Planning Permit No. C/PP/58/92

APPROVED

SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.

No. C/12146/91 Date 6.92

FOR MEMBER SECRETARY
MADRAS METROPOLITAN
DEVELOPMENT AUTHORITY
MADRAS - 600 008.

ELEVATION

R.C.C. ROOF SLAB 120 MM THICK SLOPED 1 IN 20, OVER WHICH 80 MM THICK WEATHERING COURSE AND ONE LAYER OF PRESSED TILES EMBEDDED IN CM.

WATER TANK

FLOOR SLAB 120 TK

MAIN BEAM 300 X 750

GRADE BEAM 300X300

TRANSVERSE BEAM 300X750

NATURAL GROUND LEVEL

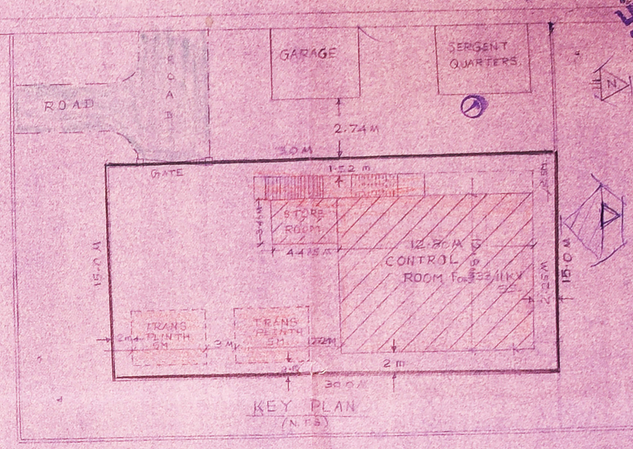
SECTION ON AA
(SCALE 1:100)

SCHEDULE OF DOORS WINDOWS & VENTILATORS

1) ROLLING SHUTTER	- - - -	F.S.	3000 X 3000
2) C.W. DOOR FRAME WITH C.W. PANELLED DOORS (DOUBLE LEAVES)	- - -	D	1180 X 2100
3) C.W. DOOR FRAMES WITH FLUSH TYPE SHUTTERS (SINGLE LEAF)	- - -	D1	900 X 2100
4) C.W. DOOR FRAME WITH PANELLED WITH A.C. SHEET	- - -	D2	750 X 2100
5) STEEL WINDOW COMPRISING VENTILATORS FITTED WITH WIRED GLASS	- - -	W	1180 X 1490
6) STEEL VENTILATOR (GLAZED)	- - -	V	1180 X 580
7) R.C.C. JOLLY WORK	- - -	J	1180 X 900

SIZE OF R.C. MEMBERS

1) MAIN COLUMN 400 X 500
2) ANNEXURE COLUMN 230 X 230
3) MAIN BEAMS :-
   ROOF = 300 X 700 AT SUPPORT & 300 X 150 AT MID SPAN
   FLOOR = 300 X 750
4) END BEAM = 230 X 300
5) LONG. BEAM = 230 X 400
6) CANTILEVER BEAM a) ROOF (230 X 400) AT SUPPORT. (230 X 300) AT FREE END
   b) FLOOR 300 X 300
7) SLAB : a) MAIN FLOOR = 120 THICK
   b) OTHER PORTION = 100 THICK
8) STAIR CASE : WAIST SLAB = 140 THICK
9) LANDING BEAM (CANTILEVER) 300 X 500 AT SUPPORT
   300 X 300 AT FREE END



KEY PLAN
(N.T.S.)

