

CONC. GRADE	REINFORCEMENT	DEVELOPMENT LENGTH
C30	2-20 TOP, 2-20 BOT	45d
C35	2-20 TOP, 2-20 BOT	45d
C40	2-20 TOP, 2-20 BOT	45d
C45	2-20 TOP, 2-20 BOT	45d
C50	2-20 TOP, 2-20 BOT	45d

CONC. GRADE	REINFORCEMENT	DEVELOPMENT LENGTH
C25	2-12 TOP, 2-12 BOT	45d
C30	2-12 TOP, 2-12 BOT	45d
C35	2-12 TOP, 2-12 BOT	45d
C40	2-12 TOP, 2-12 BOT	45d
C45	2-12 TOP, 2-12 BOT	45d

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C40	2-12 TOP, 2-12 BOT	45d
C45	2-12 TOP, 2-12 BOT	45d

**DRAWING FOR CONSTRUCTION OF PROPOSED G+4 FLOOR COMMERCIAL BUILDING OF MR. ARUP RATAN HAZRA, S/O - MR. TARUN HAZRA, AT MOUZAZA BRINDABANPUR, J.L. NO - 39, PLOT NO - 22(R/S), 33(L/R), WARD NO - 1, HOLDING NO - 5537(A), TOWN - P.O. + P.S. - ARAMBAGH, DIST. - HOOGHY (W.B.), UNDER ARAMBAGH MUNICIPALITY.**

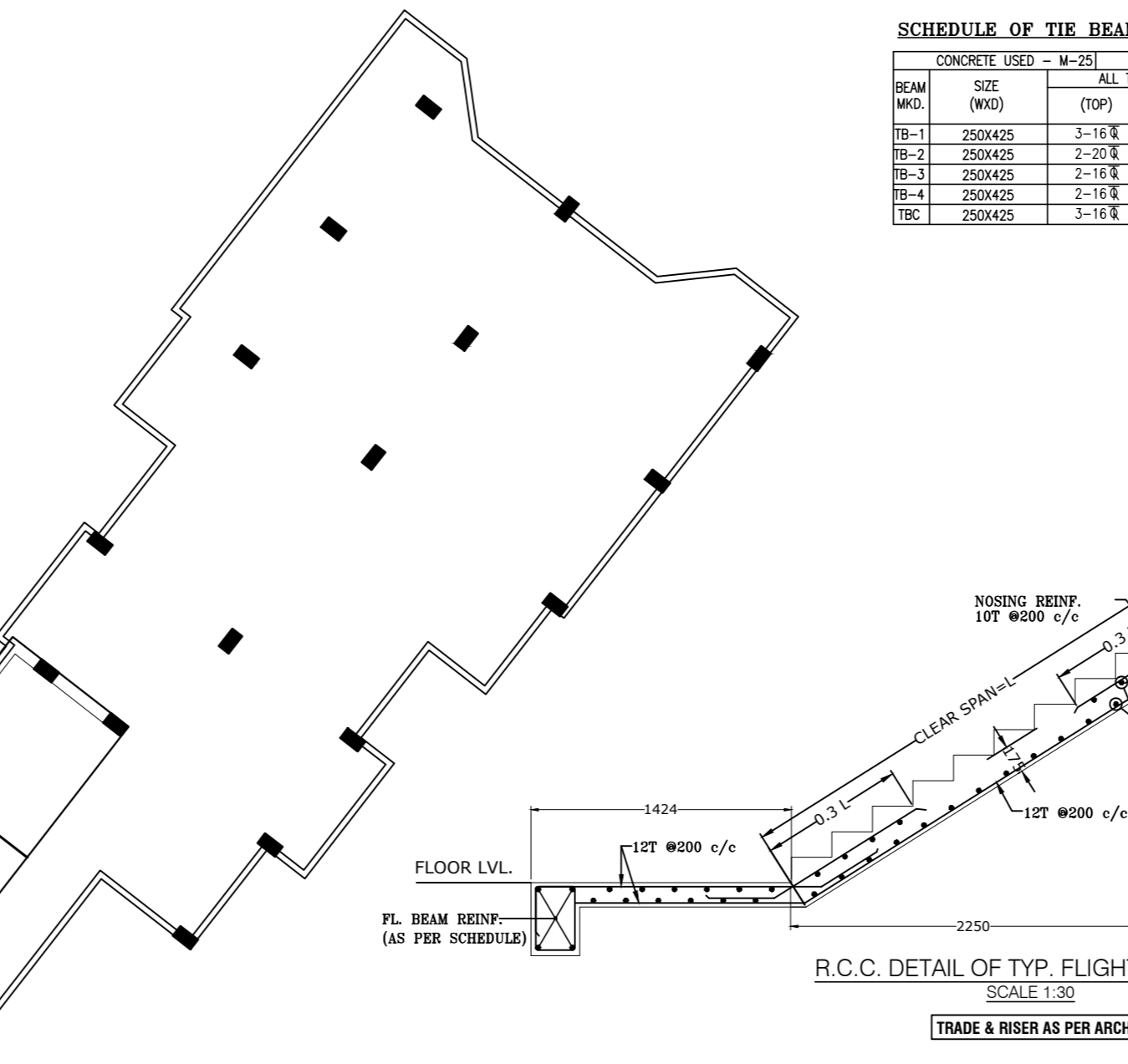
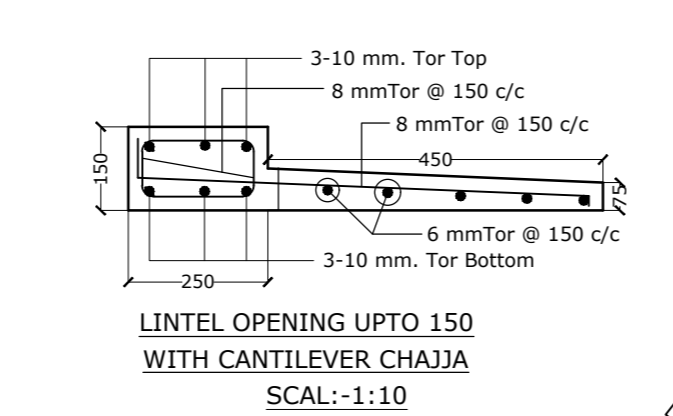
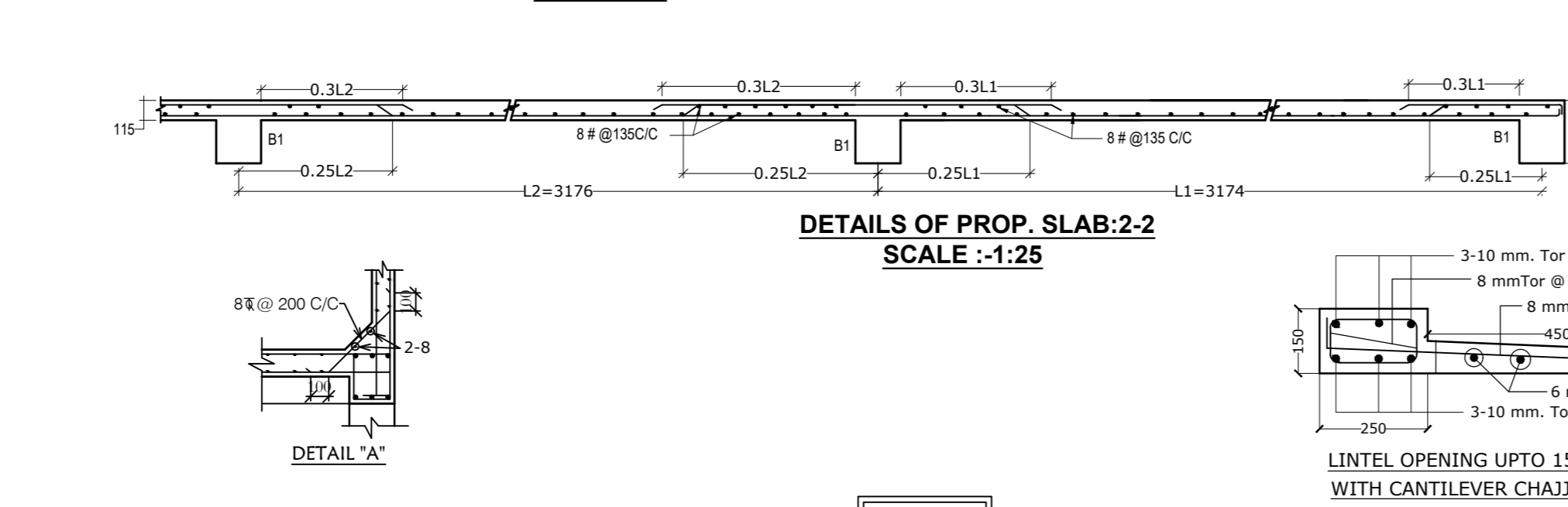
CERTIFICATE OF CIVIL ENGINEER/STRUCTURAL ENGINEER

