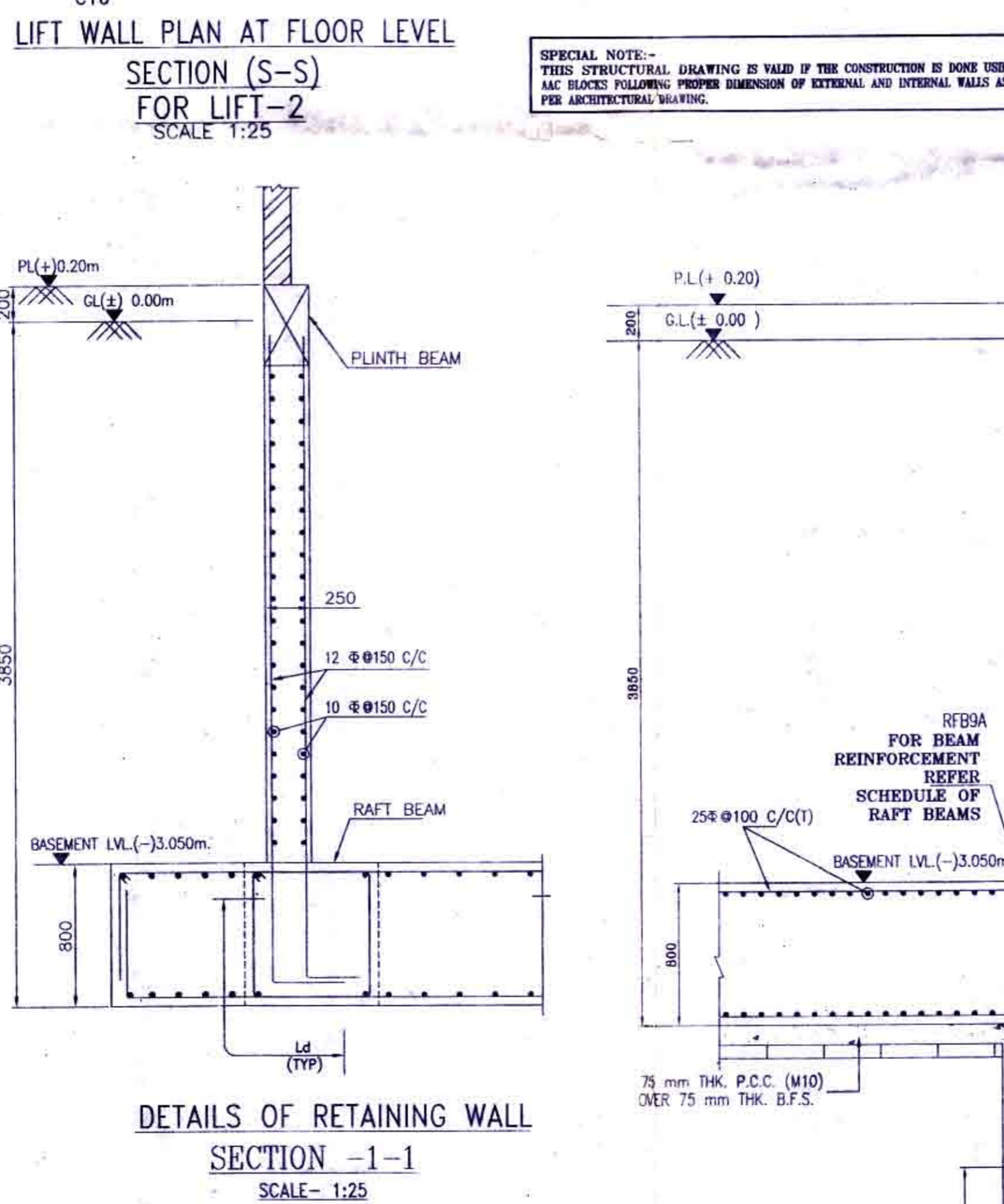
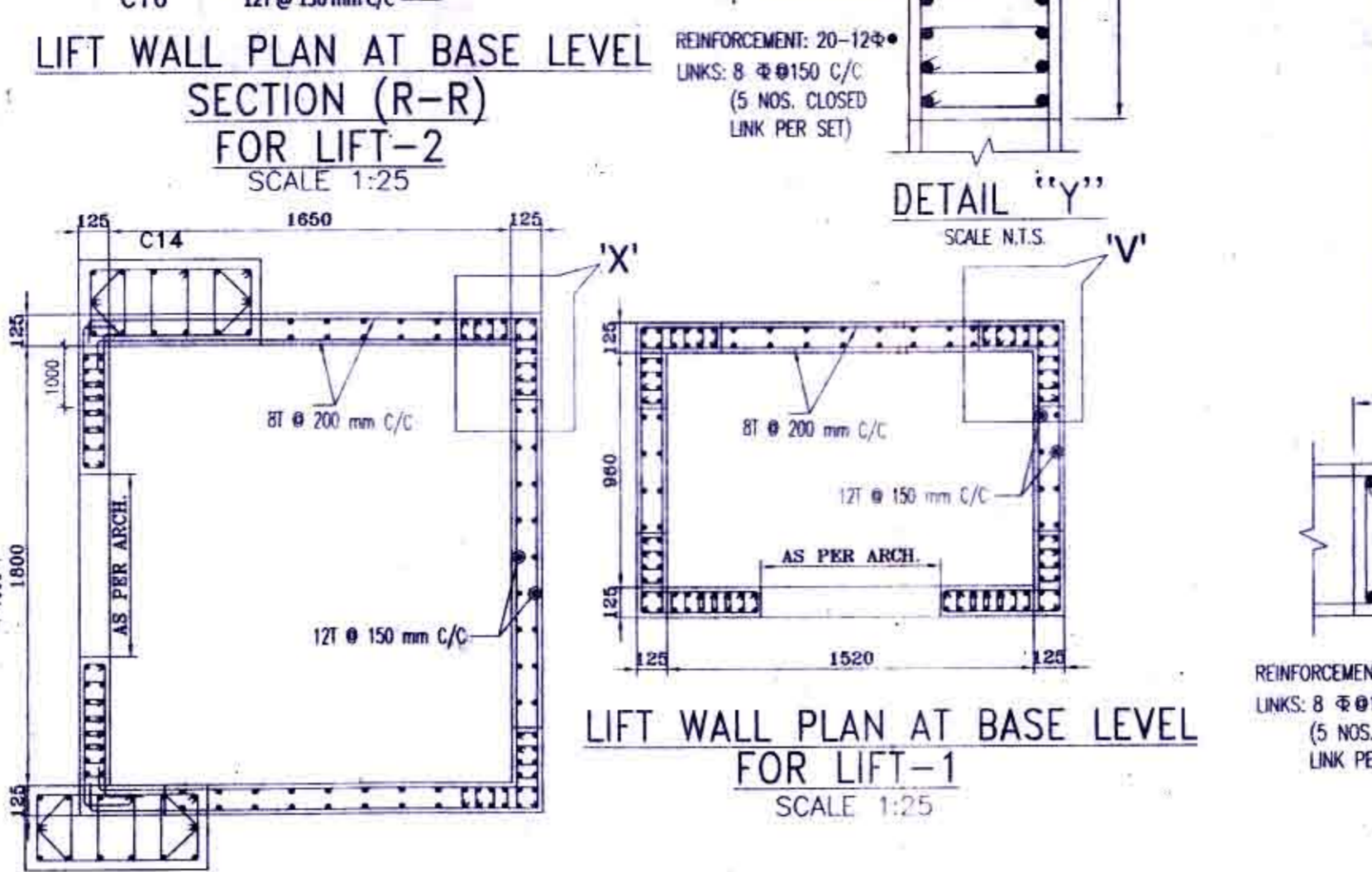
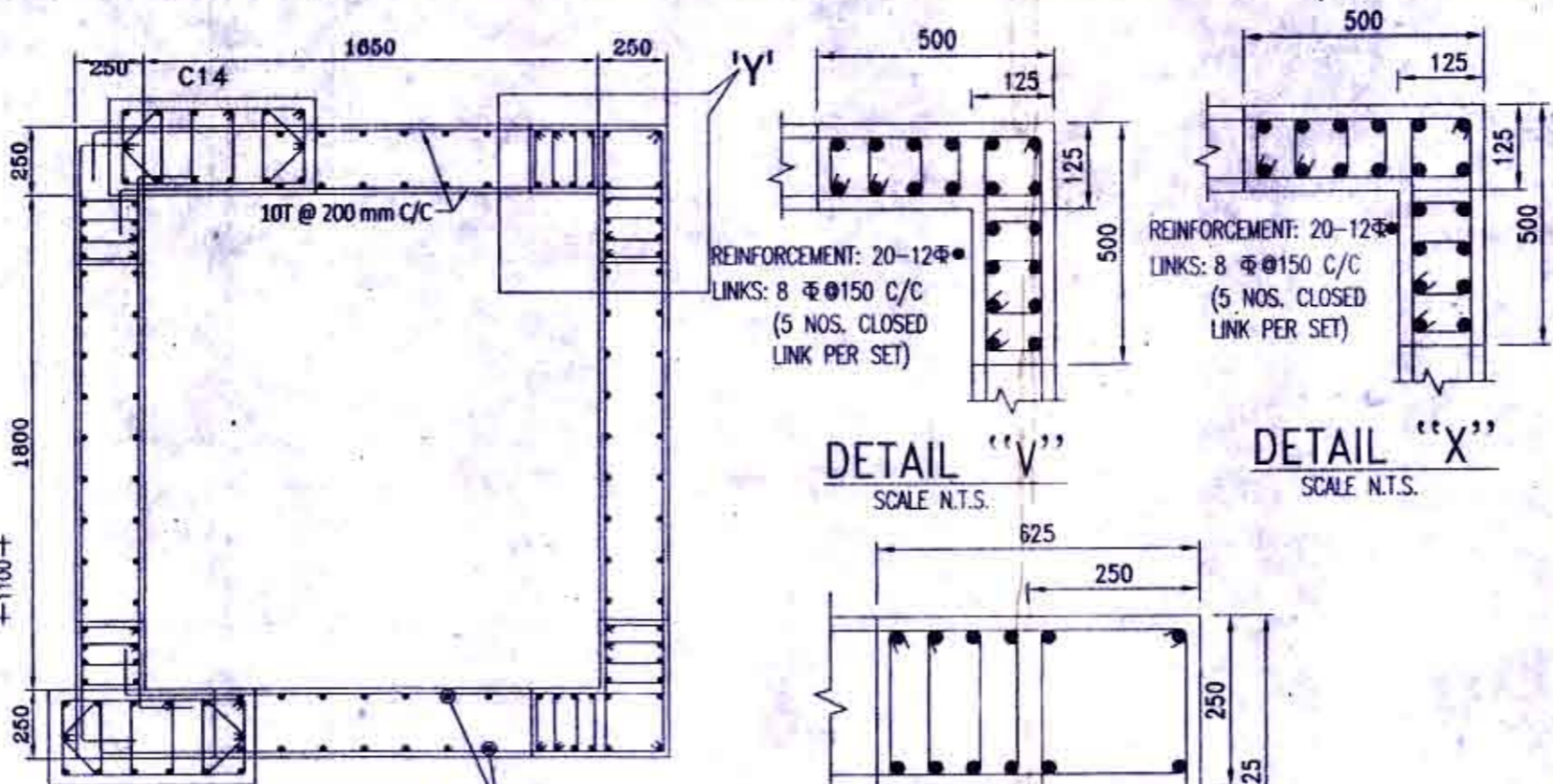
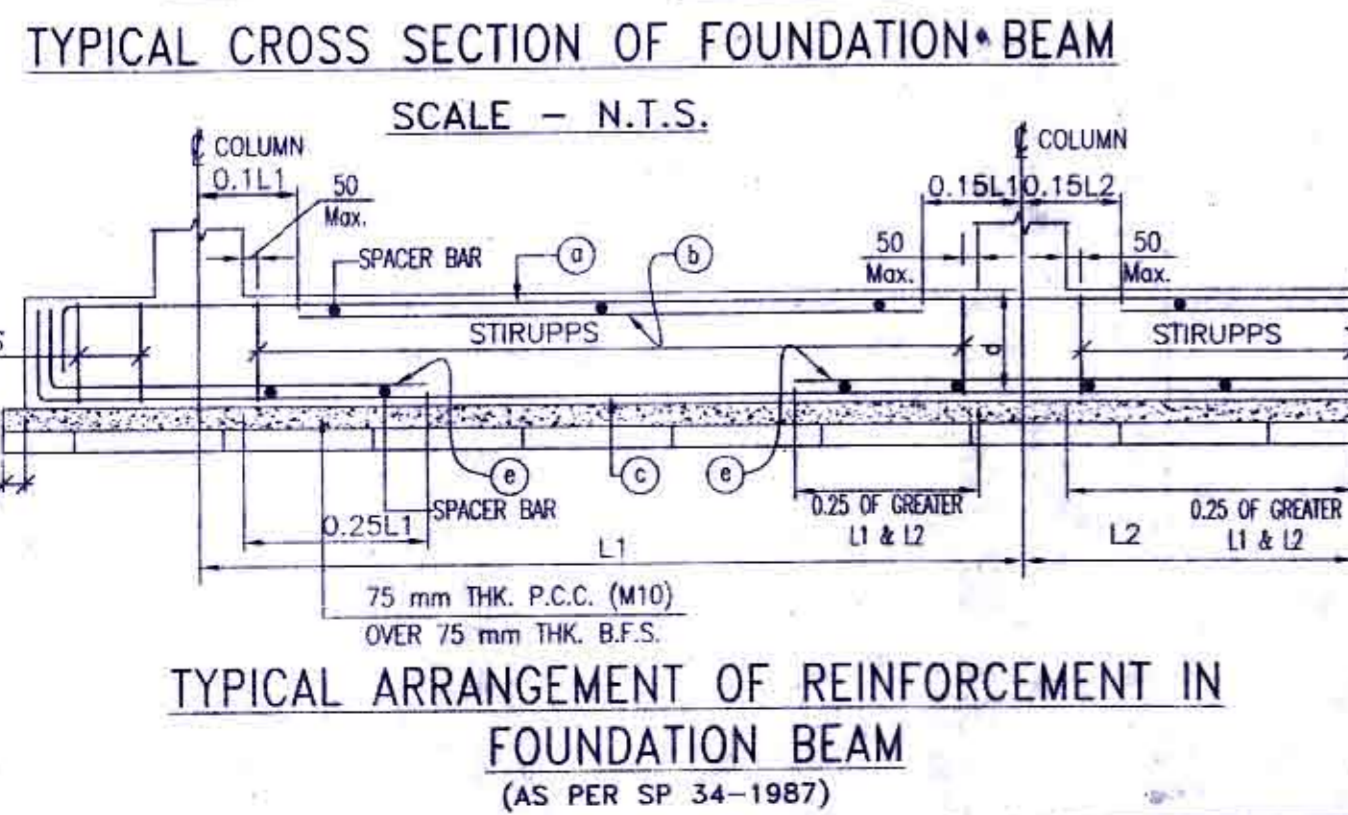
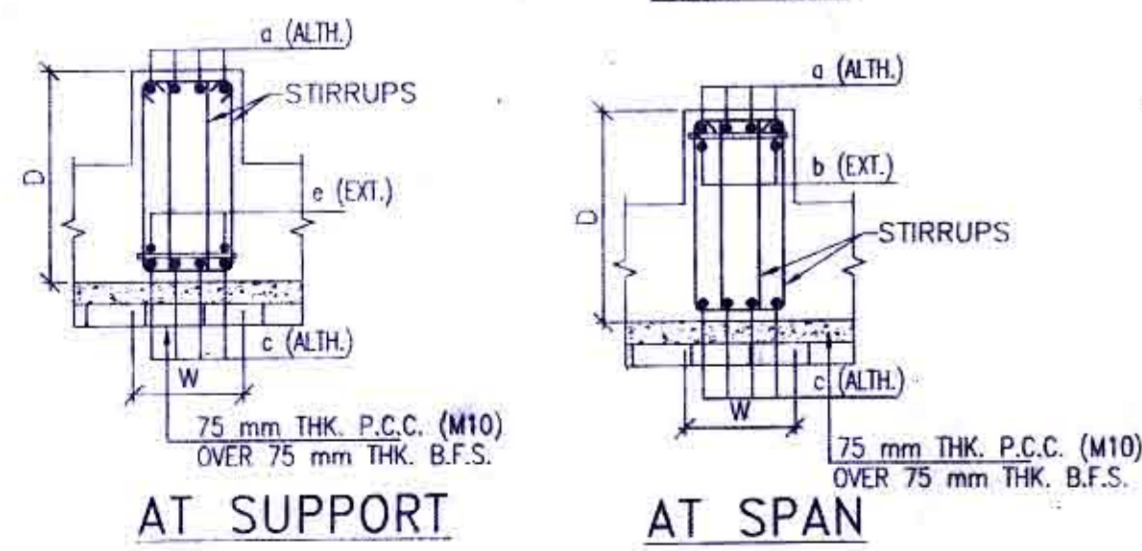
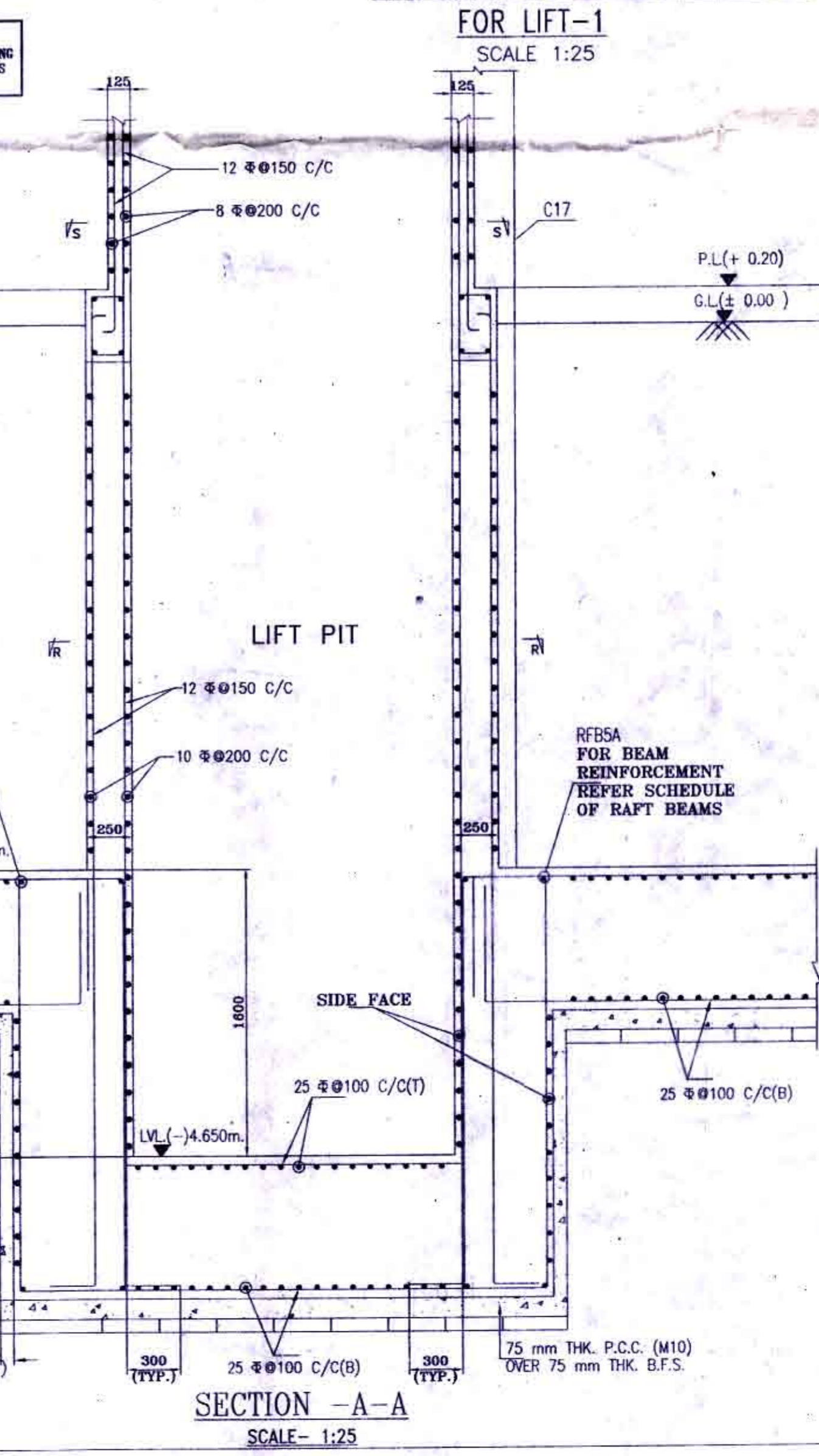
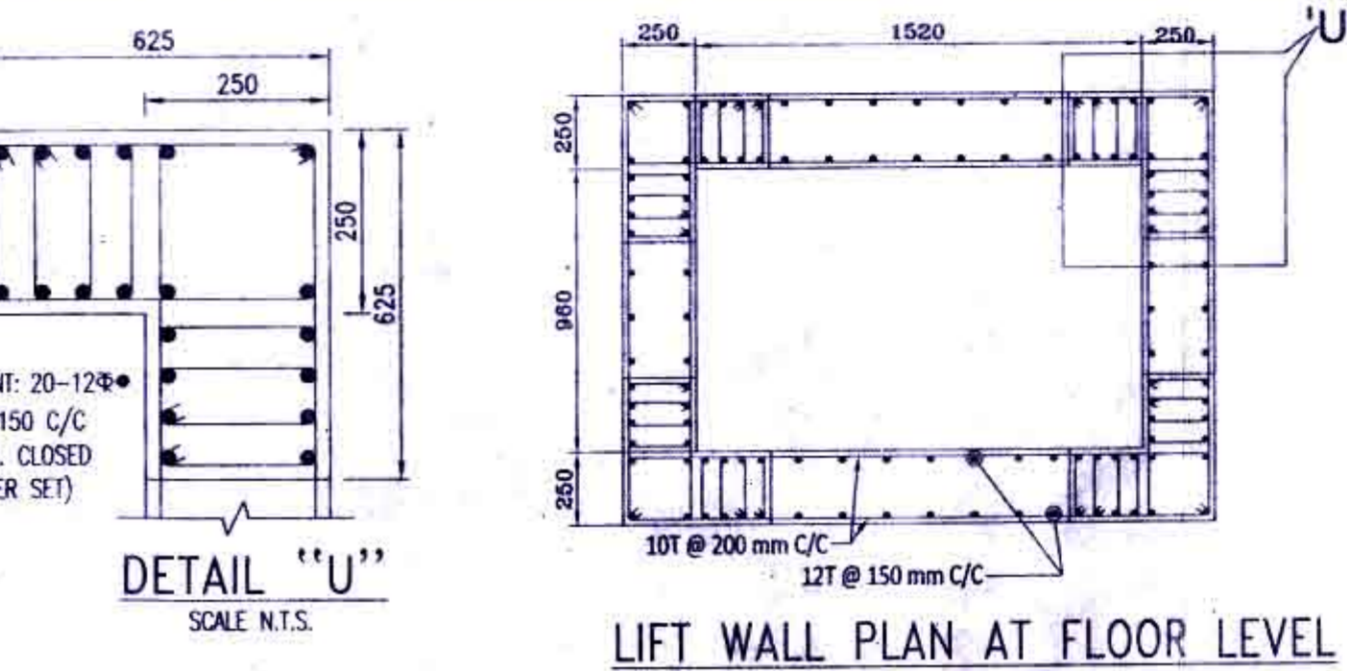


FOUNDATION LAYOUT PLAN  
RAFT SLAB(RS) 800MM THICK  
SCALE- 1:100



SLAB MARKED	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		BOTTOM	TOP	BOTTOM	TOP
RS	800	25 $\phi$ 100 C/C	25 $\phi$ 100 C/C	25 $\phi$ 100 C/C	25 $\phi$ 100 C/C

