



महानगरपालिका

Municipal Corporation

कार्यालय : न.मु.म.प. मुख्यालय, मुंबई डी. १,
फ्लॅट नं. १०१, पारवीच जंक्शन, से. १५ए,
डी.डी. डेलोपुर, नवी मुंबई - ४०० ११४
दूरध्वनी : ०२२ - २७५६ ७०७०/७१
फॅक्स : ०२२ - २७५७७०७०

Office : N.M.M.C. Head Quarters, Plot No. 1,
Near Killa Ghorabai, Paimbeach Junction,
Sec-15A, C.B.D. Delapur, Navi Mumbai - 400 614.
Tel : 022 - 2756 7070 /71
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KMMMC : TFM : CC : 2015-2016

प्रति,

श्री. विनयत सेनदेव विहारीली वर. लि.

भूखंड क्र. ०१, सेक्टर क्र. १५,

नॅगरोली, नवी मुंबई

आ.क्र./नमूना/नर्सि/का.प./प्र.क्र.प. १८७६१/१५/१/२०१५

दिनांक :- १५/११/२०१५

नर्सि क्र. - नर्सि/वि.क्र.क्र.८०१/२०१५

प्रकरण क्र. प. - १८७६१

विषय :- भूखंड क्र. ०१, सेक्टर क्र. १५, नॅगरोली, नवी मुंबई या जागेत निवासी व वाणिज्य
वापरासाठी आर्थिक परवानगी देणेबाबत.

संदर्भ :- आगले वास्तुविशारद यांचा दि. २०-१०-२०१४, ०३-०६-२०१५, १३-०८-२०१५,
व १६-१०-२०१५ रोजीचा आर्ज

महोदय,

भूखंड क्र. ०१, सेक्टर क्र. १५, नॅगरोली, नवी मुंबई या जागेवरील निवासी व वाणिज्य वापरासाठीच इमारतीस बांधकाम
परवानगी देणेबाबतचा प्रस्ताव महानगरपालिकेस वरील संदर्भाधिना घराबरे प्राप्त झालेला आहे. संदर्भाधिना जागेवरील
निवासी व वाणिज्य वापरासाठीच इमारतीस बांधकाम परवानगी देणेबाबत प्रारंभिक महानगरपालिका अधिनियमा १९६९ च्या कलम
१२१ व १२४ तसेच महानगरपालिका अधिनियम १९६६ च्या कलम ४५ (१) (२) वरील तरतुदीनुसार मंजूर
करणयात येत आहे. निम्नलिखित बांधकामासाठी आवश्यक असलेले बांधकाम प्रारंभ प्रमाणपत्र सोबत जोडले असून त्यातील
अटी व शर्तीचे पालन करणे आवश्यक आहे. तसेच खाली नमूद केलेल्या बाबींची नोंद घ्यावी.

पार्षी पुरवठा व मलविःसोसा सुविधा आवश्यक शुल्क शरणा केव्हामंतर उल्लेख करून देण्यात येतील.

सार्वजनिक स्थळांवर स्तूप व गलरीत बांधकाम सार्वजनिक स्थळांवर नाही याची दक्षता घेण्यात यावी. अशाप्रकारे
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बांधकाम शुल्क आकारना जागेवरील स्थिती गमले/मर्यादा यांची संस्थापकांचे जबाबदारी संबंधित
अभिनसात/भूखंडात/बांधकाम शुल्काबाबत याची नोंद घ्यावी. याचे अर्थवत बांधकाम जागेचा मर्यादा होऊ नये म्हणून संबंधित शुल्कात
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सं.भा.प.



“जन्म असो वा मरण असो अस्वच्छ नोंदणीकरण”

[illegible]

अवधन घातकतक तथेया, उक्त अ क्वाथमाण नममाण प्र. र्चस्योर २००७/प्र.श्र.१८८/कमभातर ७०-अ,
प्र. २७, नईदरबार २००७, कुभा/२८२२ क्वाथमाण काकागार उपथर अदा कैला असुन त्वास क्वाथमाण कल्याण उपकर युनिक कोड
२८, २०२२०७००८०३ ००-२८१२३ ०२ येमयात आला आहे.

अतः १. प्रस्तुत भूखंडावरील भूमीशीचे वांछकाम करीत असताना वांछकामासुळे आजूबाजूच्या नागरिकांना प्रदुषणाचा धोटा होणार नाही तसेच वांछकाम प्रगतीपाठ्यावर असताना वांछकामावरील मजूर अथवा सभोवतालच्या परिसरामधील नागरिकांच्या भूखंडावरील National Building Code मधील तरतुदींचे तसेच अनुषंगीय कार्यावलीत तरतुदींचे कठोरपणे पाळत/अंमलबजावणी करणे संबंधीत भूखंडधारक/विकासकावर बंधनकारक राहील. जर भविष्यात आता सल्ल्याच्या भूखंडावर चालू असलेल्या वांछकामासुळे निवीत अथवा सार्वजनिक/खाजगी मालमत्तेस वृत्त्याही प्रकारची हानी झाल्यास त्यास संबंधीत भूखंडधारक/विकासक हे सर्वस्वी जबाबदार राहील.

- २) प्रस्तुत भूखंडावर रचनायुक्त प्रमाणपत्रासाठी अर्ज सादर करणेपूर्वी आपले भूखंडाचे आजूबाजू असणाऱ्या सार्वजनिक स्थळांचे गणेश, रस्ते, मठार, जलवाहिऱ्या, मलनिःसारण वाहिन्या इत्यादी बाबींस काही हानी पोहोचत नाही असावयाचा सदर बाबी पूर्णतः करण्याची संपत्ती जबाबदारी भूखंडधारकाची/विकासकाची राहिल असावयाचा भोववटा प्रमाणपत्रासाठी अर्ज दिवायत घेतला जाणार नाही याची नोंद घ्यावी.
- ३) प्रस्तुत भूखंडावर बांधकाम पध्दतीची दिशानंतर संबंधित भूखंडाच्या वास्तुविशारदाने कमाच्या प्रमतीभावयुक्त अहवाल वर दोन कॉलमनी या कक्षांतल्याच तिना विलंब सादर करणे बंधनकारक राहिल अन्वया भांगवटा प्रमाणपत्रासाठी आपला अर्ज दिवायत घेतला जाणार नाही याची नोंद घ्यावी.
- ४) प्रस्तावित प्रकल्पाचे संपूर्ण बांधकाम क्षेत्र २०००० चौ. मी. पेक्षा जास्त असल्यामुळे संपूर्ण प्रकल्पाकरीत शासनाने प्राप्त करणार विभागाकडून पर्यावरण अनुज्ञेयता (Environmental Clearance) जोता तपासणी प्रमाणपत्रापूर्वी प्राप्त करून घेणे बंधनकारक आहे. त्याशिवाय पुढील बांधकाम अनुज्ञेय होणार नाही. याची काटेकोरपणे दृष्टता घ्यावी.
- ५) जेव्हा ZMA संकेत २२/०२/२०२३ रोजीच्या ना इतर प्रमाणपत्रांमधील अटी व शर्ती आपणांस बंधनकारक राहिलीत.
- ६) नदीकाठच्या (Riparian) भूभागावर बाबतच्या महाराष्ट्र शासनाच्या दि.७.६.२०१० रोजीच्या आज्ञेनुसार शीतल: झालेल्या नदी मुंबई महानगरपालिकेच्या विकास नियंत्रण नियमावलीच्या प्रकृष नियम क्र.३६(अ). गुसूर सार्व भूखंडावर आपणांस अद्यावत मांडणीची भूखंडाच्या व यावर भूखंडाची तरतुद करणे, त्या अनुषंगिक करण्याची इतरतः टाकी व विटव्या रंगाच्या आईए लाईन्स बसविणे, बायोनित क्षेत्रे तसेच पृथ्वी/क्षेत्राल करणे बंधनकारक राहिल. त्यानुसार पुणेरीबा केलेल्या पाण्याचा वापर बायबसिचे, पृथ्वी (Fishbait) गड्या भूखंडांत (विषयानुसार व रक्षणवाक्याच्या बायबसिचे) इत्यादी साठी वापरणे बंधनकारक राहिल. उक्त प्रकृष दिशानुक्त नगरपालिका विभागाकडे तसेच नदी मुंबई महानगरपालिकेच्या संकेत स्थळावर (www.mmcouncil.org) उपलब्ध आहे.
- ७) प्रस्तुत प्रकल्पात बांध करणारा आजूबाजू पृथ्वी/काठ/बांधाचे चुकीची अथवा दिशाभूल करणारी असल्याने निर्देशनाय आल्यास सदरची परवानगी आपोआप रद्द होईल.

आपका,

સા : પાનિફિકેટ

११. मं. ओम्बुल्ल समलेख, १८८३/१८८४

१४००/१४०१, केम्ब्रिज ऑब्जर्वेटरी, प्लॉट - ५, रोड नं. ११, सांजोबा, नवी मुंबई

७. मुख्य वाच्यशब्दों में निम्नोक्तनकार, सिद्धि का है.

2) 06-214798 (50000 L - 500000 L).

॥ १२५०॥ आश्विनार्द्र, शुक्ल द्वितीया, मद्युक्ता,

(संश्लेष) च. हजार

सहस्रसंस्कृतसंस्कृत रचना
नवीन संस्कृत सहस्रसंस्कृतसंस्कृत

Permission is hereby granted under Section 45(1) (b) of the Maharashtra Regional & Town Planning Act, 1966 and Section 253 & 254 of the Bombay Provincial Municipal Corporation Act, 1948, M/s. Piramal Sunseek Realty Pvt. Ltd., Plot No.01, Sector-12, Airoli, Navi Mumbai. As per the approved plans and subject to the following conditions for the construction work of the proposed Building

Phase - I Total BUA = Res. = 3253.857m² + Comm. = 1504.957m² = 4758.814m² F.S.I. = 0.971 (No. of units - Res. - 53, Shop-02)

Phase - I EWS Total BUA = Res. 2493.980m² F.S.I. = 0.30 (20% Extra as per EWS notification) (No. of units - Res. 40)

Phase - II The work to be commenced only after submission of MoEF Clearance

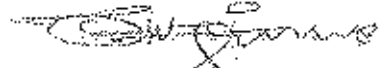
Phase - II Total BUA = Res. = 6277.365m² F.S.I. = 0.929 (No. of units - Res. - 102)

Total BUA = Ph.I - Res.+Comm. = 4758.8140m² Ph.II = Res. - 6277.365m² = 11033.179m² F.S.I. = 1.50 (Residential cum Commercial) (No. of units - Res. 155, Shop-02)

- 1) The Certificate is liable to be revoked by the Corporation if:
 - a) The development work in respect of which permission is granted under this Certificate is not carried out or the use there of is not in accordance with the sanctioned plans.
 - b) Any of the conditions subject to which the same is granted or any of the restrictions imposed by the Corporation is contravened.
 - c) The Municipal Commissioner is satisfied that the same is obtained by the Applicant through fraud & misrepresentation and the Applicant and/or any person deriving title through or under him, in such and event shall be deemed to have carried out the development work in contravention of Section 43 or 45 of the Maharashtra Regional & Town Planning Act, 1966.
- 2) THE APPLICANT SHALL :
 - a) Give a notice to the Corporation on completion up to plinth level and 7 days before the commencement of the further work.
 - b) Give written notice to the Municipal Corporation regarding completion of work.
 - c) Obtain an Occupancy Certificate from the Municipal Corporation.
- 3) Allow the Officers of the Municipal Corporation to enter the building or premises for which the permission has been granted at any time for the purpose of enforcing the Building Control Regulations and conditions of this Certificate.
The structural design, building materials, plumbing services, fire protection, electrical installation etc. shall be in accordance with the provision (except for provision in respect of floor area ratio) as prescribed in the National Building Code amended from time to time by the Indian Standard institutions.
- 4) The Certificate shall remain valid for a period of one year from the date of issue and can be further revalidated as required under provision of Section M. R. & T. P. Act, 1966. This commencement Certificate is renewable every year but such extended period shall be in no case exceed three years provided further that such lapse shall not be any subsequent applicant for fresh permission under Section 44 of the Maharashtra Regional & Town Planning Act, 1966.
- 5) The condition of this Certificate shall be binding not only on the Applicant but also its successors and every person deriving title through or under them.
- 6) A certified copy of the approved plans shall be exhibited on site and the Name Board showing name of Owner, Architect, Builder & Structural Engineer, Ward No., Sector No., Plot No., Survey No., Area of Plot, No. of flats, Built-up Area, Commencement Certificate No. & Date shall be installed on site.
- 7) The plot boundaries shall be physically demarcated immediately and the intimation be given to this section before completion of plinth work.
- 8) The amount of S.D. Rs.311597/- S.D. Rs.366432/- for Mosquito Prevention's Rs.366432/- for debris & S.D. Rs.42000/- for Tree Plantation deposited with NMMC as Security Deposit shall be forfeited either in whole or in part at the absolute discretion of the corporation for breach of any other Building Control Regulation and condition attached to the permission covered by the Commencement Certificate. Such a forfeiture shall be without prejudice to any other remedy or right of the Municipal Corporation.
- 9) You shall provide overhead water tank on building & underground water tank in two compartments, one for drinking water & another for other than drinking water. It should conform to the standards applicable in this behalf.
- 10) You should approach to the Executive Engineer, M.S.E.B. for the power requirement location of transformer if any, etc.
- 11) Every plot of land shall have at least 1 tree for every 100 Sq.M. or part thereof of the plot area.

- 12) For all building of non-residential occupancies and residential building with more than 15M height following additional conditions shall apply:-
 - a) The staircase shall be separated by fire resistance walls and doors from rest of the buildings.
 - b) Exit from lift lobby shall be through a self closing smoke stop door.
 - c) There shall be no other machinery in the lift machinery room.
 - d) For centrally air conditioned building area of external open,able windows on a floor shall be minimum 2.5 % of floor area.
 - e) One of the lift (Fire lift) shall have a minimum loading capacity of 6 persons. It shall have solid doors. Lights shall not be designed in the staircase wall.
 - f) Electrical cables etc. shall in separate ducts.
 - g) Alternate sources of electric supply or a diesel generator set shall be arranged.
 - h) Hazardous material shall not be stored.
 - i) Refuse stamps or storage places shall not be permitted in the staircase wall.
 - j) Fire fighting application shall be distributed over the building.
 - k) For building upto 24 M. Height capacity of underground storage tank and overhead storage shall be 50,000 ltrs. and 10,000 ltrs respectively. Wet rises shall be provided. Pump capacity 1000 ltrs./min and 250 ltrs/min. respectively. For building with height above 24 mtrs., the figures shall be 75000 ltrs. and 20,000 ltrs. and the pump capacity of 1350 ltrs/min and 450 ltrs/min respectively.
- 13) Recreation ground or amenity open space be developed before submission of Building Completion Certificate.
- 14) No work should be started unless the existing structures are to be demolished with utmost care.
- 15) Applicant/Architect should strictly follow all the conditions of lease agreement. Owner & Architect will be held responsible for breach of any condition of lease Agreement of CIDCO.
- 16) The Owner & the Architect and Structural Engineer concerned are fully responsible for the Construction quality of the building as per approved building plan. Structural design, Stability building construction quality, which should confirm to withstand an earthquake of Highest intensity in seismic zone IV.
- 17) The Occupancy Certificate for the proposed building will not be granted unless the house Drainage lines are connected to the Municipal Main Sewer lines to the satisfaction of Municipal Authority as well as Plantation of trees and provision of garbage bin on the site.
- 18) Application for completion/occupation Certificate shall be accompanied with the plan as per construction done on the site.
- 19) Area of required parking spaces as shown in approved plan should be marked with the material of permanent nature with numbering.
- 20) The building material in reconstruction case or soil removed from the trenches should not be dumped or stored on municipal road. It should be dumped or stored on site as would be decided by the concern Ward Officers of Navi Mumbai Municipal Corporation.
- 21) The building constructed should not be occupied without obtaining Occupation Certificate. Otherwise it will be treated as unauthorized use and necessary action as per law will be taken.
- 22) This Commencement Certificate is valid up to plinth level only. The further order will be given after the plinth is inspected.
- 23) The applicants should fulfill all the health related provisions mentioned in the "Implementation of Ant larva & Mosquito Prevention Activities during and after construction and Tree Authority Bye-Laws 1968 "The special mention is for mosquito prevention activities, construction of over-head tanks, debris removal and the sanitary conditions of drainage etc.
- 24) The construction period as per the prevailing Agreement has been expired & you have applied for the extension for construction period to CIDCO vide letter dated 19/11/2015 accordingly CIDCO replied vide letter at 20/11/2015 that your application regarding the same is under process & consideration meanwhile you shall submit an undertaking for above said CIDCO NOC to be submitted before completion of plinth.
- 25) Window sill level must be at 0.90 M. height. The difference between chajja level & slab level must be 0.50 M. minimum.
- 26) Window sill level must be at 0.90 M. height. The difference between chajja level & slab level must be 0.50 M. minimum.
- 27) The Owner & the architect are fully responsible for any Ownership, Area & Boundary disputes. In case of any dispute Navi Mumbai Municipal Corporation will not be responsible.
- 28) Temporary Labour sheds with proper toilet arrangement shall be provided on the site. If sufficient arrangement is not provided permission for construction above plinth level will not be granted & said temporary shed should be demolished prior to O.C.

- 29) The Owner & the Architect and Structural Engineer concerned area instructed to strictly adhere to the conditions of FIRE NOC issued vide NMMC/FIRE/H.O./VASHI/5290/2015 dated 15/10/2015 by Deputy Chief Fire Officer NMMC, Navi Mumbai.
- 30) F.S.I. calculation submitted in the drawings shall be as per Development Control Rules. If any discrepancy observed, the Architect will be held responsible and liable for necessary action.
- 31) The area shown open to sky on the ground floor plan should not be so used as would disturb the maneuvering of the vehicles required to be parked in the parking spaces shown in the plan.
- 32) As directed by the Urban Development, Department Government of Maharashtra, under section - 154 of MR&TF Act-1935 and vide provision No. TPB 432003/2139/CR-230/03/UD-11, dated 10/03/2005, for all buildings greater than 300.00 sq. m. following additional condition of Rain Water Harvesting shall apply.
 - a) All the layout open spaces of Housing Society and new construction/reconstruction /additions on plots having area not less than 300.00 sq. m. shall have one or more Rain Water Harvesting structures having minimum total capacity as detailed in Schedule (enclosed).
Provided that the authority may approve the Rain Water harvesting Structures of specifications different from those in schedule, subject to the minimum capacity of Rain Water Harvesting being ensured in each case.
 - b) The owner/ society of every building mentioned in the (a) above shall ensure that the Rain Water Harvesting structure is maintained in good repair for storage of water for non potable purposes or recharge of groundwater at all times.
 - c) The Authority may impose a levy of not exceeding Rs. 1000/- per annum for every 100 sq. m. of built up area for the failure of the owner of any building mentioned in the (a) above to provide or to maintain Rain Water Harvesting as required under these byelaws.
- 33) The Owner / Society has paid the labour cess as per circular issued by the Government in Industries, Energy & labour Department Vide No. BCA 2007/OR/788/Labour 7 - A, dated 26th October 2009 & accordingly a Labour Welfare cess Unique Code No.20140200403 A-18761 01 is given.
- 34) The Occupancy Certificate for the proposed building will not be granted unless Solar Assisted Water Heating System shall be provided as stipulated in Rule No. 35 of D.C.R.-1994. (Copy attached herewith)
- 35) The Commencement Certificate shall be valid for the construction work upto gross built up area 19136.529sq.m. only as stipulated in the plans submitted by you under phase-I. You required to submit Environmental Clearance Certificate from MoEF for the entire construction of proposed gross built area 42021.164sq.m. prior to commencing the construction of further works in phase-II under intimation to the Navi Mumbai Municipal Corporation.
- 36) As per the draft Regulation No.36(A) of 'Development Control Regulations' of Navi Mumbai Municipal Corporation regarding 'Gray Water reuse in housing & commercial complexes in Navi Mumbai' which was published in Maharashtra Government's Gazette dated 07.06.2010, You are required to construct, commission & maintain package advanced waste water treatment & recycle plant in the premises for the treatment, recycle & reuse including necessary storage tanks & green colored separate plumbing works. In this regard, you shall submit proposed 'Discharge Management Plan' to the Navi Mumbai Municipal Corporation. The gray water effluent shall be recycled & reused for flushing and non-potable use (i.e. other than drinking / cooking purposes) etc. The aforesaid model draft bye laws as published in the Gazette of the Government of Maharashtra shall be available in the Town Planning Department as well as on website (www.nmmcconline.com) of the Navi Mumbai Municipal Corporation.


 (Sunil C. Wagle)
 Assistant Director of Town Planning
 Navi Mumbai Municipal Corporation.



35. SOLAR ASSISTED WATER HEATING SYSTEM (SAWHS)

1. Unless the context otherwise requires, the following definitions shall be applicable for the purpose of these Regulation.

i)	Solar Assisted Water Heating System (SAWHS)	A device to heat water using solar energy as heat source
ii)	"Auxiliary Back Up"	Electrically operated or fuel fired boilers/systems to heat water coming out from solar water heating system to meet continuous requirement of hot water
iii)	"New Building"	Such buildings of hereinafter said categories for which construction plans have been submitted to competent authority for approval.
iv)	"Existing Building"	Such buildings which are licensed to perform their respective business

2. Solar Assisted Water Heating Systems (SAWHS)

"Buildings of the following categories shall provide the system or the installation having an auxiliary Solar Assisted Water Heating Systems (SAWHS)

- Hospitals and Nursing Homes
- Hotels, Lodges and Guesthouses.
- Hostels of Schools, Colleges, Training Centers,
- Barracks of armed forces, paramilitary forces and police.
- Individual residential buildings having more than 150 sq.m. Plinth area.
- Functional Building of Railway Stations and Airports like waiting rooms, sitting rooms, rest rooms, inspection bungalows and catering units.
- Community Centers, Banquet Halls, Bazaar Ghars, Kalyan mandaps (Marriage Halls) and Buildings for similar use".