SIGNATURE OF ENGINEER

SIGNATURE OF STRUCTURAL REVIEWER

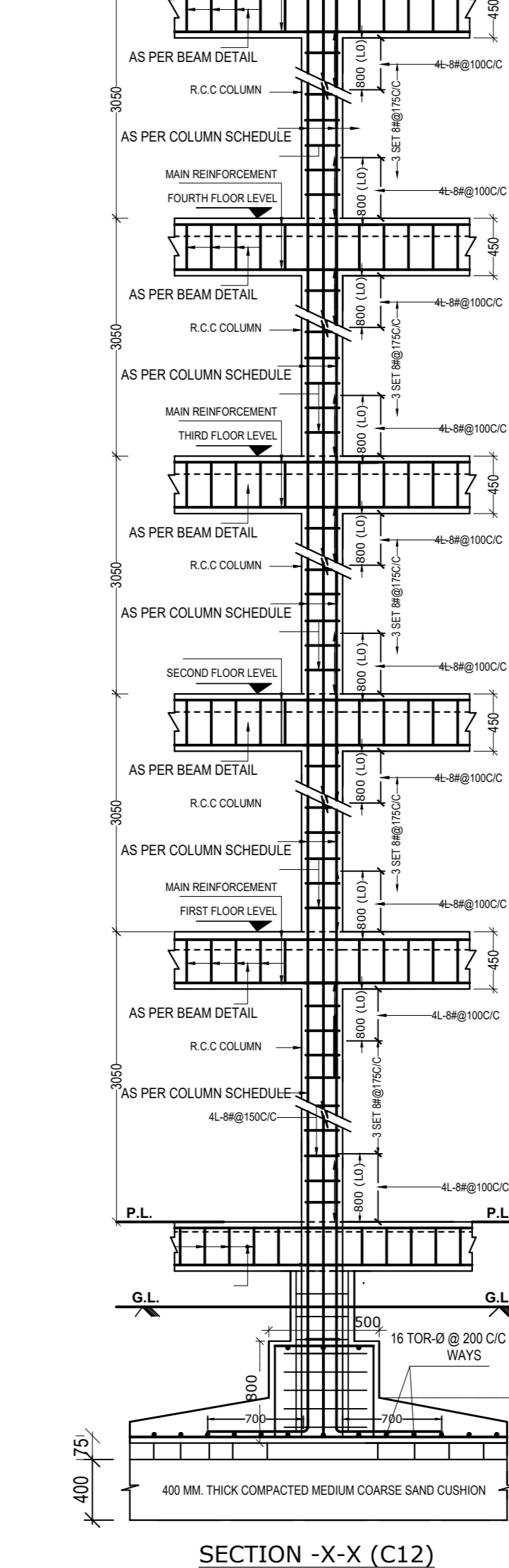
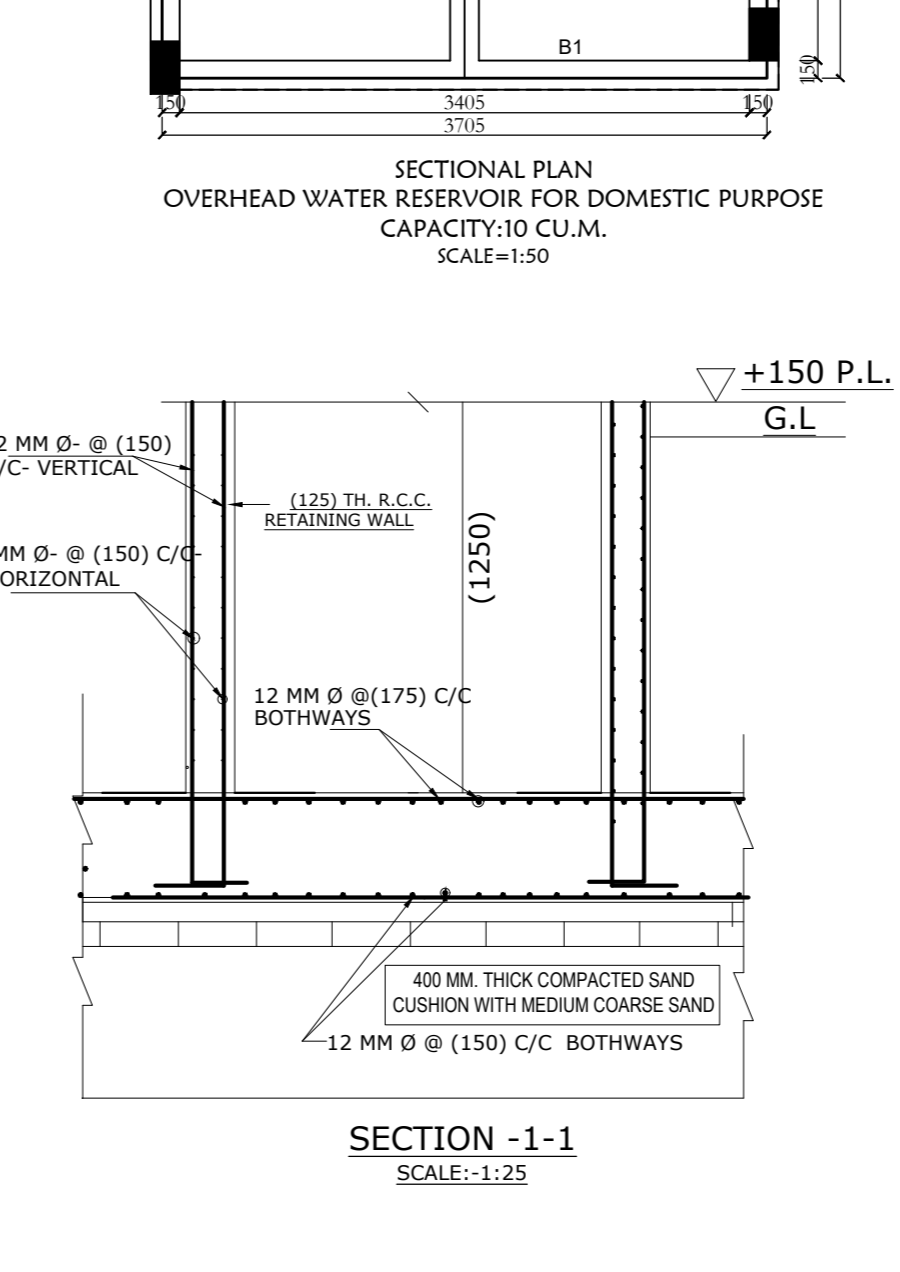