BEAM MARKED	BEAM SIZE	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS	SIDE FACE
		ALTHROUGH (a)	EXTRA AT SPAN (b)	ALTHROUGH (c)	EXTRA AT SUPPORT (e)		
RFB1	400 2400	4-20 $\phi$ +4-20 $\phi$	4-20 $\phi$	4-20 $\phi$ +4-20 $\phi$	4-20 $\phi$	4L-10 $\phi$ 100 C/C	12 $\phi$ 150 C/C
RFB2	450 800	4-20 $\phi$	2-20 $\phi$	4-20 $\phi$	4-20 $\phi$	4L-10 $\phi$ 150 C/C	-
RFB2A	450 2400	4-20 $\phi$ +4-20 $\phi$	4-20 $\phi$	4-20 $\phi$ +4-20 $\phi$	4-20 $\phi$	4L-10 $\phi$ 100 C/C	12 $\phi$ 150 C/C
RFB3	450 800	4-20 $\phi$	2-20 $\phi$	4-20 $\phi$	4-20 $\phi$	4L-10 $\phi$ 100 C/C	-
RFB4	500 800	5-20 $\phi$	-	5-20 $\phi$	2-20 $\phi$	4L-8 $\phi$ 100 C/C	-
RFB5	550 800	5-20 $\phi$	-	5-20 $\phi$	2-20 $\phi$	4L-10 $\phi$ 100 C/C	-
RFB5A	550 2400	5-20 $\phi$ +5-20 $\phi$	2-20 $\phi$	5-20 $\phi$ +5-20 $\phi$	3-20 $\phi$	4L-10 $\phi$ 100 C/C	12 $\phi$ 150 C/C
RFB6	600 800	5-20 $\phi$	2-20 $\phi$	5-20 $\phi$	3-20 $\phi$	4L-10 $\phi$ 100 C/C	-
RFB7	850 800	8-20 $\phi$	2-20 $\phi$	8-20 $\phi$	4-20 $\phi$	4L-12 $\phi$ 100 C/C	-
