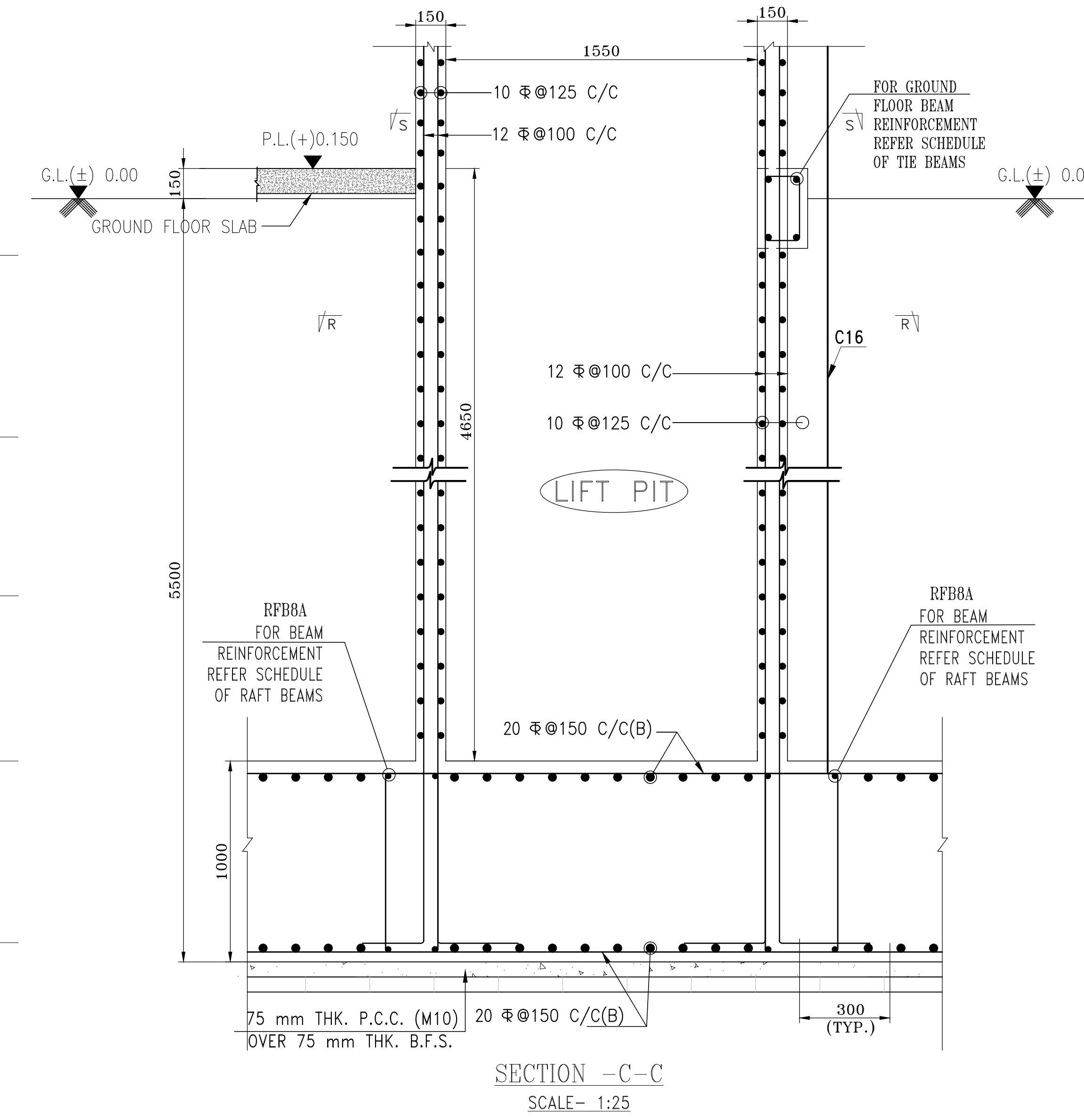


FOUNDATION LAYOUT PLAN
RAFT SLAB (RS) THICKNESS 1000mm.
SCALE 1:100



SECTION - C-C
SCALE - 1:25

- 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:
i) RAFT BEAM & SLAB : 50 mm
ii) SHEAR WALL : 20 mm
iii) RETAINING WALL : 50 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 CAPACITY 14.5 TON/M² FOR RAFT FOUNDATION AT DEPTH (-)5.5m. FROM G.L. HAS BEEN CONSIDERED AS MENTIONED IN DRAWING IN TUNE WITH THE SOIL REPORT PREPARED BY MR. ALOK ROY.
 - THE ABOVE 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 (BLOCK-12)
PROPOSED STRUCTURAL DRAWING OF BLOCK-12 OUT OF 4NOS. BLOCKS (NAMED BY:- BLOCK-12, BLOCK-13, BLOCK-14 & BLOCK-15) EACH B+G+9 STORIED COMMERCIAL CUM RESIDENTIAL (APARTMENT) BUILDING OF "SAMPRITHI HEALTHCARE INTERNATIONAL PVT. LTD." (TIMES VANIJYA PVT. LTD.) OVER L.R. PLOT NO. - 387, 388, 389, 390, 391, 398, R.S. PLOT NO.- 530, 531, 532, 528, 529, 527, J.L.NO.- 003, KHATIAN NO.- 974, MOUZA - GOPALMATH, P.S.- DURGAPUR, DIST.- PASCHIM BARDHAMAN.

SIGNATURE OF OWNER

SIGNATURE OF ARCHITECT / ENGINEER

Ar. VIJAYA SINGH MAZUMDER
COA REGISTERED
CA/2021/134276

SIGNATURE OF GEO-TECHNICAL ENGINEER

SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF THE VETTING AUTHORITY

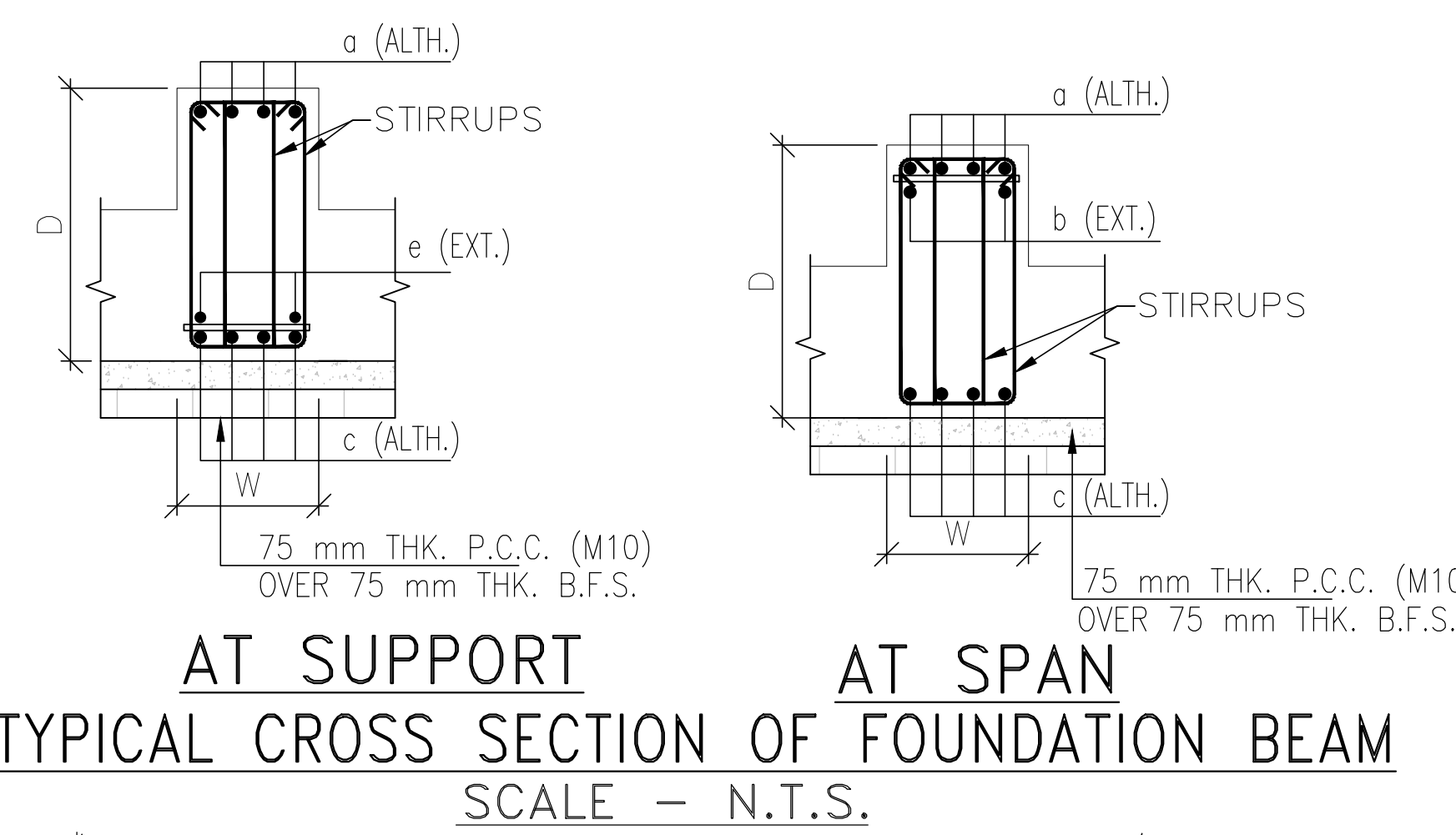
STRUCTURAL CONSULTANT:
STRUCTCON ENTERPRISE
REGD. ADDRESS: ASHRAY APARTMENT,
GROUND FLOOR
96B, KALIKAPUR ROAD,
KOLKATA - 700 099
Email-structconenterprise@gmail.com
Ph.-8697517321, 7003201735

