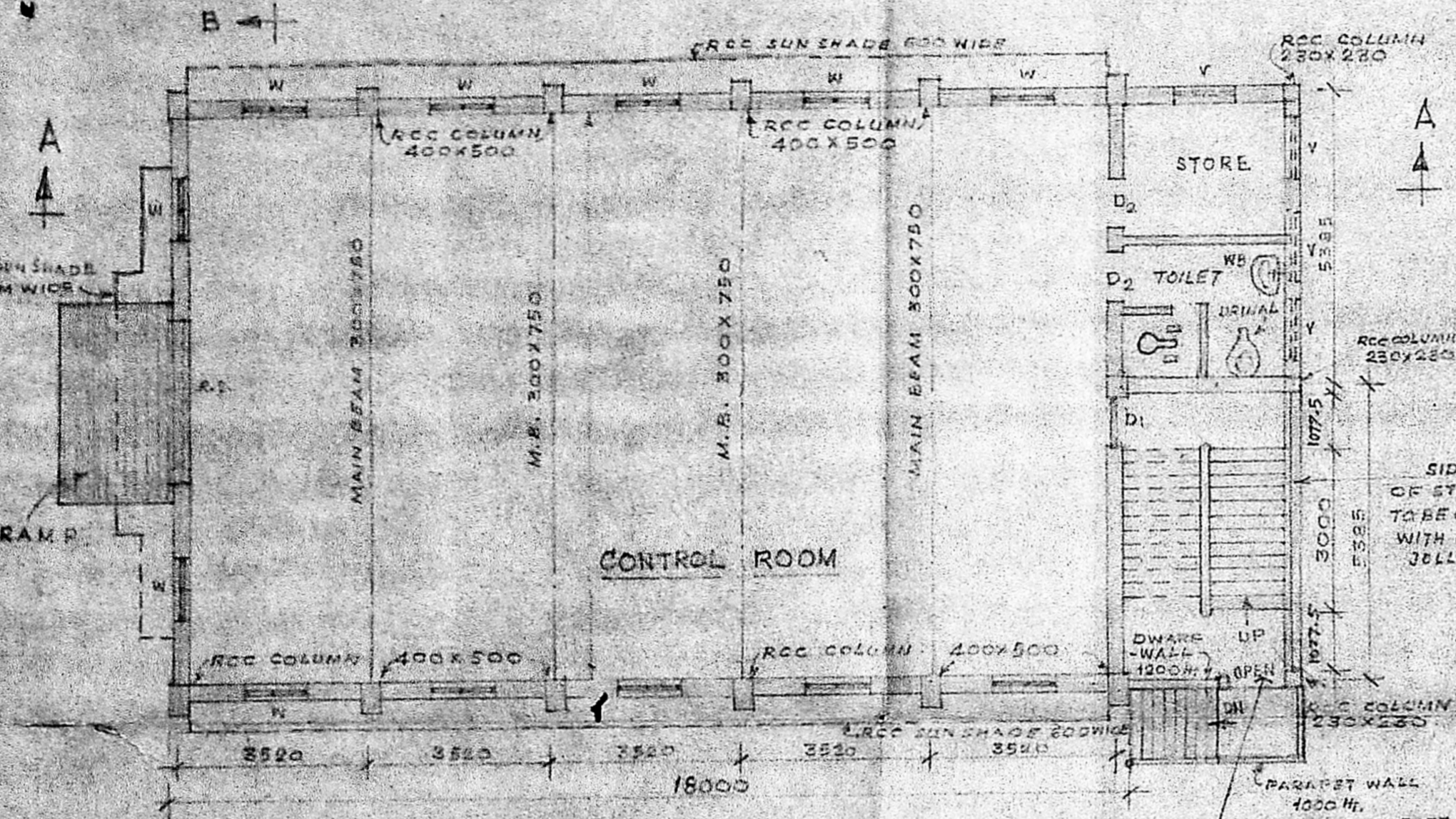
