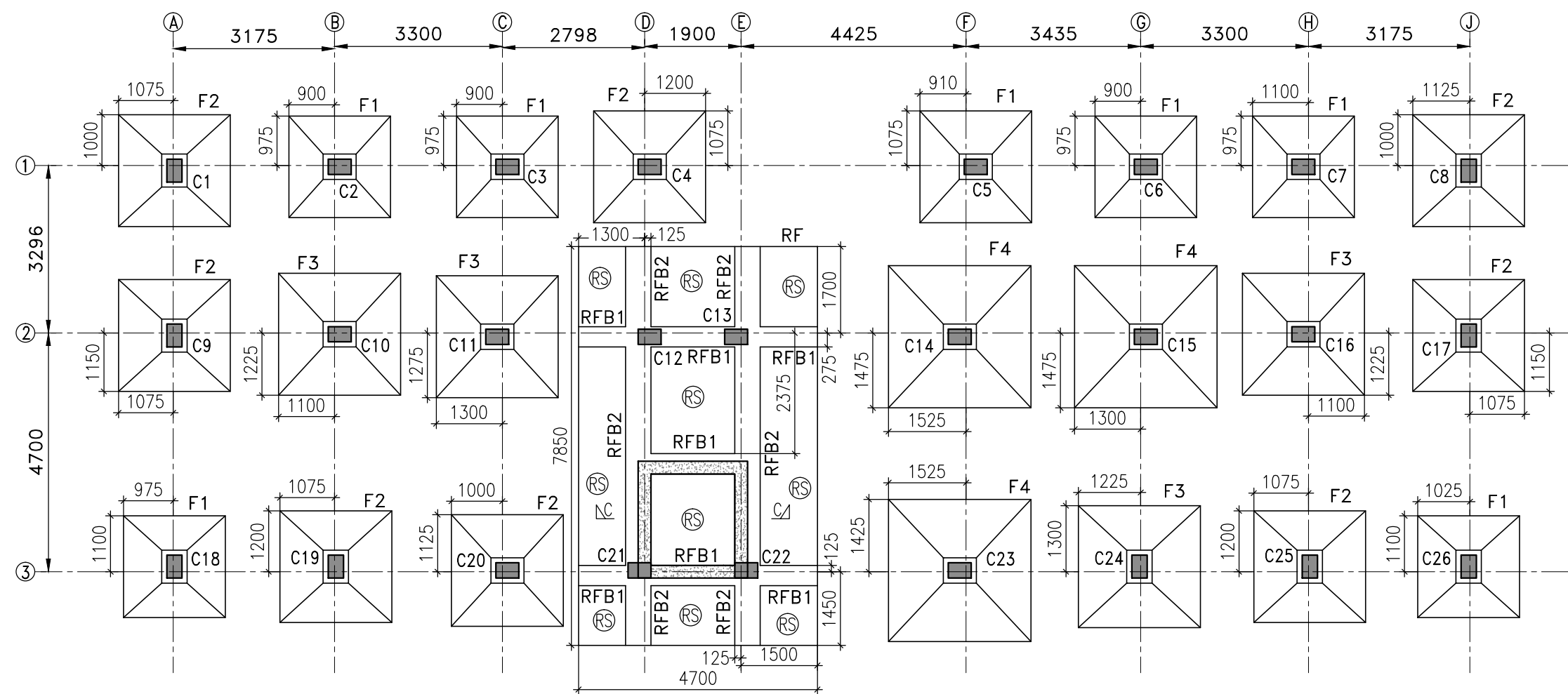
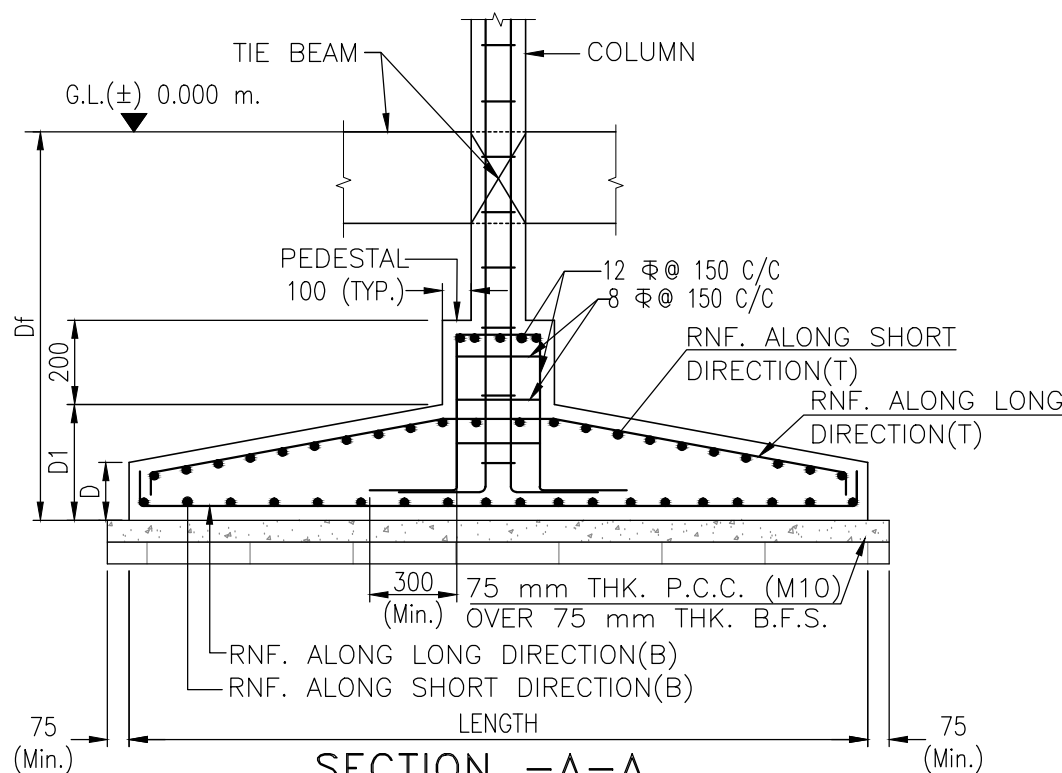




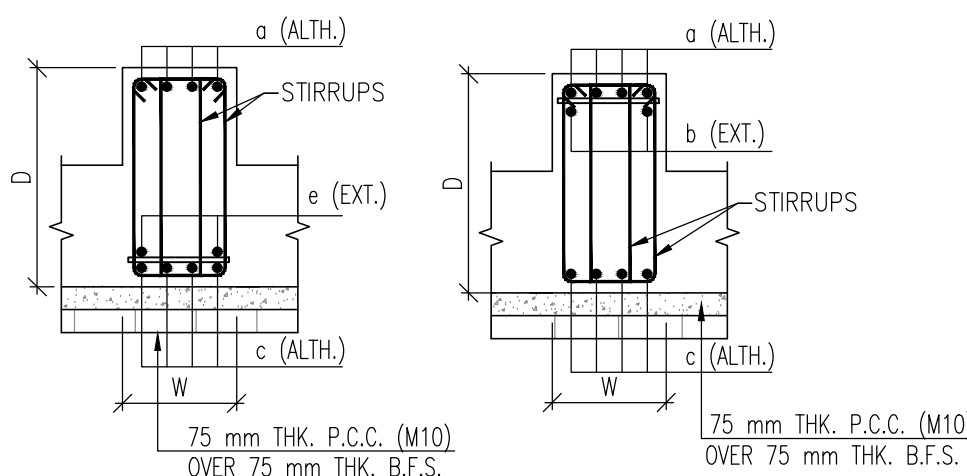
FOUNDATION LAYOUT PLAN
RS MARKED SLABS ARE 400mm. THICK.
RS REFERS TO RAFT SLABS.
SCALE 1:100

SPECIAL NOTES:-

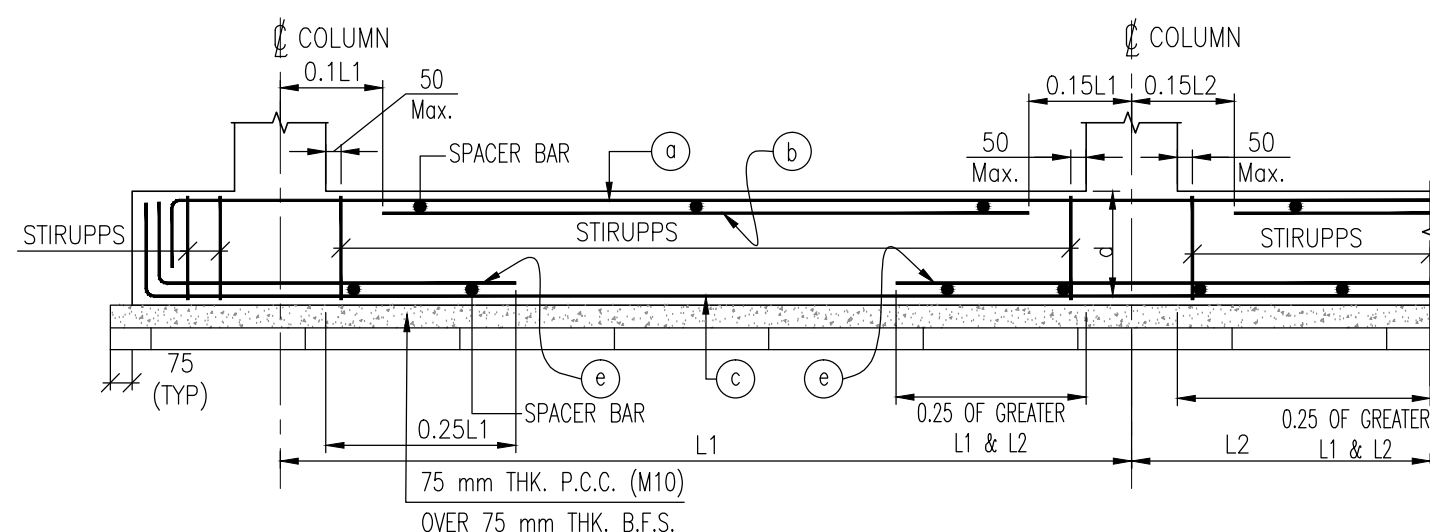
1. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.
2. THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.



