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ican Society of Heating
& Air-conditioning Engineers

HARMON, PRAY & DETRICH

ARCHITECTS - ENGINEERS

2000 FIFTH AVENUE BUILDING

SEATTLE 1, WASHINGTON

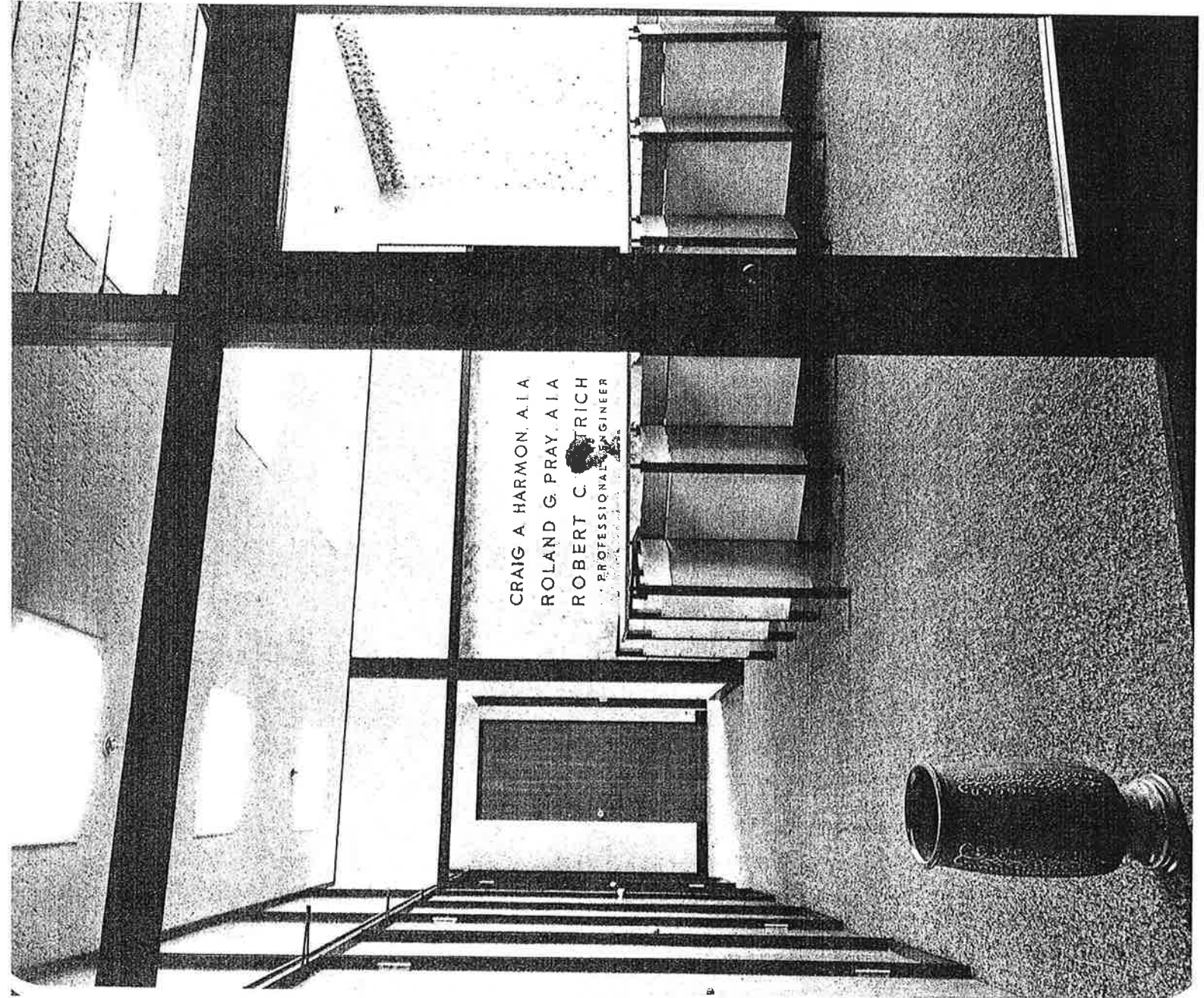
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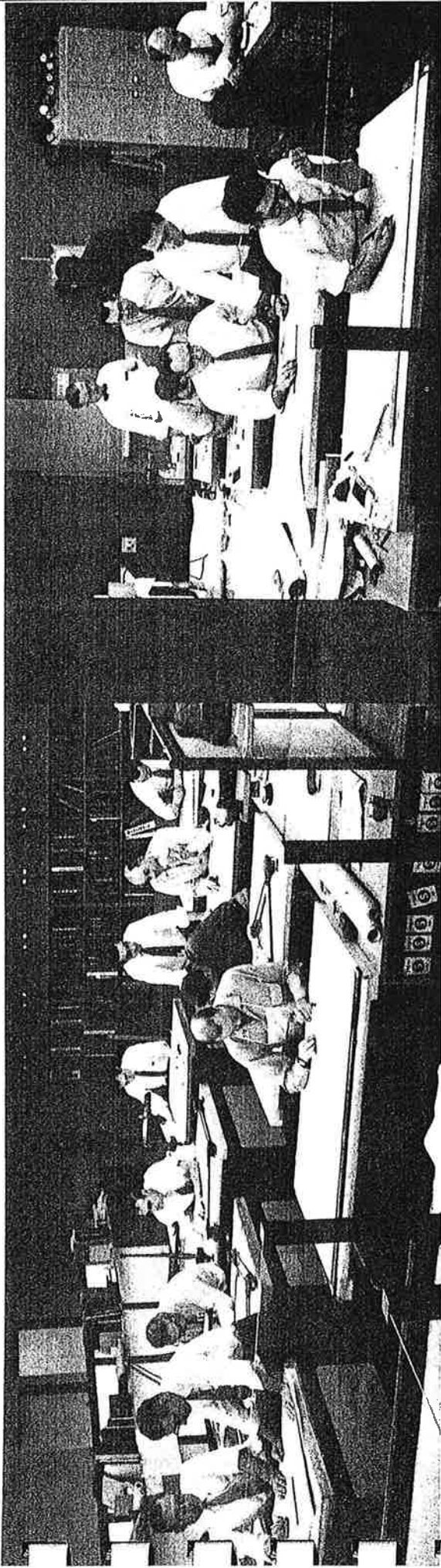
Harmon, Pray & Detrich - Architects' Reference File