3. Installation of Solar Assisted Water Heating Systems (SAWHS)

The following provisions shall be applicable for all the new buildings of categories mentioned in 35.2 for installation of Solar Energy Assisted Systems.

- a) Adequate provisions shall be made for installation of SAWHS in the building design itself for an insulated pipeline from the rooftop to various distribution points, within the aforesaid occupancies. The building must have a provision for continuous water supply to the solar water heating system.
- b) In case of hot water requirement, the building should also have open space on the rooftop, which receives direct sunlight. Wherever hot water requirement is continuous, auxiliary heating arrangement either with electric elements or oil of adequate capacity can be provided.
- c) The load bearing capacity of the roof should at least be 50 kg. Per Sq.mt. All new buildings of above said categories must complete installation of solar water heating systems before obtaining necessary permissions to commence their activities.
- d) The capacity of solar water heating system to be installed on the building different categories shall be decided in consultation with the Planning/Local Authority concerned. The recommended capacity shall not be less than 25 liters per day for each bathroom and kitchen subject to the condition that maximum of 50% of the total roof area is provided with the system.
- e) Installation of SAWHS shall conform to BIS (Bureau of Indian Standards) specifications IS 12933. The solar connectors used in the system shall have the BIS certification mark.
- f) Building permission for all the new constructions/buildings of the aforesaid categories shall be granted only if they have been complied with these provisions.

SCHEDULE

RAIN WATER HARVESTING

Rain Water Harvesting in a building site includes storage or recharging into ground of rainwater falling on the terrace or on any paved or unpaved surface within the building site.

f. The following systems may be adopted for harvesting the rainwater drawn from terrace and the paved surface.

(i) Open well of a minimum of 1.00 mt. dia and 6 mt. in depth into which rain water may be channeled and allowed after filtration for removing silt and floating material. The well shall be provided with ventilating covers. The water from the open well may be used for non-potable domestic purposes such as washing, flushing and for watering the garden etc.

(ii) Rain water harvesting for recharge of ground water may be done through a bore well around which a pit of one-meter width may be excavated up to a depth of at least 3.00 mt. and refilled with stone aggregate and sand. The filtered rainwater may be channeled to the refilled pit for recharging the bore well.

(iii) An impervious surface/underground storage tank of required capacity may be constructed in the setback or other open space and the rainwater may be channeled to the storage tank. The storage tank shall always be provided with ventilating covers and shall have draw off taps suitably placed so that the rain water may be drawn off for domestic, washing, gardening and such other purposes. The storage tanks shall be provided with an overflow.

(iv) The surplus rainwater after storage may be recharged into ground through percolation pits or trenches or combination of pits and trenches. Depending on the geomorphologic and topographical condition, the pits may be of the size of 1.20 mt. width X 1.20 mt. length X 2.00 mt. to 2.50 mt. depth. The trenches can be of 0.60 mt. width X 2.00 to 6.00 mt. length X 1.50 to 2.00 mt. depth. Terrace water shall be channeled to pits or trenches. Such pits or trenches shall be back filled with filter media comprising following materials:

- a. 40 mm stone aggregate as bottom layer upto 50% of the depth,
- b. 20 mm stone aggregate as lower middle layer upto 20% of the depth;
- c. Coarse sand as upper middle layer upto 20% of the depth;
- d. A thin layer of fine sand as top layer;
- e. Top 10% of the pits/trenches will be empty and a splash is to be provided in this portion in such a way that roof top water falls on the splash pad.

- f. Brick masonry wall is to be constructed on the exposed surface of pits/trenches and the cement mortar plastered.

The depth of wall below ground shall be such that the wall prevents loose soil entering into pits/trenches. The projection of the wall above ground shall at least be 15 cms.

- g. Perforated concrete slabs shall be provided on the pits/trenches.

- v) If the open space surrounding the building is not paved, the top layer up to a sufficient depth shall be removed and refilled with coarse sand to allow percolation of rainwater into ground.

- vi) In case of the plots where the water table is high i.e. 10 feet less, it is not mandatory to follow the above provisions.

2. The terrace shall be connected to the open well/bore well/storage tank/recharge pit/trench by means of HDPE/PVC pipes through filter media. A valve system shall be provided to enable the first washings from roof or terrace catchments, as they would contain undesirable dirt. The mouths of all pipes and opening shall be covered with mosquito (insect) proof wire net. For the efficient discharge of rainwater, there shall be at least two rain water pipes of 100 mm dia mtr. for a roof area of 100 sq.mt.

3. Rainwater harvesting structures shall be sited as not to endanger the stability of building or earthwork. The structures shall be designed such that no dampness is caused in any part of the walls or foundation of the building or those of an adjacent building.

4. The water so collected/recharged shall as far as possible is used for non-drinking and non-cooking purpose.

Provided that when the rainwater in exceptional circumstances will be utilized for drinking and/or cooking purpose, it shall be ensured that proper filter arrangement and the separate outlet for by passing the first rainwater has been provided.

Provided further that it will be ensured that for such use, proper disinfectants and the water purification arrangements have been made.

15.00 MT. WIDE ROAD

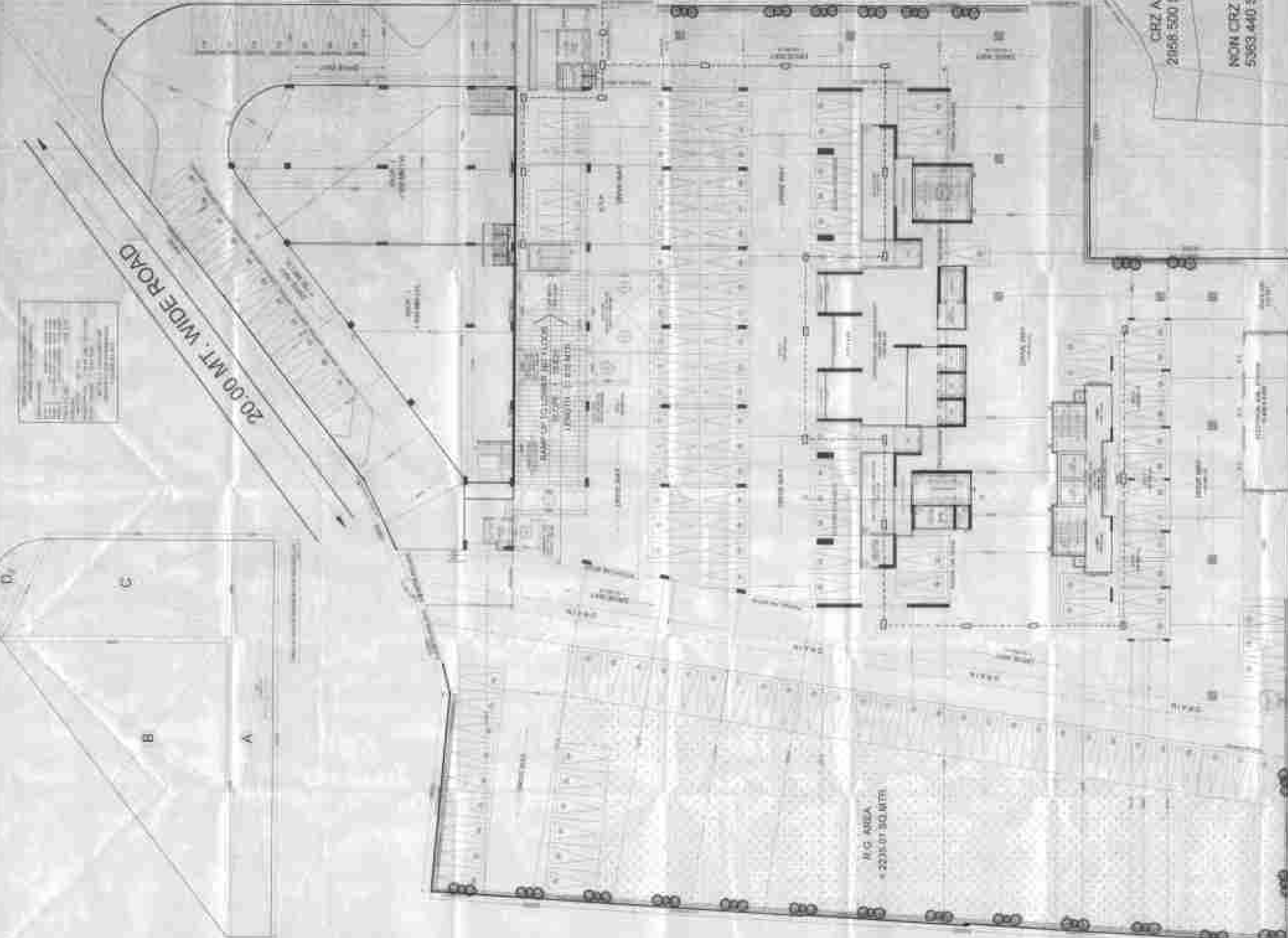
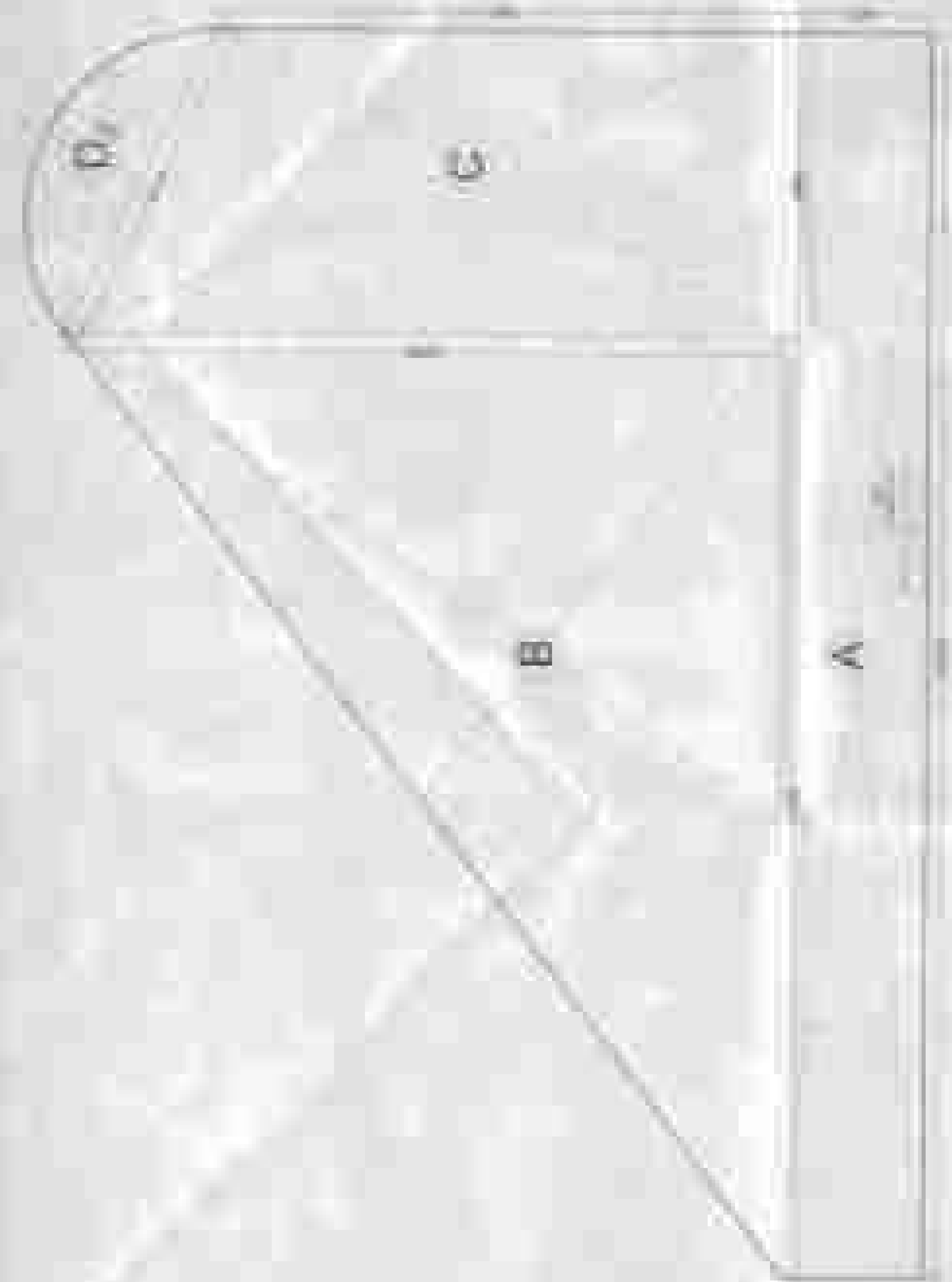
20.00 MT. WIDE ROAD

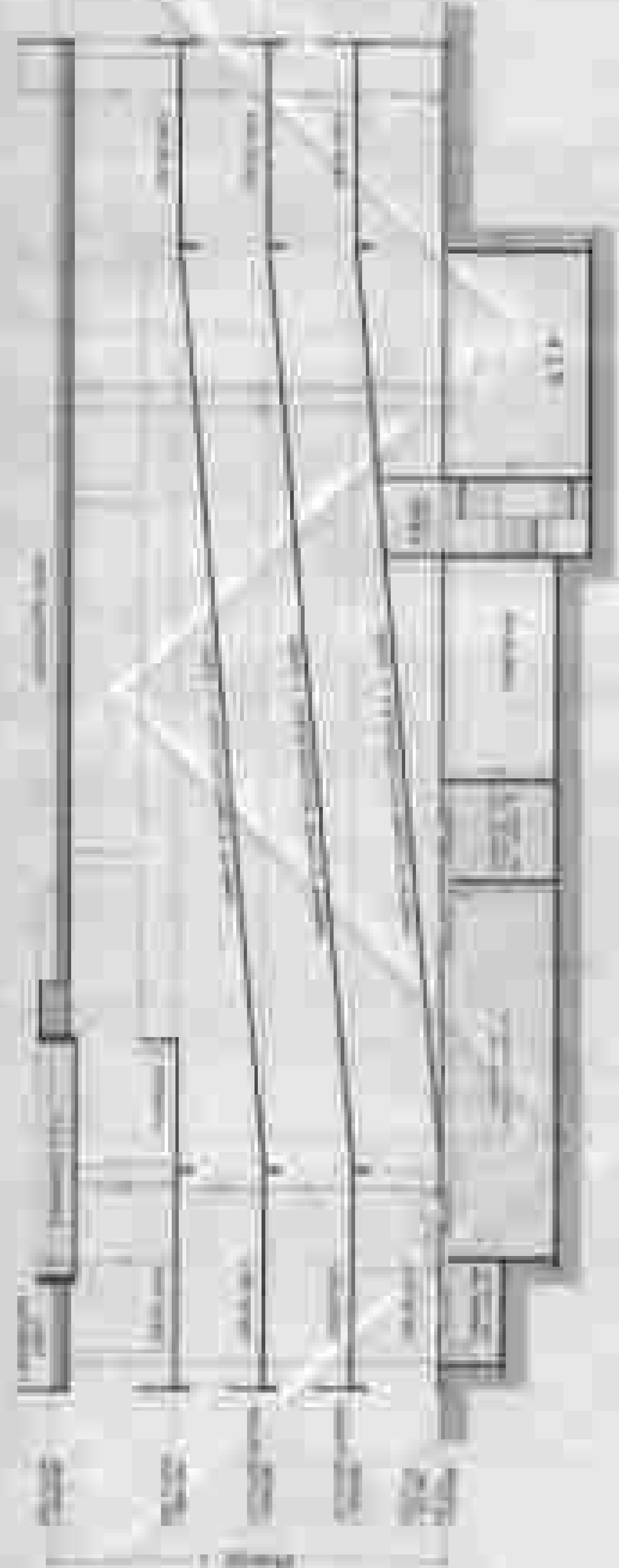
CRZ AREA
2858 500 SQ.MTS
NON CRZ AREA
5353 440 SQ.MTS

H.G. AREA
2235.01 SQ.MTS

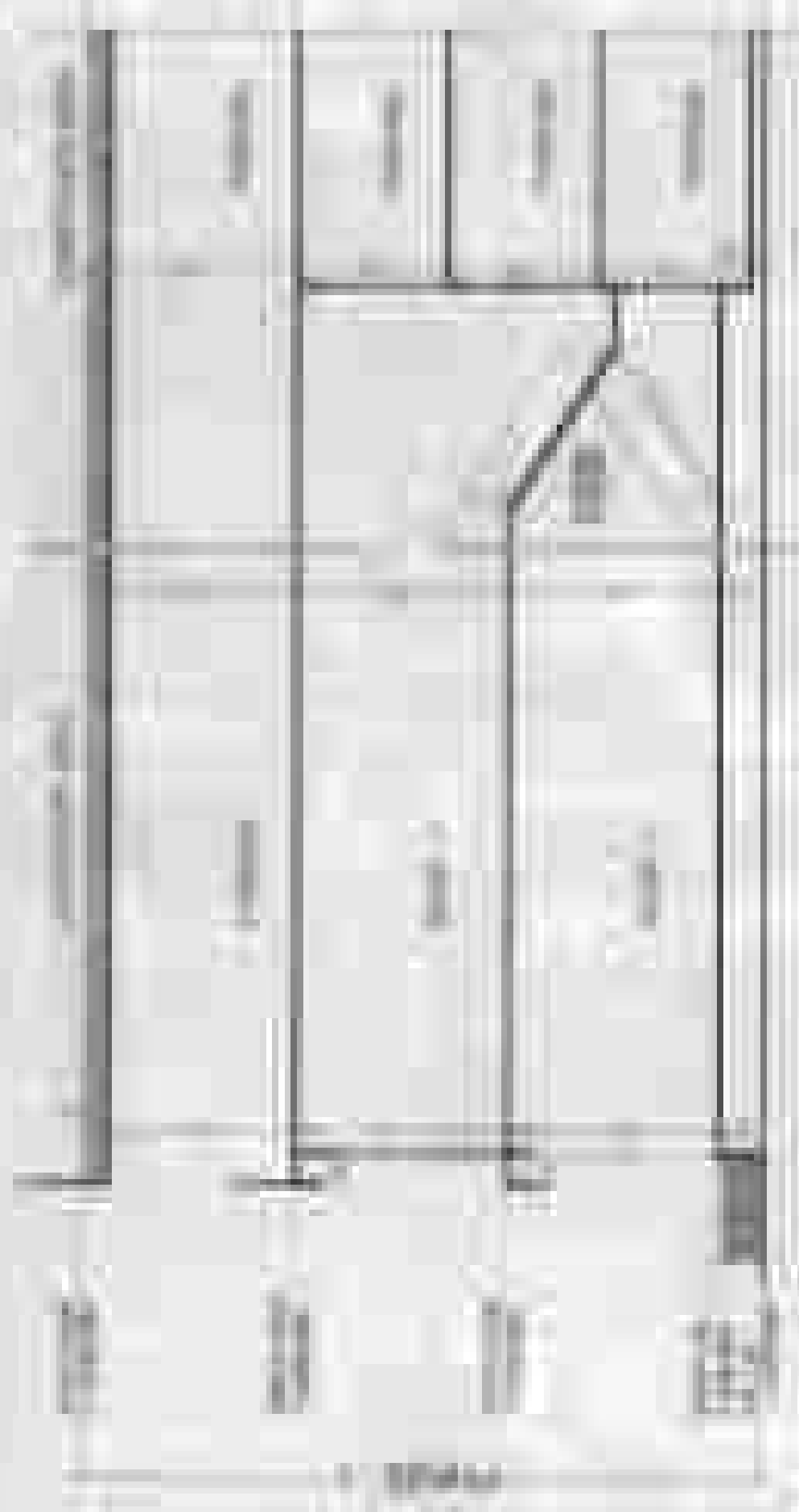
GROUND FLOOR PLAN
Scale: 1:500

NO.	DESCRIPTION	QTY
1	CONCRETE	1000
2	BRICK	5000
3	ROOFING	2000
4	PAINT	1000
5	WATER	5000
6	ELECTRICITY	1000
7	TELEPHONE	1000
8	POSTAGE	1000
9	TRAVEL	1000
10	FOOD	1000
11	ENTERTAINMENT	1000
12	SPORTS	1000
13	RECREATION	1000
14	RELIGION	1000
15	EDUCATION	1000
16	HEALTH	1000
17	WELL-BEING	1000
18	SAFETY	1000
19	SECURITY	1000
20	DEFENSE	1000

