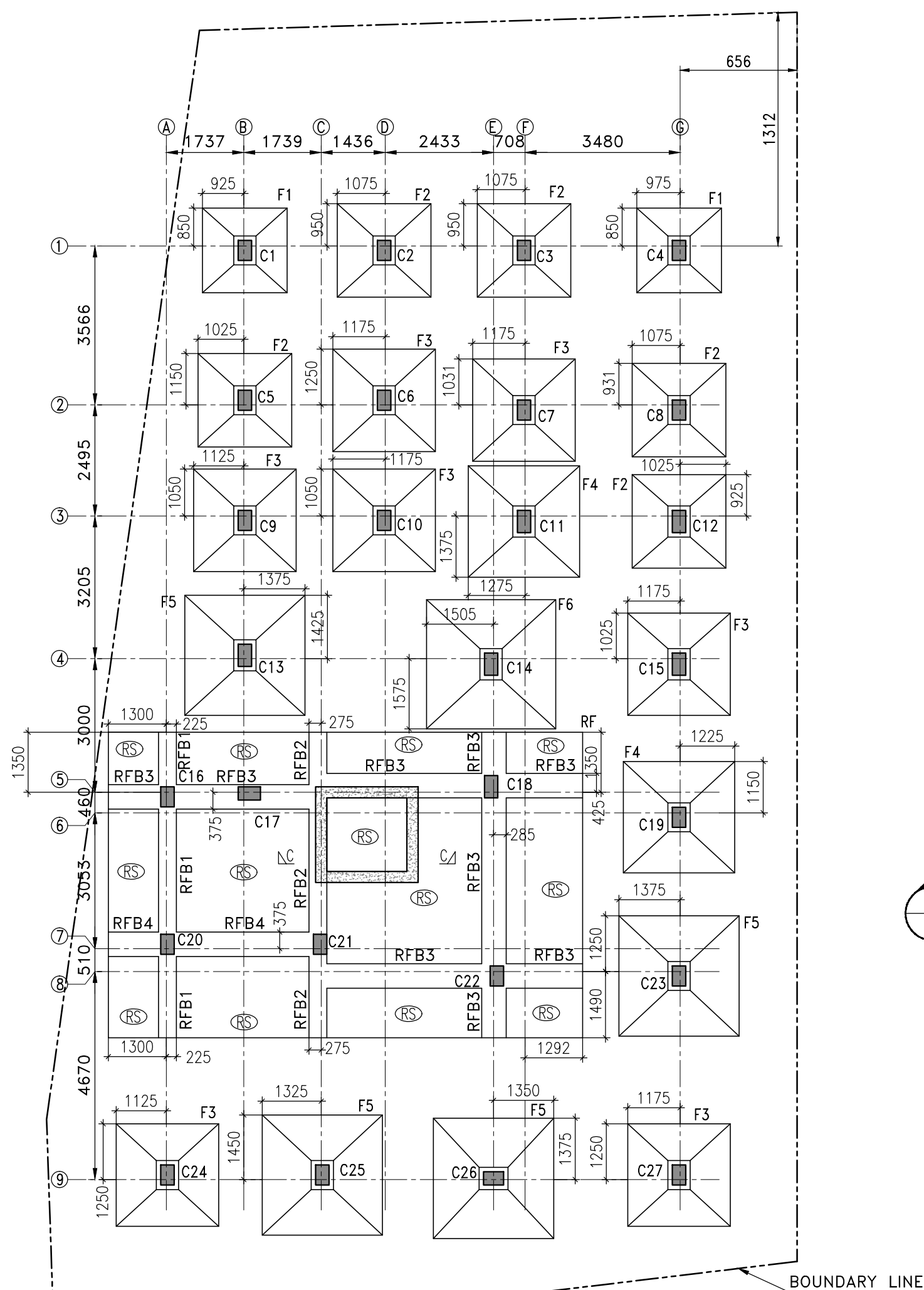
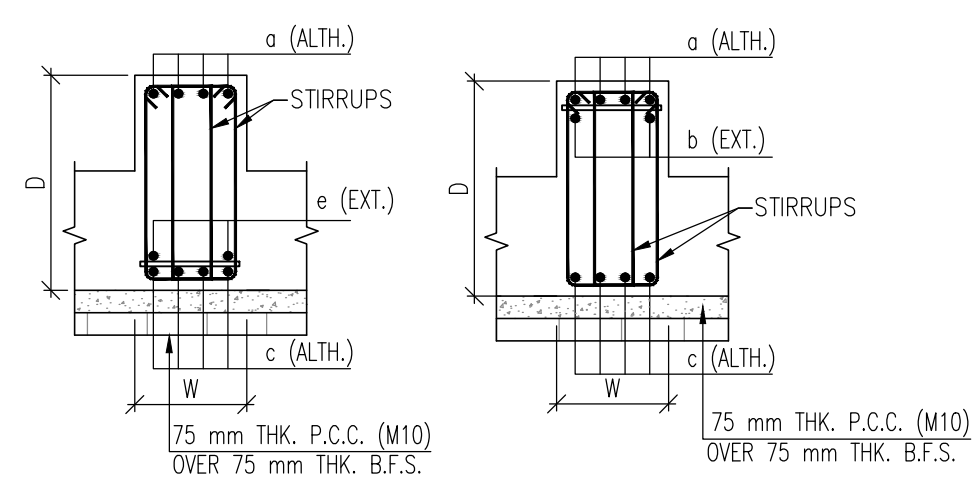
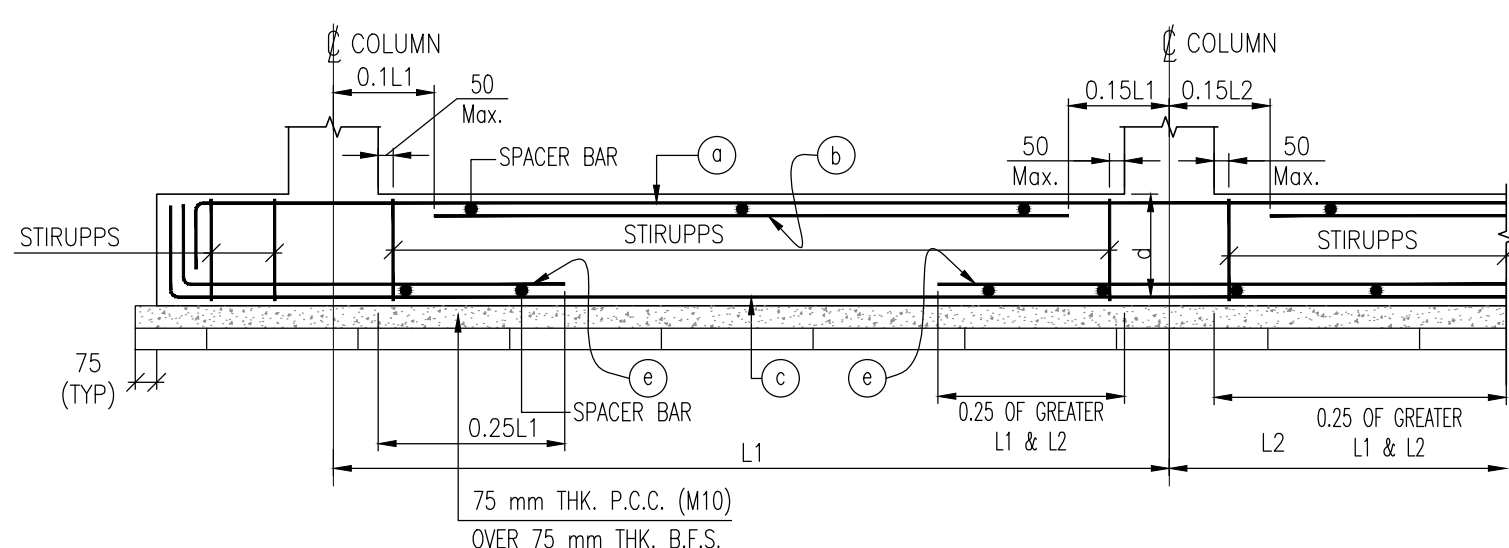




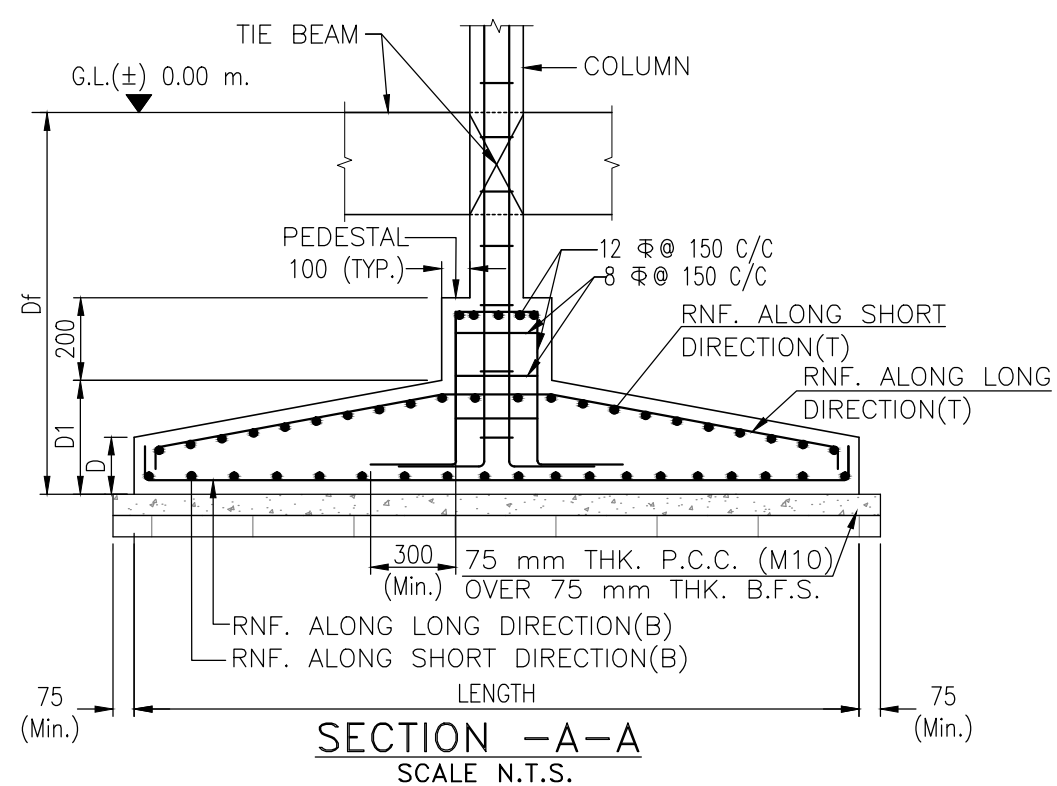
FOUNDATION LAYOUT PLAN
RS MARKED SLABS ARE 400mm. THICK.
RS REFERS TO RAFT SLABS.
SCALE 1:100