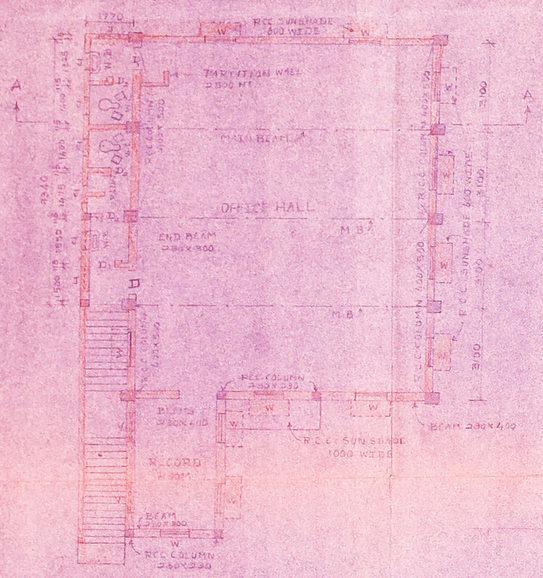
NOTES :-

1) ALL DIMENSIONS ARE IN MILLIMETERS OTHER THAN THOSE SPECIFIED.
2) SAFE BEARING CAPACITY OF SOIL IS TAKEN AS 14 t/m² AS PER FE ENGINEER'S REPORT
3) THE BUILDING IS DESIGNED FOR GROUND AND FIRST FLOOR ONLY BASED ON SE/MDC/S LR NO SE/MDC/T3/F208/87-88, Dt 14.7.88
4) R.C.C. MIX FOR FOOTINGS, COLUMNS, BEAMS AND SLABS 1:2:4 WITH 16 TO 20 MM HYD. METAL
5) FLOORING : CONTROL ROOM : GRANOLYTHIC FLOORING.
   BATTERY ROOM : ACID PROOF
   TOILET : MOSAIC WITH DADOING
6) SUPERSTRUCTURE :- WILL BE OF BRICK WORK IN C.M. 1:6, 250 MM THICK FOR MAIN WALLS AND 115 MM THICK WITH C.M. 1:4 FOR SIDE WALLS OF TOILET AND PARTITIONS INSIDE THE TOILET AND BRICK PILASTERS TO BE PROVIDED AT SUITABLE INTERVALS FOR STRENGTHENING THE PARTITION WALLS.
7) PARTITIONS WALLS IN THE FIRST FLOOR SHALL BE 115 MM THICK AND SHALL NOT BE RAISED ABOVE 1000 MM. IF NECESSARY, THE GAP BETWEEN THE WALL AND ROOF SHALL BE COVERED WITH ONLY LIGHT PARTITIONS AS DECIDED BY FIELD
8) THE TOILET FLOOR SLABS IN FIRST FLOOR SHALL BE DEPRESSED SUITABLY BY SUPPORTING CANTILEVER BEAMS THE EDGE OF THE DEPRESSED SLAB RAISED UPTO THE FLOOR LEVEL OF TOILET IN THE CANTILEVER PORTION A GAP OF 10 MM SHALL BE KEPT IN BETWEEN THE ROOF AND THE BRICK WALL.
9) WHITE WASHING : WALLS INSIDE WHITE WASHED WITH JANATHA GEM OF TWO COATS OVER ONE COAT OF PRIMER AND OUTSIDE COLOUR WASHED WITH TWO COATS OF CEMENT PAINT OVER A BASIC COAT OF WHITE CEMENT.
10) WATER TANK OF SIZE 1500 X 1000 X 600 MM MAY BE PROVIDED AT ONE END OF THE CORNER OF THE BUILDING NEARER TO TOILET PORTION WITH PROVISION OF ACCESS USING MONKEY LADDER. IT MAY BE ENSURED THAT THE WATER TANK DOES NOT REST ON THE ROOF SLABS.
11) THE SALIENT FEATURES OF THE BUILDING LIKE YEAR OF CONSTRUCTION NO OF FLOORS FOR WHICH DESIGNED, LOAD ASSUMED AT FOUNDATION ETC TO BE DISPLAYED IN A PROMINENT PLACE INSIDE BUILDING FOR FUTURE REF.
12) SLOTING ROOF TO BE PROVIDED WITH A SLOPE OF 1 IN 20
13) EXCAVATION FOR MORE THAN 1.00 M DEPTH FROM THE ORIGINAL GROUND LEVEL NEARER THE COLUMNS TO BE AVOIDED SO AS NOT TO DISTURB THE FOUNDATION