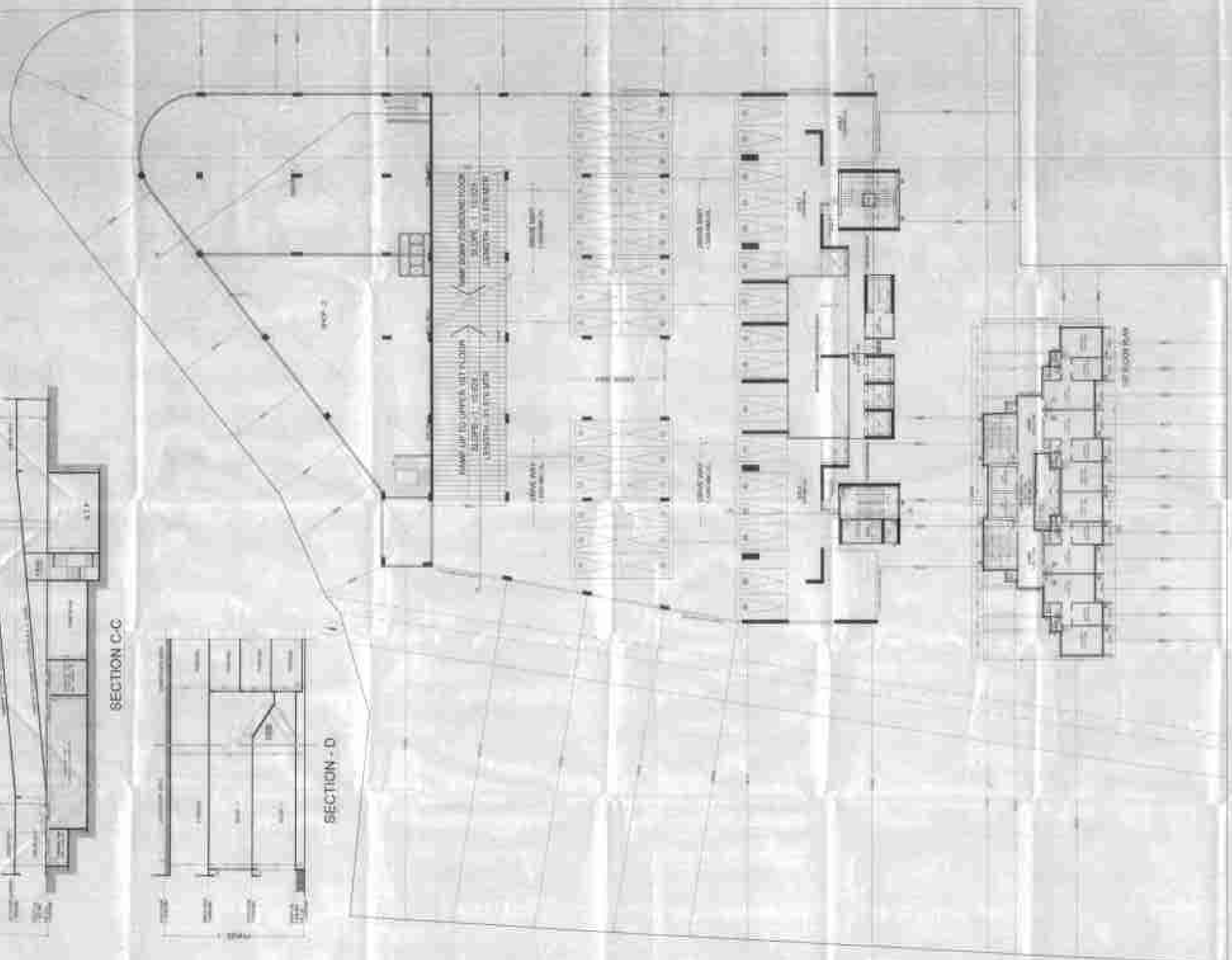




SECTION C-C



SECTION D-D



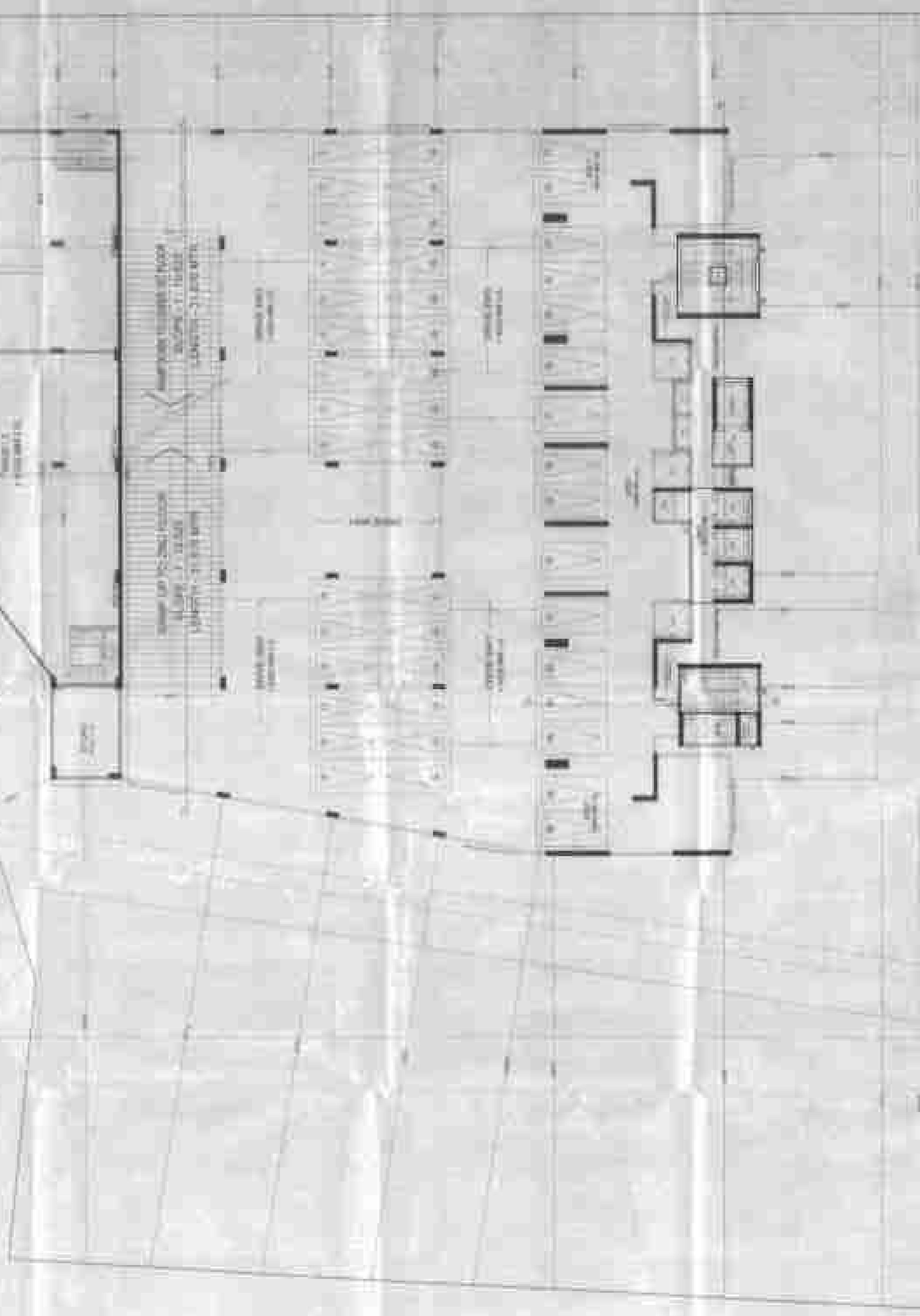
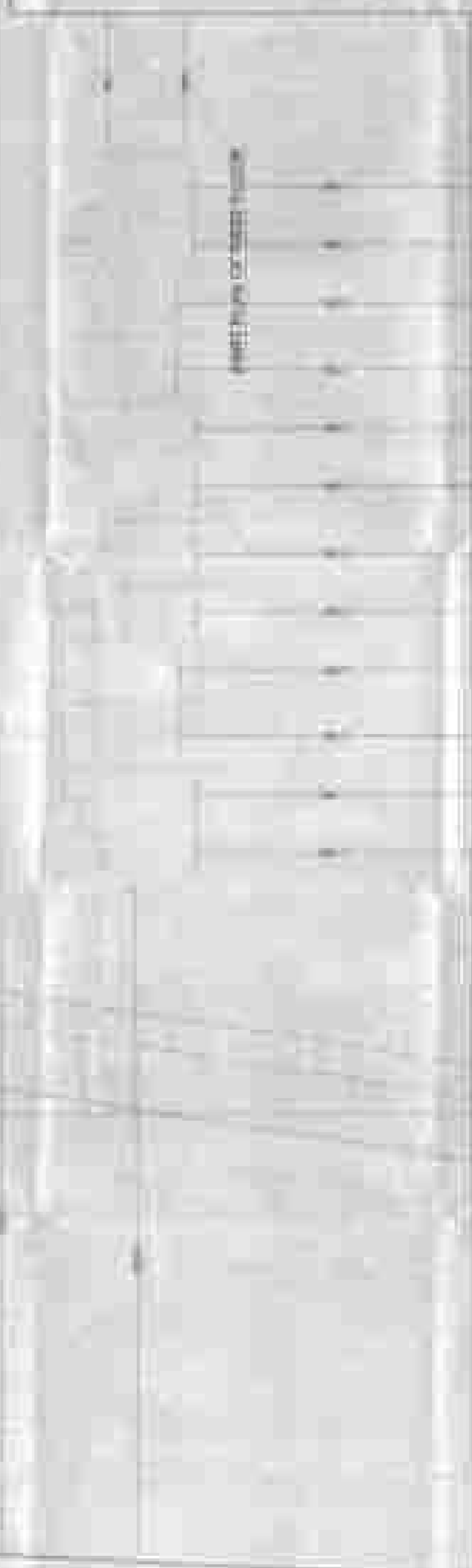
FLOOR PLAN

1. The design of the structure shall be in accordance with the requirements of the relevant codes and standards.
 2. The design shall take into account the effects of wind, snow, and seismic loads.
 3. The design shall ensure the safety and serviceability of the structure throughout its design life.
 4. The design shall be based on the most unfavorable combination of loads.
 5. The design shall be subject to the approval of the relevant authorities.

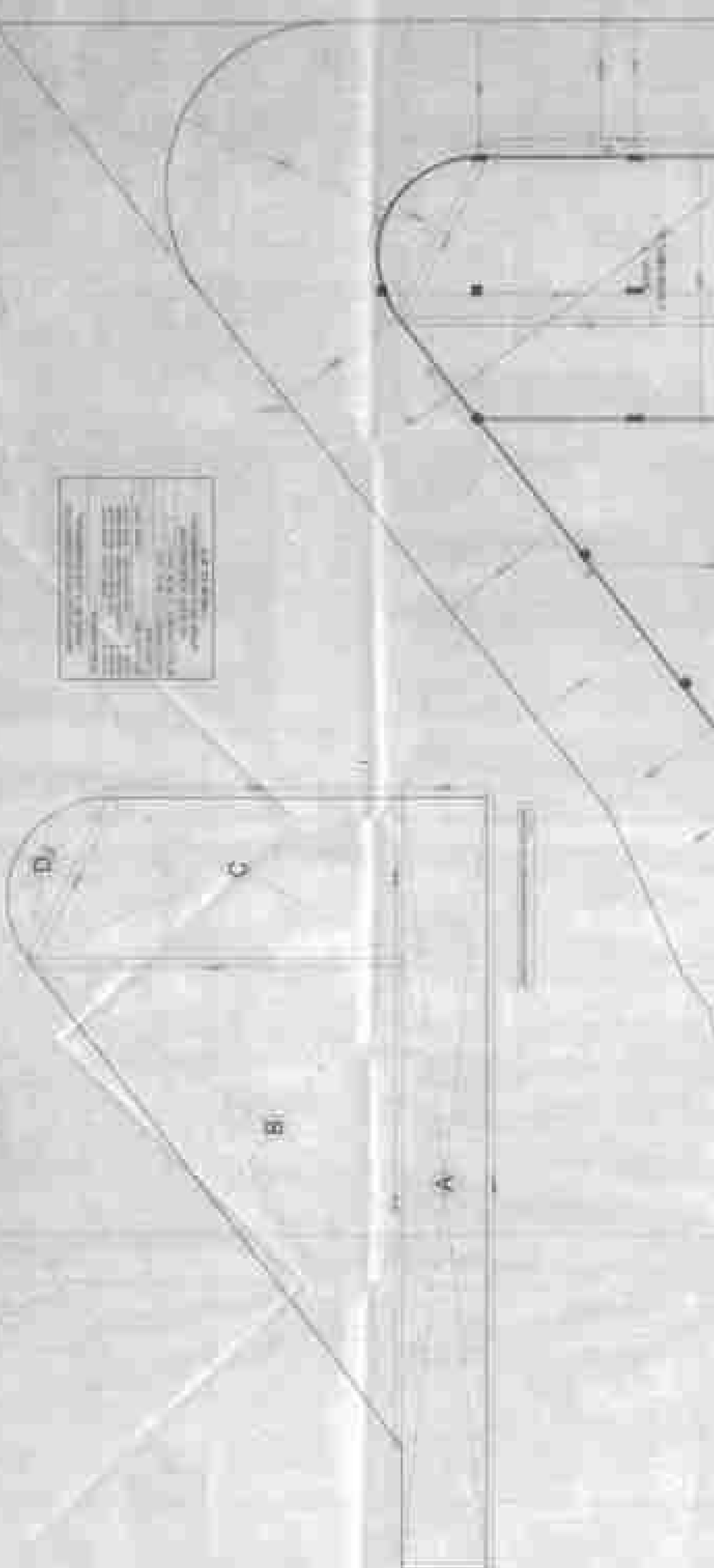
6. The design shall be based on the most unfavorable combination of loads.
 7. The design shall be subject to the approval of the relevant authorities.

8. The design shall be based on the most unfavorable combination of loads.
 9. The design shall be subject to the approval of the relevant authorities.

10. The design shall be based on the most unfavorable combination of loads.
 11. The design shall be subject to the approval of the relevant authorities.



NO.	DESCRIPTION	UNIT	QUANTITY
1	CEMENT	TON	100
2	SAND	CUM	500
3	AGGREGATE	CUM	1000
4	IRON RODS	TON	50
5	BRICKS	NO.	10000
6	PLASTER	SQ. M	200
7	PAINT	LITRE	100
8	LABOUR	MAN-DAY	1000
9	TRANSPORT	TON-KM	1000
10	WATER	CUM	100
11	ELECTRICITY	KWH	100
12	TELEPHONE	NO.	1
13	POSTAGE	NO.	1
14	INSURANCE	NO.	1
15	PROFIT	NO.	1
16	TOTAL		