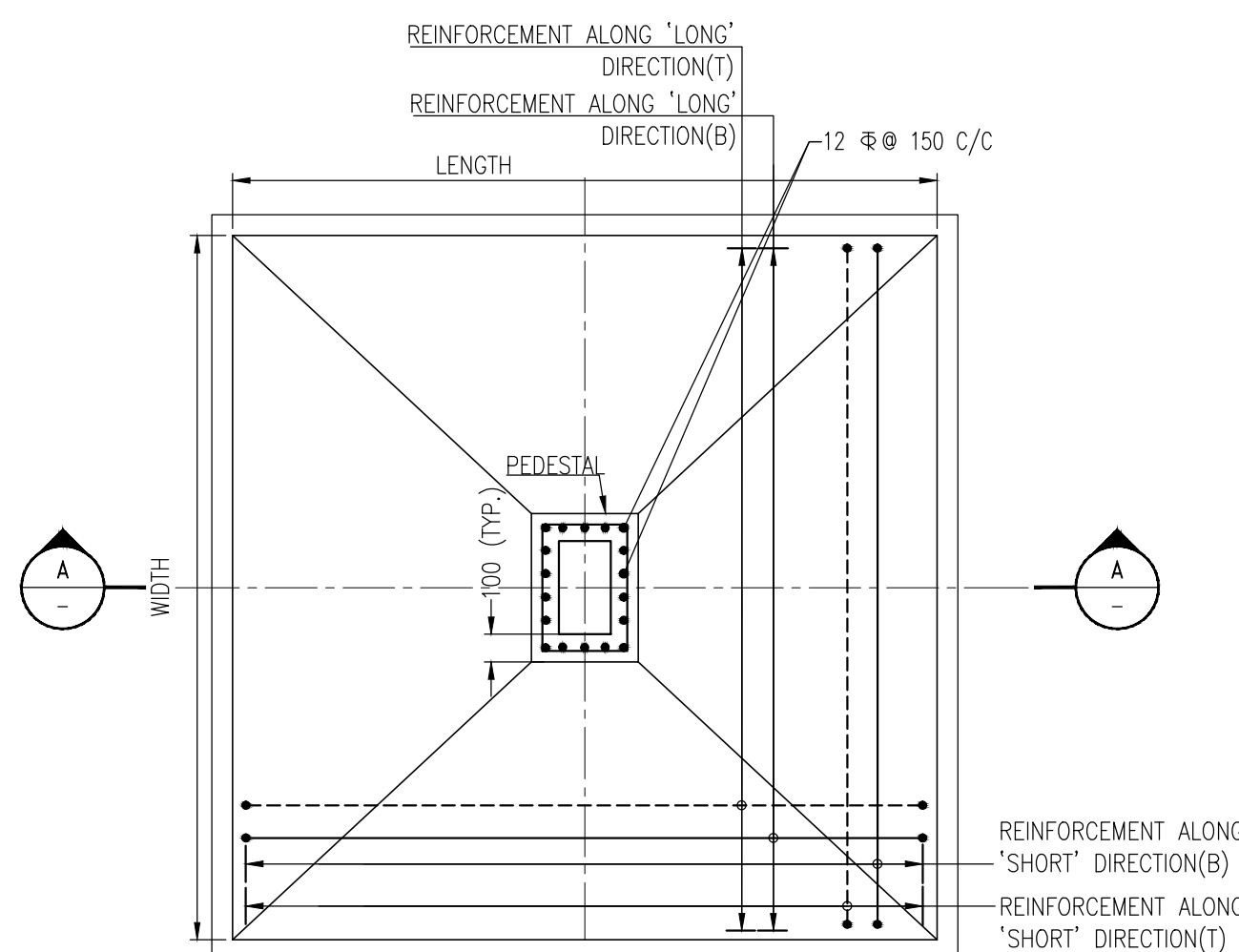
SECTION -A-A
SCALE N.T.S.



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



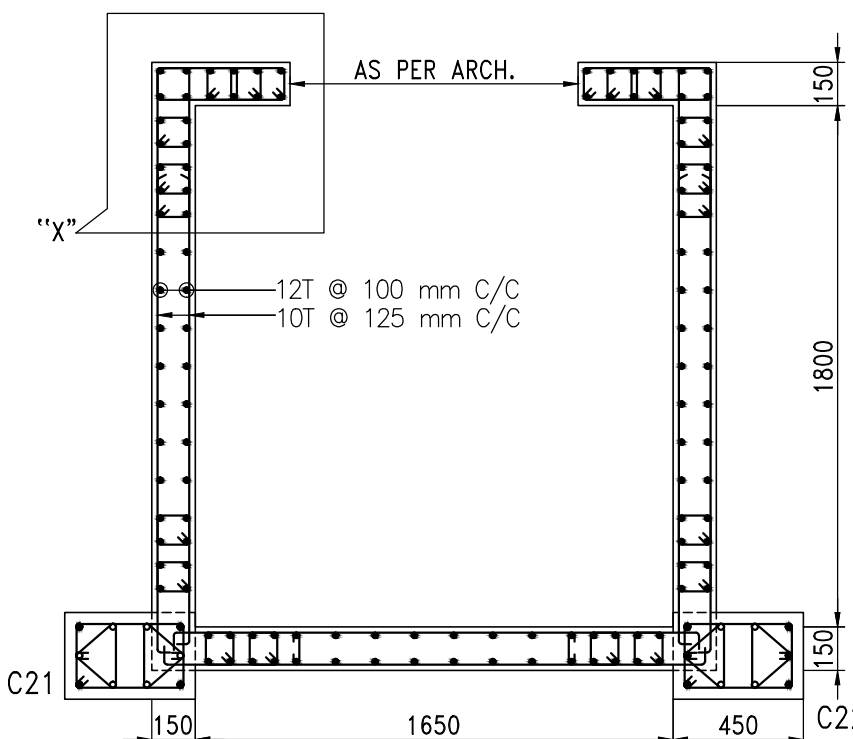
TYPICAL ARRANGEMENT OF REINFORCEMENT IN
FOUNDATION BEAM
(AS PER SP 34-1987)
SCALE - N.T.S.



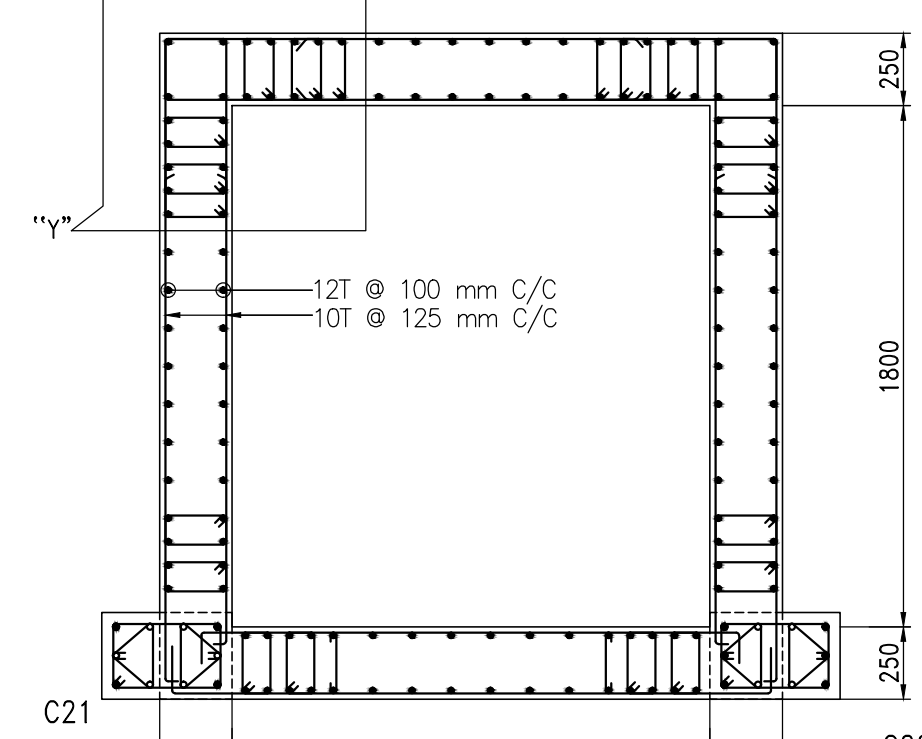
TYPICAL DETAIL OF ISOLATED
FOUNDATION
SCALE N.T.S.

NET SAFE BEARING CAPACITIES CONSIDERED FOR FOUNDATION			
TYPE OF FOUNDATION	FOUNDATION MARK	SIZE	NET SAFE BEARING CAPACITY (T/M ²)
ISOLATED	F1	2.000m. x 2.000m.	15.60
	F2	2.200m. x 2.200m.	15.45
	F3	2.400m. x 2.400m.	15.28
	F4	2.800m. x 2.800m.	15.08
RAFT	RF	AS SHOWN	9.50

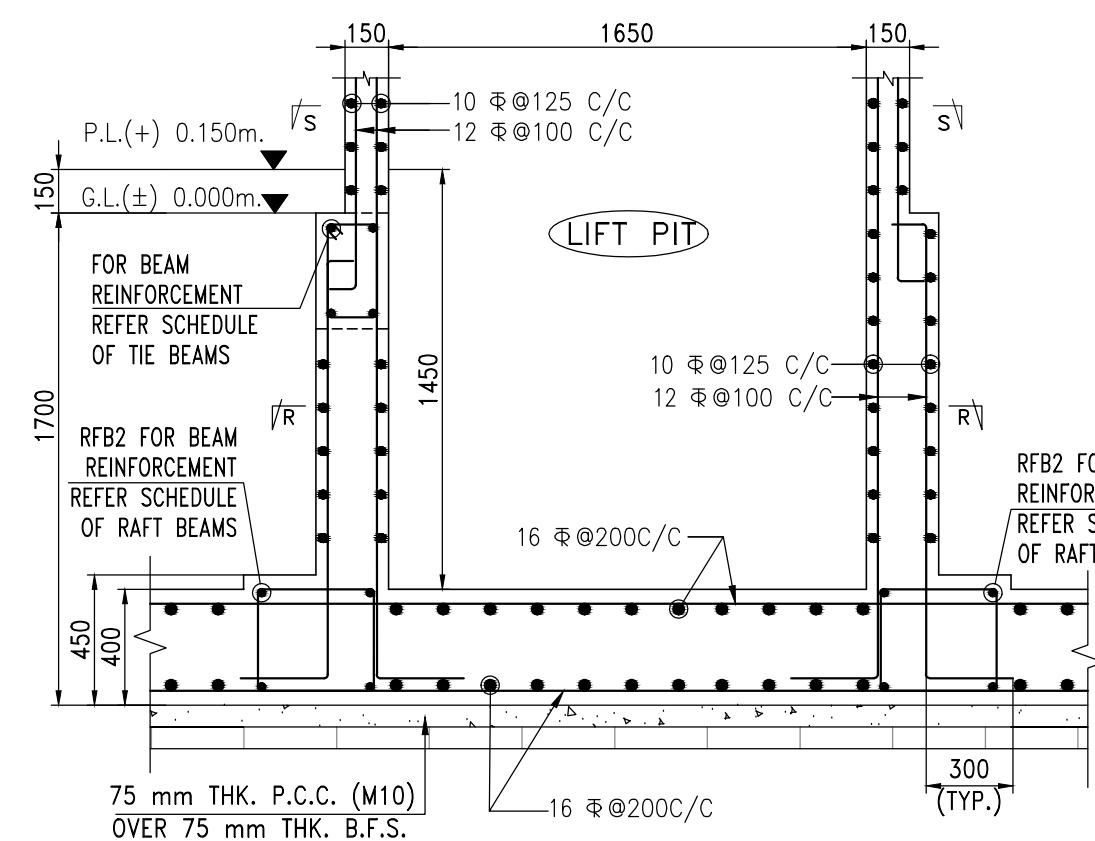
NOTE:-
THIS DESIGN WILL NOT BE VALID IF THIS BEARING CAPACITIES ARE NOT ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEO-TECHNICAL ENGINEER.