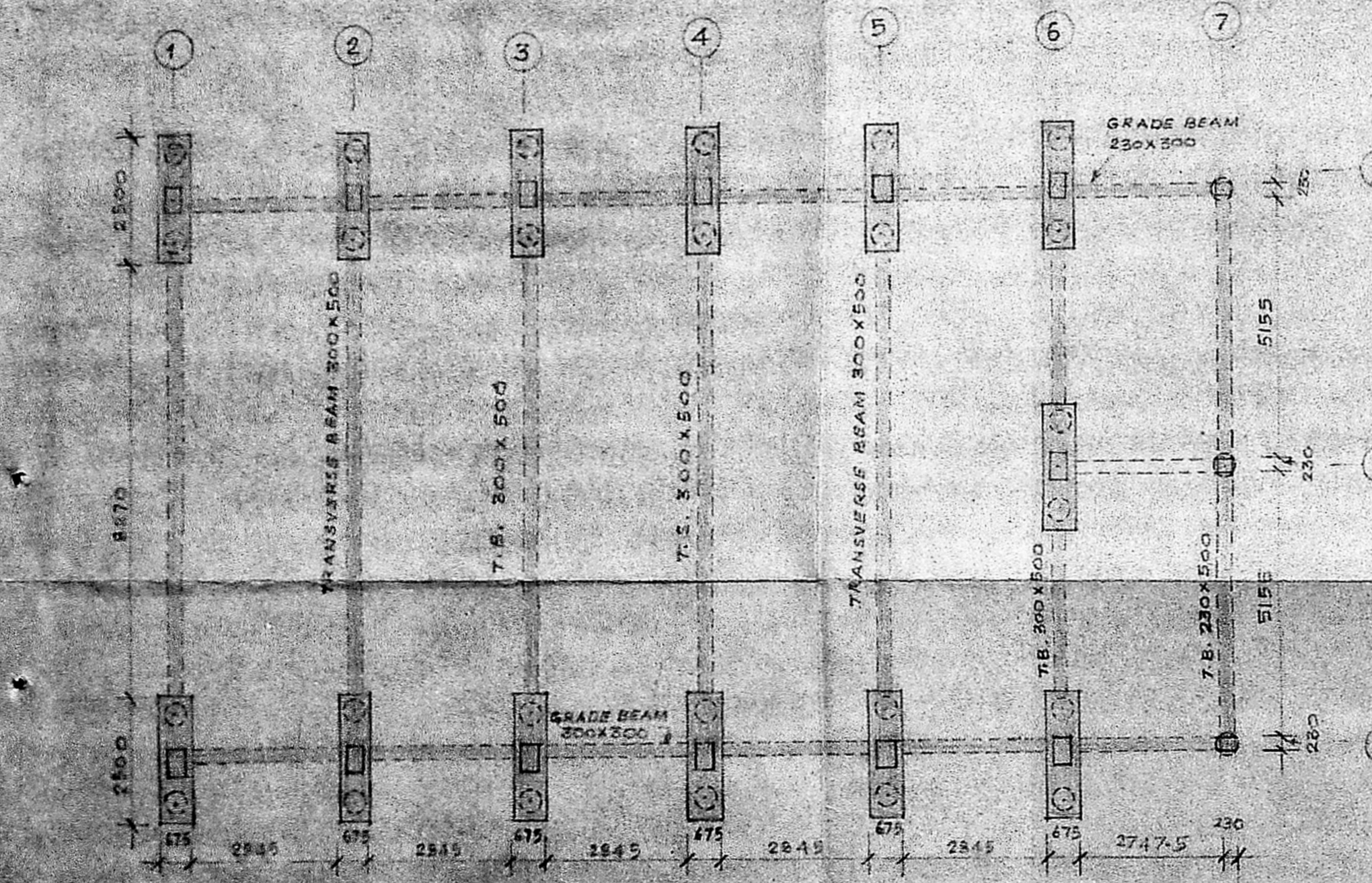