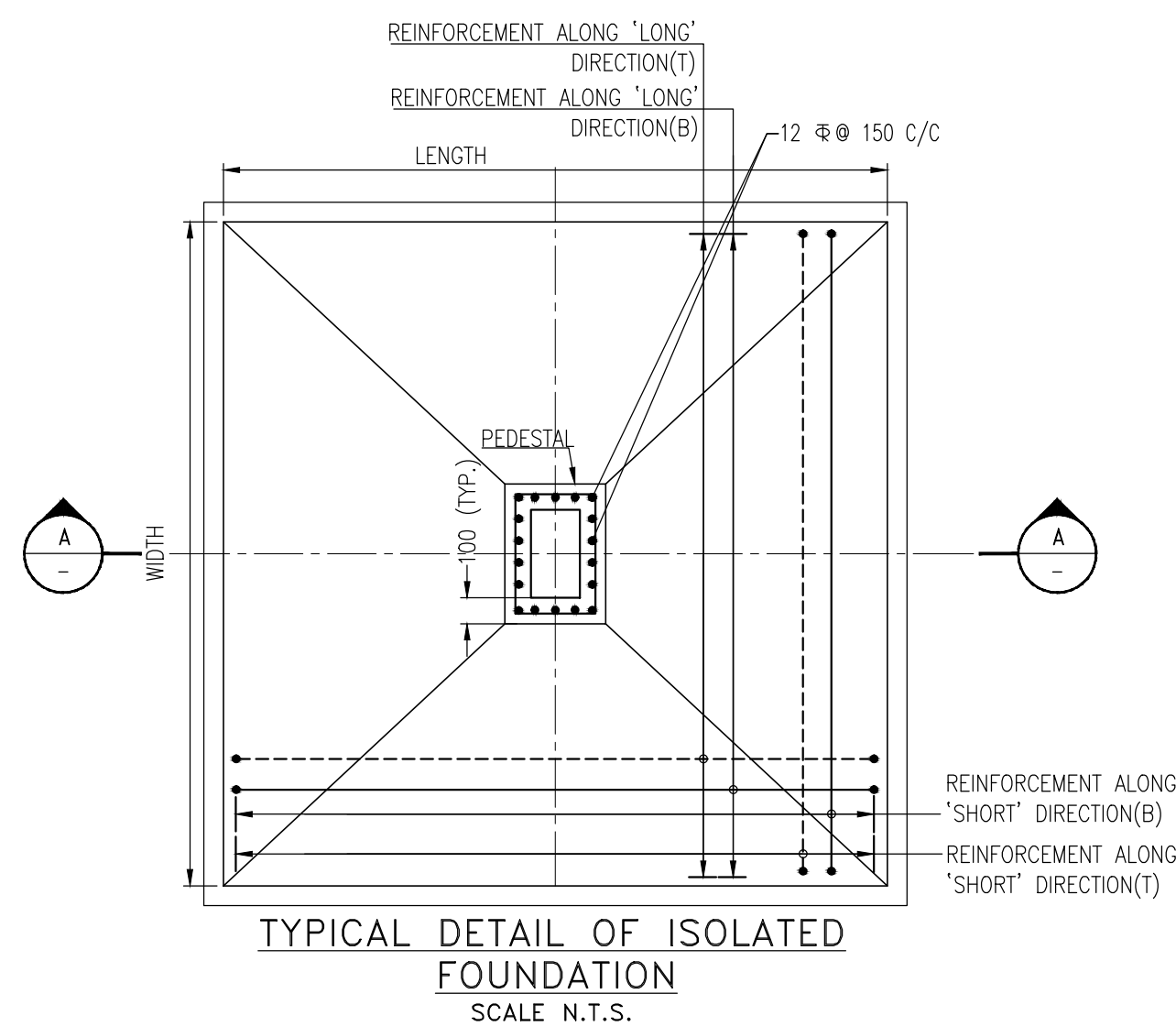
AT SUPPORT AT SPAN
TYPICAL CROSS SECTION OF FOUNDATION BEAM
SCALE - N.T.S.



TYPICAL ARRANGEMENT OF REINFORCEMENT IN
FOUNDATION BEAM
(AS PER SP 34-1987)
SCALE - N.T.S.



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



TYPICAL DETAIL OF ISOLATED
FOUNDATION
SCALE N.T.S.

NET SAFE BEARING CAPACITIES CONSIDERED FOR FOUNDATION

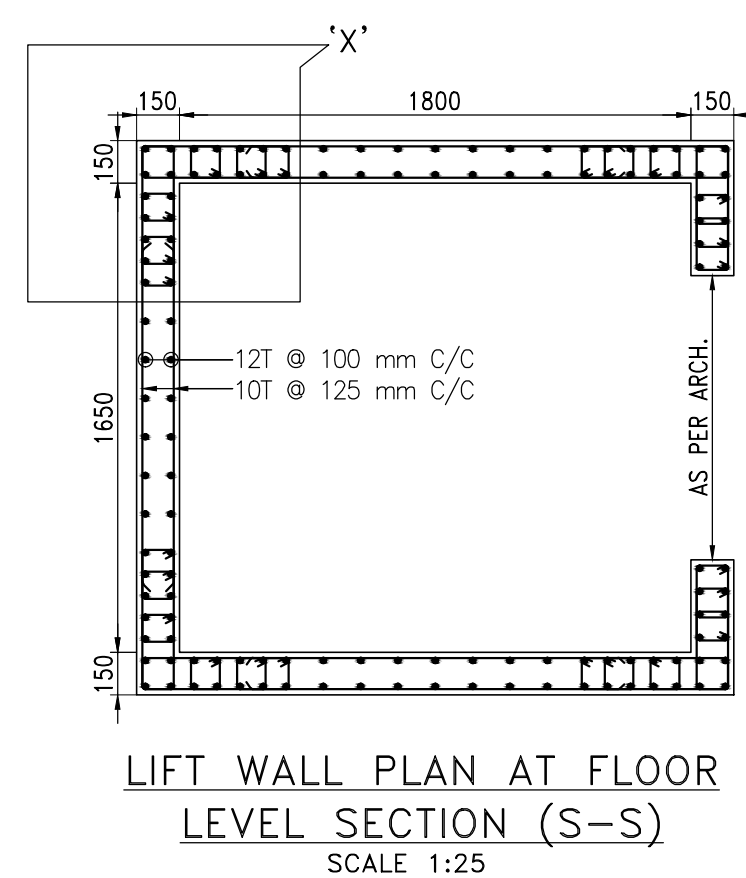
TYPE OF FOUNDATION	FOUNDATION MARK	SIZE	NET SAFE BEARING CAPACITY (T/M ²)
ISOLATED	F1	1.900m. x 1.900m.	12.80
	F2	2.100m. x 2.100m.	12.54
	F3	2.300m. x 2.300m.	12.36
	F4	2.500m. x 2.500m.	12.16
	F5	2.700m. x 2.700m.	12.04
	F6	2.900m. x 2.900m.	11.92
RAFT	RF	AS SHOWN	8.70

NOTE:-
THIS DESIGN WILL NOT BE VALID IF THIS BEARING CAPACITIES ARE NOT ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEO-TECHNICAL ENGINEER.

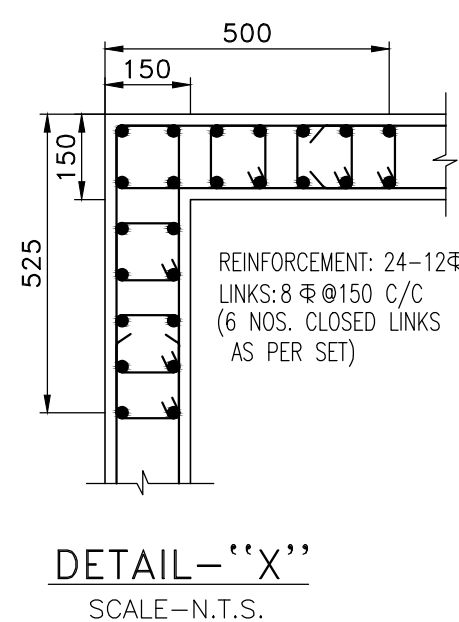
SCHEDULE OF RAFT BEAMS						
BEAM MARKED	BEAM SIZE WIDTH (W) DEPTH (D) (mm)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS
		ALTHROUGH (a)	EXTRA AT SPAN (b)	ALTHROUGH (c)	EXTRA AT SUPPORT (e)	
RFB1	400 450	4-16 Φ	-	4-16 Φ	2-16 Φ	4L-8 Φ 200 C/C
RFB2	400 450	4-20 Φ	-	4-20 Φ	4-20 Φ	4L-10 Φ 125 C/C
RFB3	550 450	5-16 Φ	-	5-16 Φ	2-16 Φ	4L-8 Φ 200 C/C
RFB4	550 450	5-16 Φ	-	5-16 Φ	-	4L-8 Φ 200 C/C

SCHEDULE OF RAFT SLABS			
SLAB MARKED	SLAB THICKNESS (mm)	REINFORCEMENT ALONG BOTH DIRECTION	
		BOTTOM	TOP
RS	400	16 Φ 125C/C	16 Φ 125C/C

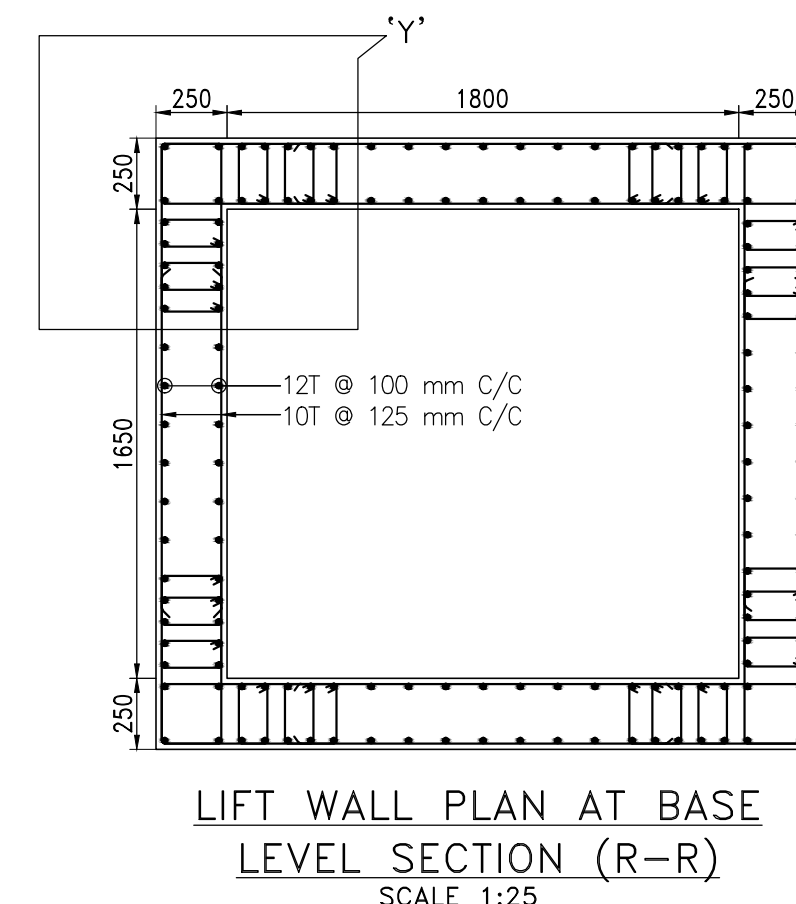
SCHEDULE FOR ISOLATED FOUNDATION										
UNDER COLUMNS MARKED	FOUNDATION MARKED	NUMBER	FOUNDATION SIZE				FOUNDATION REINFORCEMENT DETAILS			
			WIDTH (m)	LENGTH (m)	THICKNESS (mm)	DEPTH (mm)	BOTTOM REINFORCEMENT		TOP REINFORCEMENT	
					D1 (mm)	D (mm)	Df (mm)	ALONG SHORT DIRECTION	ALONG LONG DIRECTION	ALONG SHORT DIRECTION
C1,C4	F1	02	1.90	1.90	400	250	2500	12 Φ 175 C/C	12 Φ 175 C/C	8 Φ 300 C/C
C2,C3,C5,C8,C12	F2	05	2.10	2.10	400	250	2500	12 Φ 150 C/C	12 Φ 150 C/C	8 Φ 300 C/C
C6,C7,C9,C10,C15,C24,C27	F3	07	2.30	2.30	500	300	2500	12 Φ 150 C/C	12 Φ 150 C/C	8 Φ 300 C/C
C11,C19	F4	02	2.50	2.50	500	300	2500	12 Φ 150 C/C	12 Φ 150 C/C	8 Φ 300 C/C
C13,C23,C25,C26	F5	04	2.70	2.70	550	400	2500	12 Φ 125 C/C	12 Φ 125 C/C	8 Φ 300 C/C
C14	F6	01	2.90	2.90	550	400	2500	12 Φ 125 C/C	12 Φ 125 C/C	8 Φ 300 C/C