DRAWING TITLE
FOUNDATION LAYOUT PLAN
SCALE:-1:100 OR AS SHOWN
DATE:-02.05.2023
SHEET NO. - 1 OF 5 SHEET SIZE - A1

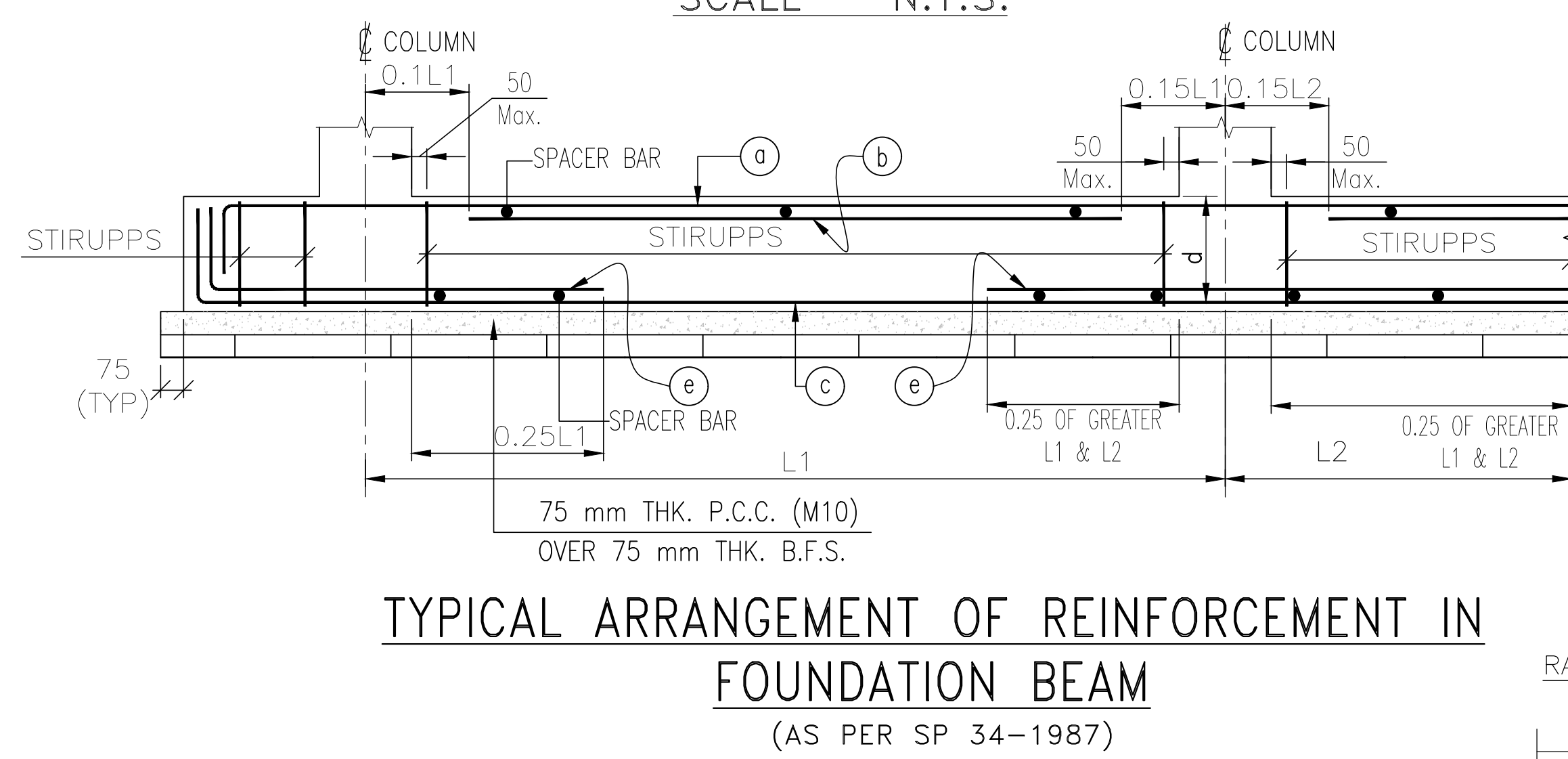
SCHEDULE OF RAFT FOOTING BEAMS								
BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS	SIDE FACE
	WIDTH (W) (mm)	DEPTH (D) (mm)	ALTHROUGH (a)	EXTRA AT SPAN (b)	ALTHROUGH (c)	EXTRA AT SUPPORT (e)		
RFB1	1300	1000	15-16 #	-	15-16 #	-	4L-8 #100 C/C	12 #150 C/C
RFB1A	1300	1000	15-16 #	-	15-16 # +8-20 #	-	4L-8 #100 C/C	12 #150 C/C
RFB2	1200	1000	12-16 #	-	12-16 #	-	4L-8 #100 C/C	12 #150 C/C
RFB3	950	1000	10-16 #	-	10-16 #	-	4L-8 #150 C/C	12 #150 C/C
RFB4	900	1000	9-16 #	-	9-16 #	-	4L-8 #150 C/C	12 #150 C/C
RFB4A	900	1000	9-16 #	-	9-16 # +8-20 #	-	4L-8 #150 C/C	12 #150 C/C
RFB5	700	1000	7-16 #	-	7-16 #	-	4L-8 #200 C/C	12 #150 C/C
RFB6	550	1000	5-16 #	-	5-16 #	-	4L-8 #200 C/C	12 #150 C/C
RFB7	450	1000	4-16 #	-	4-16 #	2-16 #	4L-8 #200 C/C	12 #150 C/C
RFB8	450	1000	4-16 #	-	4-16 #	2-20 #	4L-8 #200 C/C	12 #150 C/C
RFB8A	450	1000	4-16 #	-	4-16 # +4-20 #	-	4L-8 #200 C/C	12 #150 C/C

SCHEDULE OF RAFT SLAB					
SLAB MARKED	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		BOTTOM	TOP	BOTTOM	TOP
RS	1000	20 #150 C/C	20 #150 C/C	20 #150 C/C	20 #150 C/C