RFB8	850 800	8-20 $\phi$	-	8-20 $\phi$	-	4L-12 $\phi$ 100 C/C	-
RFB9	650 800	6-20 $\phi$	2-20 $\phi$	6-20 $\phi$	4-20 $\phi$	4L-12 $\phi$ 100 C/C	-
RFB9A	650 2400	6-20 $\phi$ +6-20 $\phi$	4-20 $\phi$	6-20 $\phi$ +6-20 $\phi$	4-20 $\phi$	4L-12 $\phi$ 100 C/C	12 $\phi$ 150 C/C
RFB10	975 800	8-20 $\phi$	2-20 $\phi$	8-20 $\phi$	4-20 $\phi$	4L-10 $\phi$ 150 C/C	-
RFB11	975 800	8-20 $\phi$	4-20 $\phi$	8-20 $\phi$	6-20 $\phi$	4L-10 $\phi$ 150 C/C	-



- 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) RETAINING WALL : 50 mm  
 (iii) 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 SP34:1987
  - THE NET SAFE BEARING CAPACITY OF THE RAFT FOUNDATION SHOWN IN THE DRAWING AT DEPTH (-)3.85m. FROM G.L. HAS BEEN CONSIDERED 12.8 T/50M AS PER THE SOIL REPORT PREPARED BY MR. SIVANKAR CHAUDHURI (SA CHAUDHURI AND ASSOCIATES) THIS MUST BE ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEOTECHNICAL 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 B+G+9 STORED RESIDENTIAL APARTMENT.  