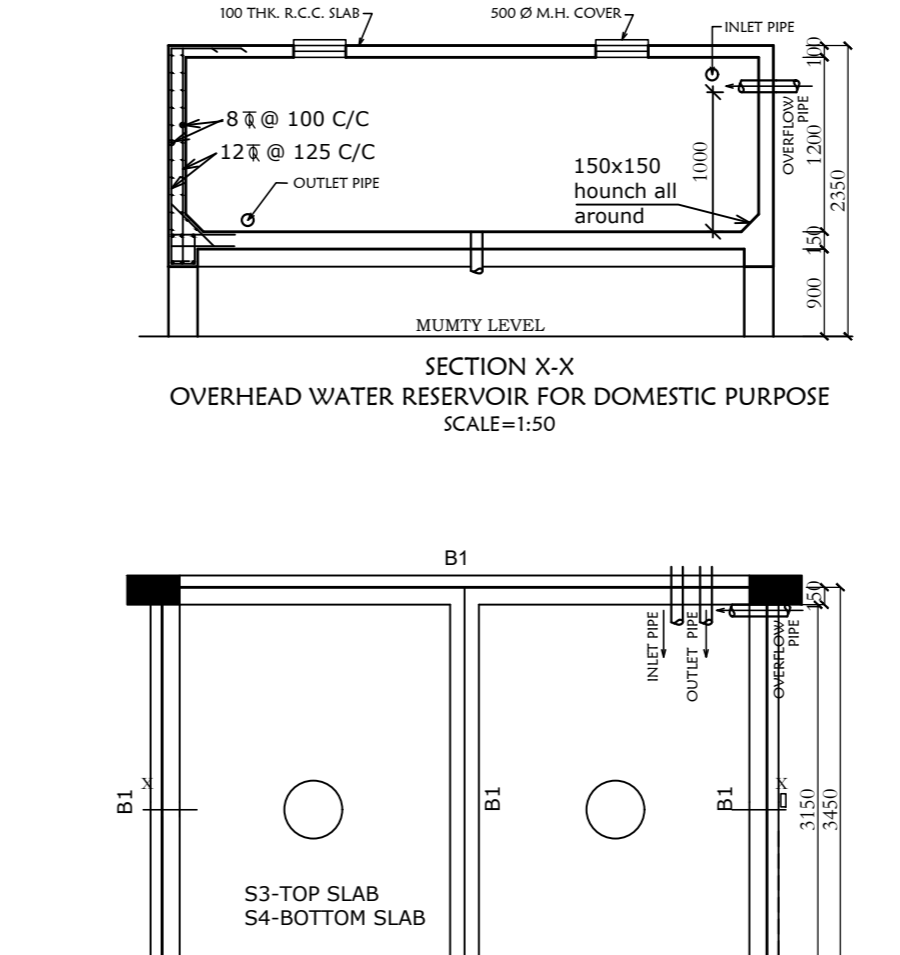
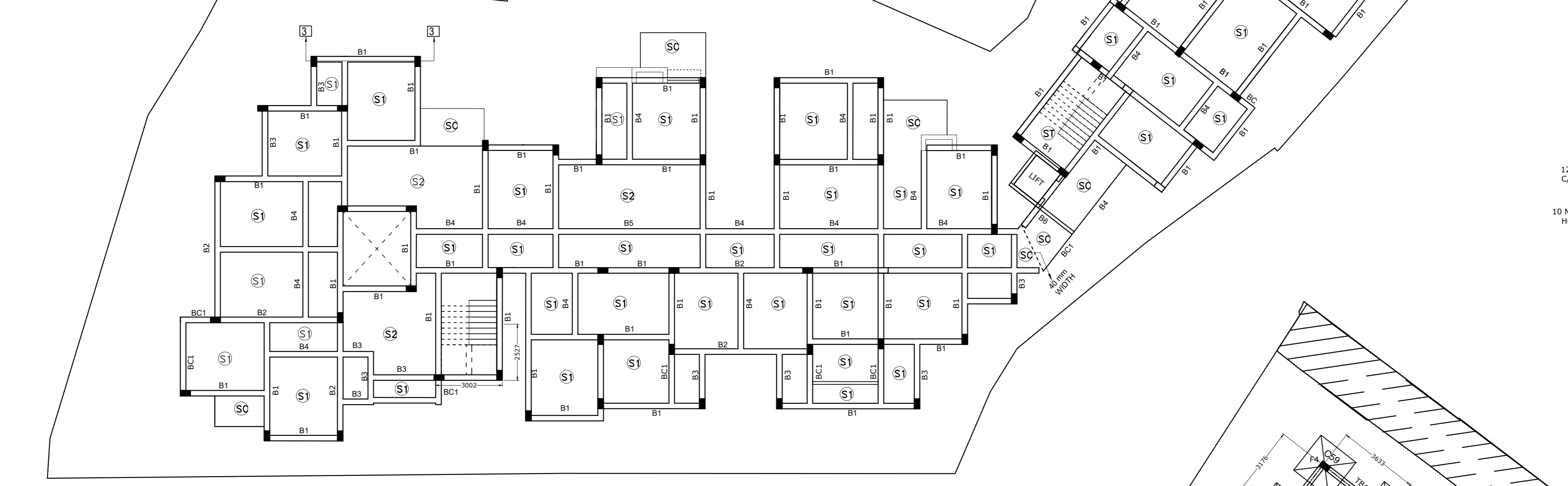
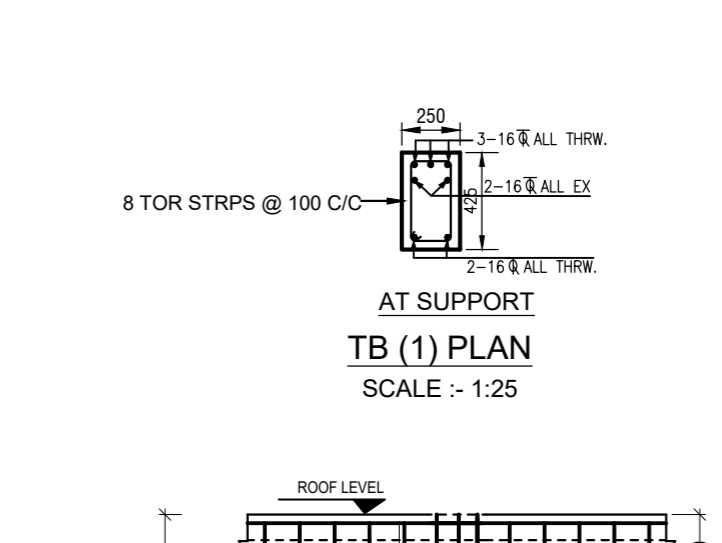