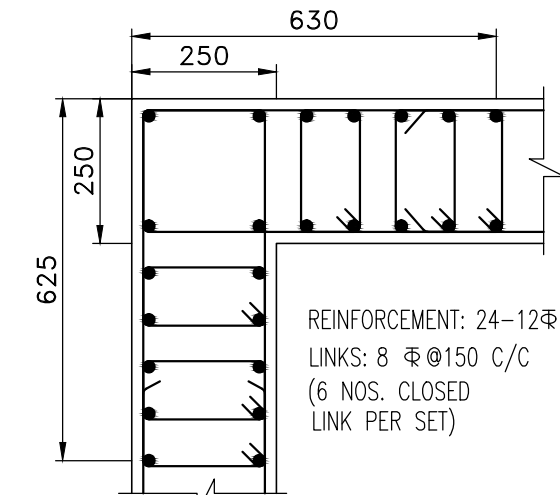
LIFT WALL PLAN AT FLOOR LEVEL
SECTION (S-S)
SCALE 1:25



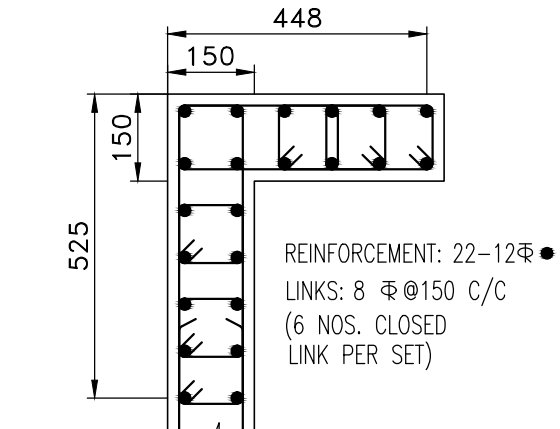
LIFT WALL PLAN AT BASE LEVEL
SECTION (R-R)
SCALE 1:25



SECTION -C-C
SCALE - 1:25



DETAIL - 'Y'
SCALE-N.T.S.



DETAIL - 'X'
SCALE-N.T.S.

SCHEDULE OF RAFT SLAB			
SLAB MARKED	SLAB THICKNESS (mm)	REINFORCEMENT ALONG BOTH DIRECTION	
		BOTTOM	TOP
RS	400	16 Φ 200 C/C	16 Φ 200 C/C

SCHEDULE OF RAFT BEAMS					
BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		STIRRUPS
	WIDTH (W) (mm)	DEPTH (D) (mm)	ALTHROUGH (a)	EXTRA AT SPAN (b)	
RFB1	400	450	4-16 Φ	-	4L-8 Φ 200 C/C
RFB2	500	450	5-16 Φ	-	4L-8 Φ 200 C/C

SCHEDULE FOR ISOLATED FOUNDATION											
UNDER COLUMNS MARKED	FOUNDATION MARKED	NUMBER	FOUNDATION SIZE				FOUNDATION REINFORCEMENT DETAILS				
			WIDTH (m)	LENGTH (m)	THICKNESS D1 (mm) D (mm)		DEPTH Df (mm)	BOTTOM REINFORCEMENT		TOP REINFORCEMENT	
								ALONG SHORT DIRECTION	ALONG LONG DIRECTION	ALONG SHORT DIRECTION	ALONG LONG DIRECTION
C2,C3,C6,C7,C18,C26	F1	06	2.00	2.00	400	250	1200	12 Φ 175 C/C	12 Φ 175 C/C	8 Φ 250 C/C	8 Φ 250 C/C
C1,C4,C5,C8,C9, C17,C19,C20,C25	F2	09	2.20	2.20	450	300	1200	12 Φ 150 C/C	12 Φ 150 C/C	8 Φ 250 C/C	8 Φ 250 C/C
C10,C11,C16,C24	F3	04	2.40	2.40	500	300	1200	12 Φ 125 C/C	12 Φ 125 C/C	8 Φ 250 C/C	8 Φ 250 C/C
C14,C15,C23	F4	03	2.80	2.80	600	400	1200	12 Φ 125 C/C	12 Φ 125 C/C	8 Φ 250 C/C	8 Φ 250 C/C

- NOTES :
1. UNLESS OTHERWISE STATED ALL CONSTRUCTION SHALL BE CARRIED OUT CONFORMING TO RELEVANT CODES OF PRACTICE.
 2. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS EXCEPT OTHERWISE MENTIONED ONLY WRITTEN SHALL BE FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWING SHALL BE IN ACCORDANCE WITH ARCHITECTURAL DRAWING.
 3. ALL STRUCTURAL DRAWINGS SHALL BE REALIZED IN ACCORDANCE WITH ARCHITECTURAL DRAWING AS WELL AS RELEVANT ARCHITECTURAL CODES.
 4. ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
 5. UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE Fe-500/500 D CONFORMING TO IS-1786-2008.
 6. ADEQUATE CHAIR BARS TO BE PROVIDED TO KEEP THE TOP REINFORCEMENT IN PROPER POSITION.
 7. VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
 8. UNLESS OTHERWISE SPECIFIED DISTRIBUTION REINFORCEMENT SHALL BE 8 T Φ 250 C/C.
 9. CONCRETE CLEAR COVER SHALL BE AS FOLLOWS:
 - i) ISOLATED FOUNDATION : 50 mm
 - ii) RAFT FOUNDATION : 50 mm
 - iii) SHEAR WALL : 20 mm
 10. GRADE OF CONCRETE FOR SUBSTRUCTURE WILL BE M25 AS PER IS: 456:2000.
 11. DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP 34:1987
 12. THE NET SAFE BEARING CAPACITIES FOR ISOLATED AND RAFT FOUNDATIONS AT DEPTH (-)1.20m. FROM G.L. INTUNE WITH THE SOIL REPORT PREPARED BY ASSOCIATED FOUNDATION ENGINEERS (ASIM SARKAR).
 13. THE MENTIONED BEARING CAPACITIES MUST BE ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEO-TECHNICAL ENGINEER FOR VALIDITY OF THIS DRAWING.
 14. 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+3+1 STORIED RESIDENTIAL (APARTMENT) BUILDING OF NIRUPAMA MISHRA OVER R.S. PLOT NO.-448(P), L.R. PLOT NO.-2712, L.R. KHATIAN NO.-843, R.S. KHATIAN NO.-2723, MOUZA-GOPINATHPUR, J.L. NO.-85, P.S.-COKE OVEN, DIST.- PASCHIM BARDHAMAN.

• HOLDING NO. - 76/N
• WARD NO. - 28
• ASSESSMENT NO. - 3309404380538

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

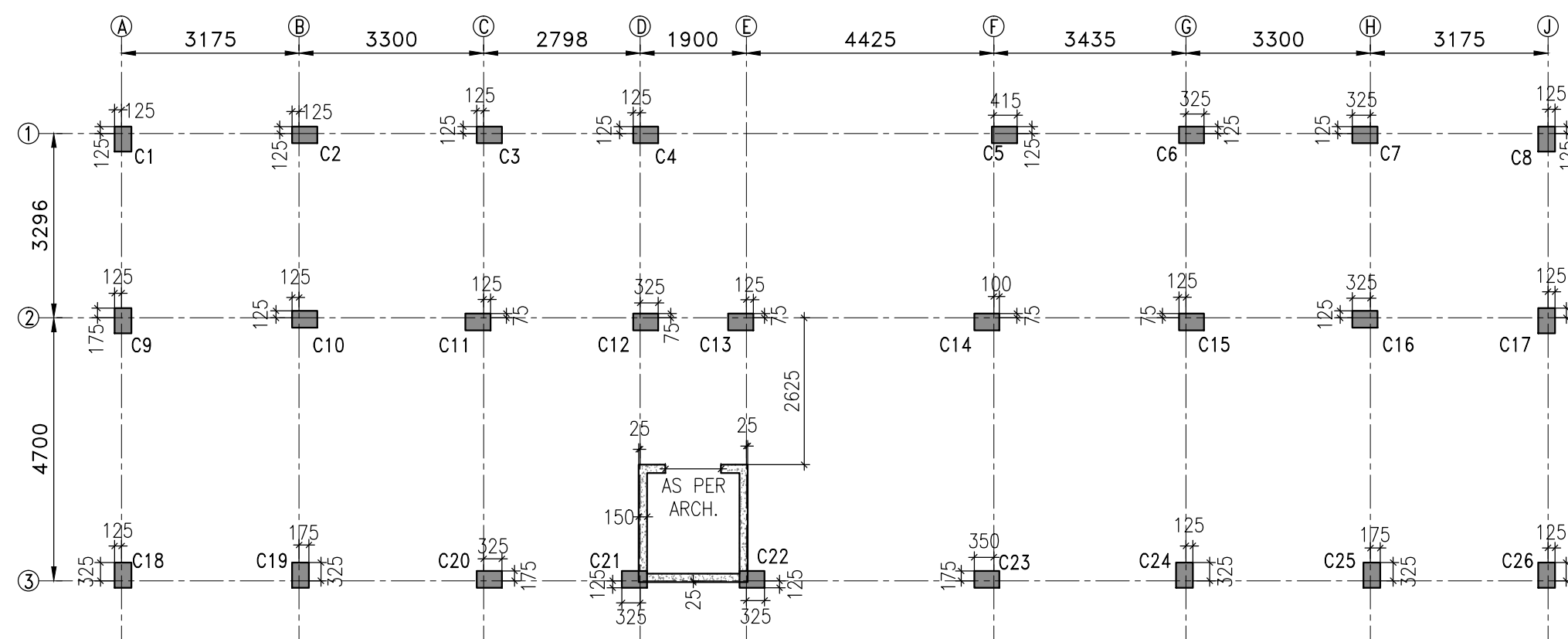
STRUCTCON ENTERPRISE
REGD. ADDRESS: ASHRAY
APARTMENT, GROUND FLOOR
968, KALIKAPUR ROAD,
KOLKATA- 700 099
Email-structconenterprise@gmail.com
Ph.-8100483509