PLOT DETAILS /ADDRESS : PLOT NO- [72(R.S.) 263,264 & 265 (L.R.); KHATIAN NO- 35,2676, 2675,2674,2673,J.L. NO-95(R.S.) 109 (L.R), MOUZA:- SHANKARPUR P.S.-N.T.P.S, DIST. -PASHCHIM BURDWAN.

SIGNATURE OF ARCHITECT  
ANIRBAN BHATTACHARYA  
B.Arch.  
CA/2014/62790  
ANIRBAN BHATTACHARYA  
( LICENSE NO - CA/2014/62790)  
JUI CHATTERJEE  
Ph. No. -9434845000, 767  
B.Arch.  
Licence No. DMC/BPD/25  
4/13, Subatta Mal, City Centre, Durgapur-10  
JUI CHATTERJEE  
( LICENSE NO - DMC/BPD/25)  
SIG. OF ARCHITECT/ENGINEER

SIGNATURE OF GEOTECHNICAL ENGINEER  
THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT.  
S. Choudhury 6/8/21  
SUSMITA CHOUDHURY  
B.TECH (WBUT), M.E. (U)  
CIVIL ENGINEER, NIKDA  
LICENCE NO. OVER/NDA/10/00175  
M-8697617321, 7003201735

CERTIFICATE OF STRUCTURAL ENGINEER  
THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.  
S. Choudhury 6/8/21  
SUSMITA CHOUDHURY  
B.TECH (WBUT), M.E. (U)  
CIVIL ENGINEER, NIKDA  
LICENCE NO. OVER/NDA/10/00175  
M-8697617321, 7003201735

SIGNATURE OF THE VETTING AUTHORITY  
CHECKED & VETTED  
DR. DIPANKAR CHAKRABARTY  
STRUCTURAL & FOUNDATION ENGINEER  
CIVIL ENGINEER & FOUNDATION ENGINEER  
JADAVPUR UNIVERSITY  
M.E. (U) GOLD MEDALIST  
M.TECH (STRUCTURE) GOLD MEDALIST  
ICETI 023-2472 2599  
M-8697617321 & 9434845000  
EMAIL: Prof@pankard@gmail.com

CERTIFICATE OF LAND OWNER  
मालिका मंडी (बिड़वा)  
Bijoy Choudhury  
Malika Mondy  
Nabanita Karmakar

DRAWING TITLE  
FOUNDATION LAYOUT PLAN & REINFORCEMENT DETAILS.  
SCALE-1:100 OR AS SHOWN  
DATE- 06.08.2021  
SHEET NO. - 1 OF 5