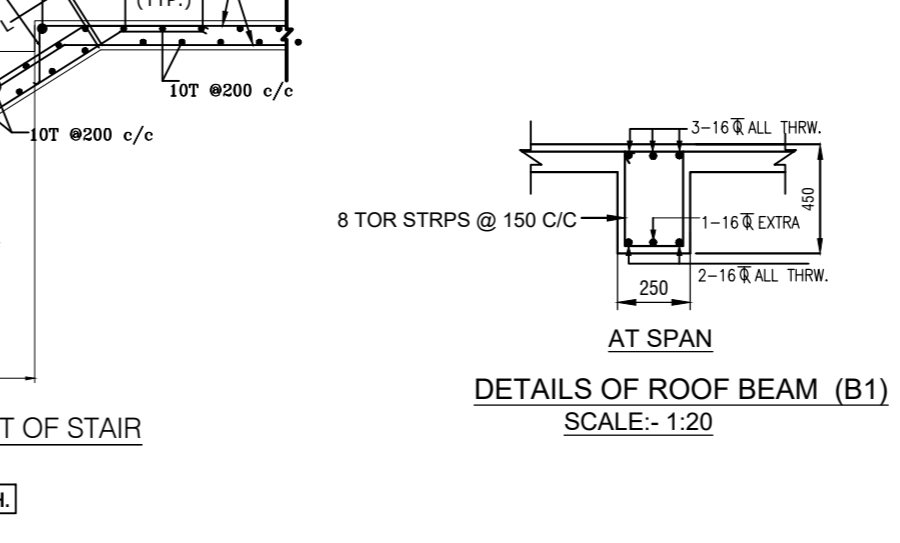
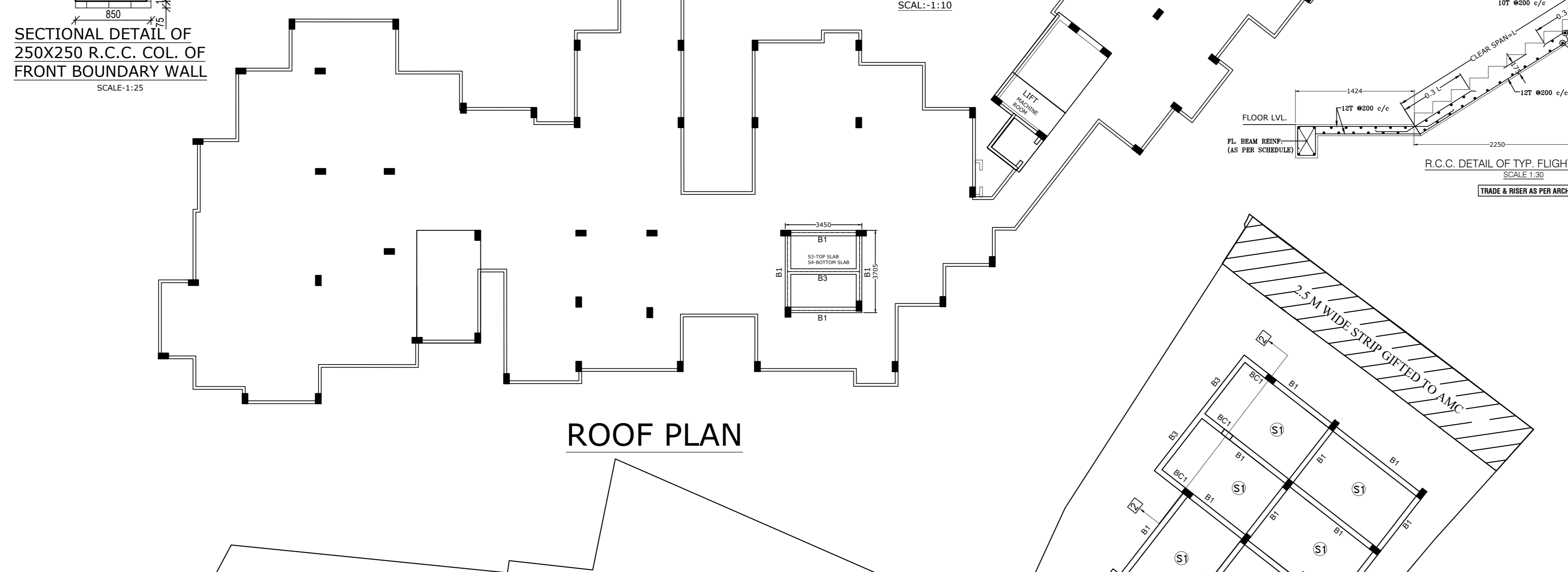
SIGNATURE OF GEO-TECH ENGINEER