DRAWING TITLE

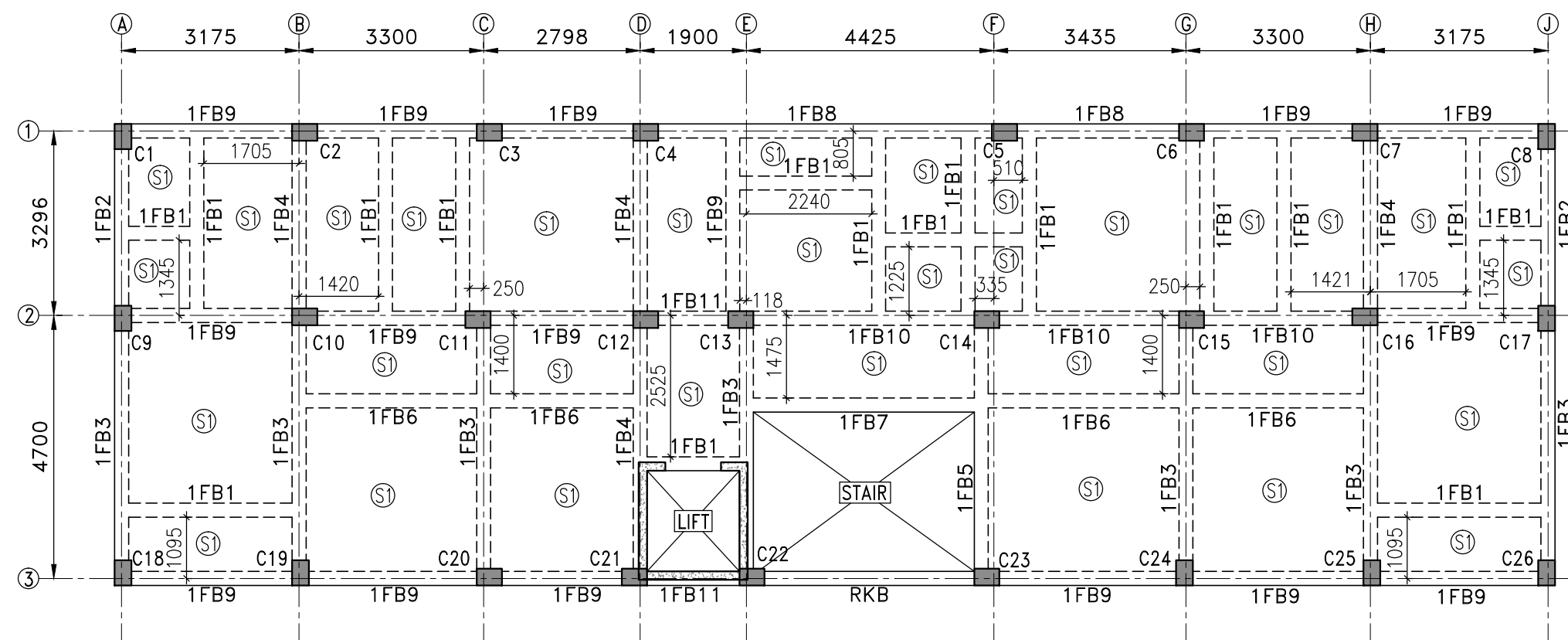
FOUNDATION LAYOUT PLAN WITH REINF. DETAILS.