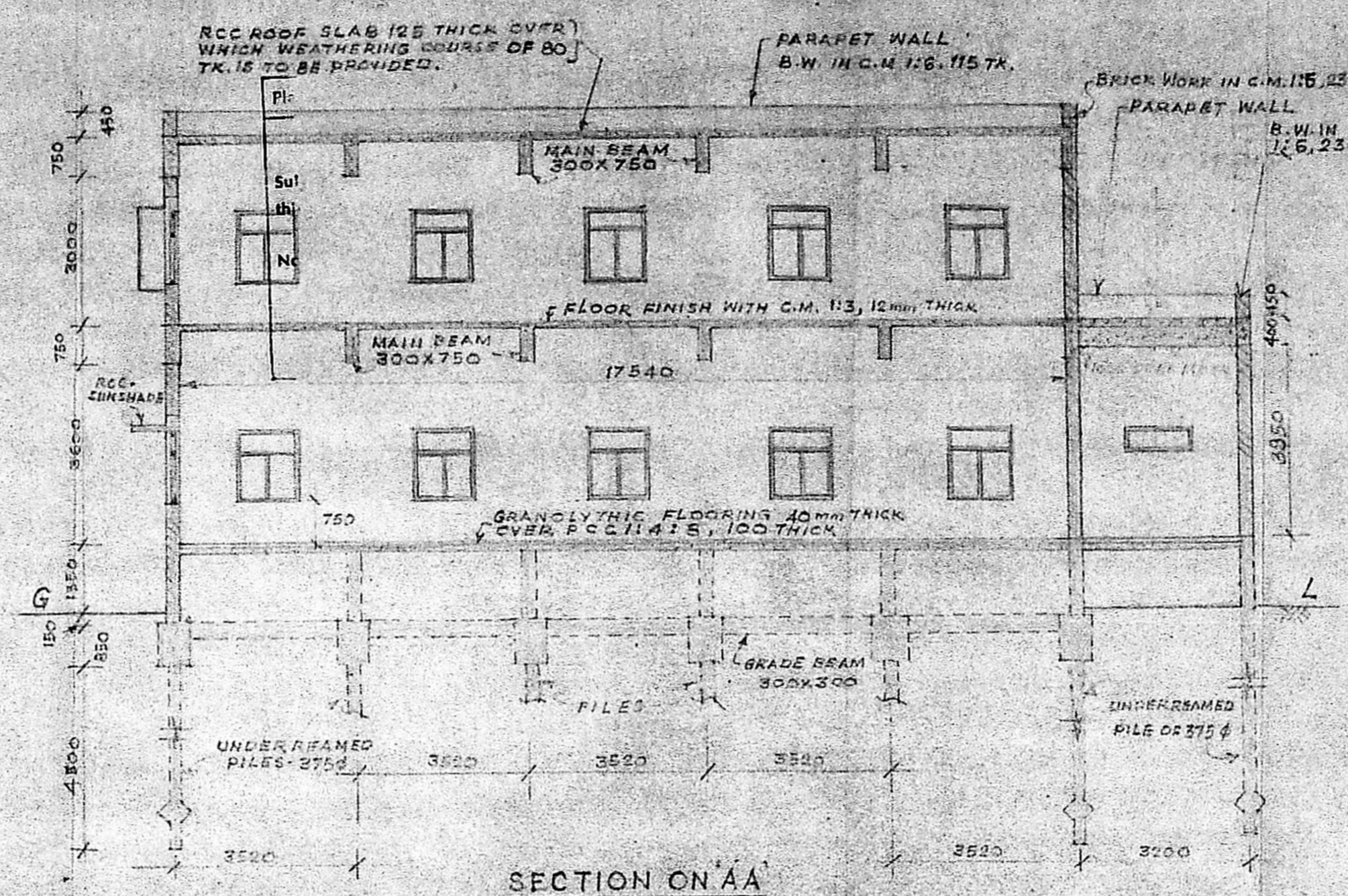
ELEVATION



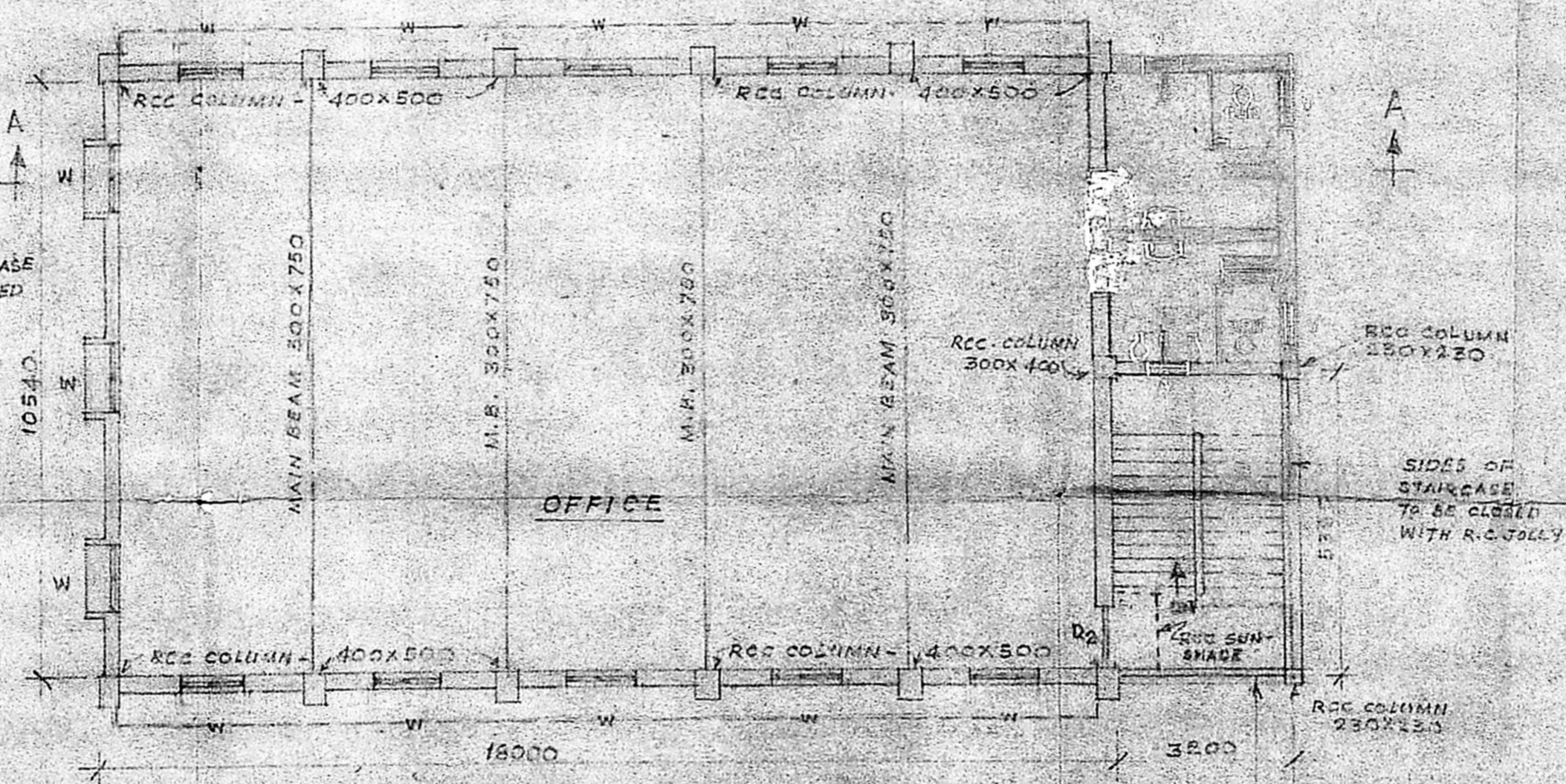