SIGNATURE OF OWNER

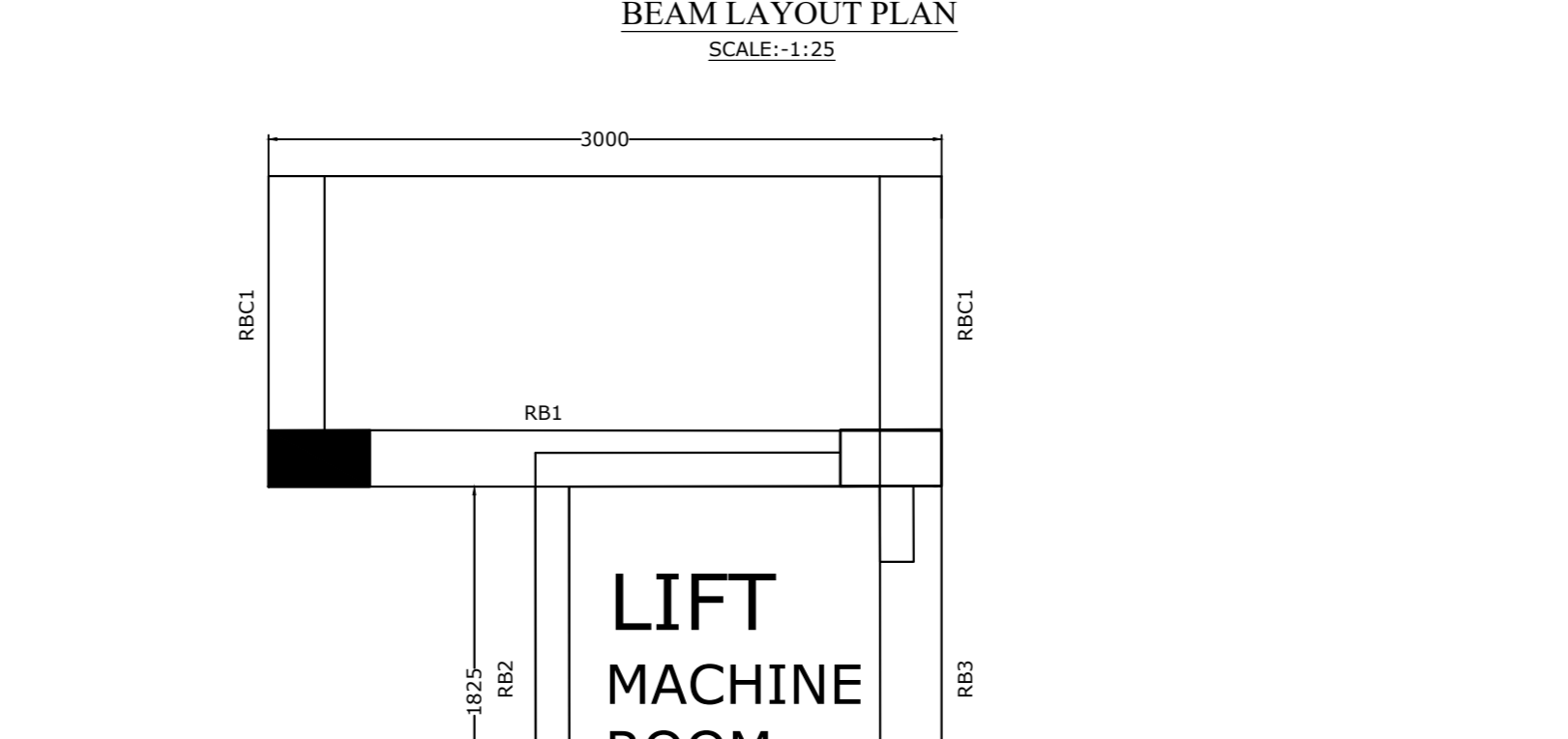