SCALE:-1:100 OR AS SHOWN
DATE:-29.10.2025
SHEET NO.- 1 OF 3

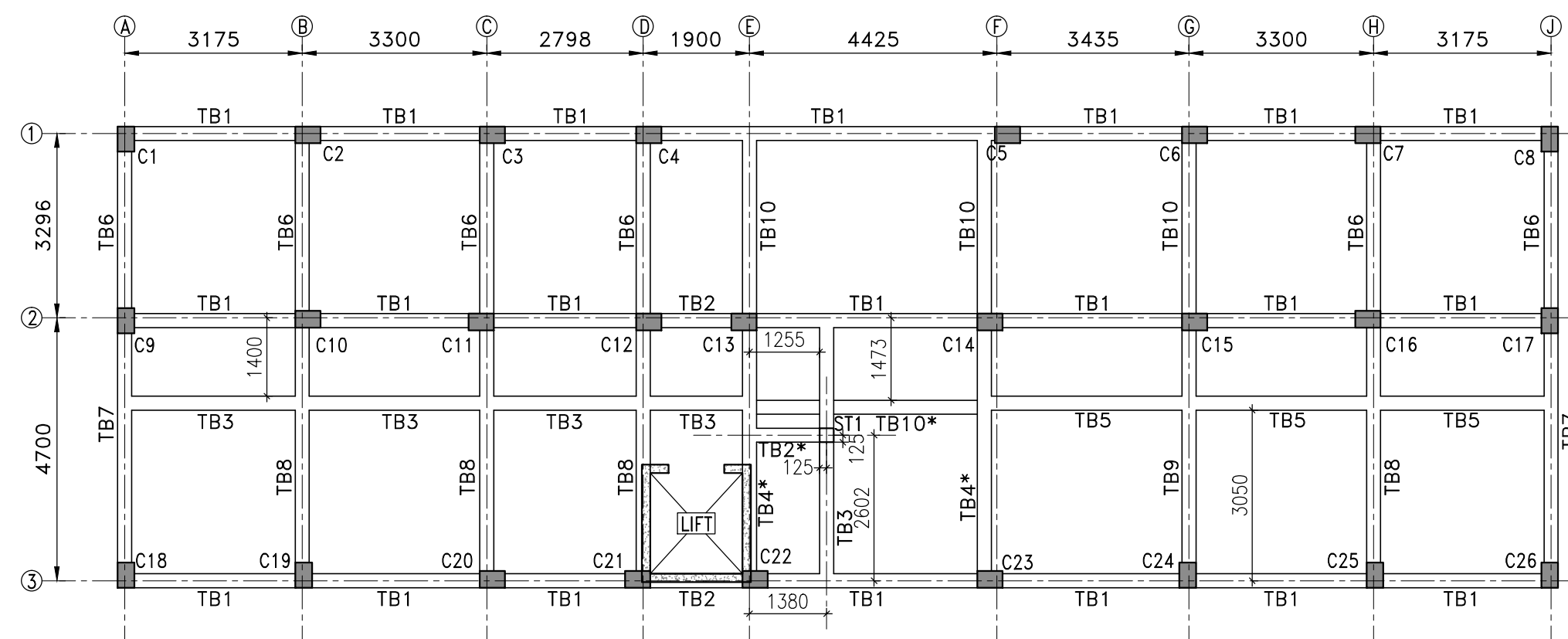
SHEET SIZE- A1



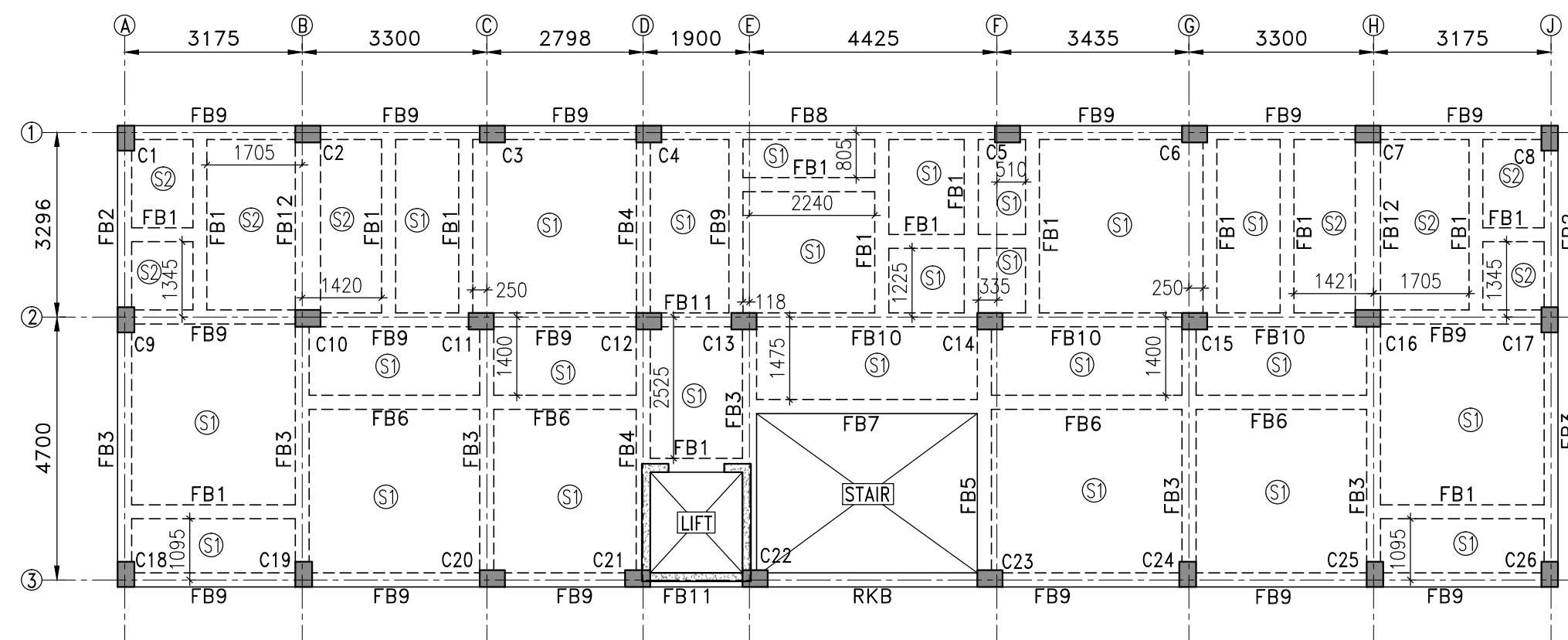
COLUMN LAYOUT PLAN
SCALE 1:100



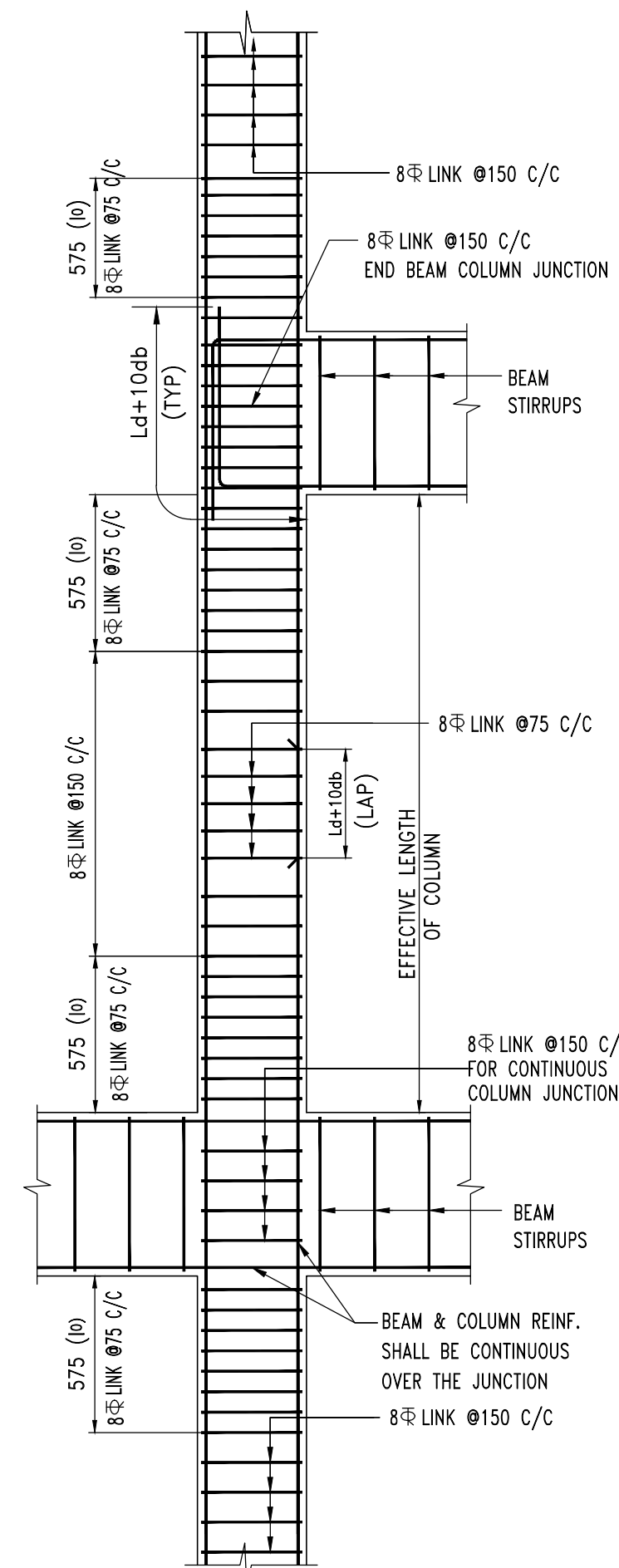
1ST FLOOR BEAM AND SLAB
LAYOUT PLAN AT LEVEL (+)3.350m.
S1 MARKED SLABS ARE 115mm. THICK.
RKB REFERS TO RAKER BEAM.
SCALE-1:100



TIE BEAM LAYOUT PLAN
AT LEVEL (±)0.000m.
* MARKED BEAM PRESENT AT LEVEL (+)0.600m.
SCALE-1:100

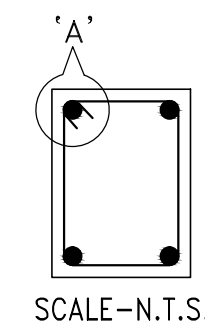
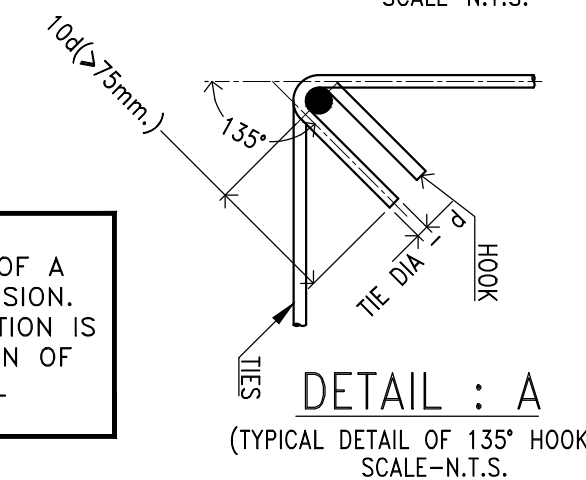


TYPICAL FLOOR BEAM AND SLAB
LAYOUT PLAN AT LEVELS (+)6.400m,
(+)9.450m, (+)12.500m.
S1 MARKED SLABS ARE 115mm. THICK.
S2 MARKED SLABS ARE 150mm. THICK.
RKB REFERS TO RAKER BEAM.
SCALE-1:100



TYPICAL DUCTILE DETAIL OF
BEAM COLUMN JUNCTION

L_d = DEVELOPMENT LENGTH IN TENSION
d = DIAMETER OF LONGITUDINAL BAR
SCALE-N.T.S.



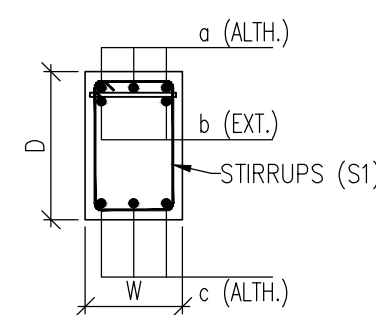
SCHEDULE OF COLUMNS				
COLUMN MARKED	NO.OF COLUMNS	COLUMN SIZE (mm x mm)	FOUNDATION TO ROOF/ABOVE ROOF	STIRRUP ARRANGEMENT & SPACING NEAR JUNCTION (i) REST PORTION
C13,C14, C22,C23	04	300X450		
C1,C2,C3,C4, C5,C6,C7,C8, C9,C12,C17, C18,C19,C21, C25,C26	16	300X450		
C10,C11,C15, C16,C20,C24	06	300X450		

SCHEDULE OF STOOL COLUMNS			
COLUMN MARKED	NO.OF COLUMNS	COLUMN SIZE (mm x mm)	STIRRUP ARRANGEMENT & SPACING
ST2,ST4 (ROOF TO L.M.R ROOF)	02	250X450	
ST1 (±)0.00M TO (±)0.60M.	03	250X250	

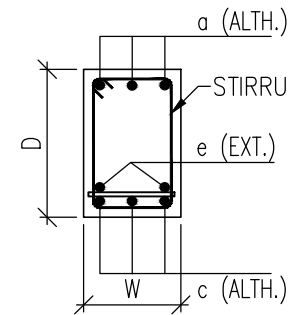
SCHEDULE OF TIE BEAMS							
BEAM MARKED	BEAM SIZE (W x D) (mm)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
		ALTHROUGH (a)	EXTRA AT SUPPORT (b)	ALTHROUGH (c)	EXTRA AT SPAN (e)		
TB1	250 400	2-12Φ	-	3-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
TB2	250 400	2-12Φ	-	3-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@100 C/C
TB3	250 400	2-12Φ	-	2-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
TB4	250 600	3-16Φ	2-12Φ	3-16Φ	-	2L-8Φ@200 C/C	2L-8Φ@200 C/C
TB5	250 400	3-16Φ	-	3-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@150 C/C
TB6	250 400	2-12Φ	2-12Φ	3-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
TB7	250 400	2-12Φ	2-16Φ	3-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
TB8	250 400	2-12Φ	2-12Φ	3-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@100 C/C
TB9	250 400	3-16Φ	3-16Φ	3-12Φ	2-16Φ	2L-8Φ@100 C/C	2L-8Φ@200 C/C
TB10	250 400	3-16Φ	-	3-16Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C

SCHEDULE OF 1ST FLOOR BEAMS							
BEAM MARKED	BEAM SIZE (W x D) (mm)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
		ALTHROUGH (a)	EXTRA AT SUPPORT (b)	ALTHROUGH (c)	EXTRA AT SPAN (e)		
1FB1	250 400	3-12Φ	-	3-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@150 C/C
1FB2	250 450	3-16Φ	2-16Φ	3-16Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
1FB3	250 450	3-16Φ	3-16Φ	3-16Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
1FB4	250 450	3-16Φ	2-12Φ	3-16Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
1FB5	250 450	3-16Φ	3-16Φ	3-16Φ	2-12Φ	2L-8Φ@100 C/C	2L-8Φ@200 C/C
1FB6	250 450	3-12Φ	-	3-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
1FB7	250 450	3-12Φ	-	3-16Φ	2-16Φ	2L-8Φ@100 C/C	2L-8Φ@200 C/C
1FB8	250 450	2-12Φ	2-16Φ	2-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
1FB9	250 450	2-12Φ	-	2-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
1FB10	250 450	2-12Φ	2-12Φ	2-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@200 C/C
1FB11	250 450	2-12Φ	-	2-12Φ	-	2L-8Φ@100 C/C	2L-8Φ@100 C/C
RKB	250 450	3-16Φ	-	3-16Φ	-	2L-8Φ@100 C/C	2L-8Φ@100 C/C

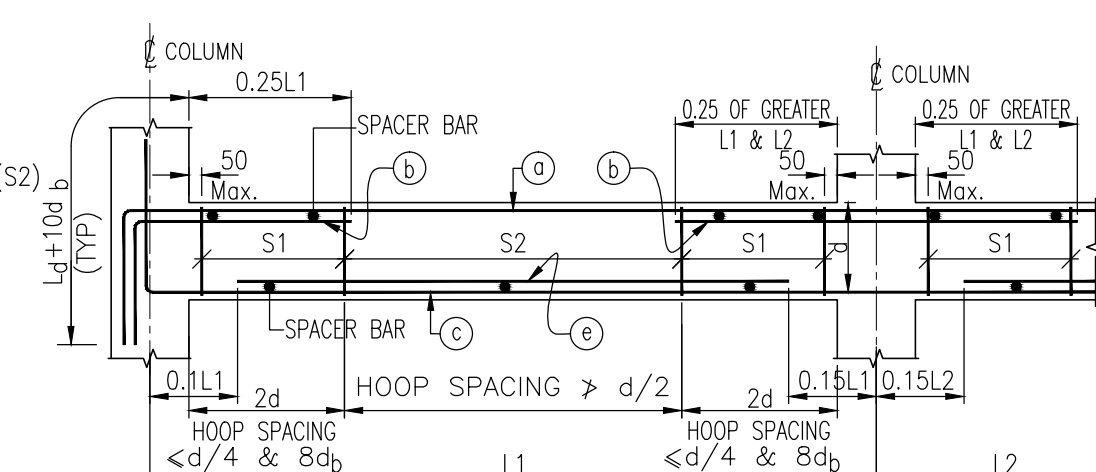
SPECIAL NOTES:-
1. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.
2. THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.