PLAN OF GROUND FLOOR



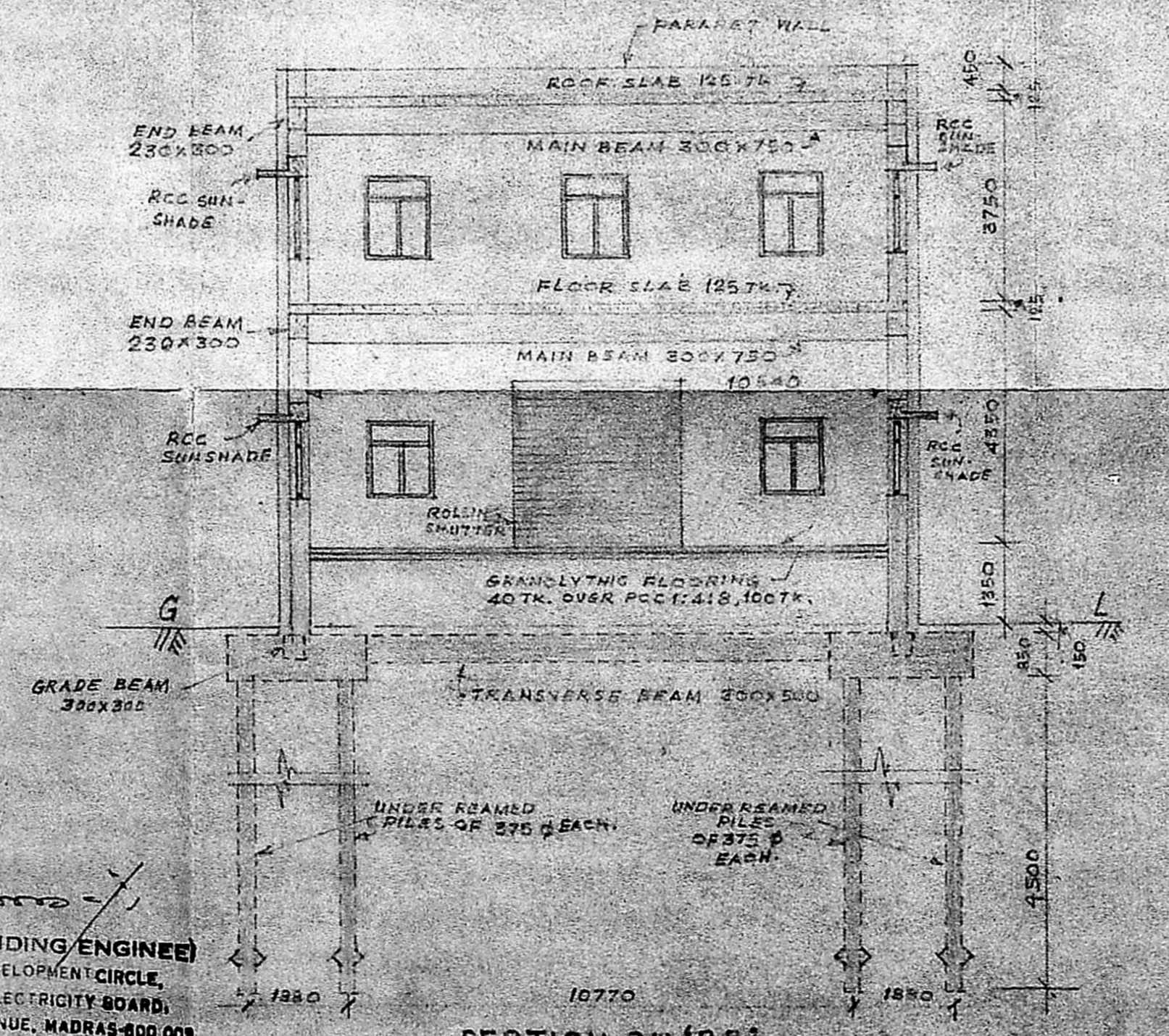