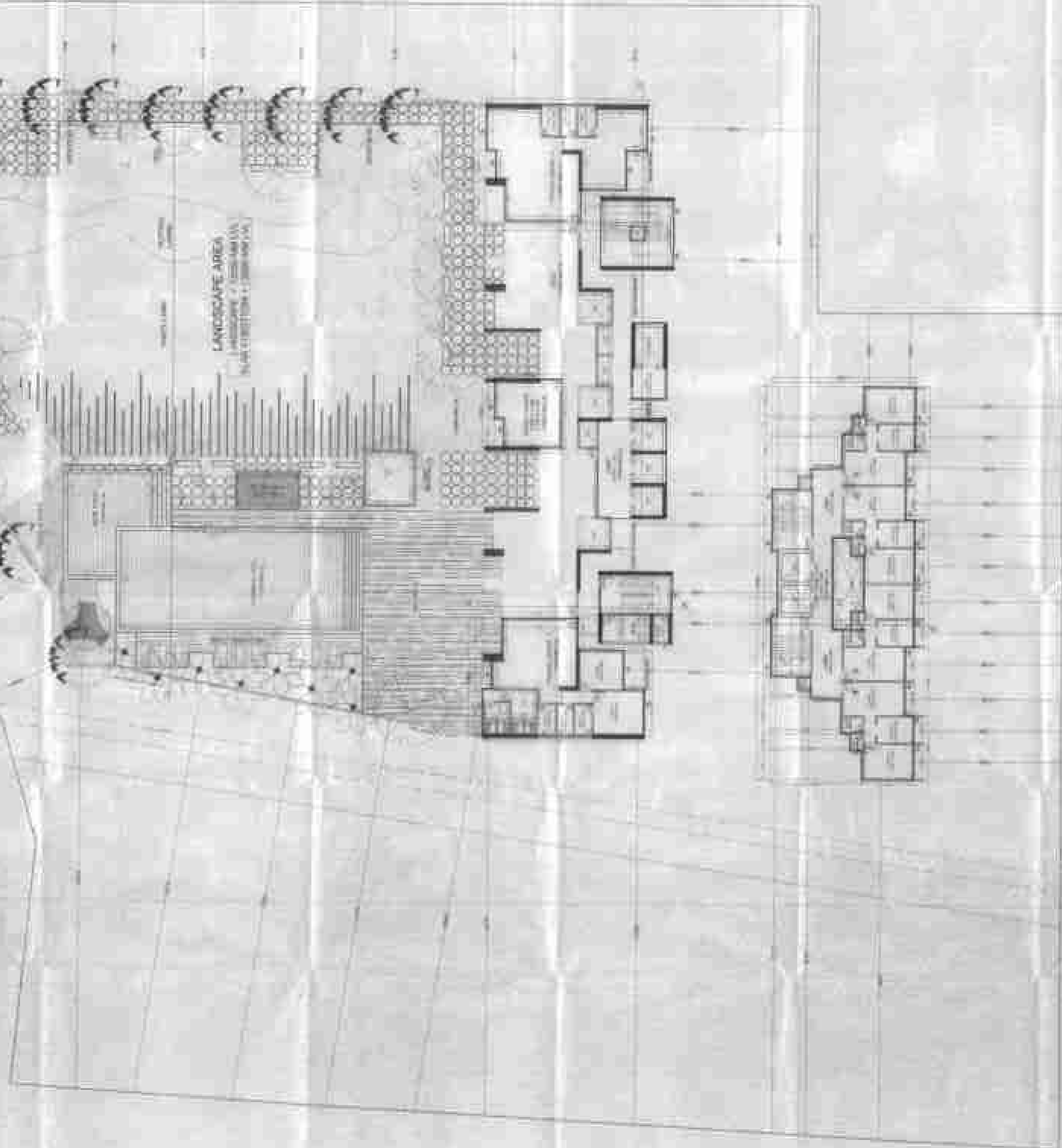
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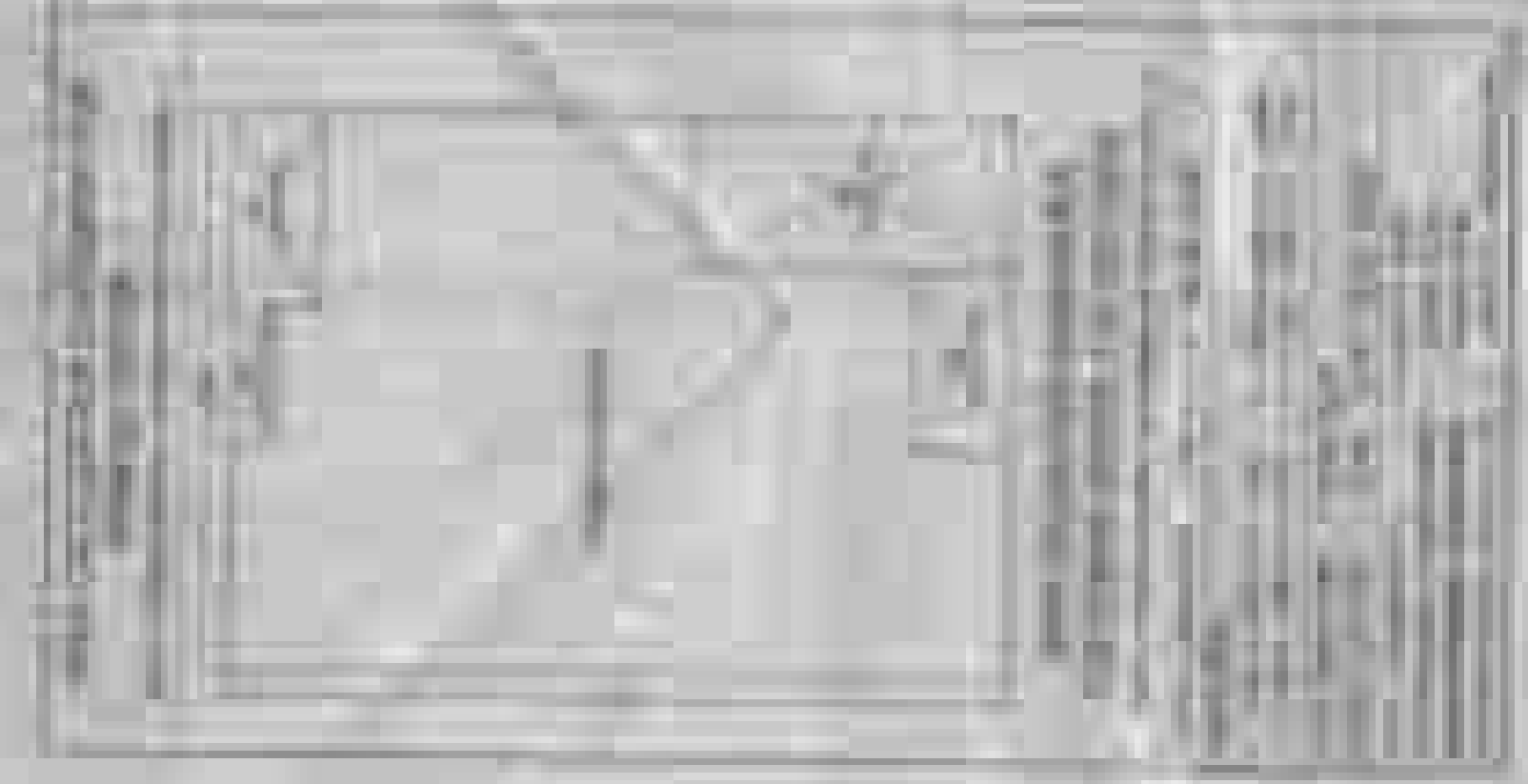
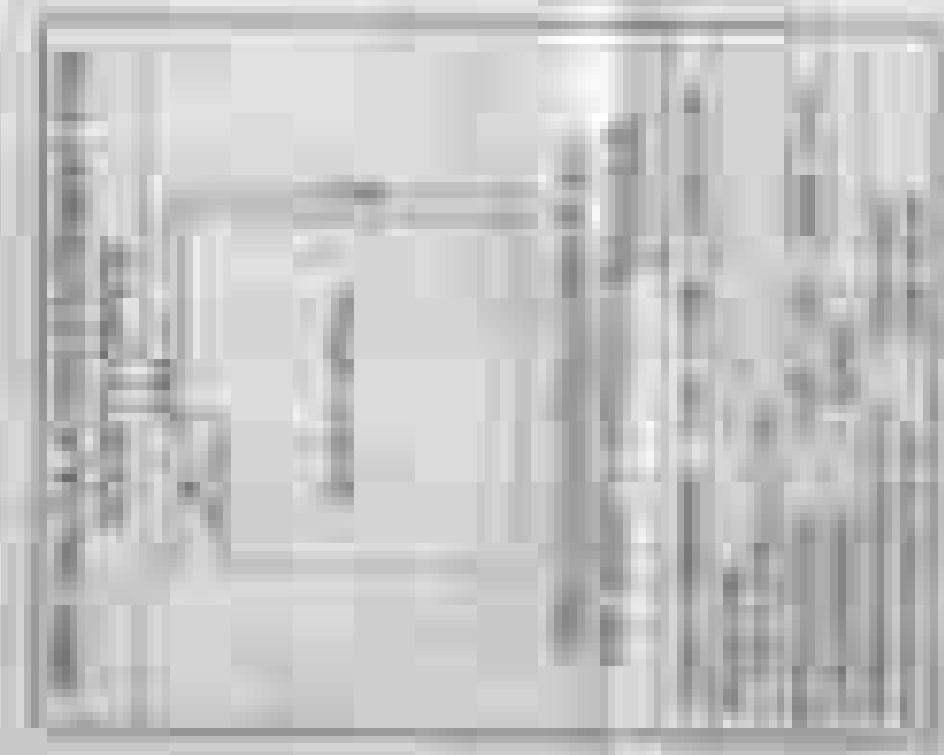
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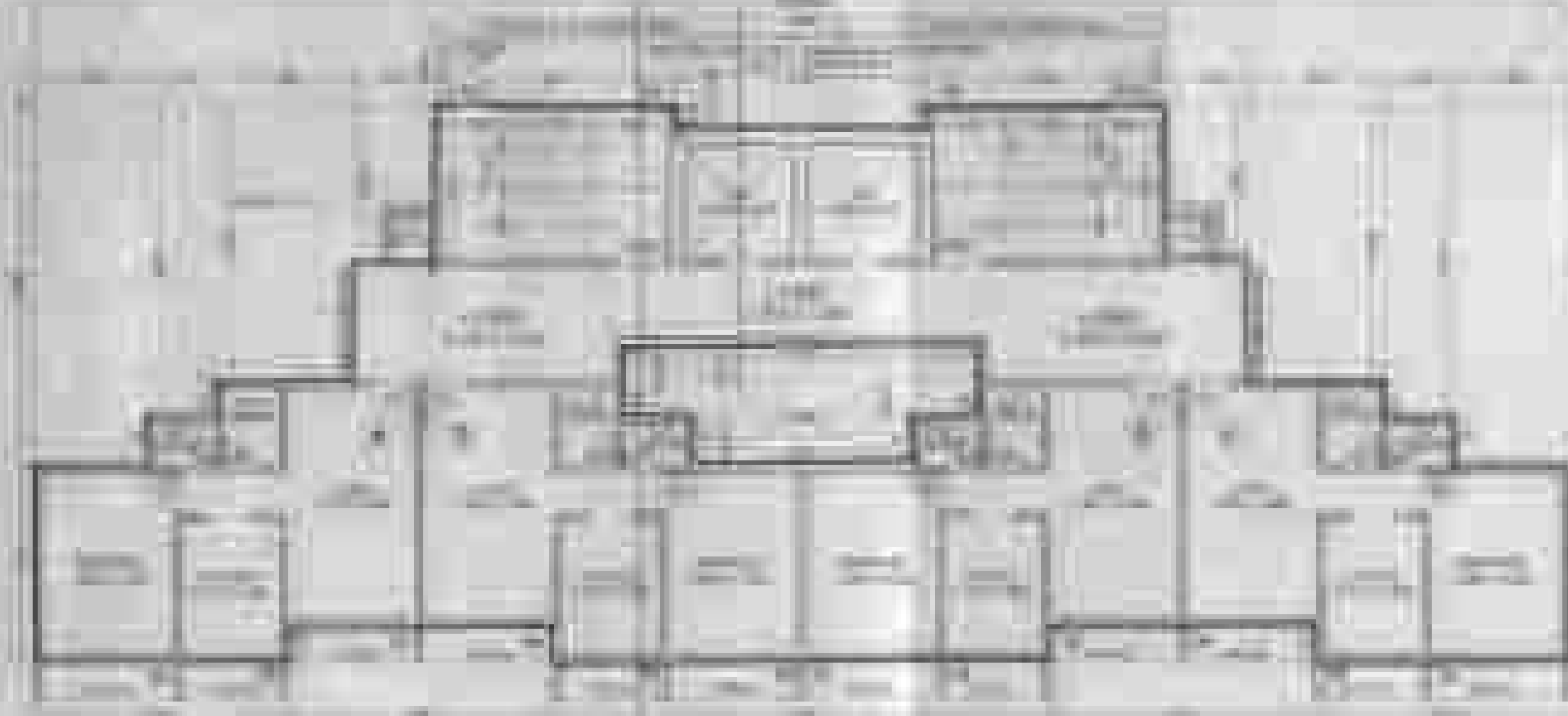
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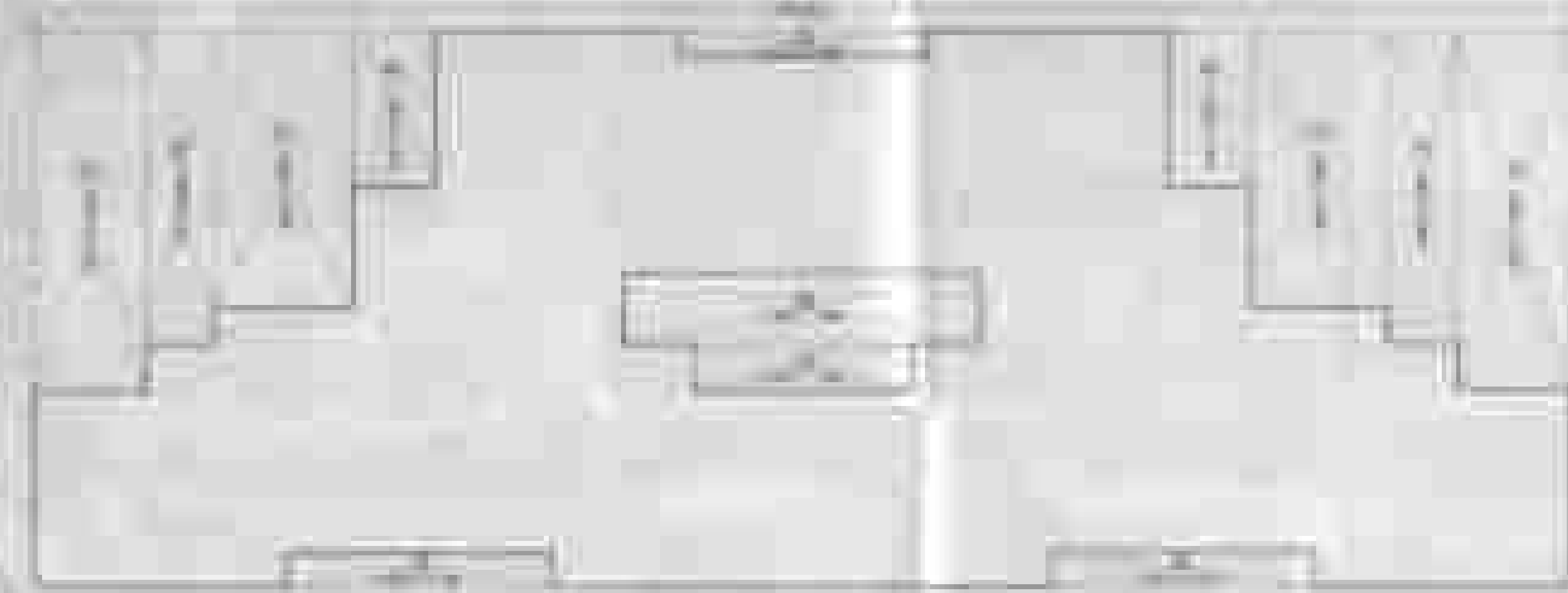


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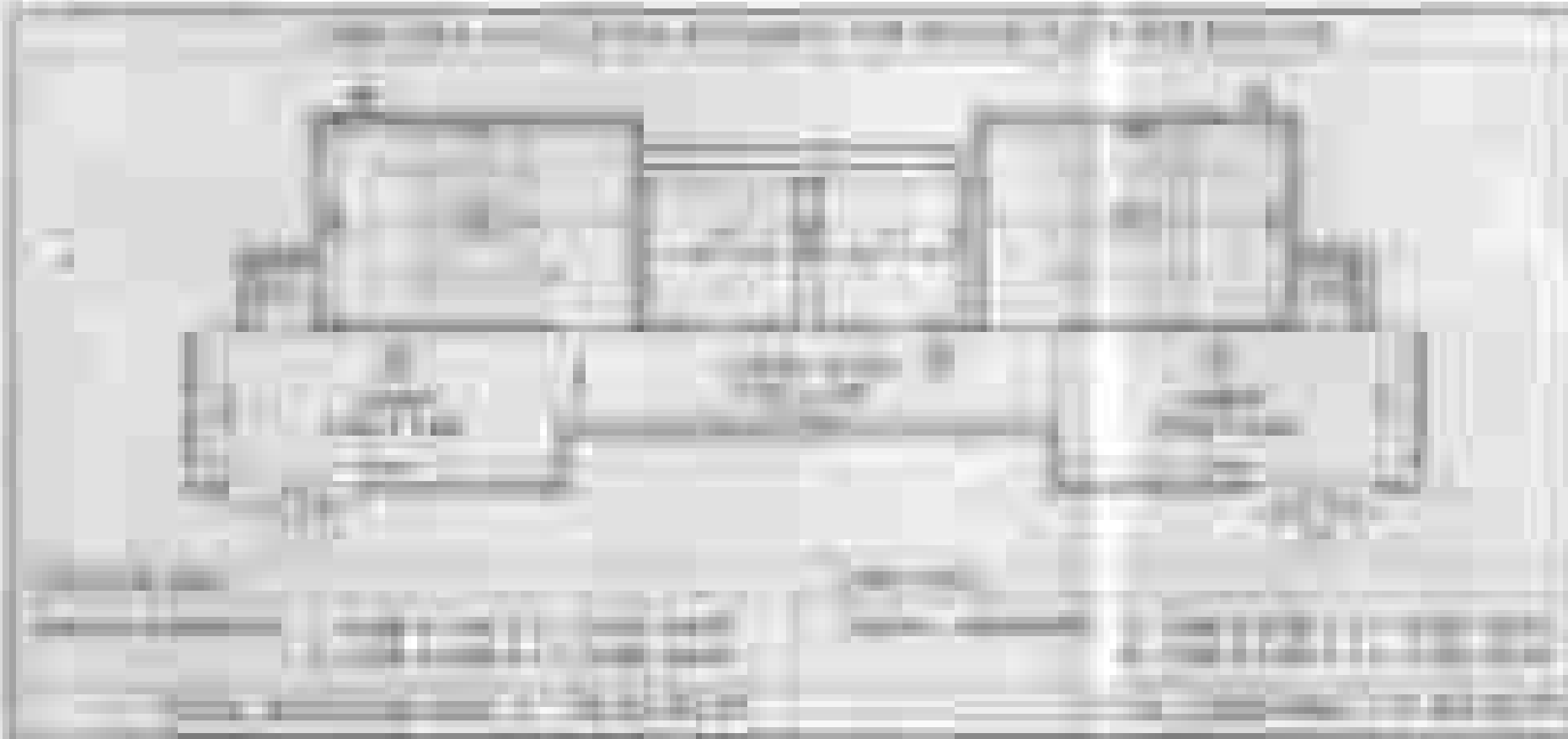
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REVISIONS

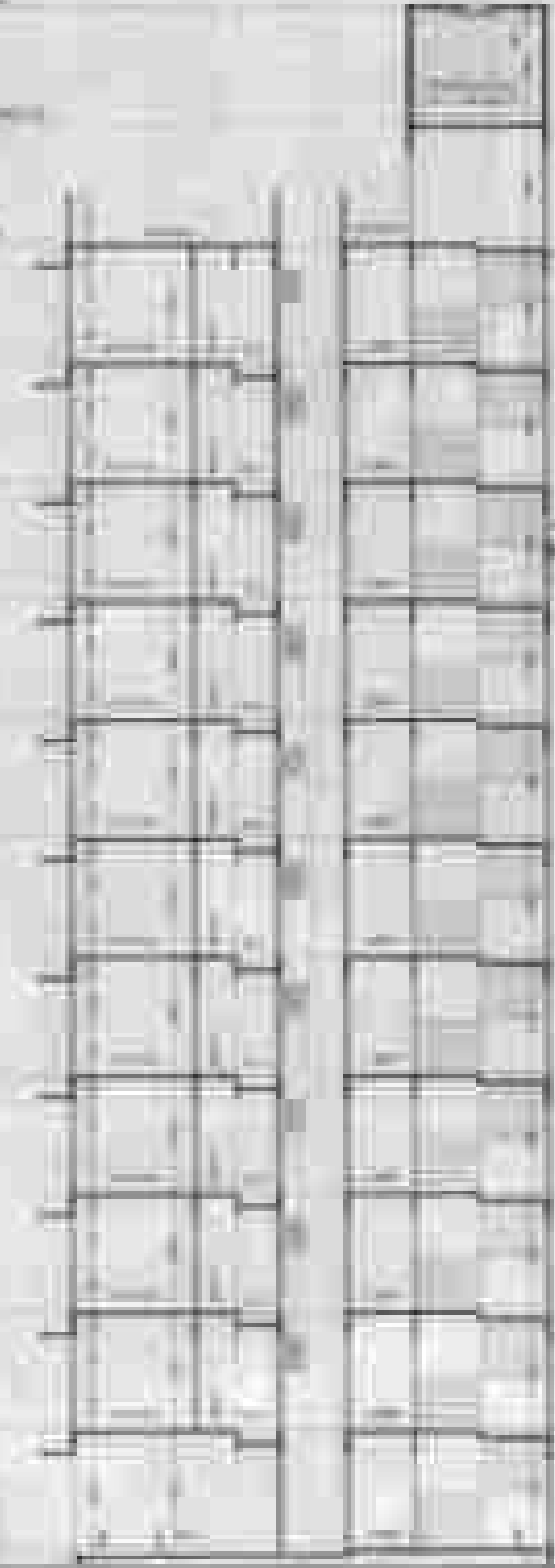
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REVISIONS

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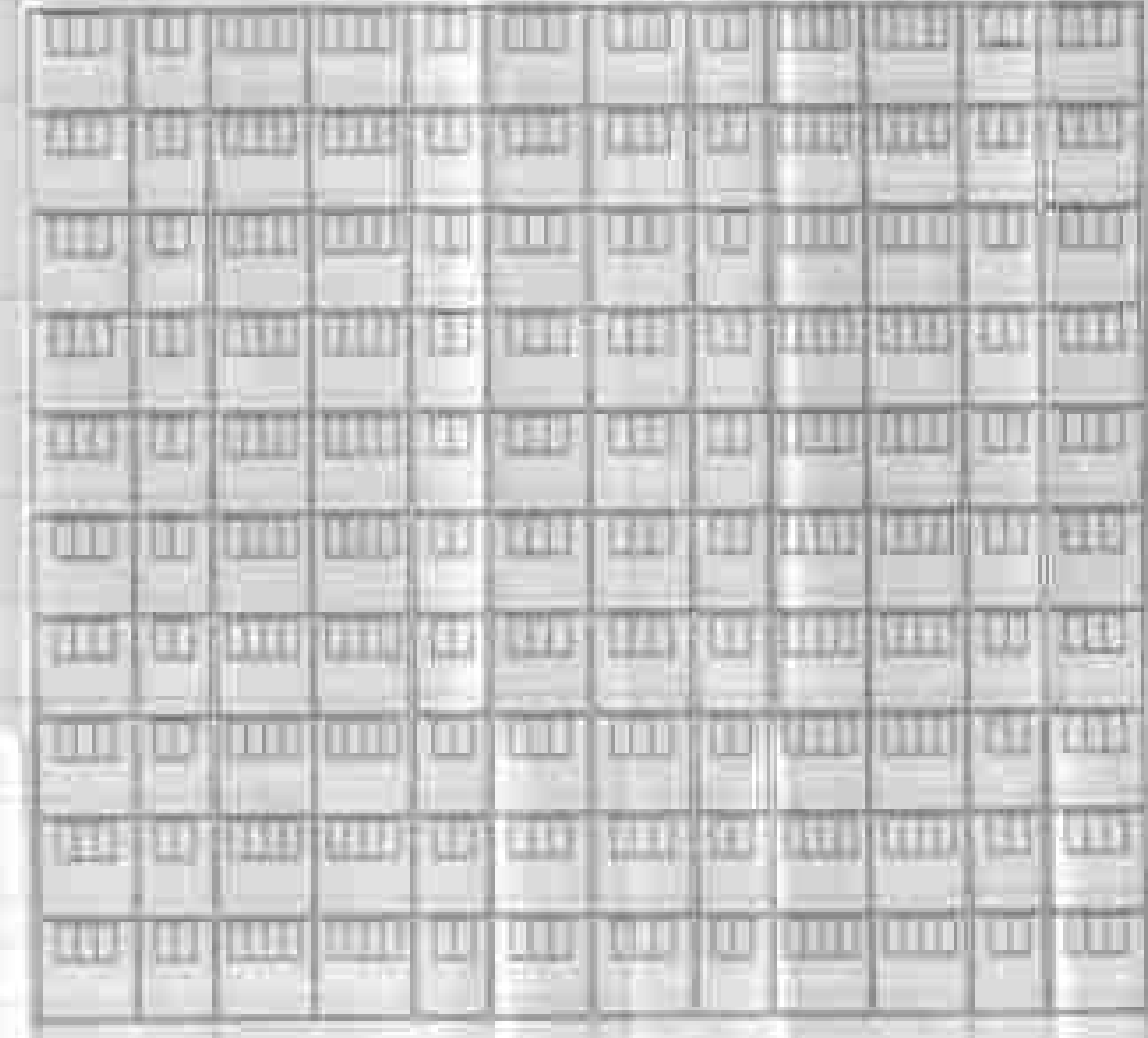


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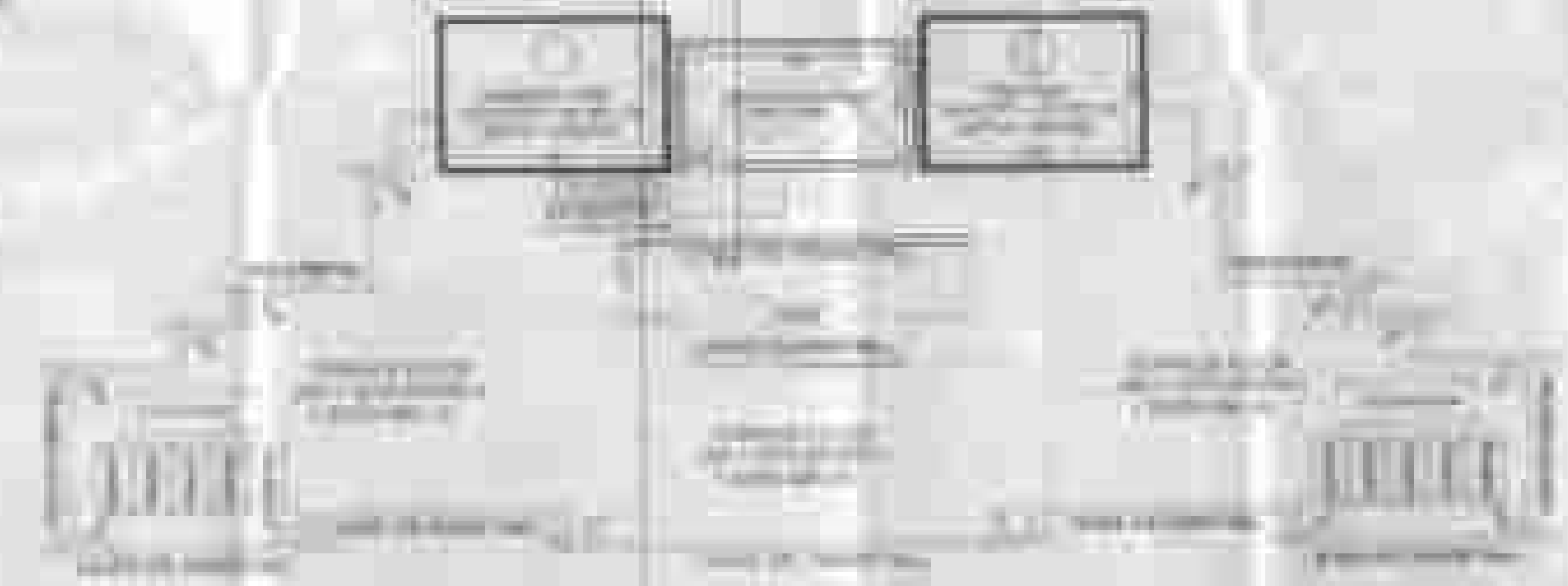