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



AT SPAN



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

- NOTES :-
- UNLESS OTHERWISE STATED ALL CONSTRUCTION SHALL BE CARRIED OUT CONFORMING TO RELEVANT (IND OF PRACTICE).
 - ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS EXCEPT OTHERWISE MENTIONED ONLY WRITTEN FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS SHALL BE TO FINISH.
 - ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF THE 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:
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 & SPICES 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 PROPOSED G+3+1 STORIED RESIDENTIAL (APARTMENT) BUILDING OF NIRUPAMA MISHRA OVER R.S. PLOT NO.-448(P), L.R. PLOT NO.-2712, L.R. KHATIAN NO.-843, R.S. KHATIAN NO.-2723, MOUZA-GOPINATHPUR, J.L. NO.-85, P.S.-COKE OVEN, DIST.- PASHCHIM BARDHAMAN.

• HOLDING NO. - 76/N
• WARD NO. - 28
• ASSESSMENT NO. - 3309404380538

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

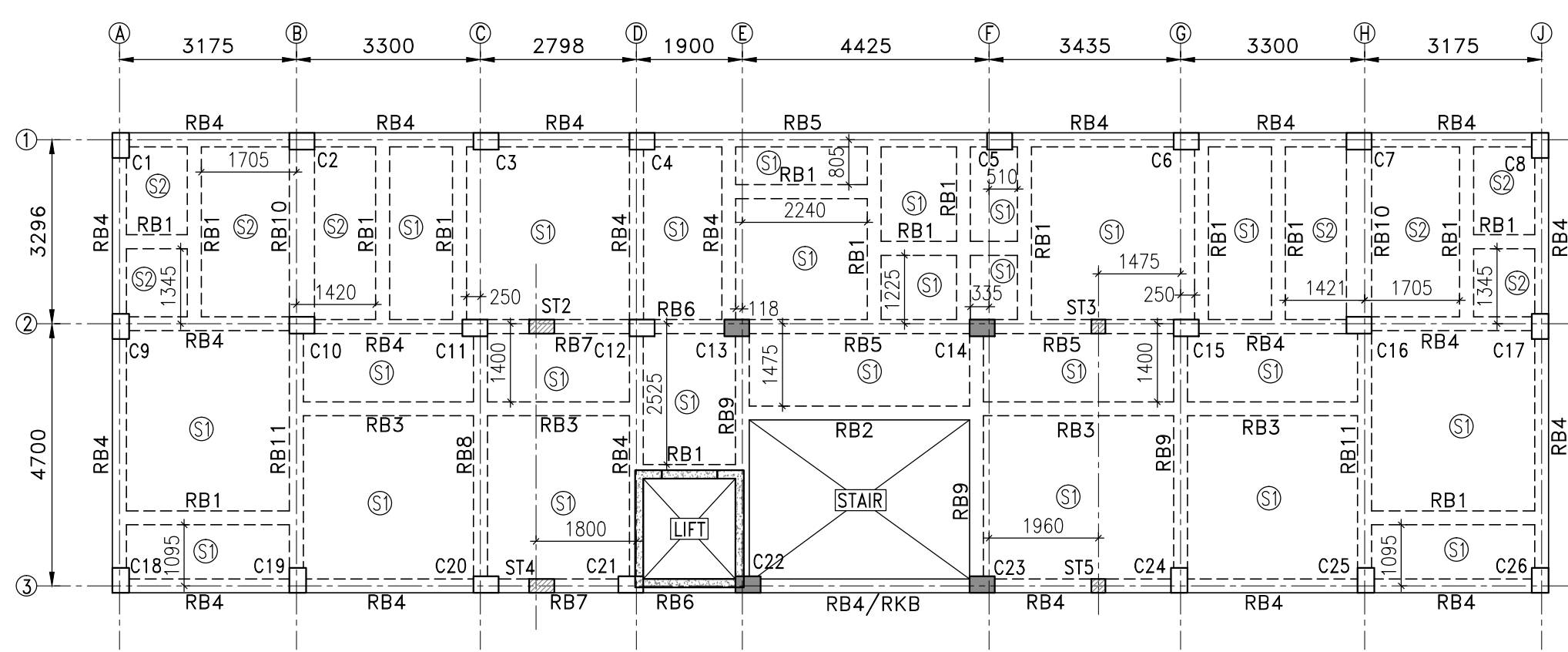
SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF THE VETTING AUTHORITY

STRUCTURAL CONSULTANT
STRUCTCON ENTERPRISE
REGD. ADDRESS: ASHRAY
APARTMENT, GROUND FLOOR
96B, KALIKAPUR ROAD,
KOLKATA- 700 099
Email-structconenterprise@gmail.com
Ph.-8100483509

DRAWING TITLE
COLUMN & TIE BEAM LAYOUT PLAN WITH REINF. DETAILS, 1ST & TYPICAL FLOOR BEAM & SLAB LAYOUT PLAN WITH REINF.

SCALE:-1:100 OR AS SHOWN
DATE:-29.10.2025
SHEET NO.- 2 OF 3
SHEET SIZE- A1

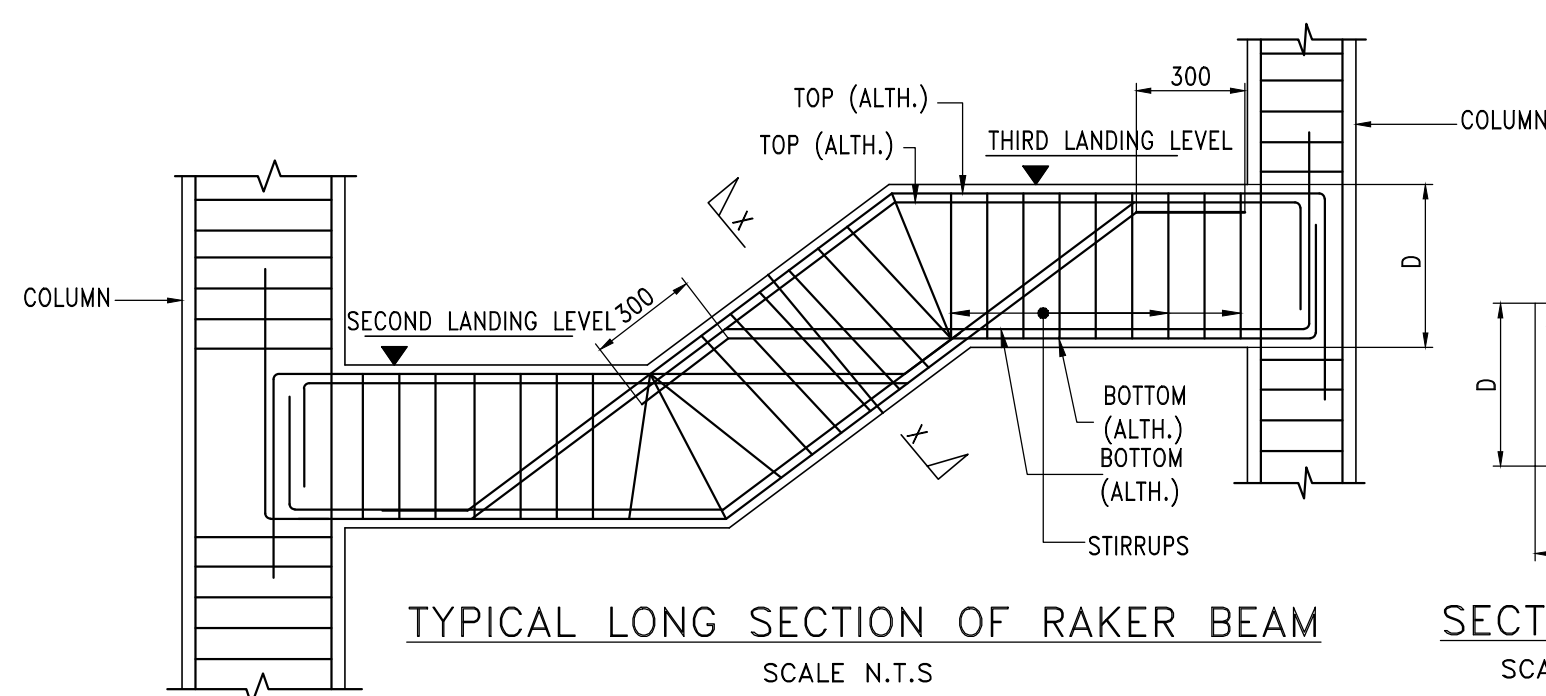
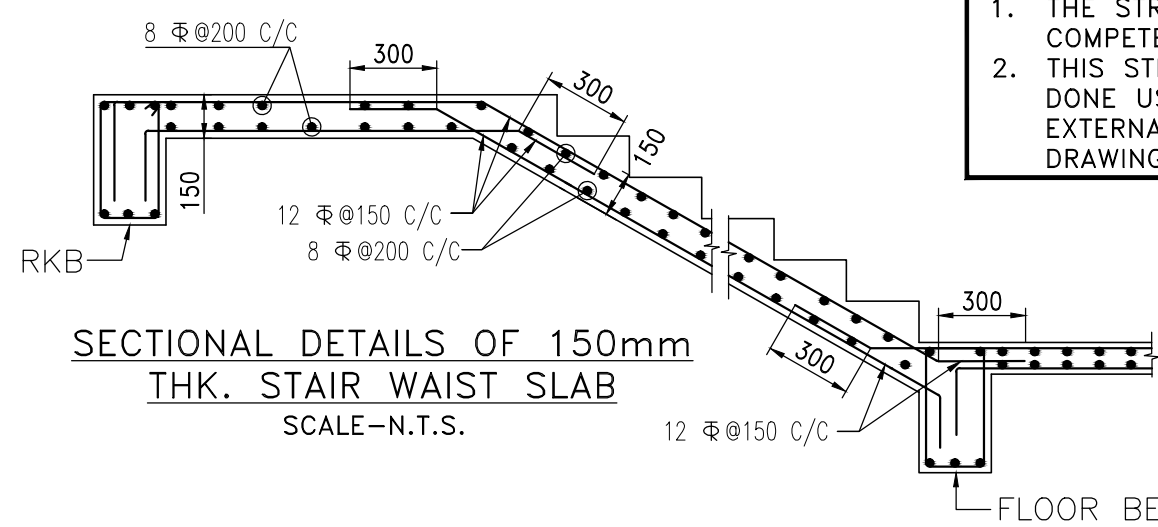