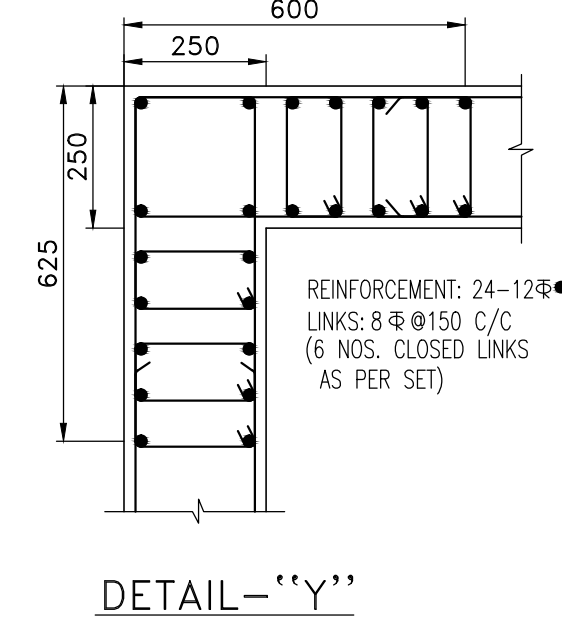
LIFT WALL PLAN AT FLOOR
LEVEL SECTION (S-S)
SCALE 1:25



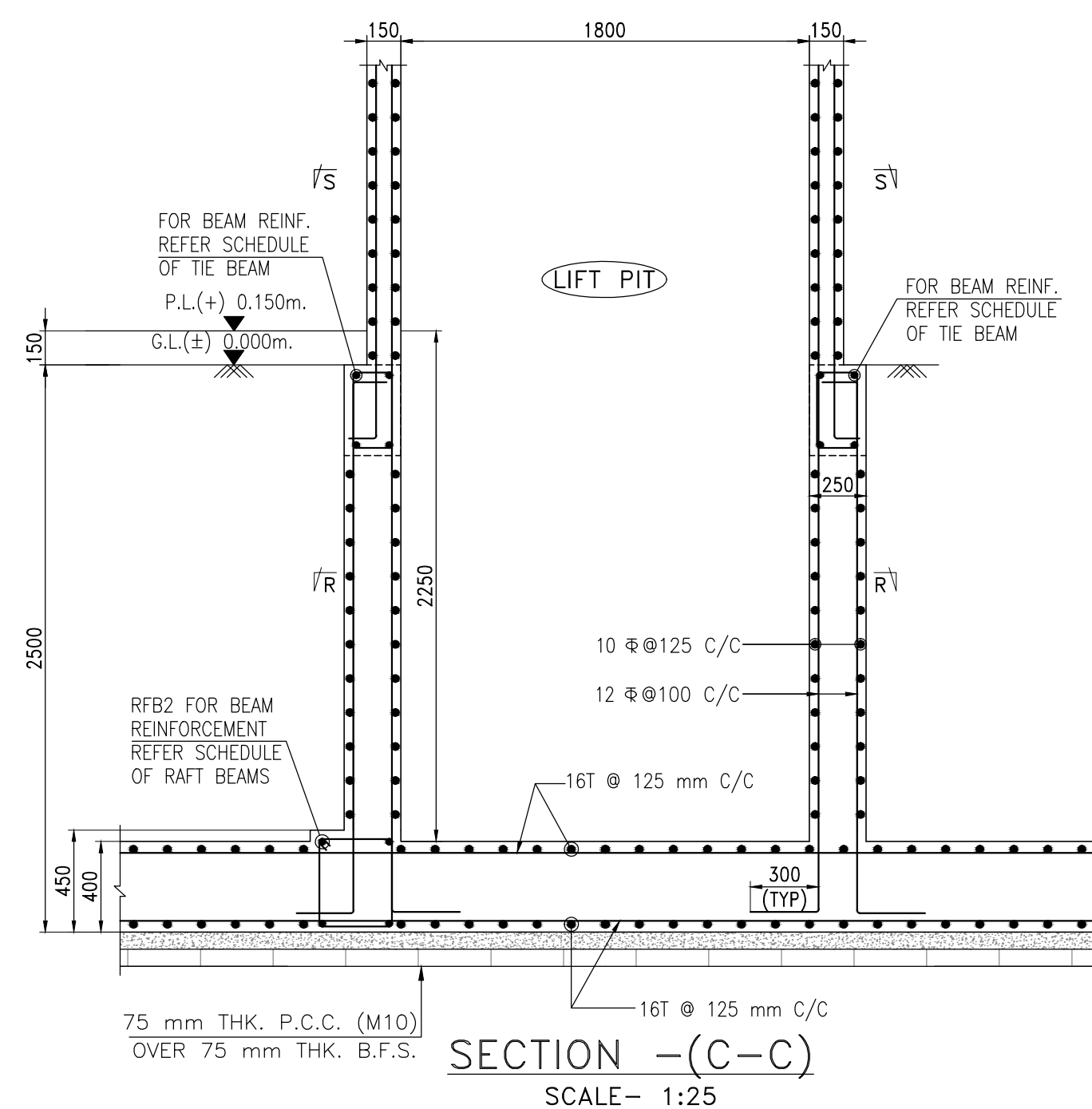
DETAIL - "X"
SCALE - N.T.S.



LIFT WALL PLAN AT BASE
LEVEL SECTION (R-R)
SCALE 1:25



DETAIL - "Y"
SCALE - N.T.S.



SECTION -(C-C)
SCALE- 1:25

SPECIAL NOTE:-
THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.

IMPORTANT NOTE:-
REFILLING SHOULD BE DONE THROUGH COMPACTION OF SAND WITH PROPER WATERING FROM THE EXCAVATED DEPTH OF FOUNDATION 2.80M TO 2.50M THE SAND FILLING SHOULD BE COMPACTION TO ACHIEVE AT LEAST 90% OF ITS MAXIMUM DENSITY.

- 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).
 - ALL STRUCTURAL DRAWINGS SHALL BE READ ALONG WITH THIS DRAWING AS WELL AS RELEVANT ARCHITECTURAL DRAWINGS.
 - 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.
 - ADEQUATE CHAIR BARS TO BE PROVIDED TO KEEP THE TOP REINFORCEMENT IN PROPER POSITION.
 - VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
 - UNLESS OTHERWISE SPECIFIED DISTRIBUTION REINFORCEMENT SHALL BE 8 T @ 250 C/C.
 - CONCRETE CLEAR COVER SHALL BE AS FOLLOWS:
 - ISOLATED FOUNDATION : 50 mm
 - RAFT BEAM & SLAB : 50 mm
 - SHEAR WALL : 20 mm
 - GRADE OF CONCRETE FOR SUBSTRUCTURE WILL BE M25 AS PER IS: 456:2000.
 - DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP 34:1987
 - THE NET SAFE BEARING CAPACITIES FOR ISOLATED & RAFT FOUNDATION DEPTH AT(-)2.50m. FROM G.L. IN TUNE WITH THE SOIL REPORT PREPARED BY ADRIJA ENGINEERING CONSULTANTS (MUNMUN ROY).
 - THE MENTIONED BEARING CAPACITIES MUST BE ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEO-TECHNICAL ENGINEER FOR VALIDITY OF THIS DRAWING.
 - THE N VALUE AS DESCRIBED UNDER NOTES OF TABLE-1 OF IS-1893(PART-1)-2016 SHOULD BE ENSURED TO BE GREATER THAN 15 FOR VALIDITY OF THIS DESIGN AND DRAWING.

TITLE -

STRUCTURAL DRAWING OF PROPOSED G+4 STORIED RESIDENTIAL (APARTMENT) BUILDING DEVELOPED BY "I M BUILDERS" OVER R.S. PLOT NO.-1646(P),1645(P).C.S. PLOT NO.-1646(P),1645(P). L.R. PLOT NO.-2000, L.R. KHATIAN NO.-149, MOUZA-BIRBHANPUR, J.L. NO.-91, P.S.-COKE OVEN, DIST.-PASHCHIM BARDHAMAN.