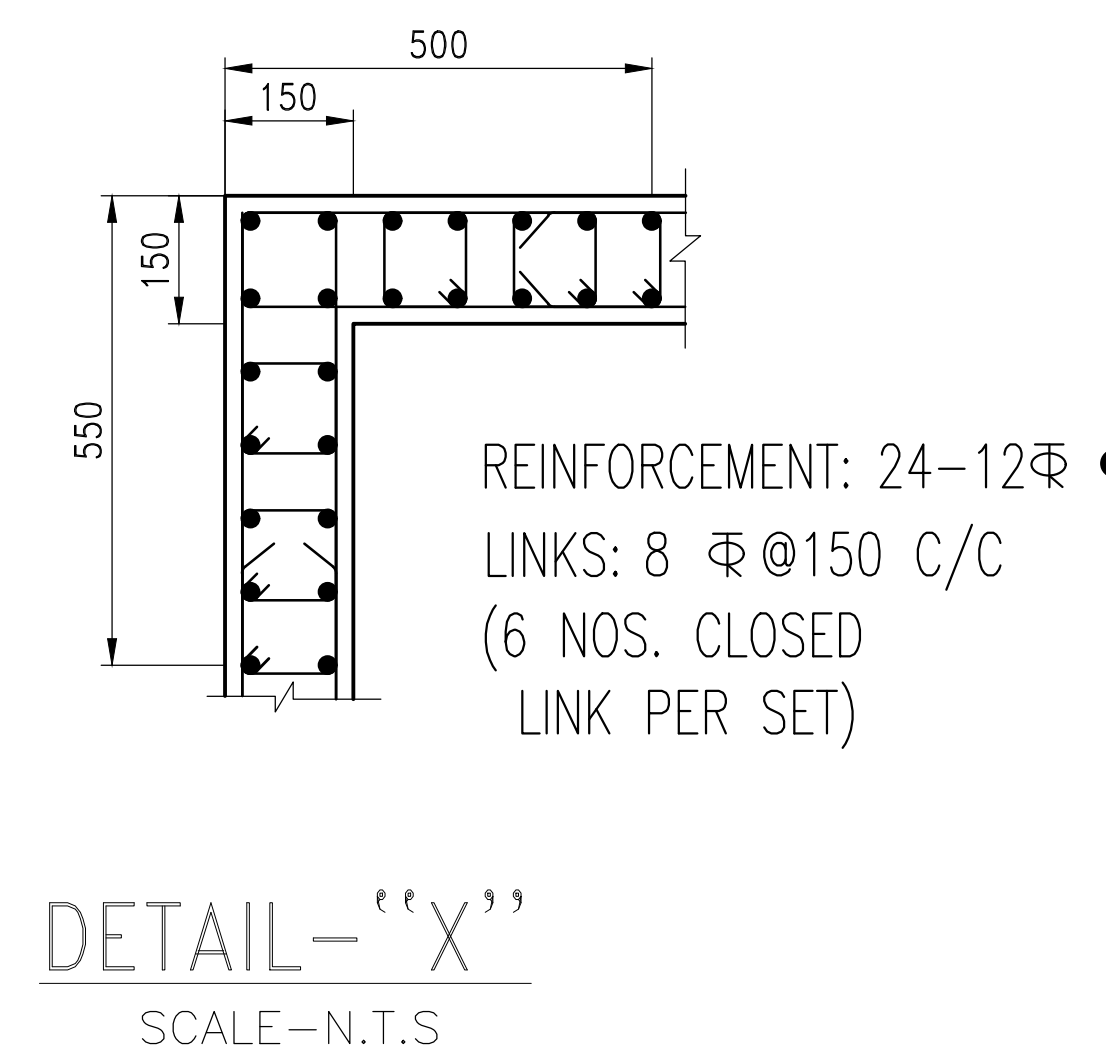
SPECIAL NOTES:-
1. THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.
2. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRUCT SUPERVISION.