ROOF BEAM AND SLAB
LAYOUT PLAN AT LEVELS (+)15.550m.
S1 MARKED SLABS ARE 115mm. THICK.
S2 MARKED SLABS ARE 150mm. THICK.
RKB REFERS TO RAKER BEAM.
SCALE-1:100

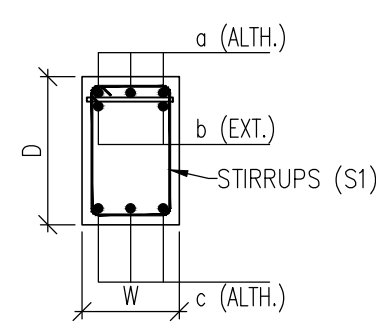
SCHEDULE OF ROOF BEAMS									
BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT			BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
	WIDTH (W) (mm)	DEPTH (D) (mm)	ALTHROUGH (a)	EXTRA AT SUPPORT		ALTHROUGH (c)	EXTRA AT SPAN (e)		
				LEFT (b)	RIGHT				
RB1	250	400	3-12 ￼	-	-	3-12 ￼	-	2L-8 ￼100 C/C	2L-8 ￼150 C/C
RB2	250	450	3-12 ￼	-	-	3-16 ￼	2-16 ￼	2L-8 ￼200 C/C	2L-8 ￼200 C/C
RB3	250	450	3-12 ￼	-	-	3-12 ￼	-	2L-8 ￼100 C/C	2L-8 ￼200 C/C
RB4	250	450	2-12 ￼ +1-16 ￼	-	-	3-12 ￼	-	2L-8 ￼100 C/C	2L-8 ￼200 C/C
RB5	250	450	2-12 ￼ +1-16 ￼	2-12 ￼	2-12 ￼	3-12 ￼	-	2L-8 ￼100 C/C	2L-8 ￼200 C/C
RB6	250	450	LAYER 1 2-12 ￼ LAYER 2 2-12 ￼	-	-	3-12 ￼	-	2L-8 ￼100 C/C	2L-8 ￼100 C/C
RB7	250	500	2-12 ￼ +1-16 ￼	2-12 ￼	2-12 ￼	3-12 ￼	2-12 ￼	2L-8 ￼100 C/C	2L-8 ￼150 C/C
RB8	250	450	2-12 ￼ +1-16 ￼	-	-	3-12 ￼	2-12 ￼	2L-8 ￼100 C/C	2L-8 ￼200 C/C
RB9	250	450	3-16 ￼	2-12 ￼	2-12 ￼	3-16 ￼	-	2L-8 ￼100 C/C	2L-8 ￼200 C/C
RB10	450	150	4-12 ￼	-	-	4-12 ￼	-	4L-8 ￼100 C/C	4L-8 ￼150 C/C
RB11	250	450	3-12 ￼	2-12 ￼	2-12 ￼	3-12 ￼	-	2L-8 ￼100 C/C	2L-8 ￼200 C/C
RKB	250	450	3-16 ￼ +2-16 ￼	-	-	3-16 ￼	-	2L-8 ￼100 C/C	2L-8 ￼100 C/C

SCHEDULE OF ABOVE ROOF BEAMS									
BEAM MARKED	BEAM SIZE WIDTH (W) DEPTH (D) (mm)	TOP REINFORCEMENT				BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
		ALTHROUGH (a)	EXTRA AT SUPPORT		ALTHROUGH (c)	EXTRA AT SPAN (e)			
			LEFT (b)	RIGHT					
WTB1	250 450	3-12 ￼	—	—	3-12 ￼	—	2L-8 ￼@100 C/C	2L-8 ￼@100 C/C	
WTB2	250 450	3-12 ￼	2-12 ￼	2-12 ￼	3-12 ￼	2-12 ￼	2L-8 ￼@100 C/C	2L-8 ￼@200 C/C	
LMFB1	250 400	3-12 ￼	—	—	3-12 ￼	—	2L-8 ￼@100 C/C	2L-8 ￼@200 C/C	
LMFB2	250 400	2-12 ￼ +1-16 ￼	2-16 ￼	2-16 ￼	3-12 ￼	2-16 ￼	2L-8 ￼@100 C/C	2L-8 ￼@200 C/C	
LMFB3	250 400	2-12 ￼ +1-16 ￼	—	—	3-12 ￼	2-16 ￼	2L-8 ￼@100 C/C	2L-8 ￼@200 C/C	
MRB	250 400	2-12 ￼ +1-16 ￼	—	—	2-12 ￼ +1-16 ￼	—	2L-8 ￼@100 C/C	2L-8 ￼@200 C/C	
LMRB1	250 400	3-12 ￼	—	—	3-12 ￼	—	2L-8 ￼@100 C/C	2L-8 ￼@200 C/C	
LMRB2	250 400	3-12 ￼	—	—	3-12 ￼	2-12 ￼	2L-8 ￼@100 C/C	2L-8 ￼@200 C/C	

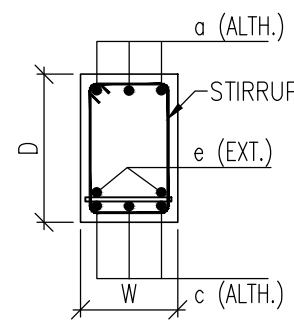
WATER TANK BEAM AND SLAB
LAYOUT PLAN AT LEVEL (+)16.550m.
WATER TANK CAPACITY-10,000 LIT.
S4 MARKED SLABS ARE 150mm. THICK.
SCALE-1:100



SECTION-X-X
SCALE N.T.S.



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



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

MUMTY BEAM AND SLAB
LAYOUT PLAN AT LEVEL
(+)17.950m.
S3 MARKED SLABS ARE 115mm. THICK.
SCALE-1:100

SPECIAL NOTES:-
1. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.
2. 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.

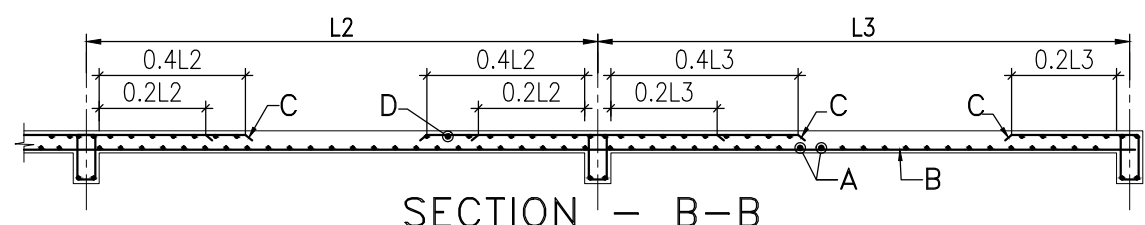
L.M.R FLOOR BEAM AND
SLAB LAYOUT PLAN AT LEVEL
(+)17.150m.
S4 MARKED SLABS ARE 150mm. THICK.
SCALE-1:100