- LAND OWNER NAME - ANJANA MAJUMDER
- HOLDING NO. - 415
- WARD NO. - 43
- ASSESSMENT NO. - 3309401112056

SIGNATURE OF OWNER

SIGNATURE OF L.B.S./ENGINEER/ARCHITECT

AR. VIJAYA SINGH MAZUMDER
CONSULTING ARCHITECT
COA REGISTERED
CA/2021/134276

SIGNATURE OF GEO-TECHNICAL ENGINEER

SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF THE VETTING AUTHORITY

STRUCTURAL CONSULTANT

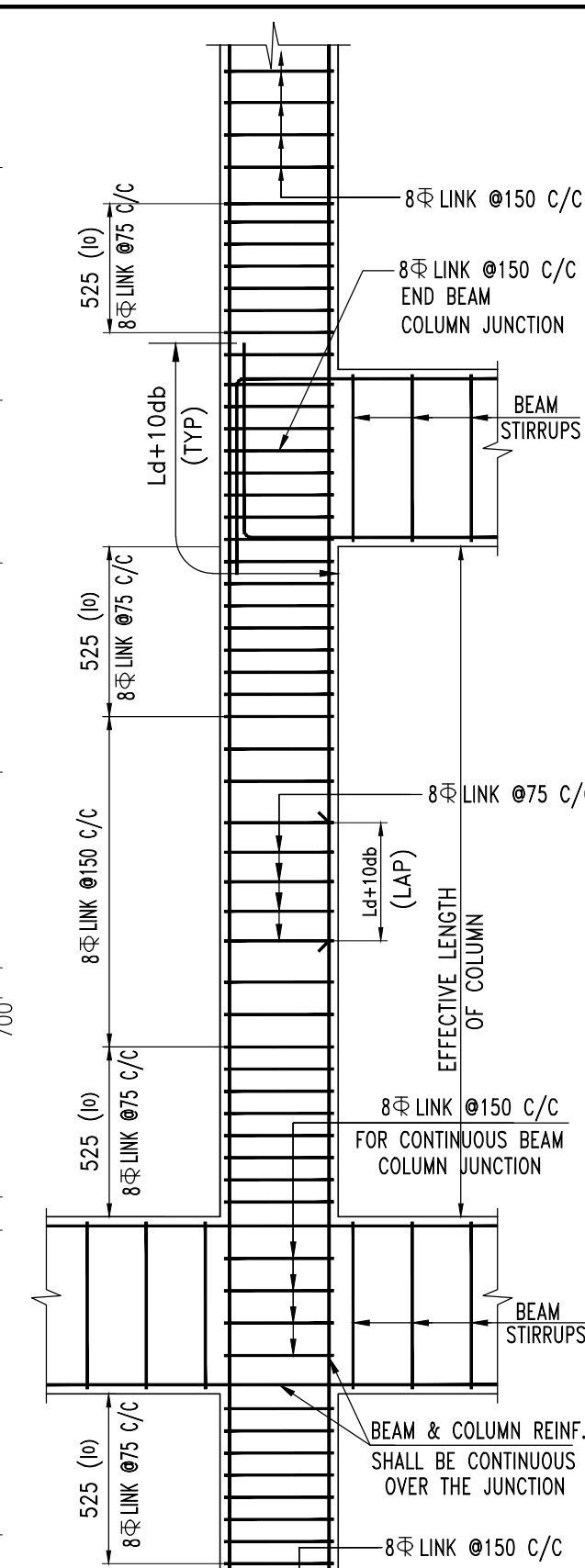
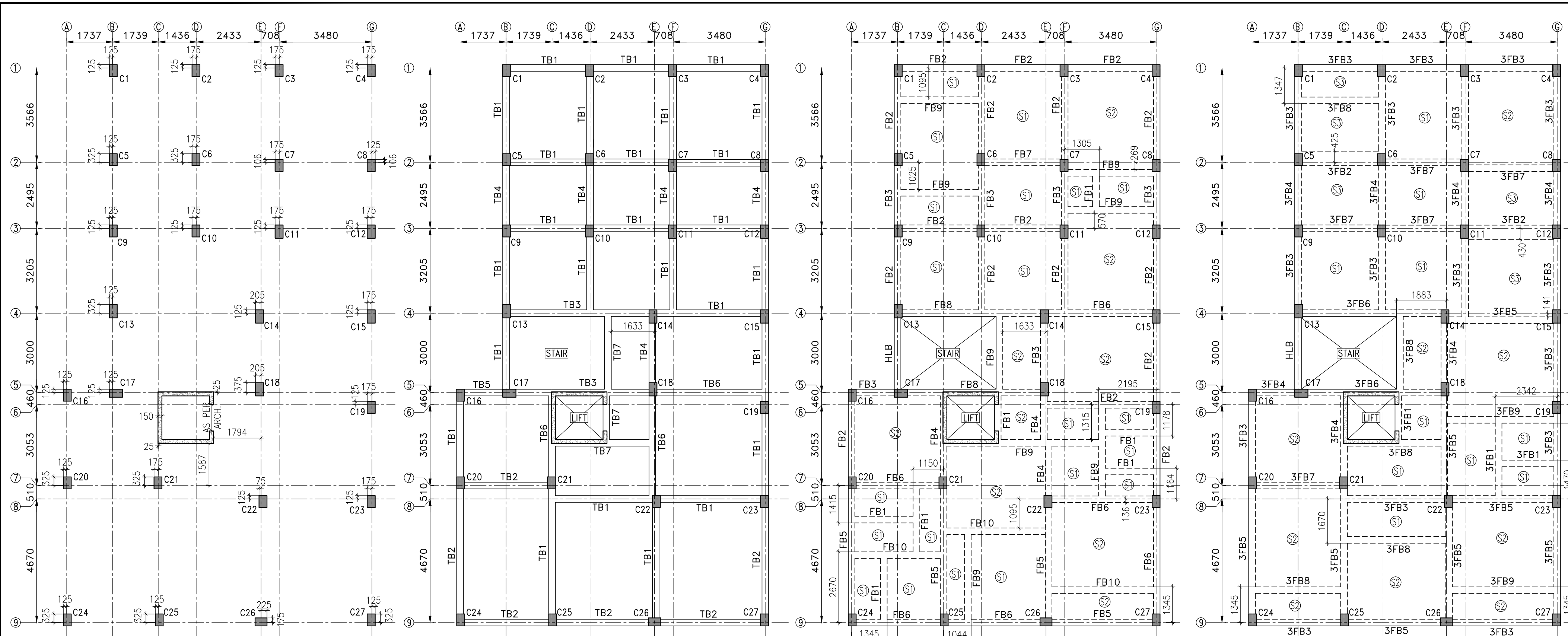
Structcon
STRUCTCON ENTERPRISE
REGD. ADDRESS: ASHRAY
APARTMENT, GROUND FLOOR
968, KALIKAPUR ROAD,
KOLKATA- 700 099
Email-structconenterprise@gmail.com
Ph.-8100483509

DRAWING TITLE
FOUNDATION LAYOUT PLAN WITH REINF. DETAILS.

SCALE -1:100 OR AS SHOWN
DATE - 22.10.2025

SHEET NO.- 1 OF 3 SHEET SIZE- A1





- 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 CLEAR COVER SHALL BE AS FOLLOWS:
 - COLUMNS : 40 mm
 - BEAMS : 30 mm
 - SLABS : 20 mm
 - 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 —

STRUCTURAL DRAWING OF G+4 STORED RESIDENTIAL (APARTMENT) BUILDING DEVELOPED BY "T M BUILDERS" OVER R.S. PLOT NO.-1646(P), 1645(P), C.S. PLOT NO.-1646(P), 1645(P), L.R. PLOT NO.-2000, L.R. KHATIAN NO.-149, MOUZA-BIRBHANPUR, J.L. NO.-91, P.S.-COKE OVEN, DIST.- PASHIM BARDHAMAN.

- LAND OWNER NAME - ANJANA MAJUMDER
- HOLDING NO. - 415
- WARD NO. - 43
- ASSESSMENT NO. - 330940112055

SIGNATURE OF OWNER

SIGNATURE OF L.B.S./ENGINEER/ARCHITECT

AR. VIJAYA SINGH MAZUMDER
CONSULTING ARCHITECT
COA REGISTERED
CA/2021/134276

SIGNATURE OF GEO-TECHNICAL ENGINEER

SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF THE VETTING AUTHORITY

STRUCTURAL CONSULTANT

STRUCTCON ENTERPRISE
REGD. ADDRESS: ASHRAY
APARTMENT, GROUND FLOOR
968, KALIKAPUR ROAD,
KOLKATA- 700 099
Email-structconenterprise@gmail.com
Ph.-8100483509

DRAWING TITLE

COLUMN & TIE BEAM LAYOUT PLAN WITH REINF. DETAILS,
FLOOR BEAM AND SLAB LAYOUT PLAN WITH REINF. DETAILS,
STAIR.

SCALE -1:100 OR AS SHOWN
DATE - 18.10.2025

SHEET NO.- 2 OF 3

SHEET SIZE- A1

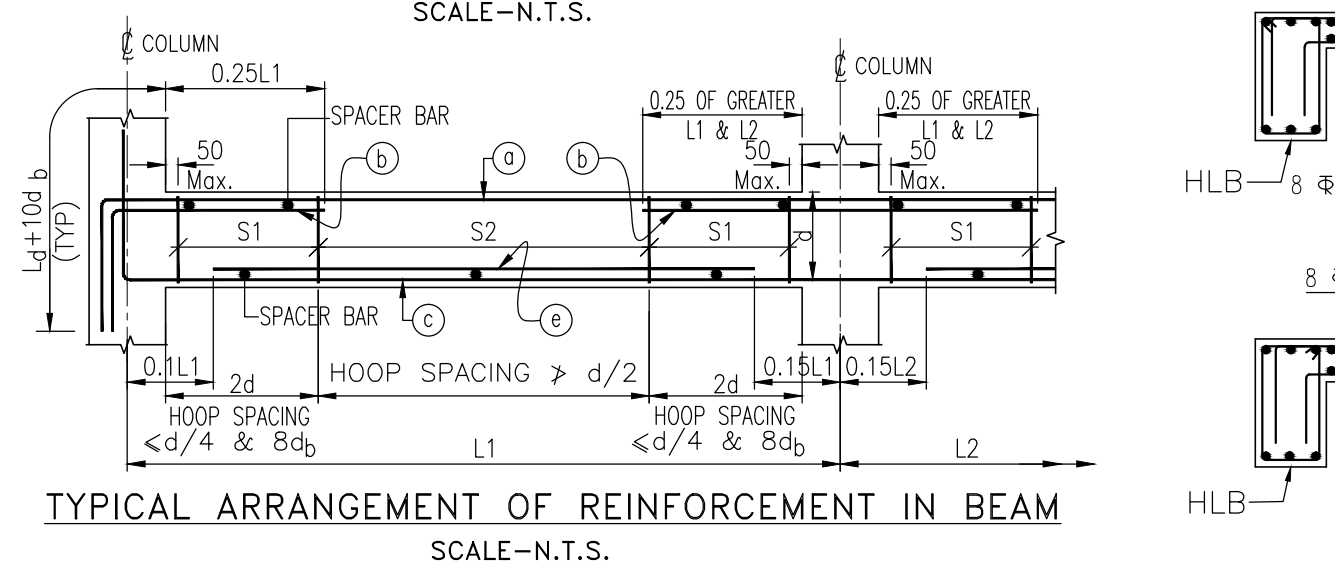
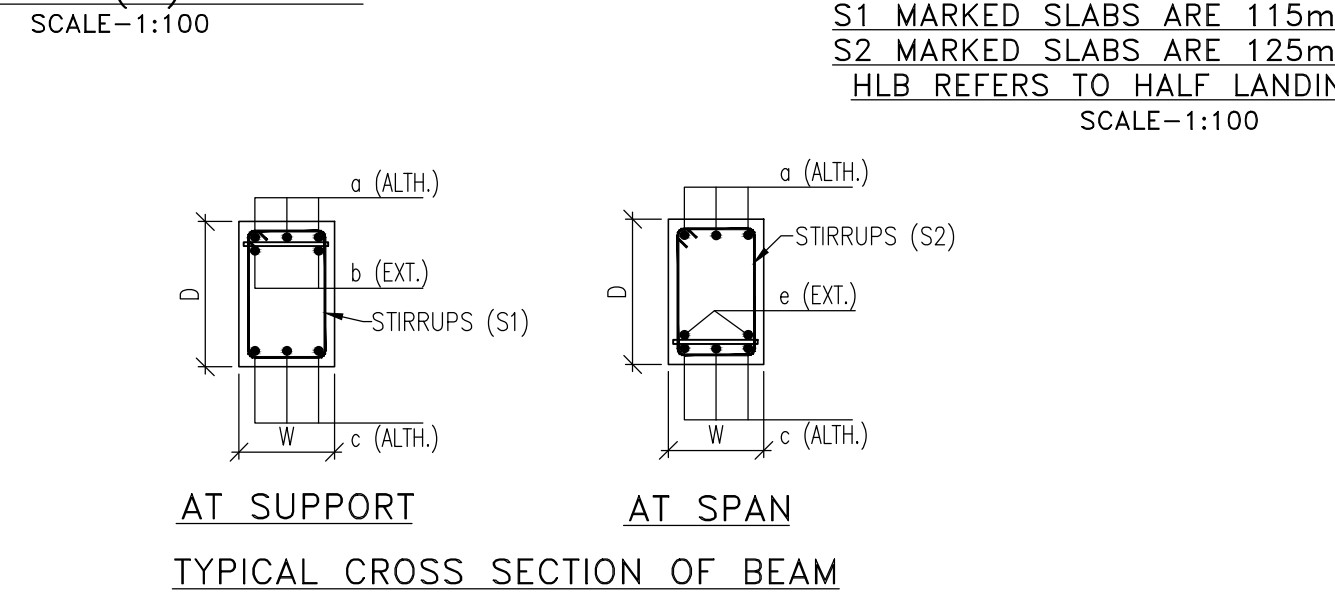
COLUMN LAYOUT PLAN
SCALE 1:100