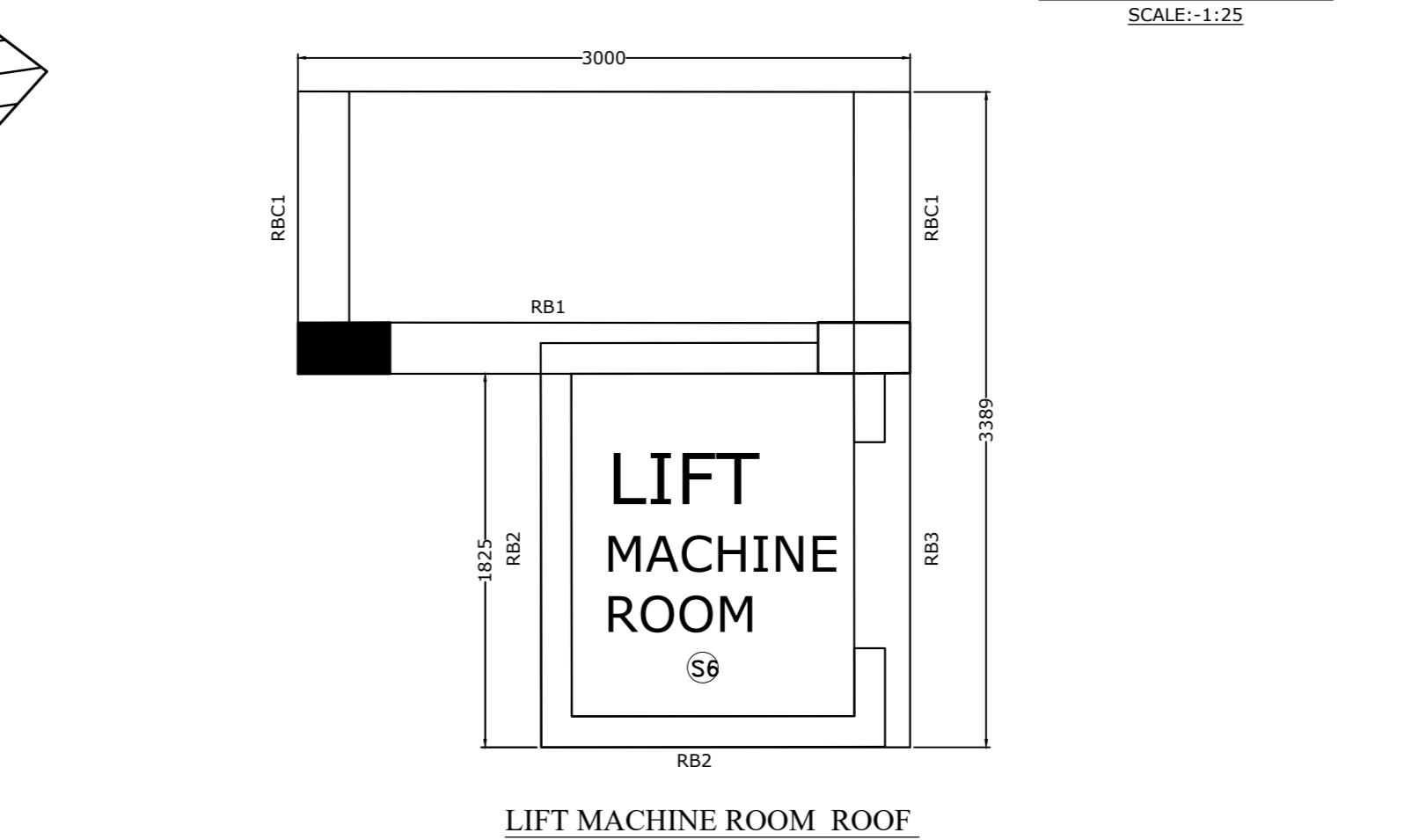
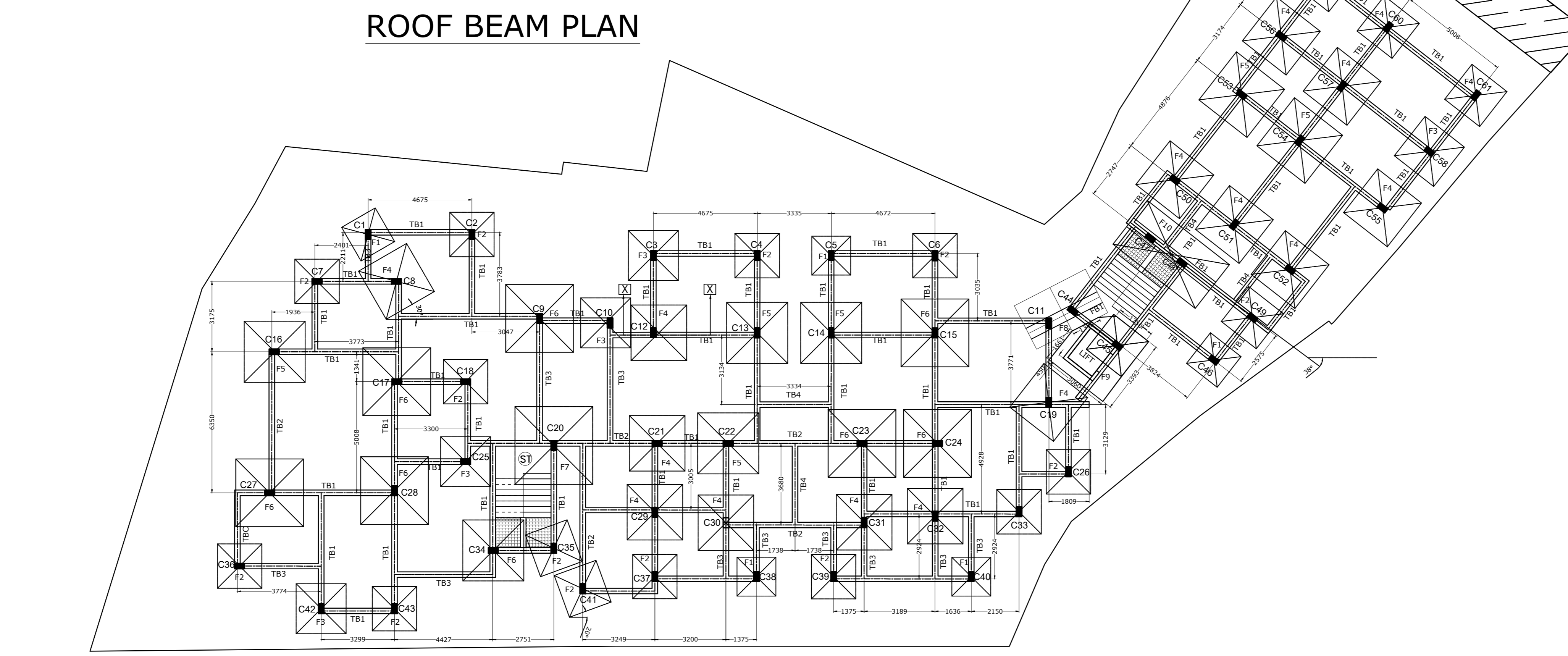