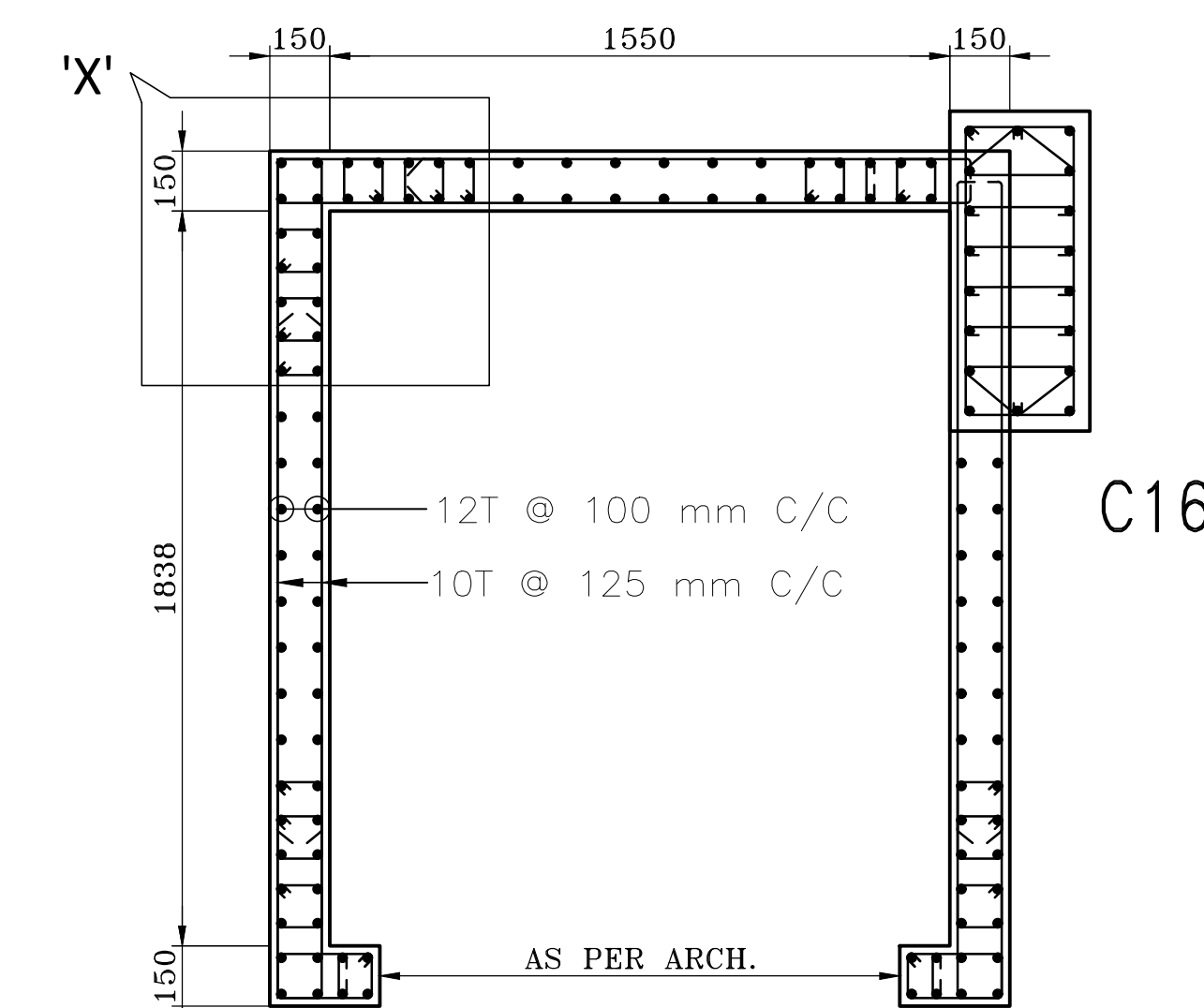
AT SUPPORT AT SPAN
TYPICAL CROSS SECTION OF FOUNDATION BEAM
SCALE - N.T.S.