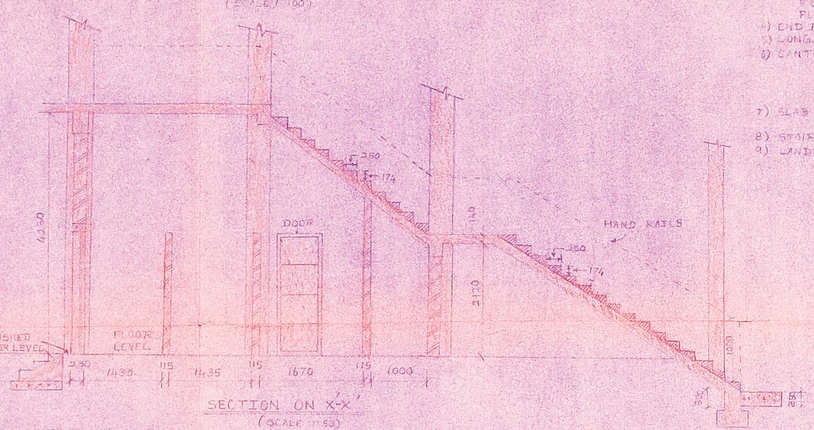
REFERENCE

- BUILDINGS TO BE REGULARISED
- ROAD
- BOUNDARY

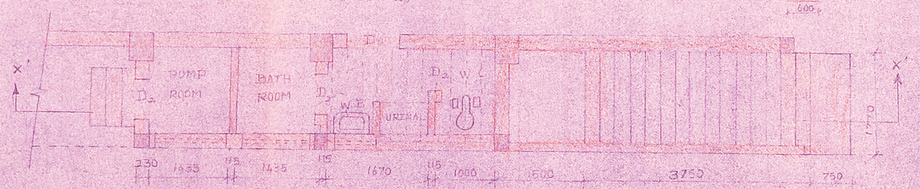
PLINTH AREA 140.60 M²
LAND AREA = 450 M²



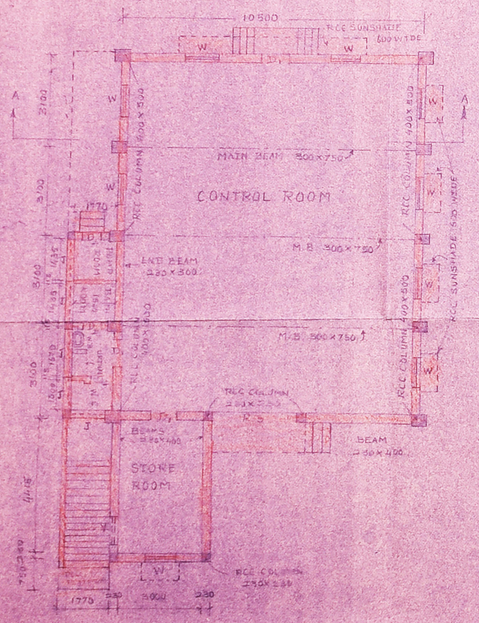
PLAN OF FIRST FLOOR



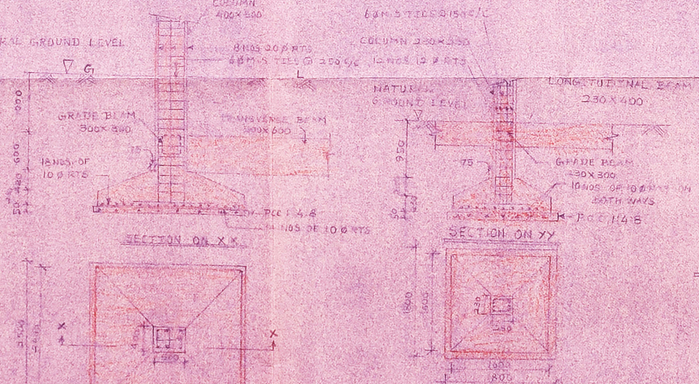
SECTION ON X-X
(SCALE 1:50)



PLAN OF STAIRCASE



PLAN OF GROUND FLOOR
(SCALE 1:100)



PLAN OF COLUMN FOOTING

PLAN OF FOOTING FOR CORNER COLUMN OF STORE ROOM
(SCALE 1:50)

SECTION OF FOOTING FOR COLUMN ON END PILLAR

Executive Engineer (Civil)
SID C.T.N.E.B.
LICENSED SURVEYOR
CLASS I No. 355
ELECTRICITY AVENUE ANNA SALAI
MADRAS-600 002.

Sd dated 21.11.88
Chief Engineer Civil Designs

To be regularised

REVISED AS PER SITE CONDITION	DRAWN A.R.A. MAN	TAMIL NADU ELECTRICITY BOARD	DRG. NO. CD/58 Sheet 1/3
	CHECKED A.E.	DRICOMPLEX 33/11 K.V SUBSTATION	
FE/CIVIL	TRACED	GENERAL ARRANGEMENTS OF CONTROL ROOM, STAIRS & FOUNDATION	DATE 21-11-88
	ISSUED		SCALE AS NOTED

Rp dt 9.12.91

Assy.
Scrutiny:
PART I
PART II
AP
DP