PLAN OF FILE GROUPS & BEAMS



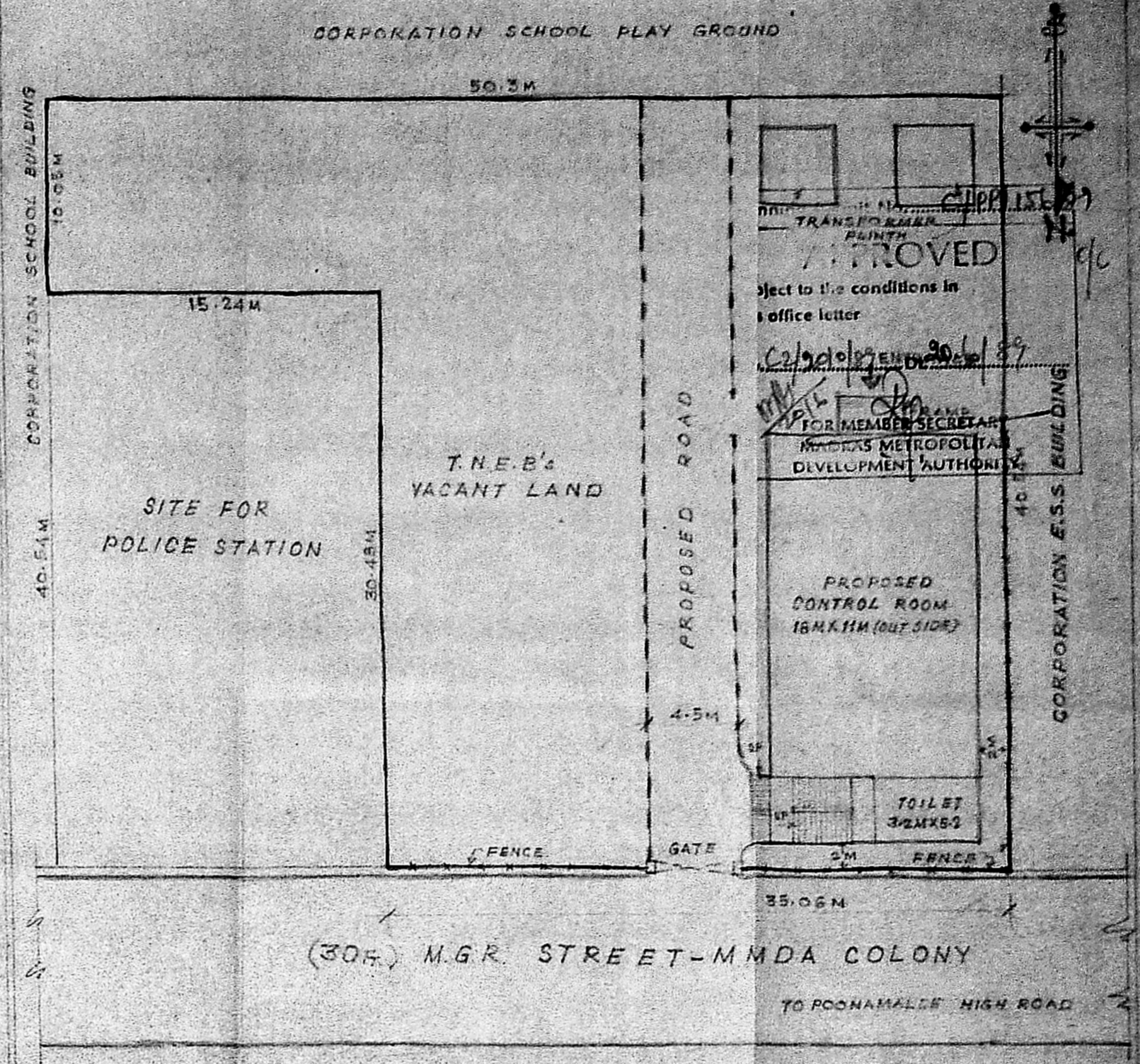
SECTION ON AA



PLAN OF FIRST FLOOR



SECTION ON BB



KEY PLAN (NOT TO SCALE)