L.M.R ROOF BEAM AND
SLAB LAYOUT PLAN AT LEVEL
(+)19.550m.
S3 MARKED SLABS ARE 115mm. THICK.
SCALE-1:100

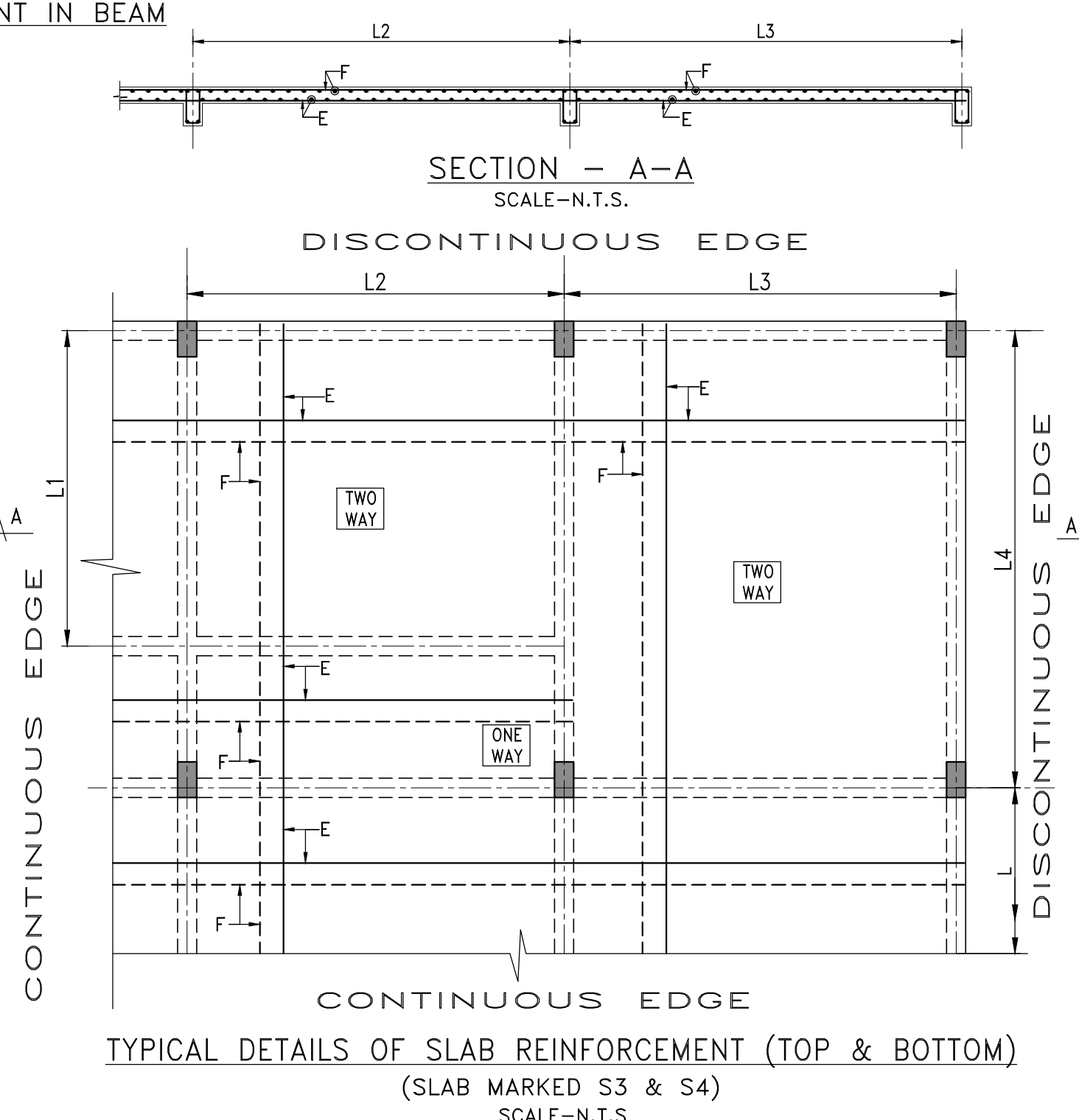
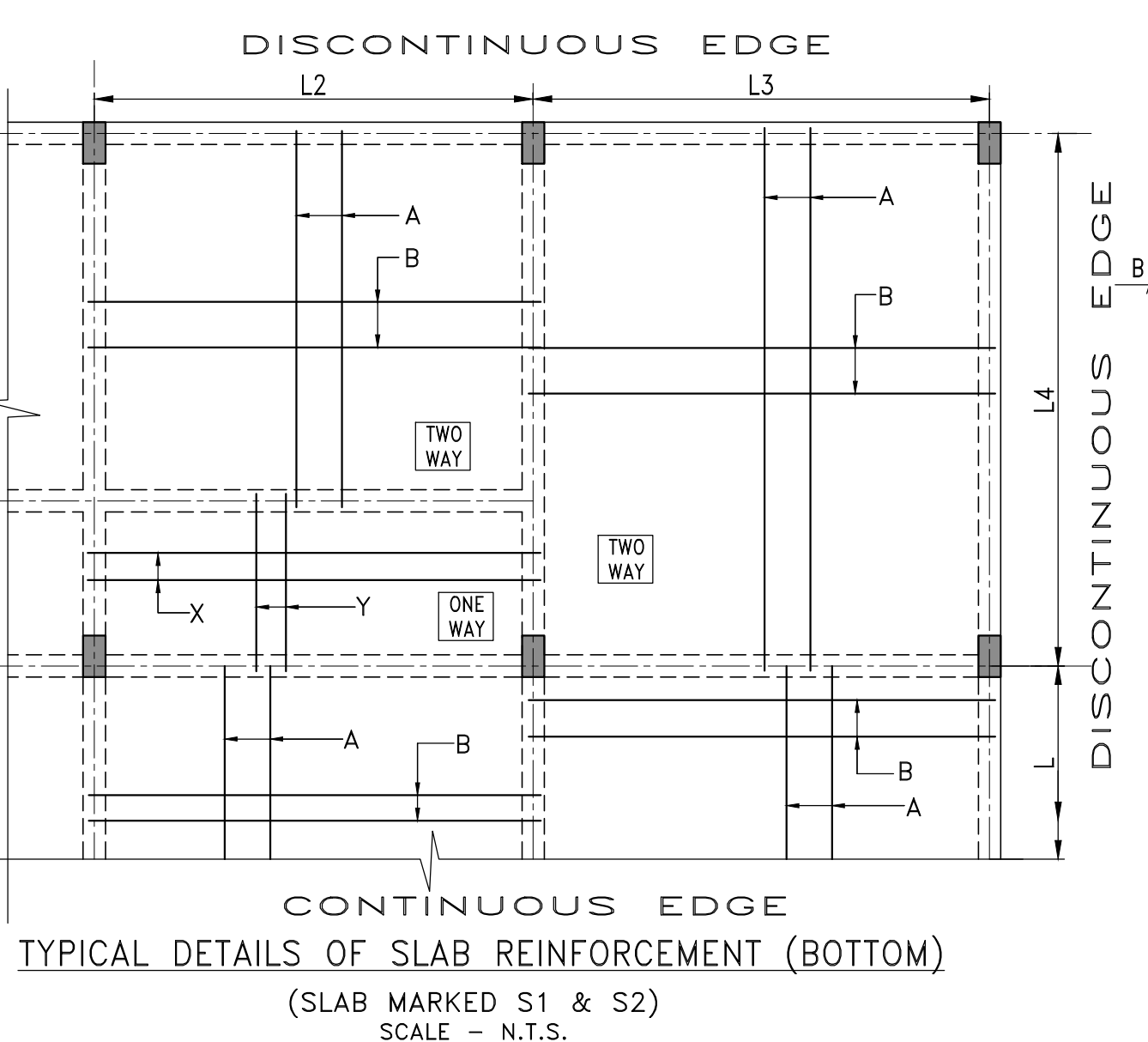
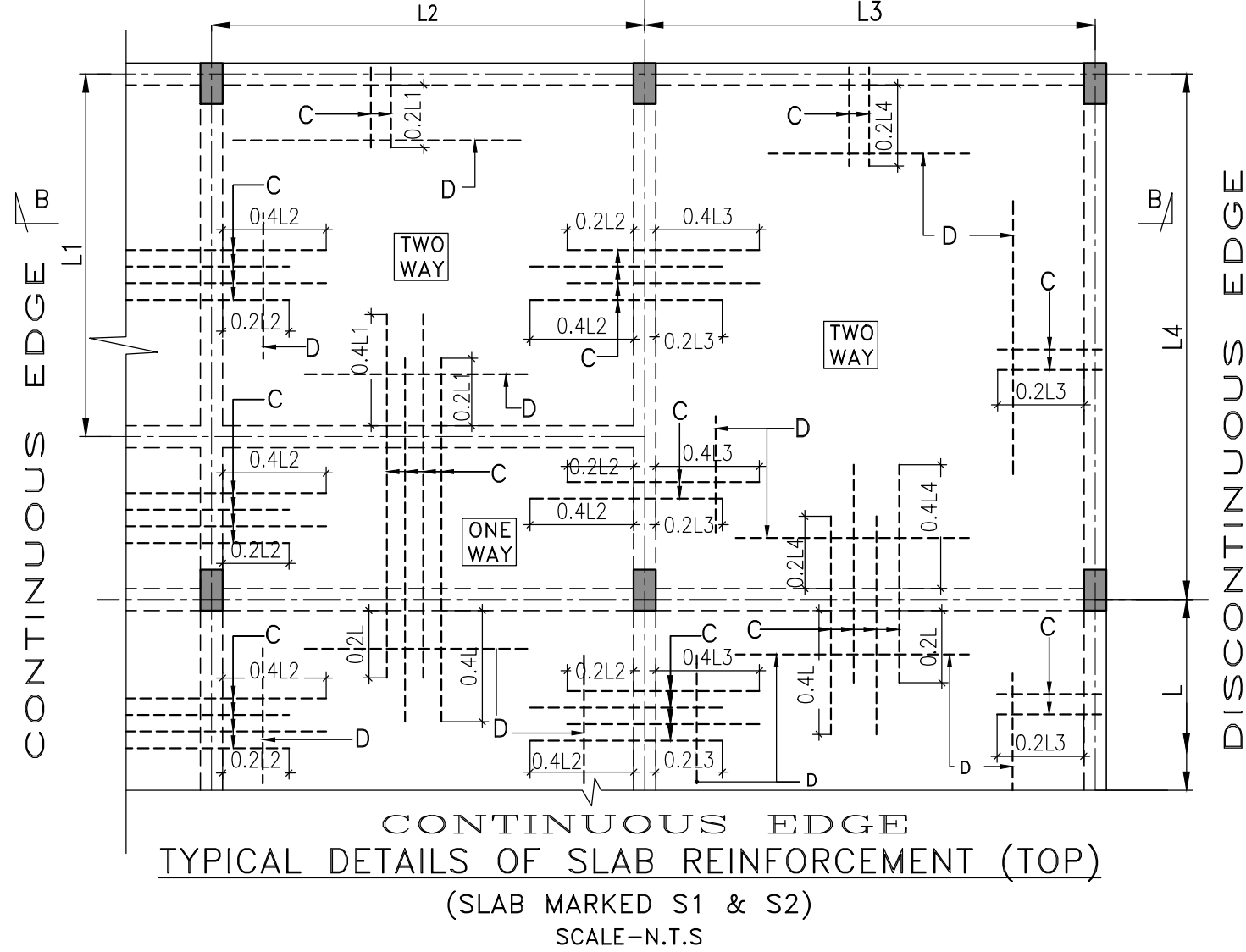
SCHEDULE OF S1 & S2 MARKED SLABS (1ST FLOOR, TYPICAL FLOOR & ROOF SLABS THICKNESS-115mm & 150mm.)		
BAR MKD.	REINFORCEMENT	POSITION
A	8# @ 150 mm C/C (ALL THROUGH)	BOT.
B	8# @ 150 mm C/C (ALL THROUGH)	BOT.
X	8# @ 150 mm C/C (ALL THROUGH)	BOT.
Y	8# @ 150 mm C/C (ALL THROUGH)	BOT.
C	8# @ 150mm C/C (CURTAILMENT)	TOP
D(BINDER)	8# @ 200 mm C/C (WHEREVER REQUIRED)	TOP

SCHEDULE OF S4 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 S3 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



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



- NOTES :
- UNLESS OTHERWISE STATED ALL CONSTRUCTION SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD OF PRACTICE.
 - ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE GIVEN EXCEPT OTHERWISE MENTIONED ONLY WRITTEN FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS SHALL BE STRUCTURAL LEVEL ONLY (WITHOUT FINISH).
 - ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF THE 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 PROPOSED G+3+1 STORIED RESIDENTIAL (APARTMENT) BUILDING OF NIRUPAMA MISHRA OVER R.S. PLOT NO.-448(P), L.R. PLOT NO.-2712, L.R. KHATIAN NO.-843, R.S. KHATIAN NO.-2723, MOUZA-GOPINATHPUR, J.L. NO.-85, P.S.-COKE OVEN, DIST.- PASCHIM BARDHAMAN.

- HOLDING NO. - 76/N
- WARD NO. - 28
- ASSESSMENT NO. - 3309404380538

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
ROOF & ABOVE ROOF BEAM & SLAB LAYOUT PLAN WITH REINF. DETAILS,
DETAILS OF STAIR & SLAB.

SCALE-1:100 OR AS SHOWN
DATE-29.10.2025
SHEET NO.- 3 OF 3
SHEET SIZE- A1