

SUSMITA CHOUDHURY
B.TECH (CIVIL) - WBUT
ME (CONSTRUCTION) - JU
ESE-I/BUPSC/139
ESE-II/KMC/664
BTER/NKDA/21/00010
CVE/80/NDDA/10/000176
(M)- 8697517321/7003201735

SIGNATURE OF THE VETTING AUTHORITY

CHECKED & VETTED
DR. DEPANKAR CHOUDHURY
STRUCTURAL CONSULTANT & PROJECT MANAGER
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DRAWING TITLE

COLUMN, TIE BEAM LAYOUT PLAN, 1ST FLOOR, TYPICAL FLOOR, ROOF AND ABOVE ROOF BEAM AND SLAB LAYOUT PLAN WITH REINFORCEMENT DETAILS AND DETAILS OF STAIR

SCALE.-1:100 OR AS SHOWN
DATE.- 08.08.2023
SHEET NO.- 2 OF 2 | SHEET SIZE- A0