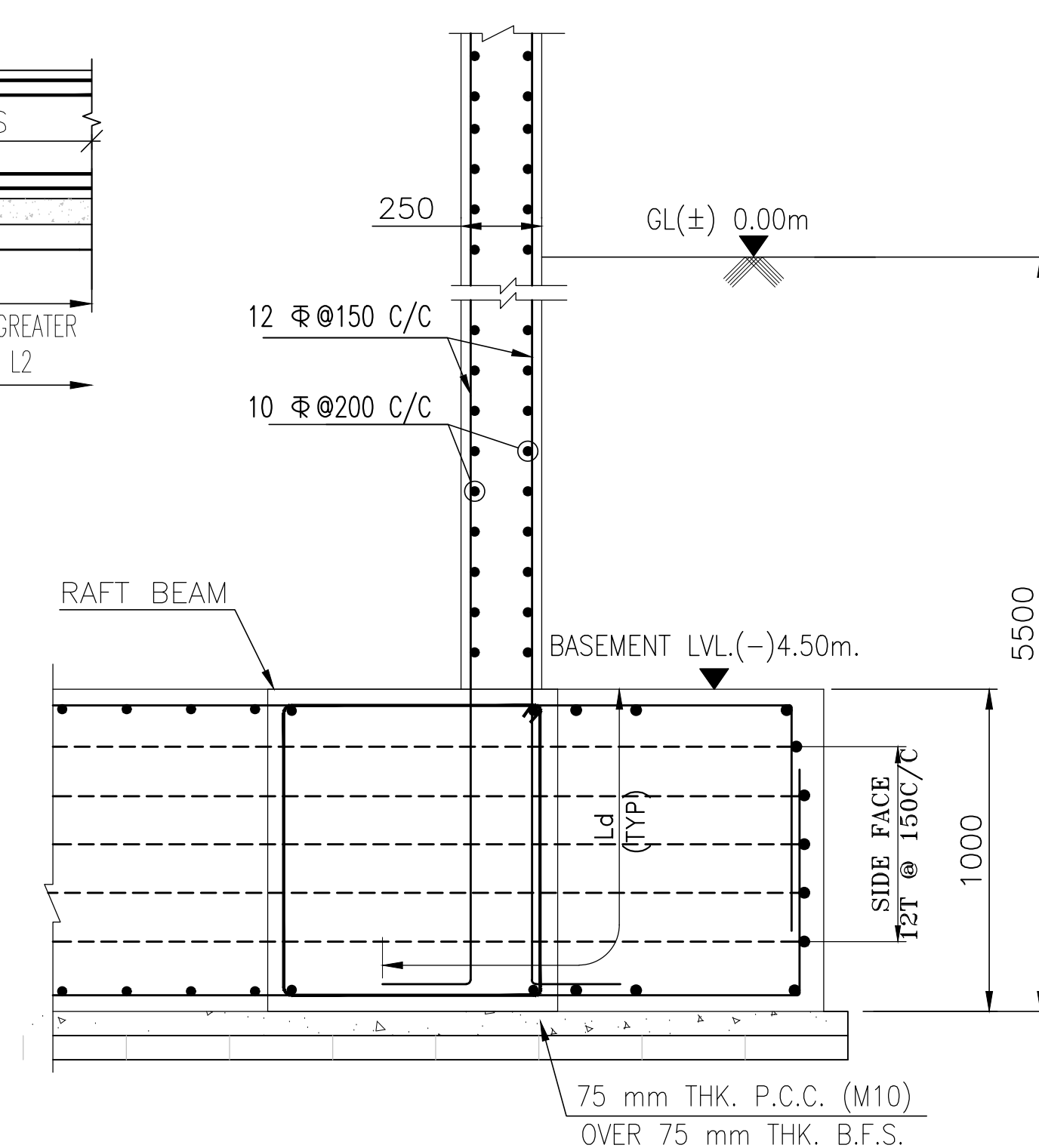
TYPICAL ARRANGEMENT OF REINFORCEMENT IN FOUNDATION BEAM
(AS PER SP 34-1987)