SCHEDULE OF TIE BEAMS						
BEAM MARKED	BEAM SIZE WIDTH (W) DEPTH (D) (mm)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT) (S1)
		ALTHROUGH (a)	EXTRA AT SUPPORT (b)	ALTHROUGH (c)	EXTRA AT SPAN (e)	
TB1	250 400	2-16 +1-12	-	2-12 +1-16	-	2L-8 Φ 100 C/C
TB2	250 400	2-16 +1-12	2-12	2L-8 Φ 200 C/C	2L-8 Φ 200 C/C	2L-8 Φ 200 C/C
TB3	250 450	2-16 +1-12	3-16	2L-8 Φ 100 C/C	2L-8 Φ 200 C/C	2L-8 Φ 200 C/C
TB4	250 400	2-16 +1-12	-	2-12 +1-16	-	2L-8 Φ 100 C/C
TB5	250 400	LAYER1: 2-16 LAYER2: 2-12	-	LAYER1: 2-12 LAYER2: 2-16	-	2L-8 Φ 100 C/C
TB6	250 400	LAYER1: 2-16 LAYER2: 2-12	-	2-12 +1-16	-	2L-8 Φ 100 C/C
TB7	250 400	2-16 +1-12	-	2-12 +1-16	-	2L-8 Φ 100 C/C

SCHEDULE OF TYPICAL FLOOR BEAMS						
BEAM MARKED	BEAM SIZE WIDTH (W) DEPTH (D) (mm)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT) (S1)
		ALTHROUGH (a)	EXTRA AT SUPPORT (b)	ALTHROUGH (c)	EXTRA AT SPAN (e)	
FB1	250 400	3-12	-	3-12	-	2L-8 Φ 100 C/C
FB2	250 450	3-16	-	2-12 +1-16	-	2L-8 Φ 100 C/C
FB3	250 450	3-16 +1-12	-	LAYER1: 2-12 LAYER2: 2-16	-	2L-8 Φ 100 C/C
FB4	250 450	3-16 +1-12	-	2-12 +1-16	-	2L-8 Φ 100 C/C
FB5	250 450	3-16	3-16	2-12	2L-8 Φ 200 C/C	2L-8 Φ 200 C/C
FB6	250 450	3-16	2-16	LAYER1: 2-12 LAYER2: 2-16	-	2L-8 Φ 100 C/C
FB7	250 450	3-16	-	2-12 +1-16	-	2L-8 Φ 100 C/C
FB8	250 500	3-16	3-16	2-12 +1-16	2-12	2L-8 Φ 100 C/C
FB9	250 450	3-16	-	2-12 +1-16	-	2L-8 Φ 100 C/C
FB10	250 450	3-12	-	3-16	-	2L-8 Φ 200 C/C
HLB	250 450	3-16	2-12	2-16 +1-12	-	2L-8 Φ 100 C/C

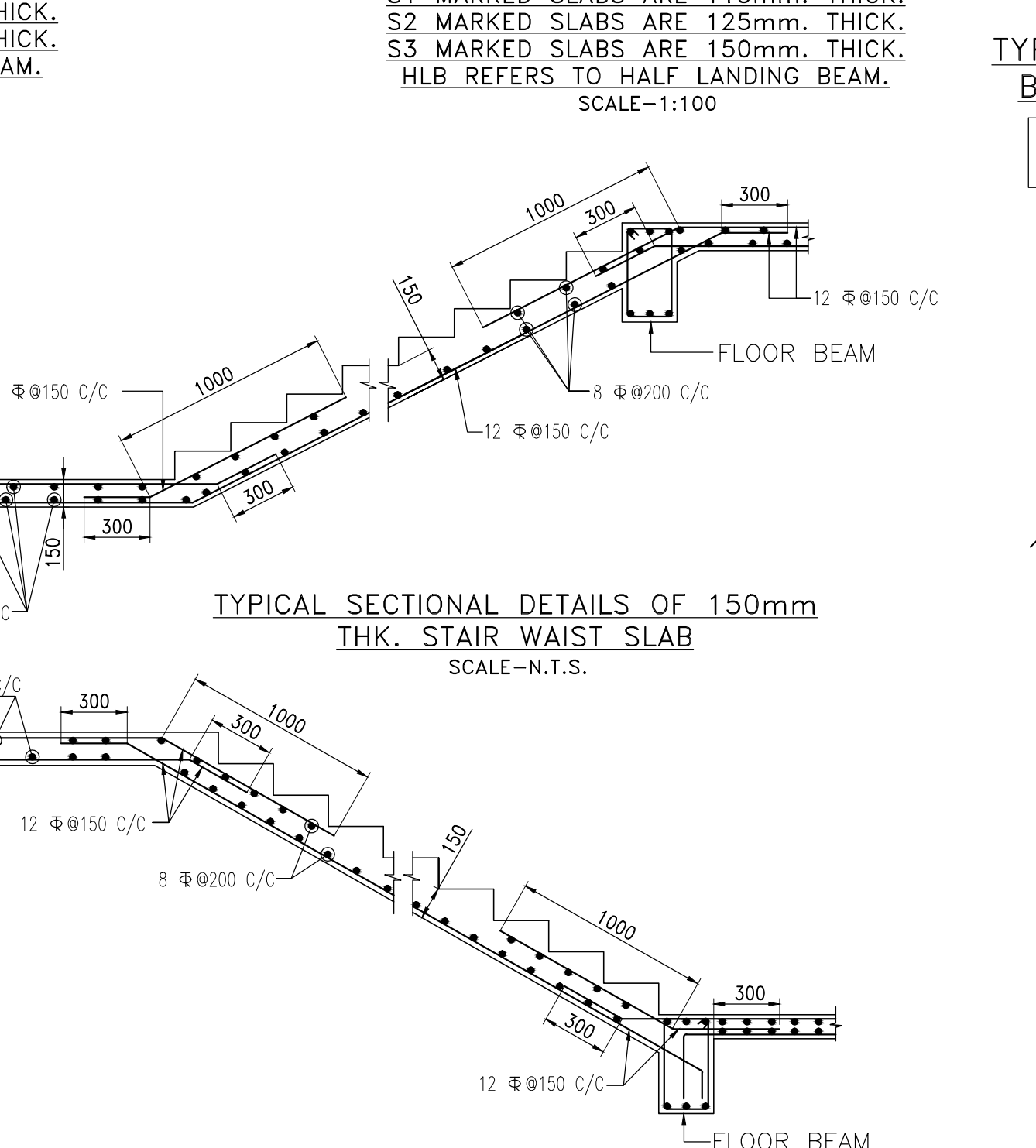
SCHEDULE OF 3RD FLOOR BEAMS						
BEAM MARKED	BEAM SIZE WIDTH (W) DEPTH (D) (mm)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT) (S1)
		ALTHROUGH (a)	EXTRA AT SUPPORT (b)	ALTHROUGH (c)	EXTRA AT SPAN (e)	
3FB1	250 400	3-12	-	3-12	-	2L-8 Φ 100 C/C
3FB2	550 150	5-16	-	5-12	-	4L-8 Φ 100 C/C
3FB3	250 450	2-16 +1-12	-	2-12 +1-16	-	2L-8 Φ 100 C/C
3FB4	250 450	LAYER1: 2-16 LAYER2: 2-12	-	LAYER1: 2-12 LAYER2: 2-16	-	2L-8 Φ 100 C/C
3FB5	250 450	2-16 +1-12	3-12	2-12 +1-16	-	2L-8 Φ 100 C/C
3FB6	250 500	2-16 +1-12	3-16	2-12 +1-16	2-12	2L-8 Φ 200 C/C
3FB7	250 450	3-16	-	3-12	-	2L-8 Φ 100 C/C
3FB8	250 450	3-12	-	2-12 +1-16	-	2L-8 Φ 100 C/C
3FB9	250 500	3-12	-	2-12 +1-16	-	2L-8 Φ 100 C/C
HLB	250 450	3-16	2-12	2-16 +1-12	-	2L-8 Φ 100 C/C