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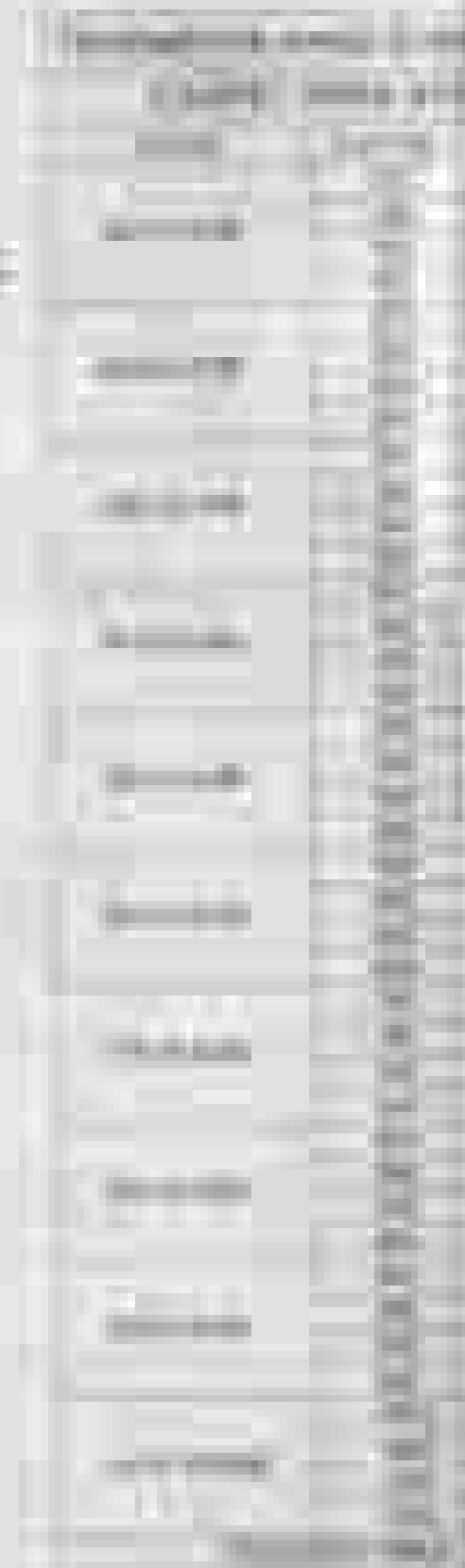
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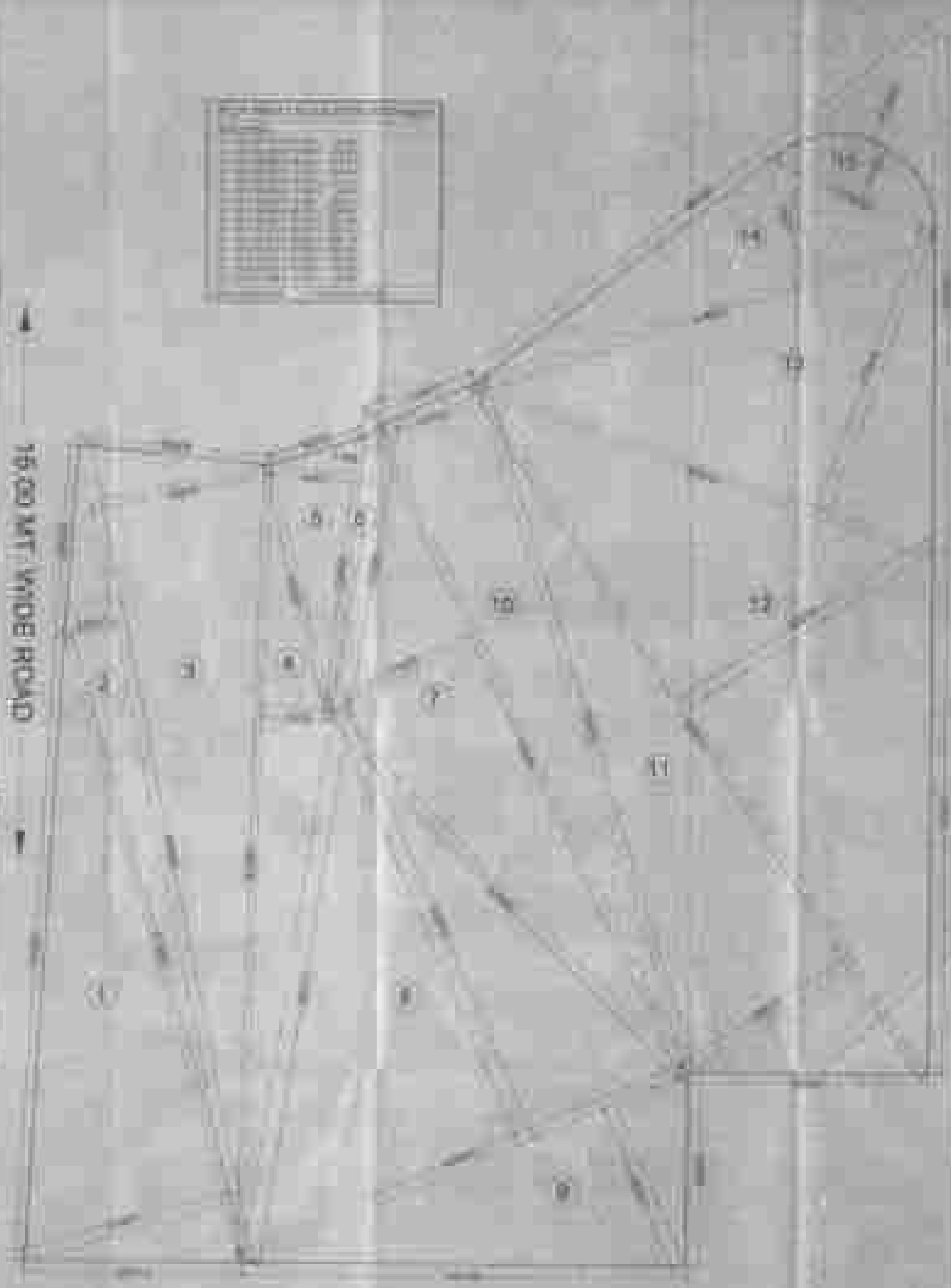
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5	REVISION	1/1/70	...	...
6	REVISION	1/1/70	...	...
7	REVISION	1/1/70	...	...
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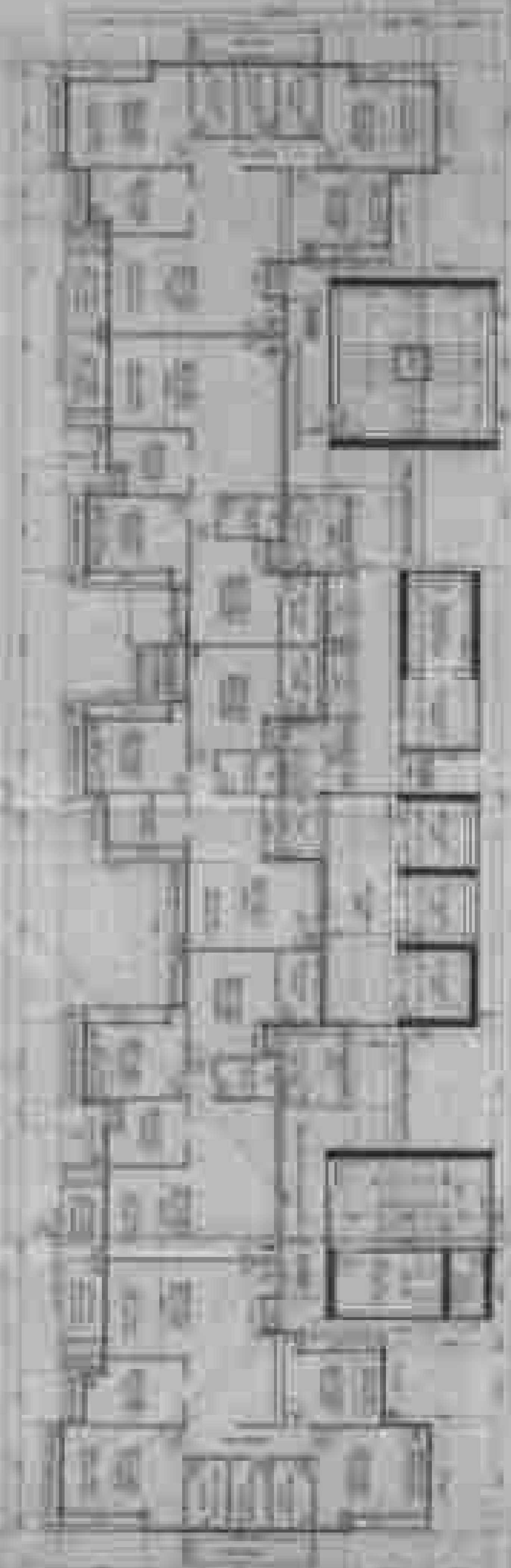
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 8. 100' 200' 300' 400' 500' 600' 700' 800' 900' 1000'
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 10. 100' 200' 300' 400' 500' 600' 700' 800' 900' 1000'



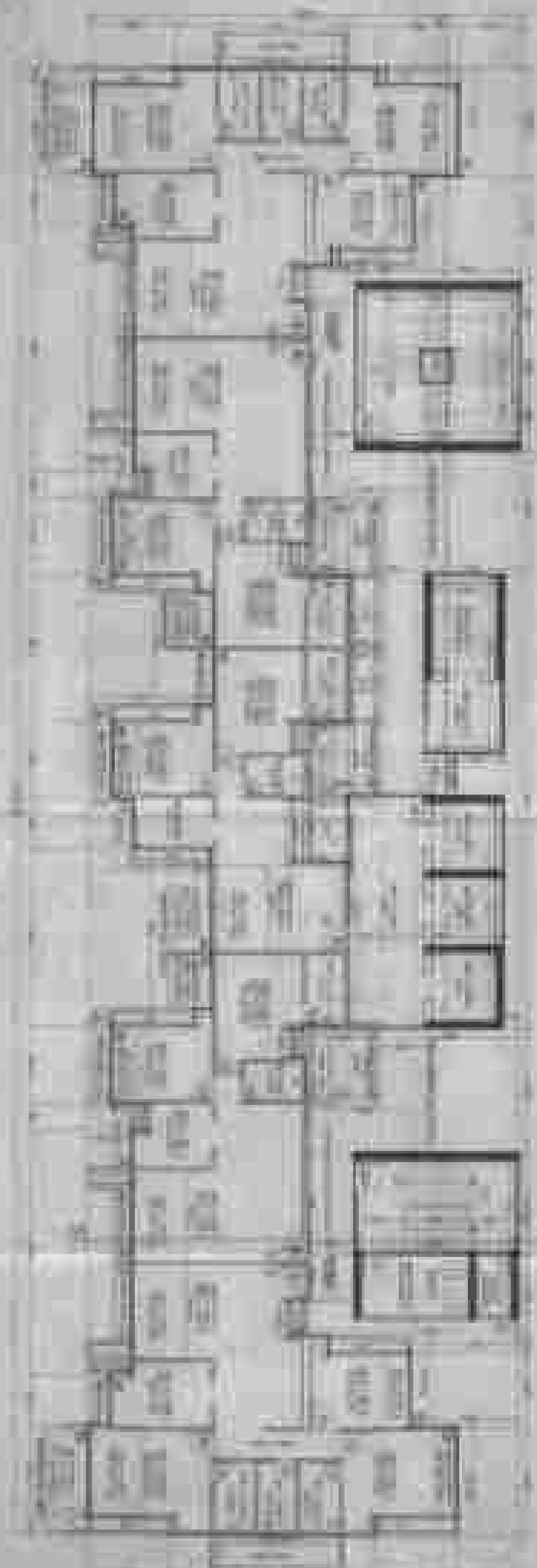
2000 MT. WIDE ROAD

15.00 MT. WIDE ROAD

15.00 MT. WIDE ROAD



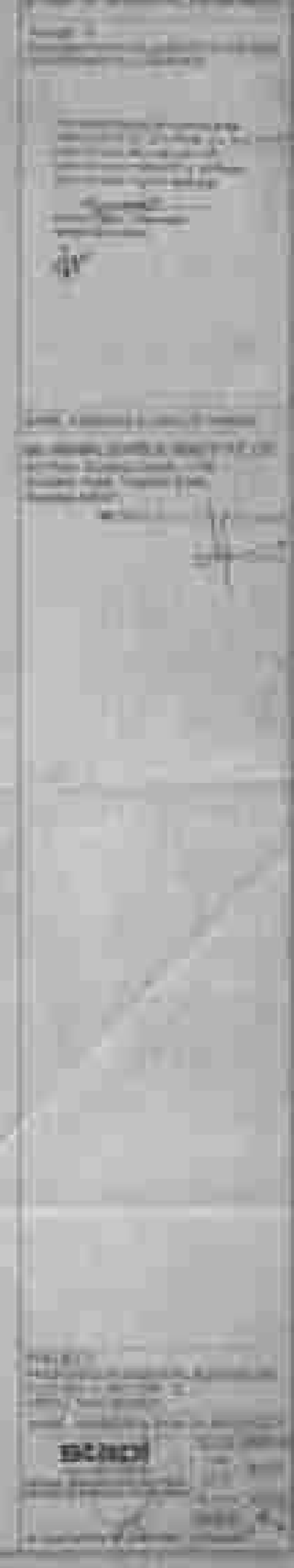
1st Floor Plan & Sectional View



2nd Floor Plan & Sectional View



Room No.	Room Name	Area (sq. ft.)	Volume (cu. ft.)
1	Entrance	100	1000
2	Reception	200	2000
3	Waiting Room	300	3000
4	Office	400	4000
5	Conference Room	500	5000
6	Meeting Room	600	6000
7	Training Room	700	7000
8	Storage Room	800	8000
9	Restroom	900	9000
10	Kitchen	1000	10000
11	Dining Room	1100	11000
12	Breakfast Room	1200	12000
13	Living Room	1300	13000
14	Bedroom	1400	14000
15	Bathroom	1500	15000
16	Garage	1600	16000
17	Storage Room	1700	17000
18	Office	1800	18000
19	Conference Room	1900	19000
20	Meeting Room	2000	20000
21	Training Room	2100	21000
22	Storage Room	2200	22000
23	Restroom	2300	23000
24	Kitchen	2400	24000
25	Dining Room	2500	25000
26	Breakfast Room	2600	26000
27	Living Room	2700	27000
28	Bedroom	2800	28000
29	Bathroom	2900	29000
30	Garage	3000	30000
31	Storage Room	3100	31000
32	Office	3200	32000
33	Conference Room	3300	33000
34	Meeting Room	3400	34000
35	Training Room	3500	35000
36	Storage Room	3600	36000
37	Restroom	3700	37000
38	Kitchen	3800	38000
39	Dining Room	3900	39000
40	Breakfast Room	4000	40000
41	Living Room	4100	41000
42	Bedroom	4200	42000
43	Bathroom	4300	43000
44	Garage	4400	44000
45	Storage Room	4500	45000
46	Office	4600	46000
47	Conference Room	4700	47000
48	Meeting Room	4800	48000
49	Training Room	4900	49000
50	Storage Room	5000	50000
51	Restroom	5100	51000
52	Kitchen	5200	52000
53	Dining Room	5300	53000
54	Breakfast Room	5400	54000
55	Living Room	5500	55000
56	Bedroom	5600	56000
57	Bathroom	5700	57000
58	Garage	5800	58000
59	Storage Room	5900	59000
60	Office	6000	60000
61	Conference Room	6100	61000
62	Meeting Room	6200	62000
63	Training Room	6300	63000
64	Storage Room	6400	64000
65	Restroom	6500	65000
66	Kitchen	6600	66000
67	Dining Room	6700	67000
68	Breakfast Room	6800	68000
69	Living Room	6900	69000
70	Bedroom	7000	70000
71	Bathroom	7100	71000
72	Garage	7200	72000
73	Storage Room	7300	73000
74	Office	7400	74000
75	Conference Room	7500	75000
76	Meeting Room	7600	76000
77	Training Room	7700	77000
78	Storage Room	7800	78000
79	Restroom	7900	79000
80	Kitchen	8000	80000
81	Dining Room	8100	81000
82	Breakfast Room	8200	82000
83	Living Room	8300	83000
84	Bedroom	8400	84000
85	Bathroom	8500	85000
86	Garage	8600	86000
87	Storage Room	8700	87000
88	Office	8800	88000
89	Conference Room	8900	89000
90	Meeting Room	9000	90000
91	Training Room	9100	91000
92	Storage Room	9200	92000
93	Restroom	9300	93000
94	Kitchen	9400	94000
95	Dining Room	9500	95000
96	Breakfast Room	9600	96000
97	Living Room	9700	97000
98	Bedroom	9800	98000
99	Bathroom	9900	99000
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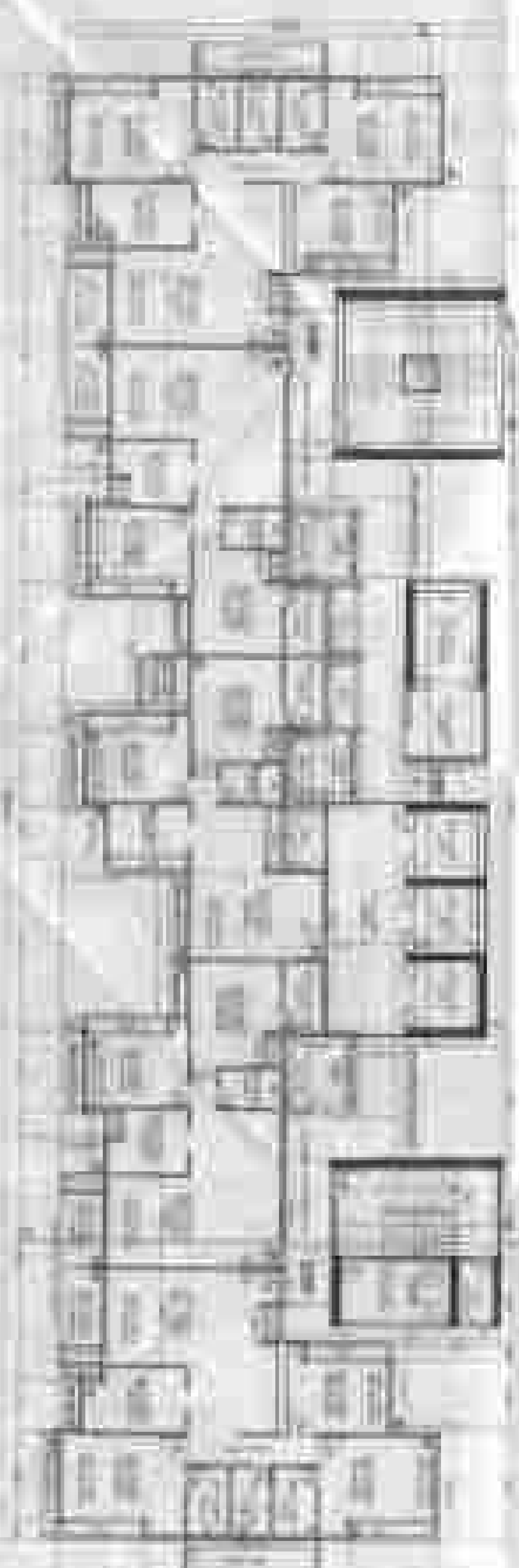
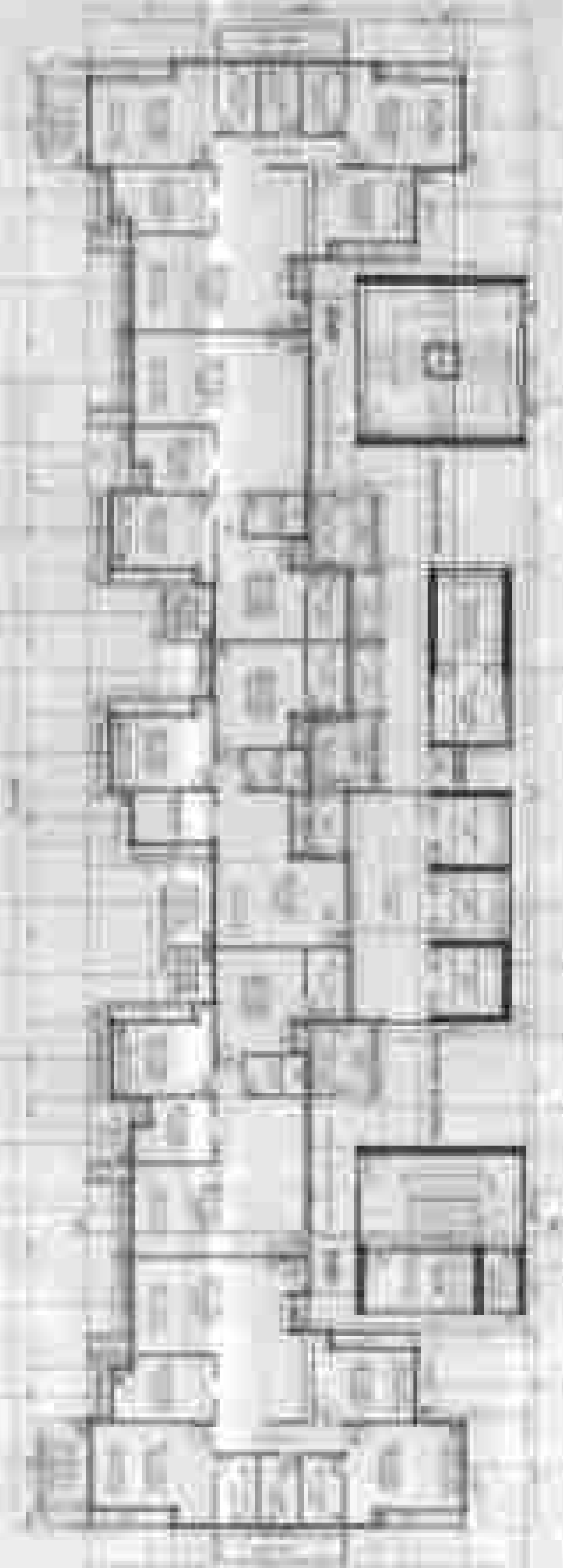
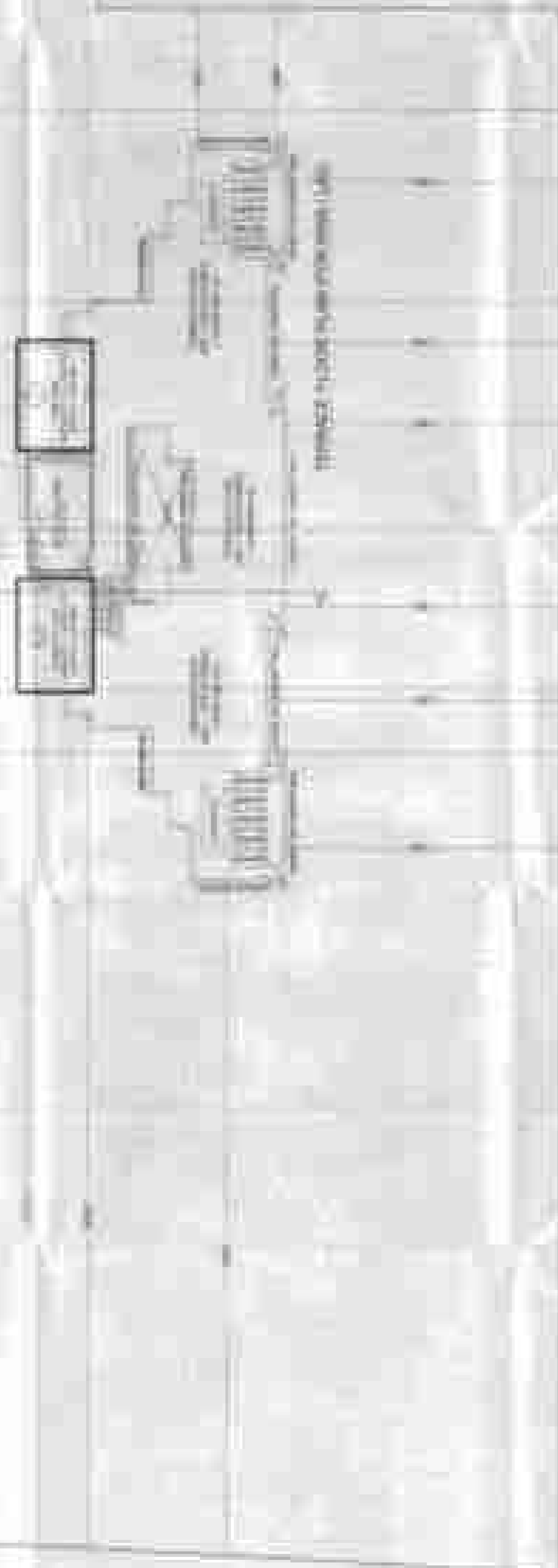