NOTES:-

1. ALL DIMENSIONS GIVEN ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. SAFE BEARING PRESSURE OF SOIL IS ASSUMED AS 72/M<sup>2</sup> AS PER C.S. ENGINEER'S REPORT.
3. S.N.S. OR A.C. DOWN FALL PIPES OF 100 & FOR RAIN WATER SHALL BE FIXED AS DECIDED BY ENGINEER AT SITE (ATLEAST 40MM ON EACH SIDE OF BUILDING TO BE PROVIDED).
4. PLINTH PROTECTION ARRANGEMENT OF 1M WIDTH MAY BE PROVIDED AROUND THE BUILDING FOR EFFECTIVE REDUCTION & CONTROL OF MOISTURE IN THE FOUNDATION.
5. a) BEAM & SLABS - R.C.C. 1:2:4, USING B.S. METAL 12020MM. COLUMN R.C.C. 1:1.5:3.  
b) SUPERSTRUCTURE WILL BE OF BRICKWORK IN C.M. 1:5, 230MM THICK.
6. FIRST FLOOR HAS BEEN DESIGNED FOR A LIVE LOAD OF 400KG/M<sup>2</sup> AND A PARTITION LOAD OF 100KG/M<sup>2</sup>.
7. PARTITION WALLS IN THE FIRST FLOOR SHALL BE OF 115MM THICK AND SHALL NOT BE RAISED ABOVE 1000MM. IF NECESSARY THE GAP BETWEEN THE WALL AND ROOF SHALL BE COVERED WITH ONLY LIGHT PARTITIONS AS DECIDED BY FIELD.
8. ACID PROOF PAINT SHALL BE USED FOR WALLS & FLOORING IN BATTERY ROOM.
9. THIS DRAWING SUPERSEDES THE DRAWING NO. CD 22, SHEET 4/2.
10. FLOORINGS:-  
CONTROL ROOM: GRANOLYTHIC FLOORING 40MM THICK.  
BATTERY ROOM: ACID PROOF FLOORING.  
TOILET: MOSAIC WITH DADOING.
11. THIS DRAWING IS PREPARED BASED ON THE CONCURRENCE OF C.E. (TRANSMISSION AND GRID OPERATIONS) IN HIS I.R. NO. 126 DT. 12-10-87.
12. FOR FOUNDATION & STAIRCASE DETAILS REFER DRG. NO. CD 22/R, SHEET 2/2.
13. THE FOUNDATION IS DESIGNED FOR GROUND AND FIRST FLOOR ONLY, AND STAIRCASE PORTION FOR GROUND FLOOR ONLY.
14. THE SALIENT FEATURES OF THE BUILDING LIKE YEAR OF CONSTRUCTION, THE NUMBER OF FLOORS FOR WHICH DESIGNED, THE LOAD ASSUMED AT FOUNDATION ETC. TO BE PAINTED IN A PROMINENT PLACE INSIDE THE BUILDING FOR FUTURE REFERENCE.

SIZE OF COLUMNS, BEAMS & SLABS.

1. R.C.C. COLUMN (MAIN) ---- 400 x 500.
2. MAIN BEAM (M.B.) ---- 300 x 750.
3. END BEAM (E.E.) ---- 230 x 300.
4. ROOF SLAB (CONTROL ROOM) 125mm THICK.
5. FLOOR SLAB ( -DO- ) 125mm THICK.
6. ROOF SLAB ( TOILET ) ---- 125mm THICK.
7. FLOOR SLAB ( -DO- ) ---- 125mm THICK.
8. GRADE BEAM. ---- 300 x 300.
9. TRANSVERSE BEAM (T.B.) ---- 300 x 500.

SCHEDULE OF DOORS, WINDOWS & VENTILATORS.

1. ROLLING SHUTTER --- R.S. - 3000 x 3000.
2. T.W. DOOR FRAME WITH FLUSH TYPE SHUTTERS ( SINGLE LEAF ) D1 - 1100 x 2000.
3. T.W. DOOR FRAME WITH FLUSH TYPE SHUTTERS ( DOUBLE LEAF ) D2 - 900 x 2000.
4. STEEL WINDOW WITH VENTILATOR GLAZED ( R.S. 1038/1975 ) W - 1180 x 1450.
5. STEEL VENTILATOR V - 1180 x 580.

E. S. SELVARAJAN, B.E., M.T.E. (Engg), M.T.E.  
 Executive Engineer / Civil  
 M.D.C. - T. I. B.  
 LICENSED SUPERVISOR  
 ELECTRICITY AVENUE, ANNA SALAI,  
 MADRAS-600 002.

SUPERINTENDING ENGINEER  
 MADRAS DEVELOPMENT CIRCLE,  
 TAMIL NADU ELECTRICITY BOARD,  
 ELECTRICITY AVENUE, MADRAS-600 008.

DRAWN M.R.D./H.D. CHECKED REVISION - 2 NOTE: IS 814 ADDED. RCC SUN SHADE OVER DOOR D2 IN FIRST FLOOR PROVIDED.	TAMIL NADU ELECTRICITY BOARD ARUMBAKKAM 33/11K.V.S.S. GENERAL ARRANGEMENTS OF CONTROL ROOM.	DRG. NO. CD 22/R sheet 4/2 DATE: - 09-87 SCALE: 1:100
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