TIE BEAM LAYOUT PLAN
AT LEVEL (+)0.000m.
SCALE-1:100



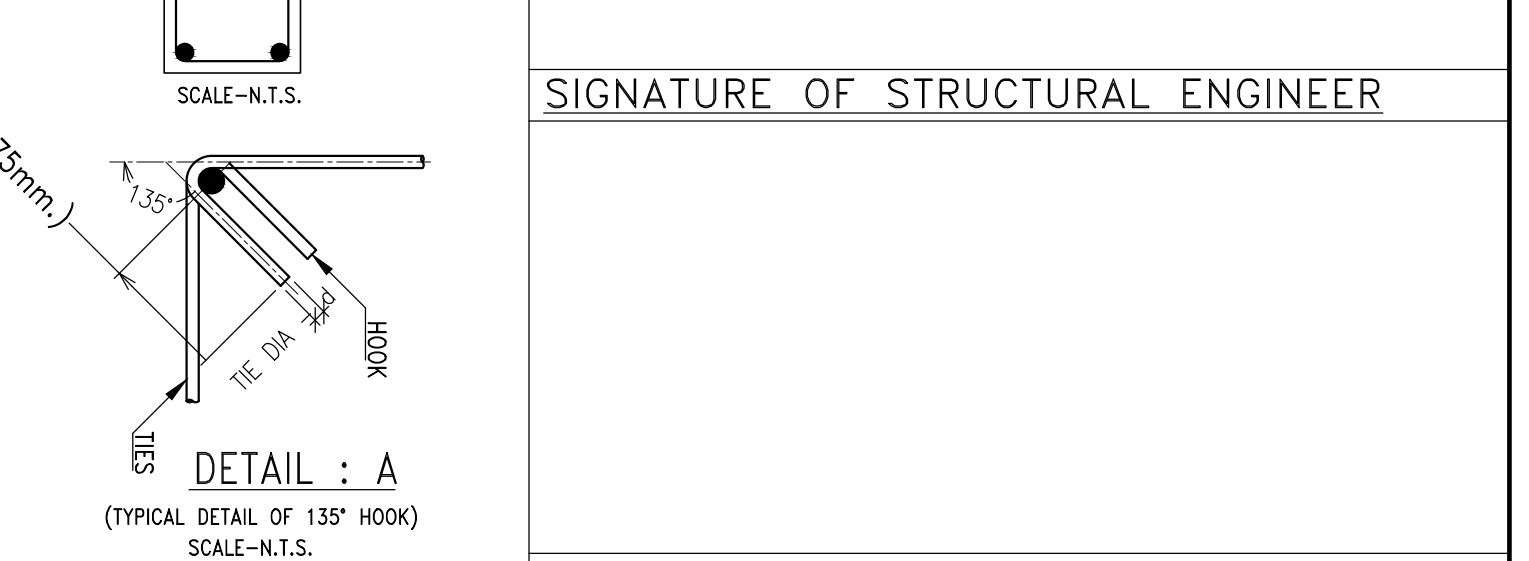
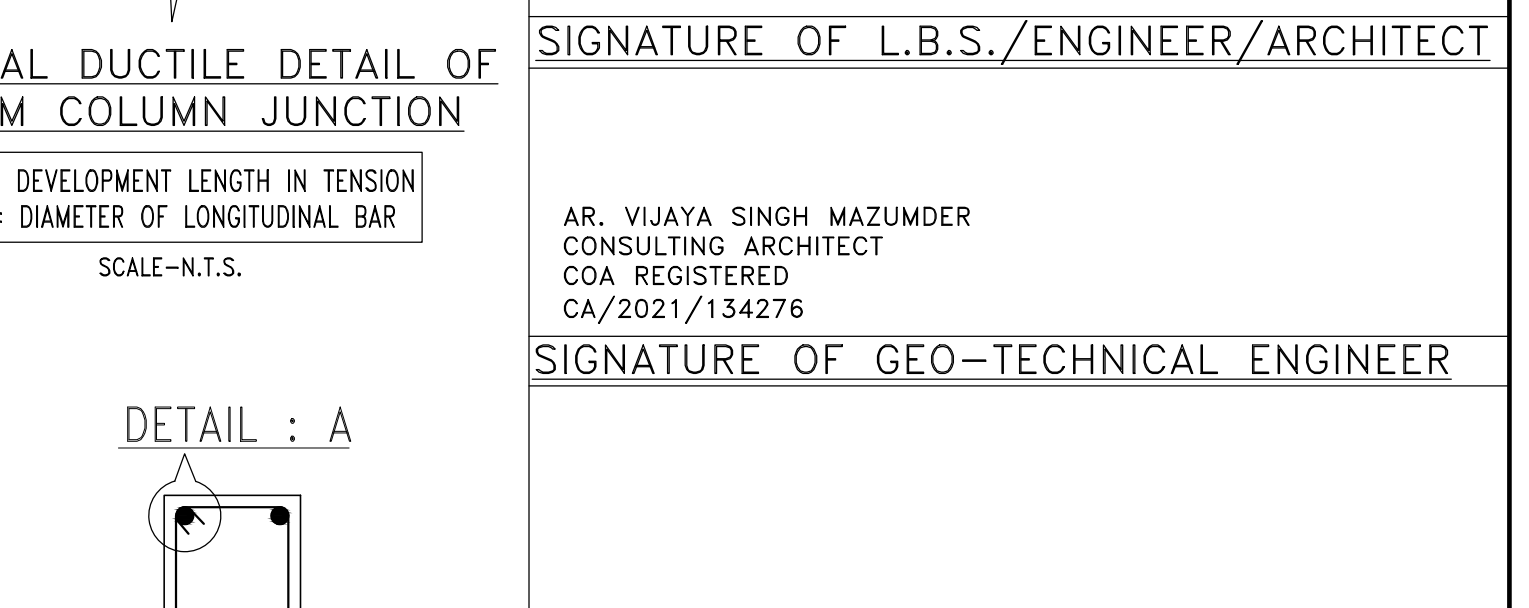
SCHEDULE OF COLUMNS				
COLUMN MARKED	NO.OF COLUMNS	COLUMN SIZE (mm x mm)	FOUNDATION TO ROOF/ABOVE ROOF	STIRRUP ARRANGEMENT & SPACING
			NEAR JUNCTION (10)	REST PORTION
C11,C12,C13, C14,C17,C18	06	300X500	MAIN RNF.: 8-16 Φ +4-12 Φ	8 Φ 75 C/C (3 NOS. CLOSED LINKS) (1 NO. OPEN LINK)
C21,C22,C25	03	300X450	MAIN RNF.: 10-16 Φ	8 Φ 75 C/C (3 NOS. CLOSED LINKS) (3 NOS. CLOSED LINKS)
C1,C2,C3,C4,C5, C6,C7,C8,C9,C10, C15,C16,C19,C20, C23,C24,C26,C27	18	300X450	MAIN RNF.: 8-16 Φ +4-12 Φ	8 Φ 75 C/C (3 NOS. CLOSED LINKS) (3 NOS. CLOSED LINKS)

3RD FLOOR BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+)9.300m.
SCALE-1:100



SCHEDULE OF STOOL COLUMNS				
COLUMN MARKED	NO.OF COLUMNS	COLUMN SIZE (mm x mm)	MAIN REINF. ARRANGEMENT	STIRRUP ARRANGEMENT & SPACING
			NEAR JUNCTION (10)	REST PORTION
ST1 (ROOF TO WATER TANK) ST3,ST4 (ROOF TO L.M.R ROOF)	03	250X250	MAIN RNF.: 4-16 Φ	8 Φ 150 C/C (1 NO. CLOSED LINK)
ST2 (ROOF TO L.M.R ROOF)	01	250X400	MAIN RNF.: 4-16 Φ +4-12 Φ	8 Φ 150 C/C (1 NO. CLOSED LINK) (2 NOS. OPEN LINKS)

TYPICAL DUCTILE DETAIL OF BEAM COLUMN JUNCTION
SCALE-N.T.S.



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

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

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

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

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

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

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

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

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

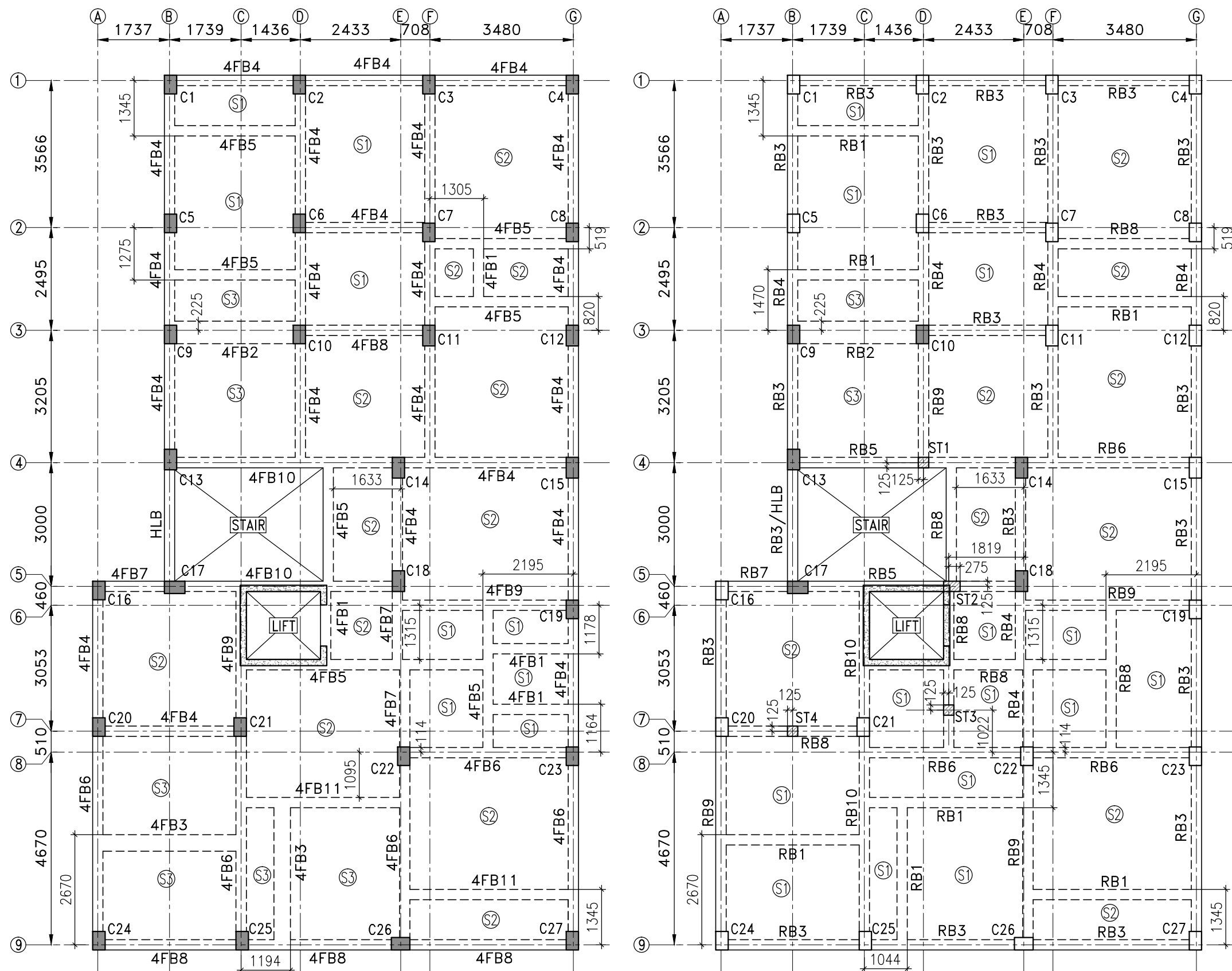
DETAIL : A
(TYPICAL DETAIL OF 135° HOOK)
SCALE-N.T.S.

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

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

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

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

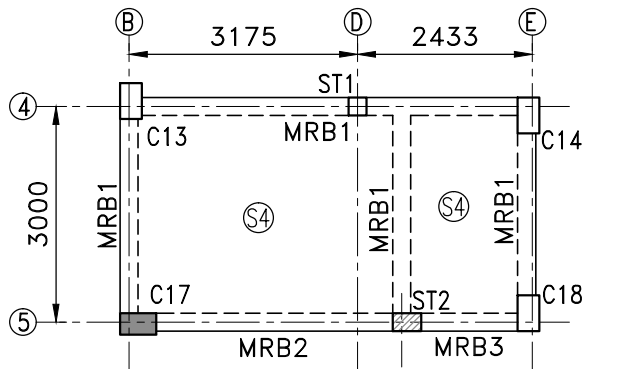


4TH FLOOR BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)12.350m.

S1 MARKED SLABS ARE 115mm. THICK.
S2 MARKED SLABS ARE 125mm. THICK.
S3 MARKED SLABS ARE 150mm. THICK.
HLB REFERS TO HALF LANDING BEAM.
SCALE-1:100

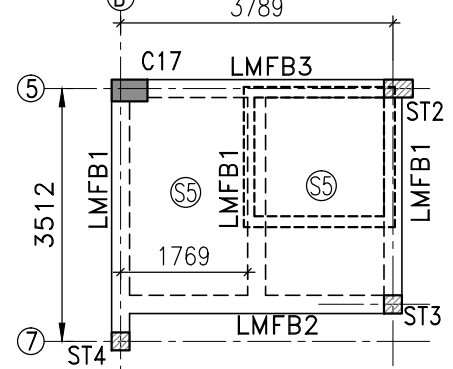
ROOF BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)15.400m.