1. Name of person, institution, or organization
 2. Date
 3. Address
 4. City
 5. State
 6. Zip
 7. Country
 8. Telephone
 9. Fax
 10. E-mail
 11. Other

12. Name of person, institution, or organization
 13. Date
 14. Address
 15. City
 16. State
 17. Zip
 18. Country
 19. Telephone
 20. Fax
 21. E-mail
 22. Other

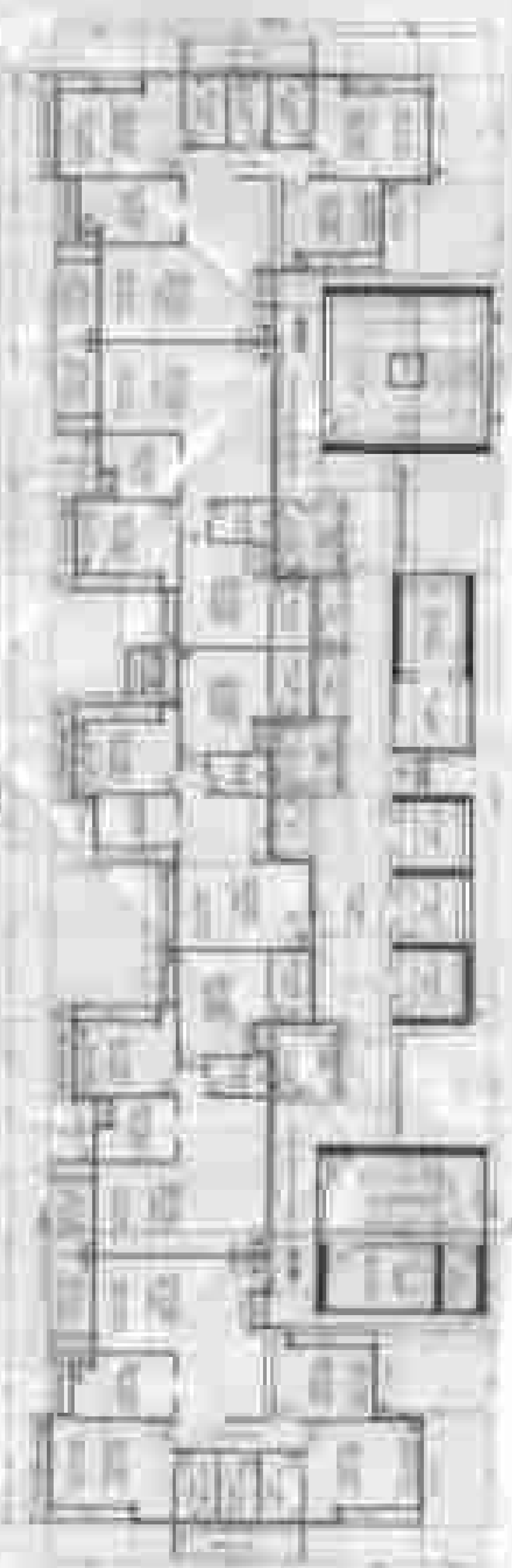
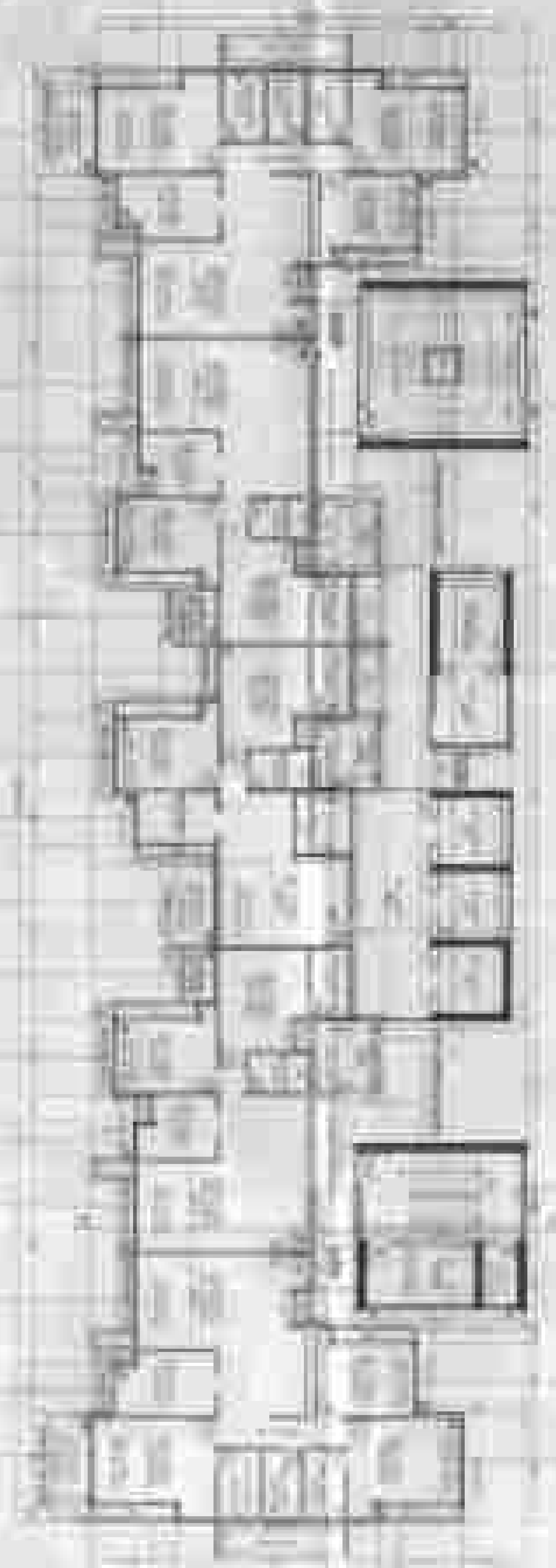
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 24. Date
 25. Address
 26. City
 27. State
 28. Zip
 29. Country
 30. Telephone
 31. Fax
 32. E-mail
 33. Other

34. Name of person, institution, or organization
 35. Date
 36. Address
 37. City
 38. State
 39. Zip
 40. Country
 41. Telephone
 42. Fax
 43. E-mail
 44. Other

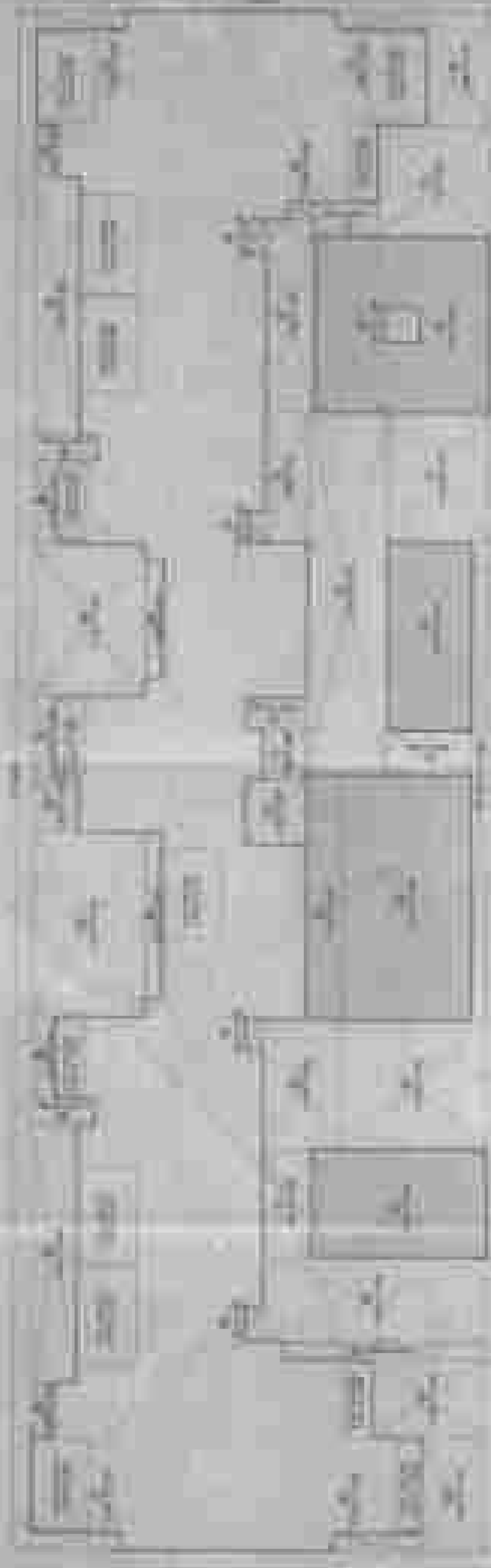


45. Name of person, institution, or organization
 46. Date
 47. Address
 48. City
 49. State
 50. Zip
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 52. Telephone
 53. Fax
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 55. Other

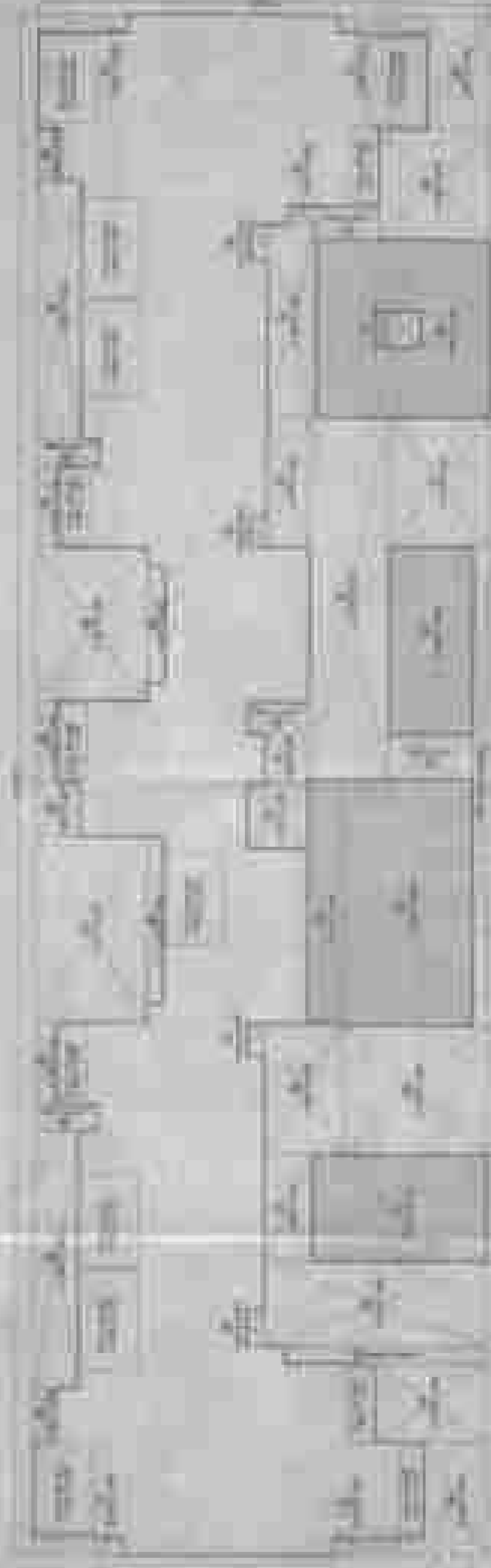
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Project Name: [Project Name] Project Location: [Project Location] Project Status: [Project Status]



MEASUREMENTS	
Input Voltage (V)	240
Output Voltage (V)	100
Output Current (A)	0.01
Regulation (%)	10
Efficiency (%)	80
Power Factor (PF)	0.8
THD (%)	5
Frequency (Hz)	50
Temperature (°C)	25
Humidity (%)	50
Pressure (kPa)	101.3
Altitude (m)	0
Speed (m/s)	0
Acceleration (m/s²)	0
Angular Velocity (rad/s)	0
Angular Acceleration (rad/s²)	0
Displacement (m)	0
Force (N)	0
Moment (Nm)	0
Power (W)	0
Energy (J)	0
Impulse (Ns)	0
Stress (Pa)	0
Strain (mm/mm)	0
Modulus (Pa)	0
Poisson's Ratio	0
Thermal Expansion (mm/mm/°C)	0
Thermal Conductivity (W/mK)	0
Thermal Capacity (J/kgK)	0
Thermal Resistance (K/W)	0
Thermal Time Constant (s)	0
Thermal Shock (K/s)	0
Thermal Fatigue (K/cycle)	0
Thermal Creep (mm/mm/°C/h)	0
Thermal Relaxation (mm/mm/°C/h)	0
Thermal Aging (mm/mm/°C/h)	0
Thermal Stability (mm/mm/°C/h)	0
Thermal Compatibility (mm/mm/°C/h)	0
Thermal Interference (mm/mm/°C/h)	0
Thermal Distortion (mm/mm/°C/h)	0
Thermal Deformation (mm/mm/°C/h)	0
Thermal Strain (mm/mm/°C/h)	0
Thermal Stress (Pa/°C/h)	0
Thermal Force (N/°C/h)	0
Thermal Moment (Nm/°C/h)	0
Thermal Power (W/°C/h)	0
Thermal Energy (J/°C/h)	0
Thermal Impulse (Ns/°C/h)	0
Thermal Stress Rate (Pa/s)	0
Thermal Strain Rate (mm/mm/s)	0
Thermal Force Rate (N/s)	0
Thermal Moment Rate (Nm/s)	0
Thermal Power Rate (W/s)	0
Thermal Energy Rate (J/s)	0
Thermal Impulse Rate (Ns/s)	0
Thermal Stress Change (Pa)	0
Thermal Strain Change (mm/mm)	0
Thermal Force Change (N)	0
Thermal Moment Change (Nm)	0
Thermal Power Change (W)	0
Thermal Energy Change (J)	0
Thermal Impulse Change (Ns)	0
Thermal Stress Difference (Pa)	0
Thermal Strain Difference (mm/mm)	0
Thermal Force Difference (N)	0
Thermal Moment Difference (Nm)	0
Thermal Power Difference (W)	0
Thermal Energy Difference (J)	0
Thermal Impulse Difference (Ns)	0
Thermal Stress Ratio	0
Thermal Strain Ratio	0
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Thermal Moment Ratio	0
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Thermal Force Average	0
Thermal Moment Average	0
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Thermal Energy Average	0
Thermal Impulse Average	0
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Thermal Strain Minimum	0
Thermal Force Minimum	0
Thermal Moment Minimum	0
Thermal Power Minimum	0
Thermal Energy Minimum	0
Thermal Impulse Minimum	0
Thermal Stress Maximum	0
Thermal Strain Maximum	0
Thermal Force Maximum	0
Thermal Moment Maximum	0
Thermal Power Maximum	0
Thermal Energy Maximum	0
Thermal Impulse Maximum	0



MEASUREMENTS	
Input Voltage (V)	240
Output Voltage (V)	100
Output Current (A)	0.01
Regulation (%)	10
Efficiency (%)	80
Power Factor (PF)	0.8
THD (%)	5
Frequency (Hz)	50
Temperature (°C)	25
Humidity (%)	50
Pressure (kPa)	101.3
Altitude (m)	0
Speed (m/s)	0
Acceleration (m/s²)	0
Angular Velocity (rad/s)	0
Angular Acceleration (rad/s²)	0
Displacement (m)	0
Force (N)	0
Moment (Nm)	0
Power (W)	0
Energy (J)	0
Impulse (Ns)	0
Stress (Pa)	0
Strain (mm/mm)	0
Modulus (Pa)	0
Poisson's Ratio	0
Thermal Expansion (mm/mm/°C)	0
Thermal Conductivity (W/mK)	0
Thermal Capacity (J/kgK)	0
Thermal Resistance (K/W)	0
Thermal Time Constant (s)	0
Thermal Shock (K/s)	0
Thermal Fatigue (K/cycle)	0
Thermal Creep (mm/mm/°C/h)	0
Thermal Relaxation (mm/mm/°C/h)	0
Thermal Aging (mm/mm/°C/h)	0
Thermal Stability (mm/mm/°C/h)	0
Thermal Compatibility (mm/mm/°C/h)	0
Thermal Interference (mm/mm/°C/h)	0
Thermal Distortion (mm/mm/°C/h)	0
Thermal Deformation (mm/mm/°C/h)	0
Thermal Strain (mm/mm/°C/h)	0
Thermal Stress (Pa/°C/h)	0
Thermal Force (N/°C/h)	0
Thermal Moment (Nm/°C/h)	0
Thermal Power (W/°C/h)	0
Thermal Energy (J/°C/h)	0
Thermal Impulse (Ns/°C/h)	0
Thermal Stress Rate (Pa/s)	0
Thermal Strain Rate (mm/mm/s)	0
Thermal Force Rate (N/s)	0
Thermal Moment Rate (Nm/s)	0
Thermal Power Rate (W/s)	0
Thermal Energy Rate (J/s)	0
Thermal Impulse Rate (Ns/s)	0
Thermal Stress Change (Pa)	0
Thermal Strain Change (mm/mm)	0
Thermal Force Change (N)	0
Thermal Moment Change (Nm)	0
Thermal Power Change (W)	0
Thermal Energy Change (J)	0
Thermal Impulse Change (Ns)	0
Thermal Stress Difference (Pa)	0
Thermal Strain Difference (mm/mm)	0
Thermal Force Difference (N)	0
Thermal Moment Difference (Nm)	0
Thermal Power Difference (W)	0
Thermal Energy Difference (J)	0
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Thermal Stress Maximum	0
Thermal Strain Maximum	0
Thermal Force Maximum	0
Thermal Moment Maximum	0
Thermal Power Maximum	0
Thermal Energy Maximum	0
Thermal Impulse Maximum	0

Handwritten notes and signatures in the bottom right corner.

Handwritten notes and signatures in the bottom middle section.

Handwritten notes and signatures in the bottom left corner.