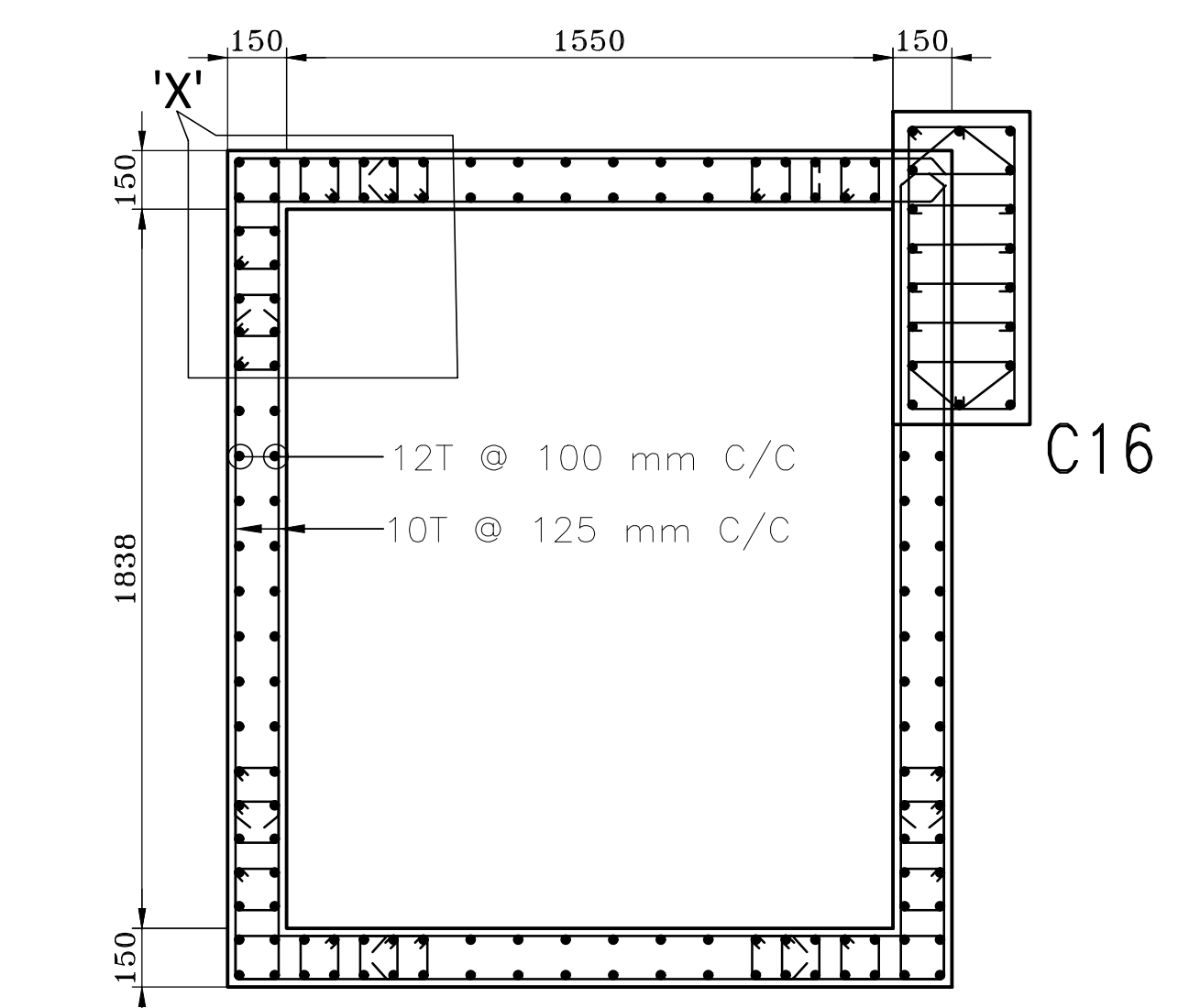
DETAIL - "X"
SCALE - N.T.S.



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



DETAILS OF RETAINING WALL
SECTION - 2-2
SCALE - 1:25



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