S1 MARKED SLABS ARE 115mm. THICK.
S2 MARKED SLABS ARE 125mm. THICK.
S3 MARKED SLABS ARE 150mm. THICK.
HLB REFERS TO HALF LANDING BEAM.
SCALE-1:100



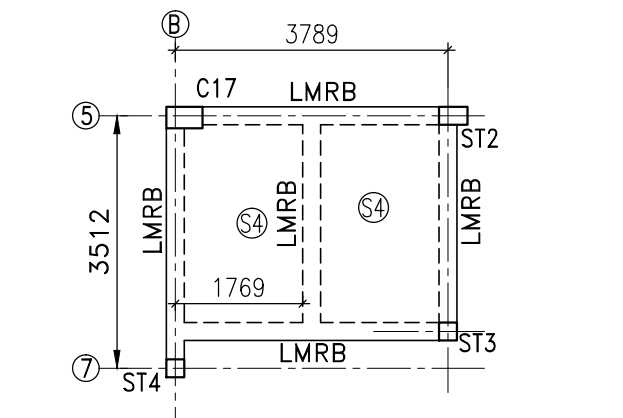
MUMTY BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)17.830m.

S4 MARKED SLABS ARE 115mm. THICK.
SCALE-1:100



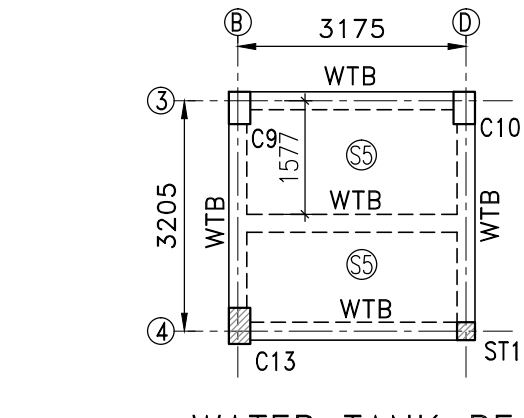
L.M.R FLOOR BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)17.150m.

S5 MARKED SLABS ARE 150mm. THICK.
SCALE-1:100



L.M.R ROOF BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)19.550m.

S4 MARKED SLABS ARE 115mm. THICK.
SCALE-1:100



WATER TANK BEAM AND SLAB LAYOUT PLAN AT LEVEL (+)16.400m.

WATER TANK CAPACITY- 10,000 LIT.
S5 MARKED SLABS ARE 150mm. THICK.
SCALE-1:100

SCHEDULE OF S5 MARKED SLABS (WATER TANK & L.M.R FLOOR SLAB THICKNESS-150mm.)		
BAR MKD.	REINFORCEMENT	POSITION
E	10T @ 200 mm C/C (ALL THROUGH)	BOT.
F	10T @ 200 mm C/C (ALL THROUGH)	TOP

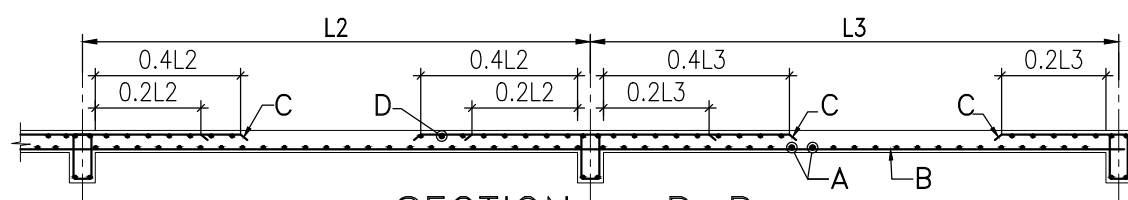
SCHEDULE OF S4 MARKED SLABS (MUMTY & L.M.R ROOF SLAB THICKNESS-115mm.)		
BAR MKD.	REINFORCEMENT	POSITION
E	8T @ 150 mm C/C (ALL THROUGH)	BOT.
F	8T @ 150 mm C/C (ALL THROUGH)	TOP

SCHEDULE OF S1, S2 & S3 MARKED SLABS (TYPICAL, 3RD, 4TH FLOOR & ROOF SLABS THICKNESS-115mm, 125mm & 150mm.)		
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# @ 150mm C/C (CURTAILMENT)	TOP
D(BINDER)	8# @ 200 mm C/C (WHEREVER REQUIRED)	TOP

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)
LMFB1	250 400	3-12 #	-	3-12 #	-	2L-8 # @ 100 C/C	2L-8 # @ 200 C/C
LMFB2	250 400	3-12 #	-	3-12 #	-	2L-8 # @ 100 C/C	2L-8 # @ 200 C/C
LMFB3	250 400	3-12 #	2-16 #	3-12 #	-	2L-8 # @ 100 C/C	2L-8 # @ 200 C/C
LMRB	250 400	3-12 #	-	3-12 #	-	2L-8 # @ 100 C/C	2L-8 # @ 200 C/C
MRB1	250 400	3-12 #	-	3-12 #	-	2L-8 # @ 100 C/C	2L-8 # @ 200 C/C
MRB2	250 400	3-16 #	-	3-16 #	-	2L-8 # @ 100 C/C	2L-8 # @ 200 C/C
MRB3	250 400	3-16 #	-	3-16 #	-	2L-8 # @ 100 C/C	2L-8 # @ 100 C/C
WTB	250 450	3-12 #	-	3-12 #	-	2L-8 # @ 100 C/C	2L-8 # @ 150 C/C

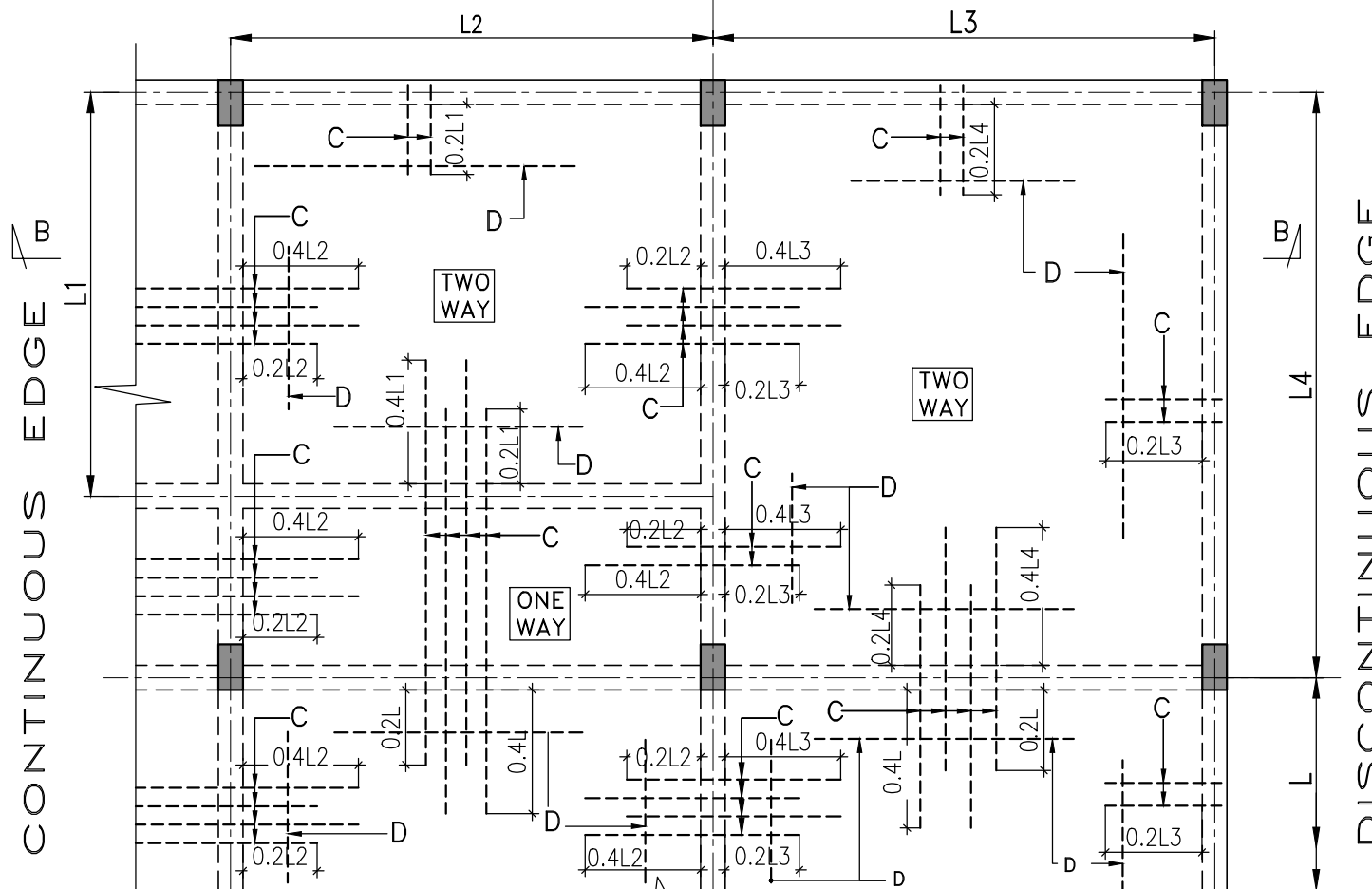
SCHEDULE OF 4TH FLOOR BEAMS							
BEAM MARKED	BEAM SIZE WIDTH (W) DEPTH (D) (mm)	TOP REINFORCEMENT ALTHROUGH (a)	EXTRA AT SUPPORT (b)	BOTTOM REINFORCEMENT ALTHROUGH (c)	EXTRA AT SPAN (e)	STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
4FB1	250 400	3-12 #	-	3-12 #	-	2L-8 # @ 100 C/C	2L-8 # @ 150 C/C
4FB2	550 150	5-16 #	-	5-12 #	-	4L-8 # @ 100 C/C	4L-8 # @ 150 C/C
4FB3	400 250	4-12 #	-	4-16 #	-	4L-8 # @ 100 C/C	4L-8 # @ 150 C/C
4FB4	250 450	2-16 # +1-12 #	-	2-12 # +1-16 #	-	2L-8 # @ 100 C/C	2L-8 # @ 150 C/C
4FB5	250 450	3-16 #	-	2-12 # +1-16 #	-	2L-8 # @ 100 C/C	2L-8 # @ 200 C/C
4FB6	250 450	2-16 # +1-12 #	2-16 #	2-12 # +1-16 #	2-12 #	2L-8 # @ 100 C/C	2L-8 # @ 200 C/C
4FB7	250 450	LAYER 1: 2-16 # LAYER 2: 2-16 #	-	2-12 # +1-16 #	-	2L-8 # @ 100 C/C	2L-8 # @ 100 C/C
4FB8	250 450	3-16 #	-	3-12 #	-	2L-8 # @ 100 C/C	2L-8 # @ 200 C/C
4FB9	250 450	LAYER 1: 2-16 # LAYER 2: 2-16 #	-	2-12 # +1-16 #	-	2L-8 # @ 100 C/C	2L-8 # @ 200 C/C
4FB10	250 500	2-16 # +1-12 #	3-16 #	2-12 # +1-16 #	2-12 #	2L-8 # @ 100 C/C	2L-8 # @ 200 C/C
4FB11	250 450	3-12 #	-	LAYER 1: 2-12 # LAYER 2: 2-16 #	-	2L-8 # @ 100 C/C	2L-8 # @ 200 C/C
HLB	250 450	3-16 #	2-12 #	2-12 # +1-12 #	-	2L-8 # @ 100 C/C	2L-8 # @ 200 C/C

SPECIAL NOTE:-
THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.