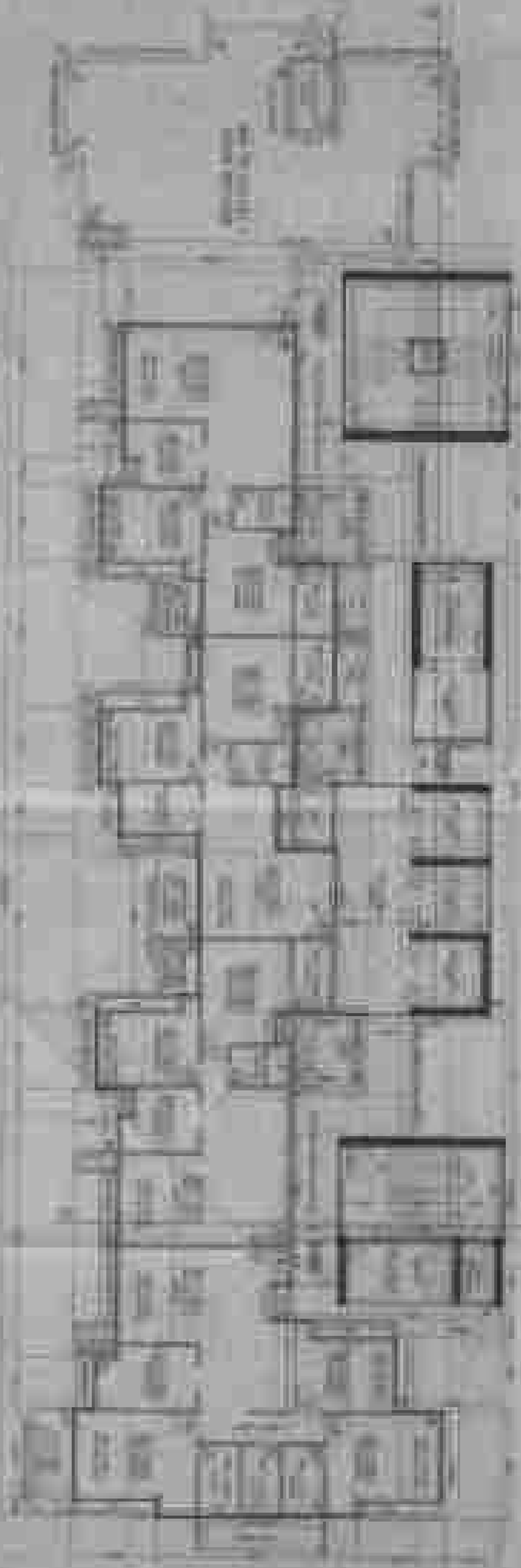


Figure 1: Floor plan of the building

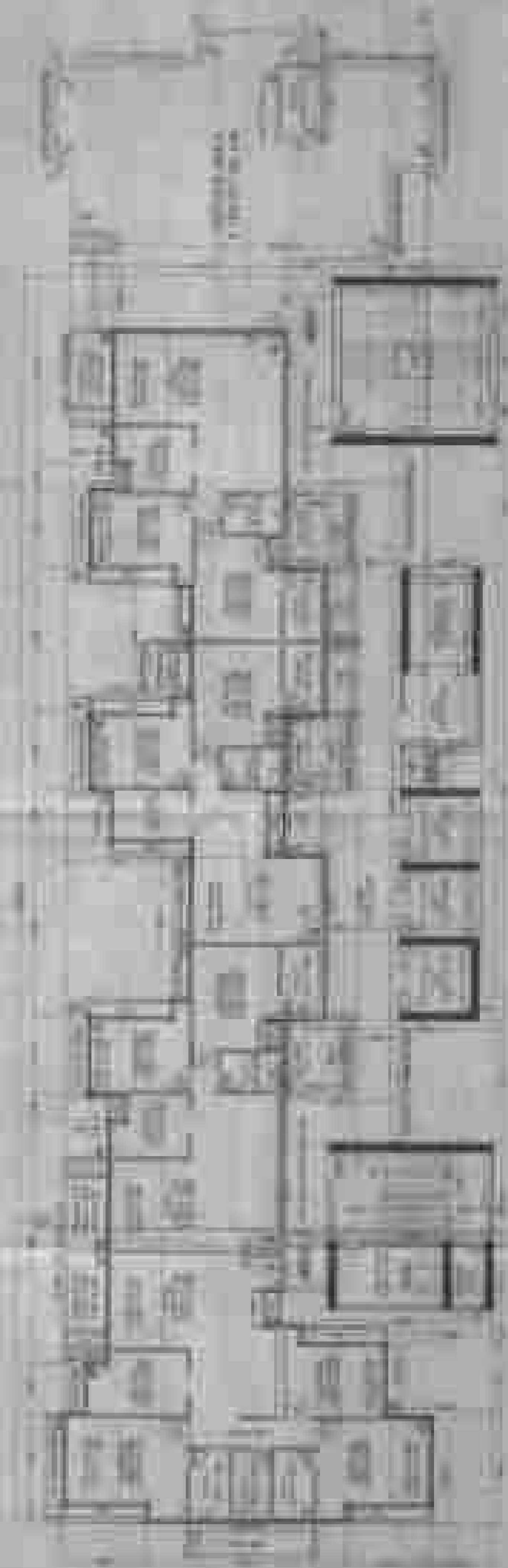
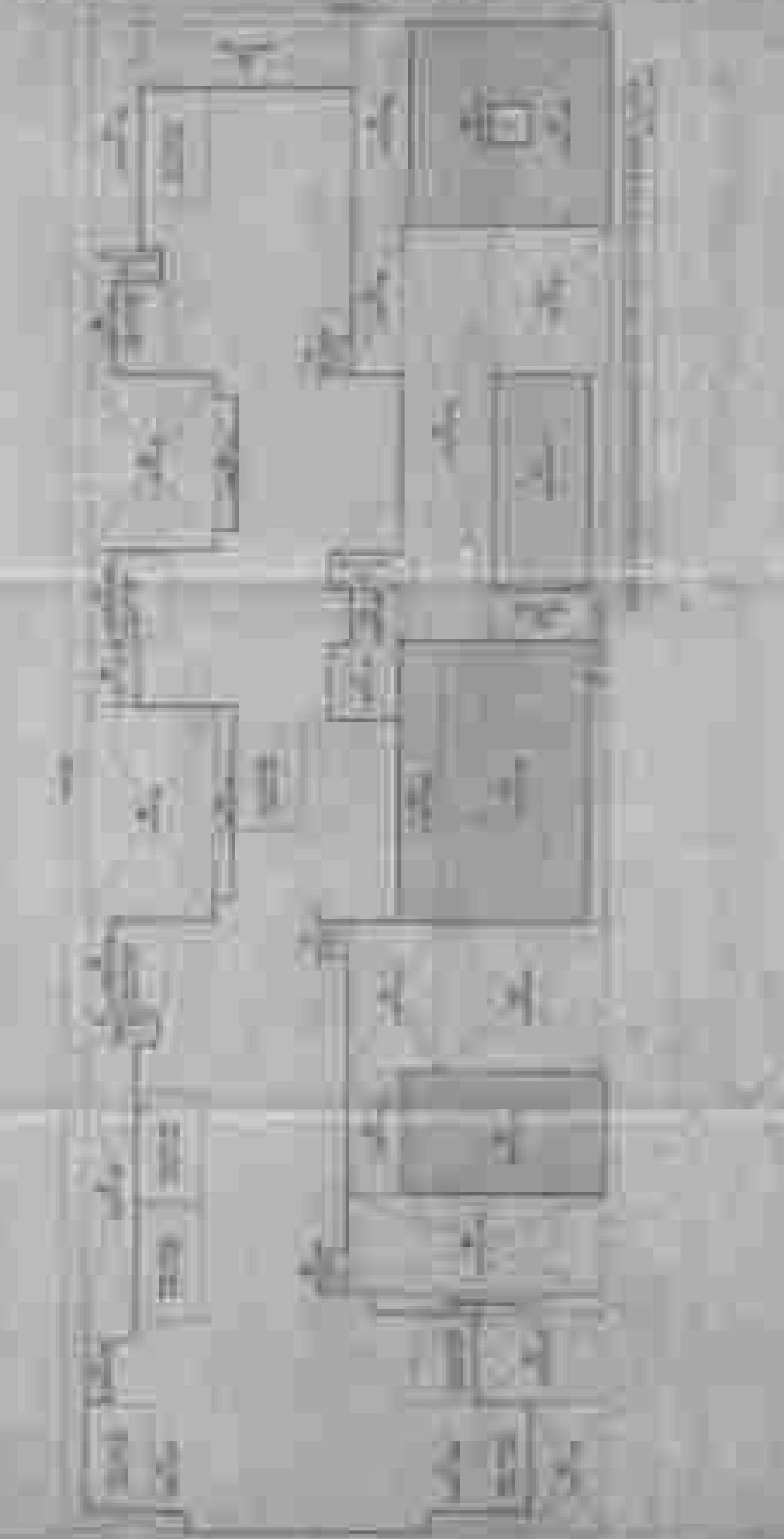
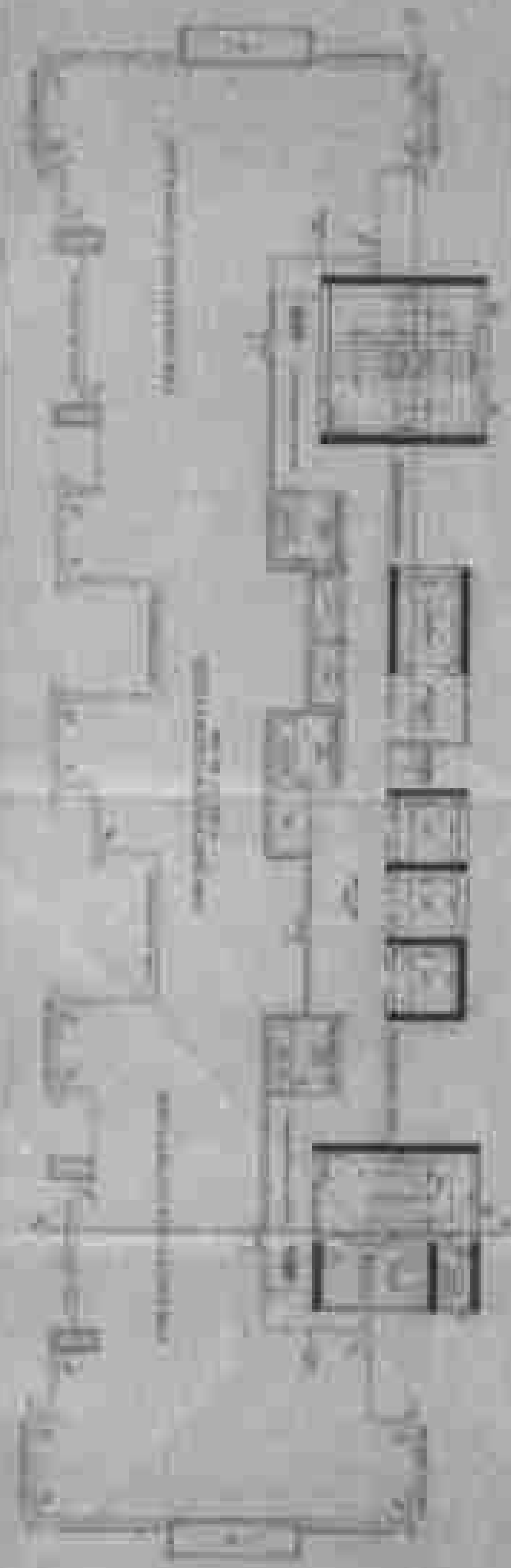


Figure 2: Floor plan of the building

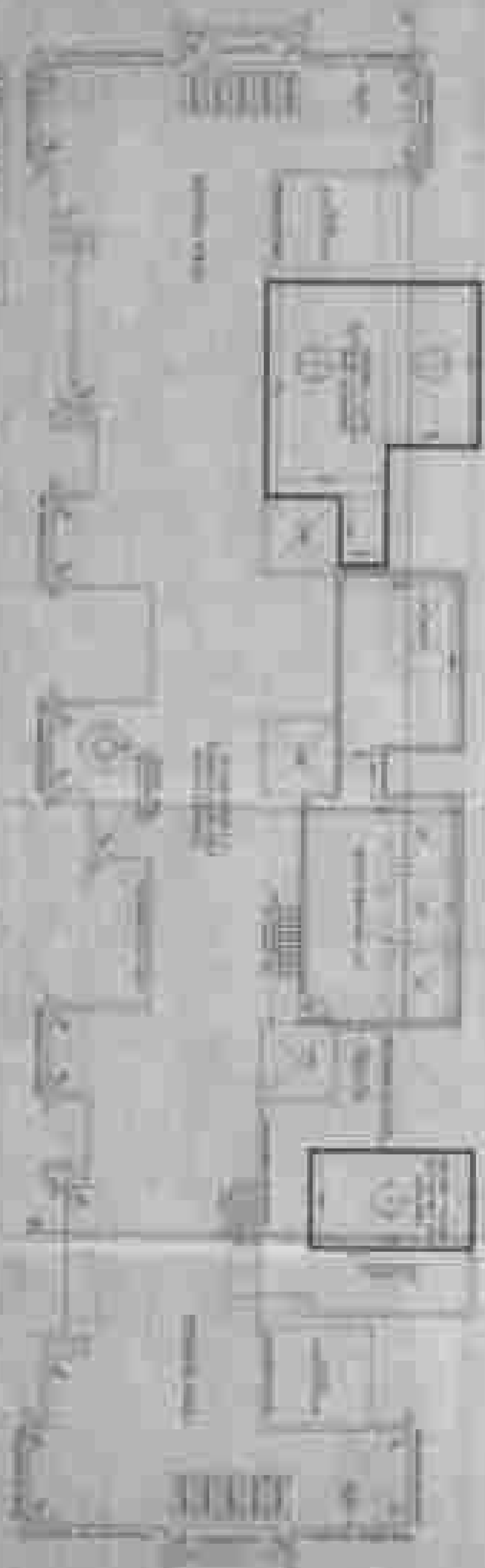
Room	Area (m²)	Volume (m³)	Height (m)	Number of people	Notes
1	10.0	30.0	3.0	10	Living room
2	10.0	30.0	3.0	10	Living room
3	10.0	30.0	3.0	10	Living room
4	10.0	30.0	3.0	10	Living room
5	10.0	30.0	3.0	10	Living room
6	10.0	30.0	3.0	10	Living room
7	10.0	30.0	3.0	10	Living room
8	10.0	30.0	3.0	10	Living room
9	10.0	30.0	3.0	10	Living room
10	10.0	30.0	3.0	10	Living room
11	10.0	30.0	3.0	10	Living room
12	10.0	30.0	3.0	10	Living room
13	10.0	30.0	3.0	10	Living room
14	10.0	30.0	3.0	10	Living room
15	10.0	30.0	3.0	10	Living room
16	10.0	30.0	3.0	10	Living room
17	10.0	30.0	3.0	10	Living room
18	10.0	30.0	3.0	10	Living room
19	10.0	30.0	3.0	10	Living room
20	10.0	30.0	3.0	10	Living room



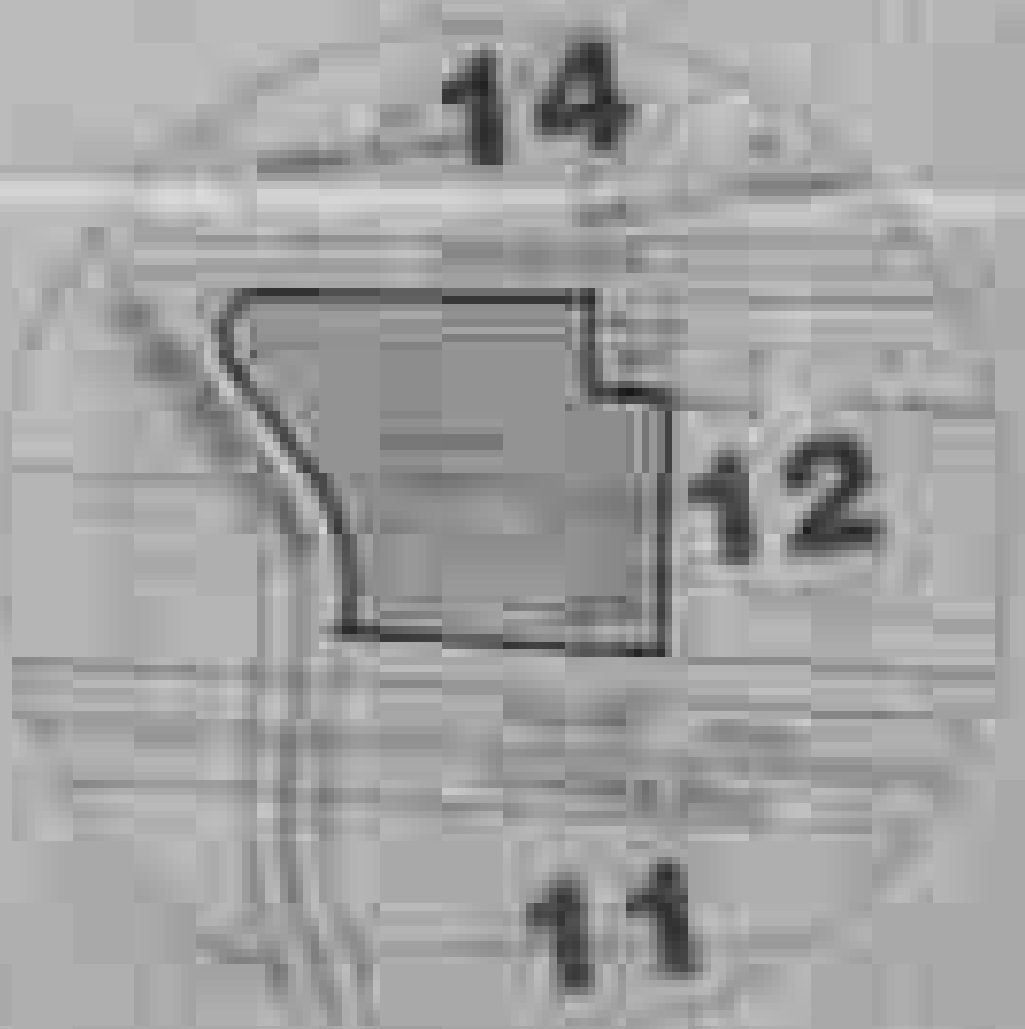
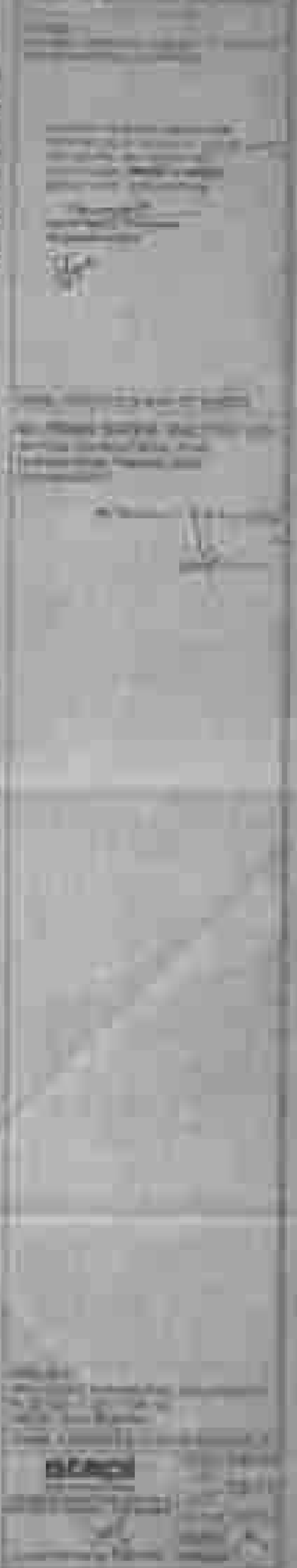
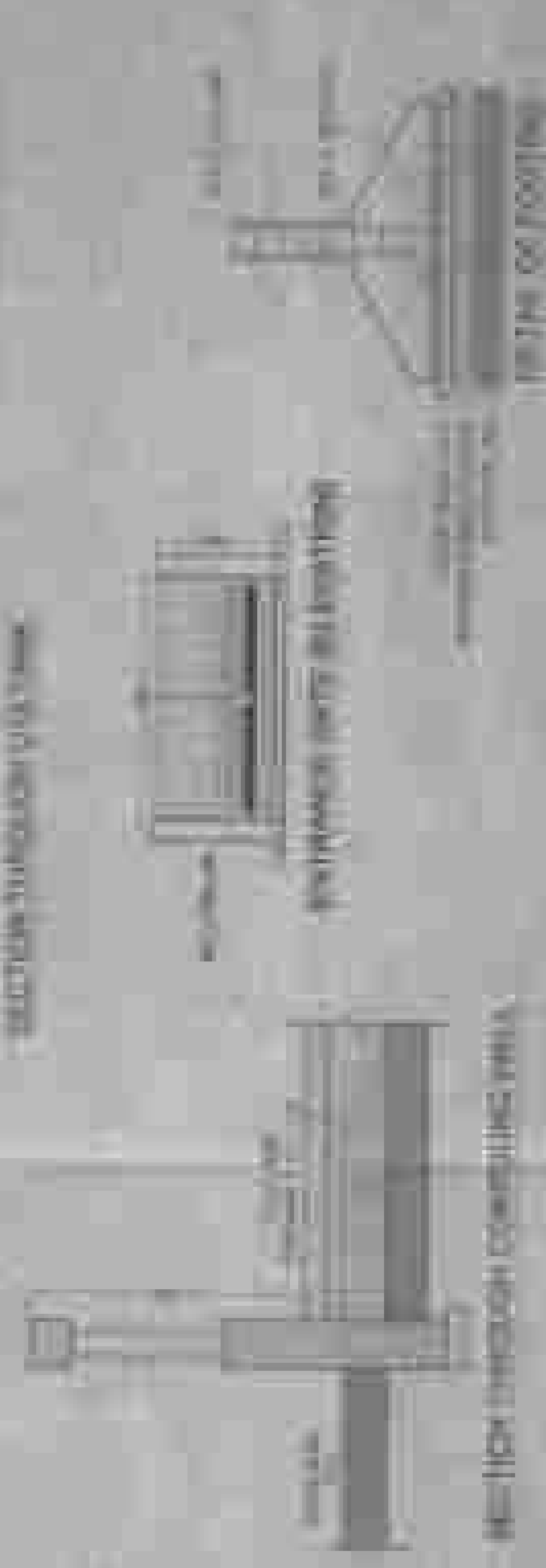
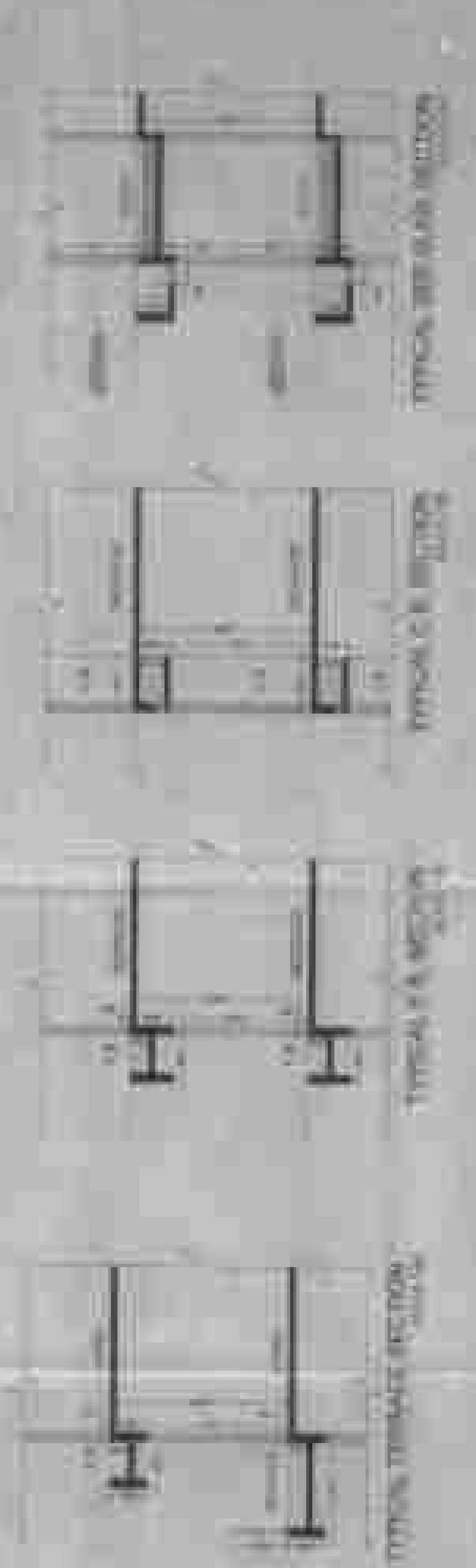
Room	Area (m²)	Volume (m³)	Height (m)	Number of people	Notes
1	10.0	30.0	3.0	10	Living room
2	10.0	30.0	3.0	10	Living room
3	10.0	30.0	3.0	10	Living room
4	10.0	30.0	3.0	10	Living room
5	10.0	30.0	3.0	10	Living room
6	10.0	30.0	3.0	10	Living room
7	10.0	30.0	3.0	10	Living room
8	10.0	30.0	3.0	10	Living room
9	10.0	30.0	3.0	10	Living room
10	10.0	30.0	3.0	10	Living room
11	10.0	30.0	3.0	10	Living room
12	10.0	30.0	3.0	10	Living room
13	10.0	30.0	3.0	10	Living room
14	10.0	30.0	3.0	10	Living room
15	10.0	30.0	3.0	10	Living room
16	10.0	30.0	3.0	10	Living room
17	10.0	30.0	3.0	10	Living room
18	10.0	30.0	3.0	10	Living room
19	10.0	30.0	3.0	10	Living room
20	10.0	30.0	3.0	10	Living room