CONC. GRADE	REINFORCEMENT	DEVELOPMENT LENGTH
C25	2-12 TOP, 2-12 BOT	45d
C30	2-12 TOP, 2-12 BOT	45d
C35	2-12 TOP, 2-12 BOT	45d
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- NOTES / SPECIFICATION**
- All dimensions are in mm unless otherwise specified.
  - All R.C.C. should be as per IS: 456.
  - All areas used should be as per IS: 456.
  - Columns should be maintained as below:
    - Foundation & Under G.L. - 75 mm in all faces.
    - Column - 25 mm in all faces.
    - Beam - 25 mm in all faces.
    - Slab - 15 mm in all faces.
  - Lap length & development length should be as per IS: 456.
  - Bar bending & tying should be conforming to IS: 1502.
  - Reinforcing wire must be black annealed wires conforming to IS: 2062.
  - To maintain cover, covers blocks of appropriate dimensions recommended.
  - Column base should be kept in 1/3rd of the clear free height.
  - Potable water should be used.
  - All external and internal infills are in brickwork.
  - Additional red bricks.
  - Concrete hollow blocks.
- The G+4 residential multi-storied building has been analysed and designed considering all possible loads as per IS: 456-2000, IS: 800, IS: 8000, IS: 8001, IS: 8002, IS: 8003 and also considering available soil investigation report.
- PREPARED BY: M/S. SCL - (SA CHAUDHARI & ASSOCIATES)
- DEPTH OF FOUNDATION - 1.50 m
  - S.F. AVAILABLE - 1.50 m
  - PILE FOUNDATION RECOMMENDED - NO
  - LOCATION IN STRUCTURAL PLAN & SECTION SHOULD NOT BE DONE WITHOUT FREE PERMISSION FROM CONCERNED STRUCTURAL ENGINEER.
  - VIBRATION SHALL BE DONE FOR PROPER COMPACTED OF CONCRETE AND CURING SHALL BE DONE PROPERLY CONFORMING TO RESPONSIBILITY WILL BE UPON CONCERNED STRUCTURAL ENGR. / SITE ENGR. & I.S.
  - IN BEAM COLUMN JUNCTION TOP BARS SHOULD BE EMBEDDED IN COLUMN TO LENGTH OF 50d.
  - WHEN TWO BEAMS MEET AT A COLUMN LOCATION ALONG THE SAME LINE THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT BOTH SIDES.
  - ALL REINFORCING BARS SHALL BE BRIDGED BY TRADITIONAL RED BRICK. IN CASE OF THIS KIND OF BRICKS IS CONSIDERED 1.5 TON C.U.M. IN 1 M<sup>3</sup> AREA. IN CASE OF THIS BRICKS SHALL BE BROUGHT TO THE CONCERNED STR. ENGR. IMMEDIATELY.
  - 400 MM THICK COMPACTED SAND CUSHION SHOULD PROVIDE BELOW THE FOUNDATION.