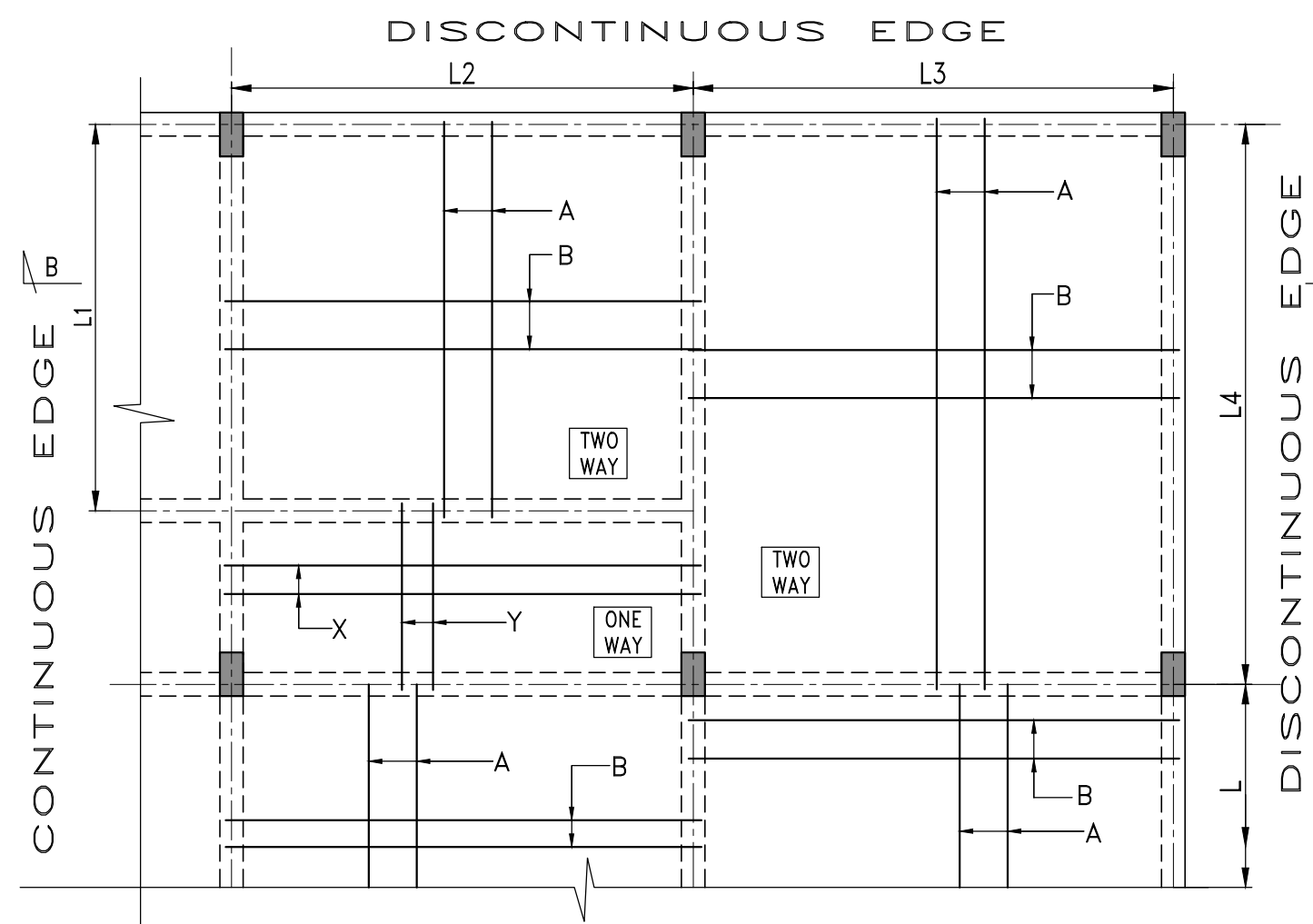


SECTION - B-B SCALE-N.T.S.

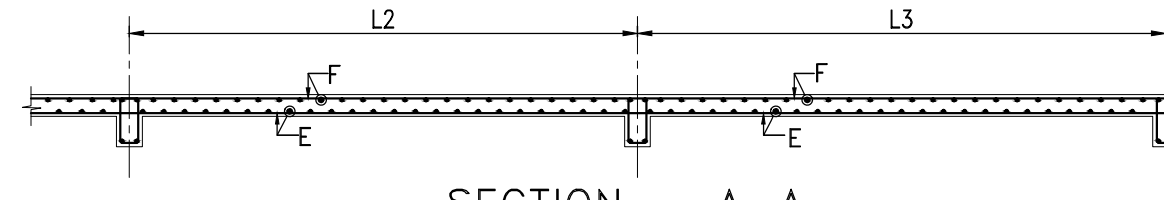
DISCONTINUOUS EDGE



TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP)
(SLAB MARKED S1, S2 & S3)
SCALE-N.T.S.

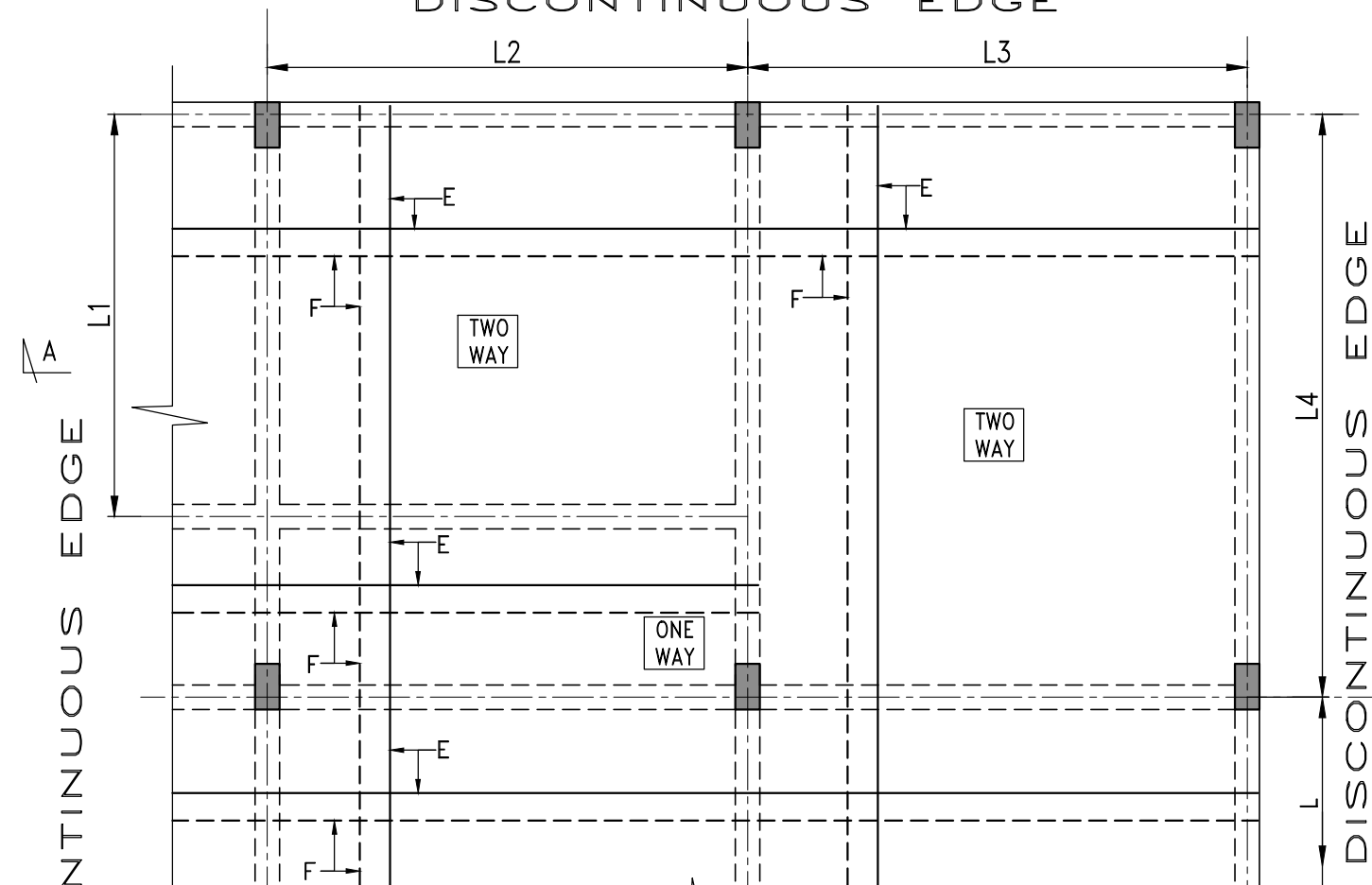


TYPICAL DETAILS OF SLAB REINFORCEMENT (BOTTOM)
(SLAB MARKED S1, S2 & S3)
SCALE - N.T.S.



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

DISCONTINUOUS EDGE



TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP & BOTTOM)
(SLAB MARKED S4 & S5)
SCALE-N.T.S.

- 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 = 50xBAR DIA.
 - CONCRETE CLEAR COVER SHALL BE AS FOLLOWS:
 - COLUMNS : 40 mm
 - BEAMS : 30 mm
 - SLABS : 20 mm
 - 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 -

STRUCTURAL DRAWING OF G+4 STORIED RESIDENTIAL (APARTMENT) BUILDING DEVELOPED BY "T W BUILDERS" OVER R.S. PLOT NO.-1646(P), 1645(P), C.S. PLOT NO.-1646(P), 1645(P), L.R. PLOT NO.-2000, L.R. KHATIAN NO.-149, MOUZA-BIRBHANPUR, J.L. NO.-91, P.S.-COKE OVEN, DIST.- PASCHIM BARDHAMAN.

- LAND OWNER NAME - ANJANA MAJUMDER
- HOLDING NO. - 415
- WARD NO. - 43
- ASSESSMENT NO. - 3309401112056

SIGNATURE OF OWNER

SIGNATURE OF L.B.S./ENGINEER/ARCHITECT

AP. VIJAYA SINGH MAZUMDER
CONSULTING ARCHITECT
COA REGISTERED
CA/2021/134276

SIGNATURE OF GEO-TECHNICAL ENGINEER

SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF THE VETTING AUTHORITY

STRUCTURAL CONSULTANT

STRUCTCON ENTERPRISE
REGD. ADDRESS: ASHRAY
APARTMENT, GROUND FLOOR
968, KALIKAPUR ROAD,
KOLKATA- 700 099
Email-structconenterprise@gmail.com
Ph.-8100483509

DRAWING TITLE

4TH FLOOR, ROOF AND ABOVE ROOF BEAM AND SLAB REINF. DETAILS, DETAILS OF SLAB.

SCALE -1:100 OR AS SHOWN

DATE - 18.10.2025

SHEET NO.- 3 OF 3

SHEET SIZE- A1