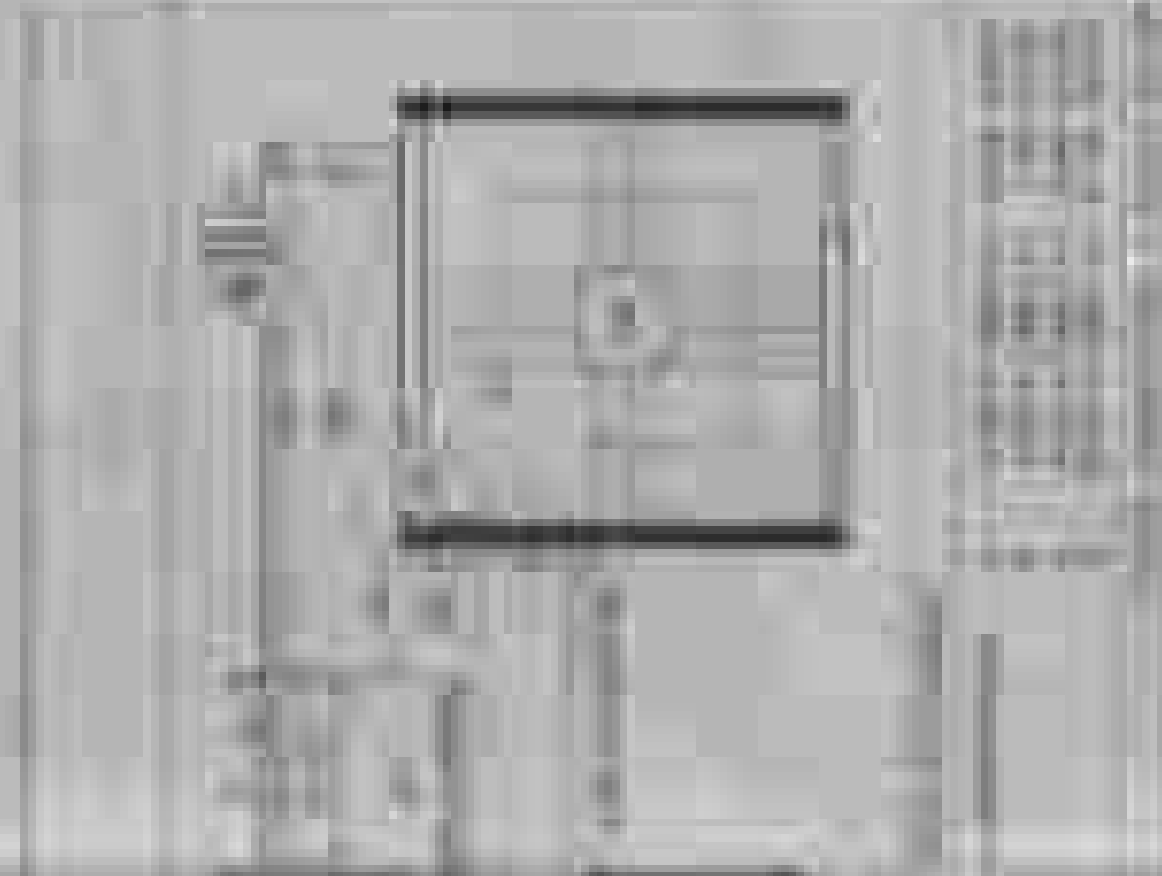
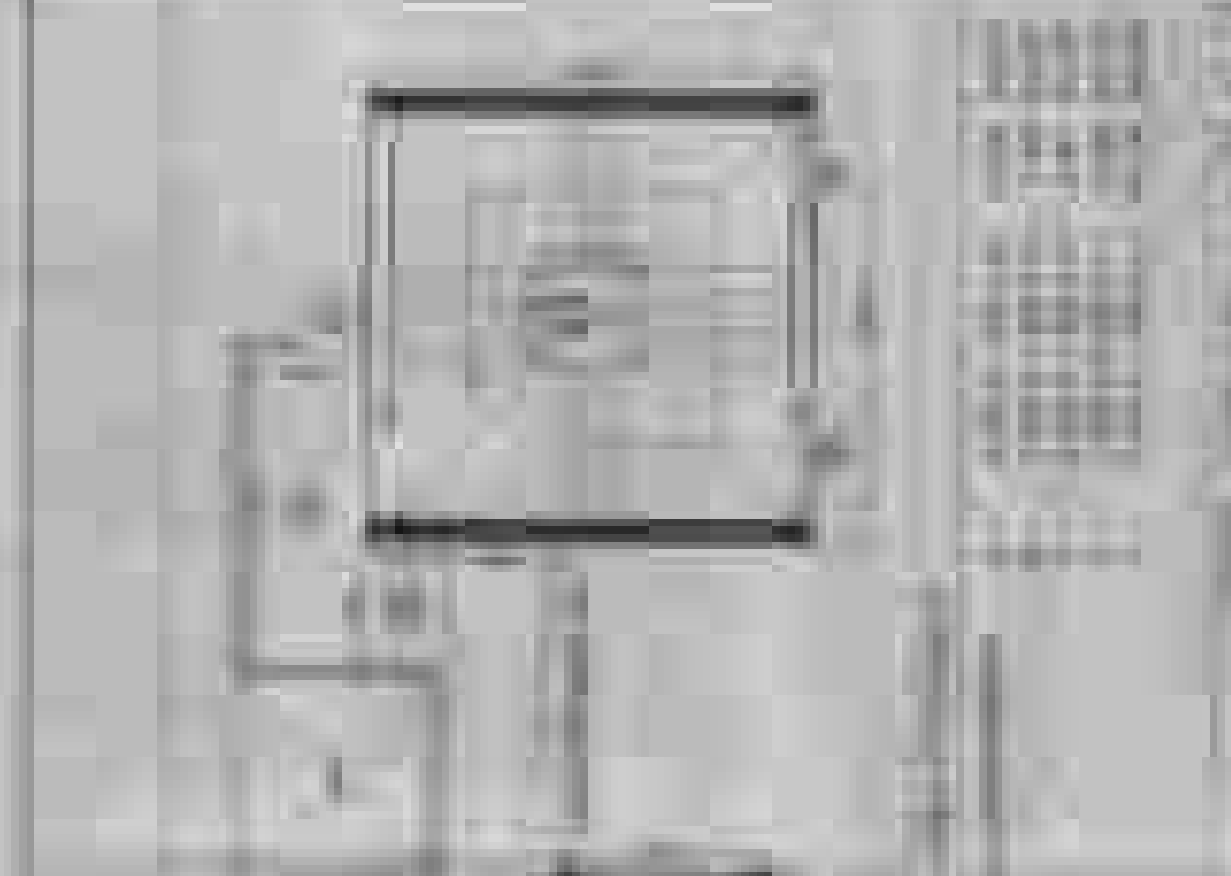
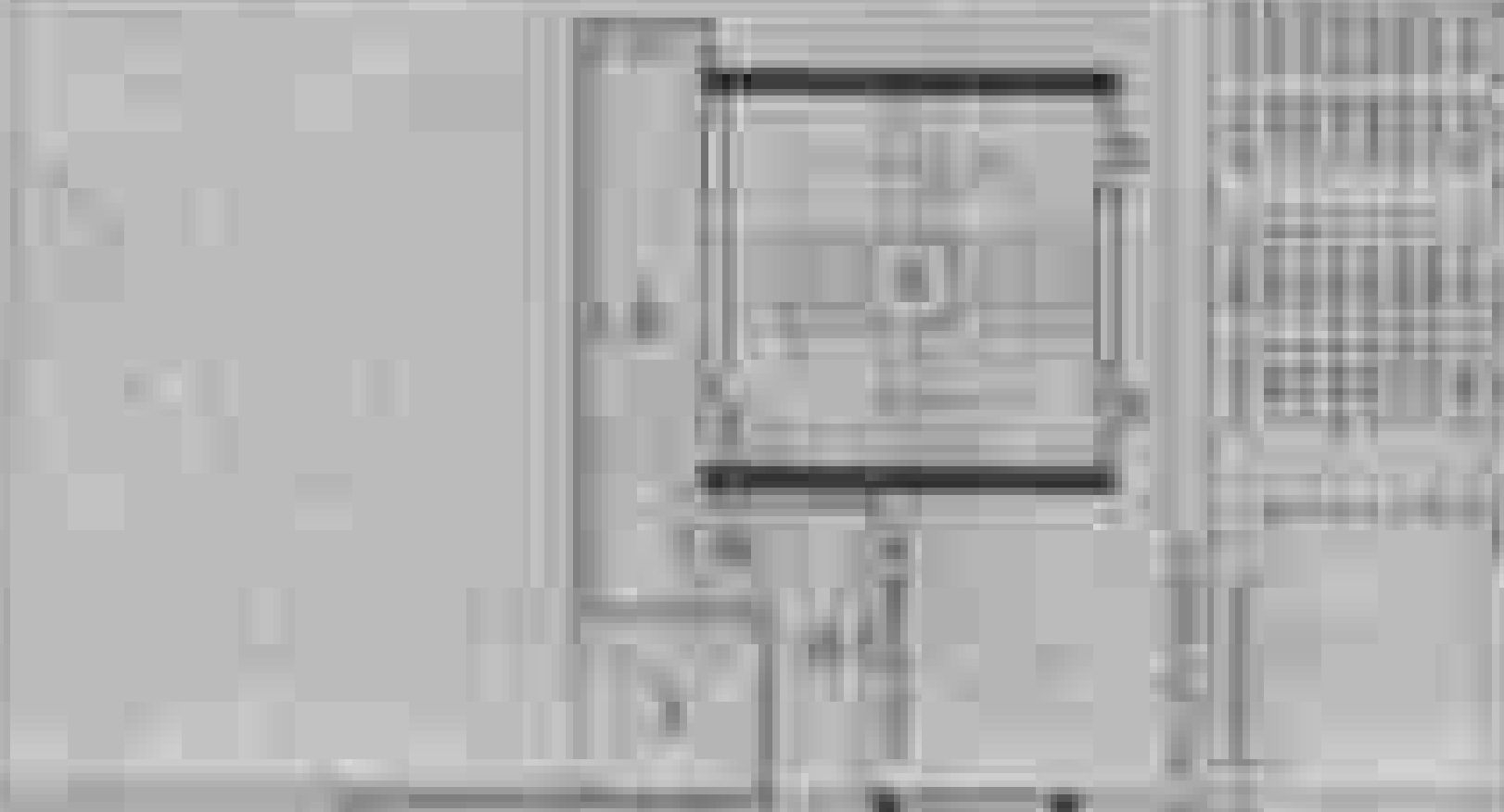
1ST FLOOR PLAN



2ND FLOOR PLAN



CROSS SECTION

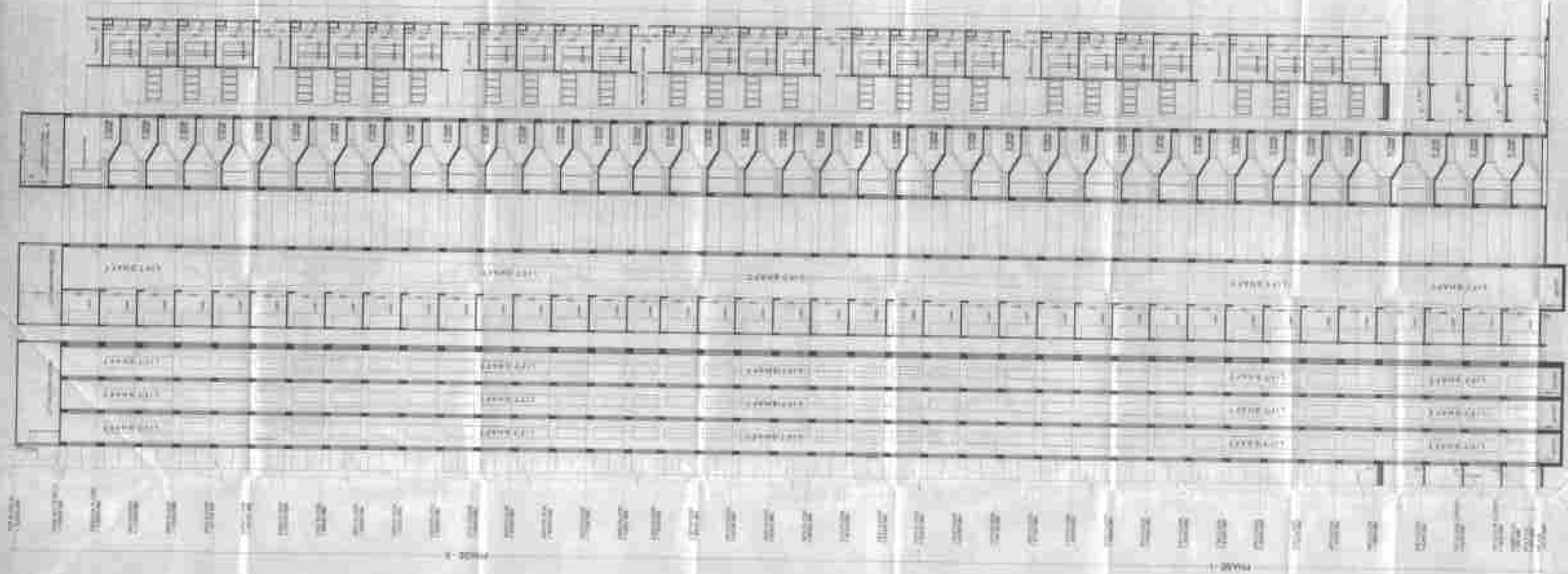
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E-mail: shashank@ucsd.edu

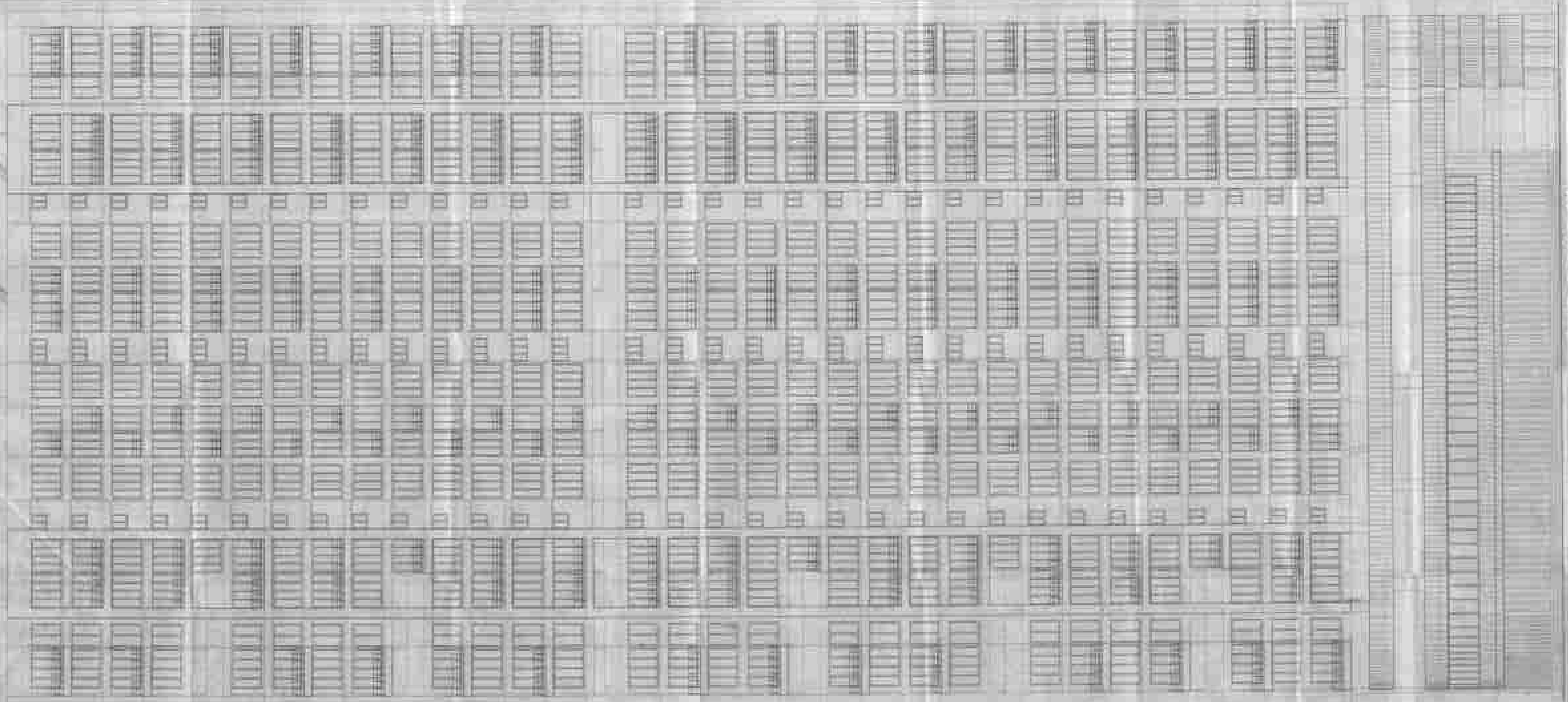
44. **Answer: D** The patient is exhibiting signs of hypoxemia, which is a common complication of pneumonia. The patient's oxygen saturation is 90%, which is below the normal range of 95-100%. The patient's respiratory rate is 24 breaths per minute, which is above the normal range of 12-20 breaths per minute. The patient's heart rate is 100 beats per minute, which is above the normal range of 60-100 beats per minute. The patient's blood pressure is 120/80 mmHg, which is within the normal range. The patient's temperature is 38.3°C (101°F), which is above the normal range of 36.1-37.8°C (97-100°F). The patient's white blood cell count is 12,000/mm³, which is above the normal range of 4,000-11,000/mm³. The patient's chest X-ray shows consolidation in the right lower lung field, which is consistent with pneumonia. The patient's sputum culture is pending.

[illegible]



1. ALL SEATING MUST BE COMPLETED BY 10:00 AM
 2. ALL SEATING MUST BE COMPLETED BY 10:00 AM
 3. ALL SEATING MUST BE COMPLETED BY 10:00 AM
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