STRUCTURAL DETAILS OF FOUNDATIONS, THE BEAMS, FLOOR BEAMS, FLOOR SLAB, STAIR, RETAINING WALL, LIFT WALL, COLUMNS ETC.

CHECKED BY: S.ROY

APPROVED BY: S.R.C

DRAWING BY: S.R.C

Structural Consultant: SUBHANKAR ROY

SUBHANKAR ROY  
REGISTERED CIVIL ENGINEER / STRUCTURAL CONSULTANT  
REG. NO. 12144, REG. REG. NO. 12144/02, REG. NO. 12144/03, REG. NO. 12144/04, REG. NO. 12144/05, REG. NO. 12144/06, REG. NO. 12144/07, REG. NO. 12144/08, REG. NO. 12144/09, REG. NO. 12144/10, REG. NO. 12144/11, REG. NO. 12144/12, REG. NO. 12144/13, REG. NO. 12144/14, REG. NO. 12144/15, REG. NO. 12144/16, REG. NO. 12144/17, REG. NO. 12144/18, REG. NO. 12144/19, REG. NO. 12144/20, REG. NO. 12144/21, REG. NO. 12144/22, REG. NO. 12144/23, REG. NO. 12144/24, REG. NO. 12144/25, REG. NO. 12144/26, REG. NO. 12144/27, REG. NO. 12144/28, REG. NO. 12144/29, REG. NO. 12144/30, REG. NO. 12144/31, REG. NO. 12144/32, REG. NO. 12144/33, REG. NO. 12144/34, REG. NO. 12144/35, REG. NO. 12144/36, REG. NO. 12144/37, REG. NO. 12144/38, REG. NO. 12144/39, REG. NO. 12144/40, REG. NO. 12144/41, REG. NO. 12144/42, REG. NO. 12144/43, REG. NO. 12144/44, REG. NO. 12144/45, REG. NO. 12144/46, REG. NO. 12144/47, REG. NO. 12144/48, REG. NO. 12144/49, REG. NO. 12144/50, REG. NO. 12144/51, REG. NO. 12144/52, REG. NO. 12144/53, REG. NO. 12144/54, REG. NO. 12144/55, REG. NO. 12144/56, REG. NO. 12144/57, REG. NO. 12144/58, REG. NO. 12144/59, REG. NO. 12144/60, REG. NO. 12144/61, REG. NO. 12144/62, REG. NO. 12144/63, REG. NO. 12144/64, REG. NO. 12144/65, REG. NO. 12144/66, REG. NO. 12144/67, REG. NO. 12144/68, REG. NO. 12144/69, REG. NO. 12144/70, REG. NO. 12144/71, REG. NO. 12144/72, REG. NO. 12144/73, REG. NO. 12144/74, REG. NO. 12144/75, REG. NO. 12144/76, REG. NO. 12144/77, REG. NO. 12144/78, REG. NO. 12144/79, REG. NO. 12144/80, REG. NO. 12144/81, REG. NO. 12144/82, REG. NO. 12144/83, REG. NO. 12144/84, REG. NO. 12144/85, REG. NO. 12144/86, REG. NO. 12144/87, REG. NO. 12144/88, REG. NO. 12144/89, REG. NO. 12144/90, REG. NO. 12144/91, REG. NO. 12144/92, REG. NO. 12144/93, REG. NO. 12144/94, REG. NO. 12144/95, REG. NO. 12144/96, REG. NO. 12144/97, REG. NO. 12144/98, REG. NO. 12144/99, REG. NO. 12144/100.