ENTRANCE

INTRODUCTION...

A well designed building of today must fit its intended function completely and efficiently. It must provide a comfortable and pleasant environment for its occupants, and be easily adaptable to their changing needs. It must be economical to operate and maintain. In architectural appearance: pleasant, orderly, interesting and expressive of its purpose.





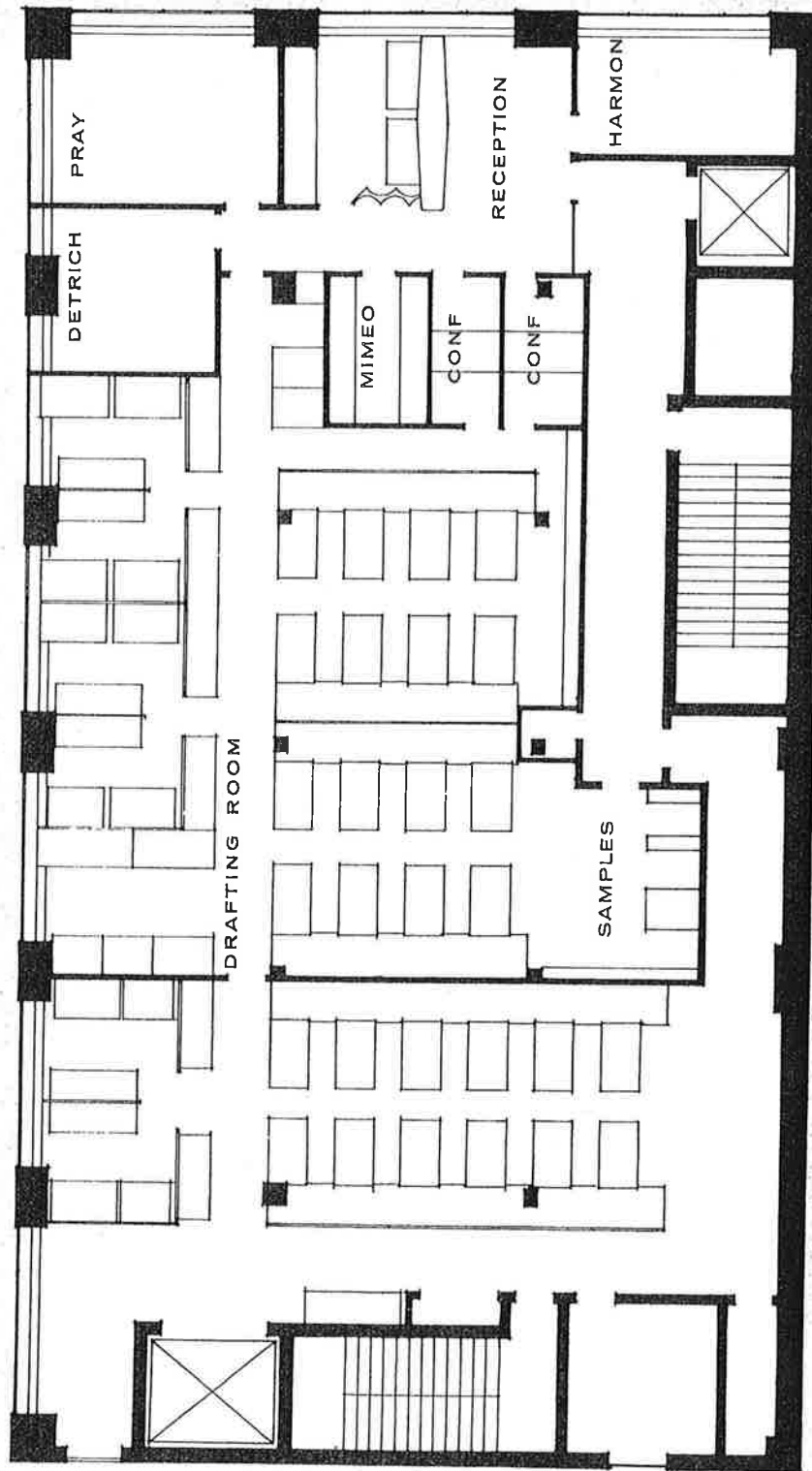
DRAFTING ROOM

It must be so designed that its cost will represent the best possible investment from every standpoint. Architects and Engineers must work closely together toward a common goal in order to achieve this result. The various branches of a design must be analyzed and developed simultaneously with a high degree

of coordination if the final design is to be well integrated and successful.

We believe that this can best be accomplished by combining the practice of Architecture and Engineering within one organization under which each consideration can be properly

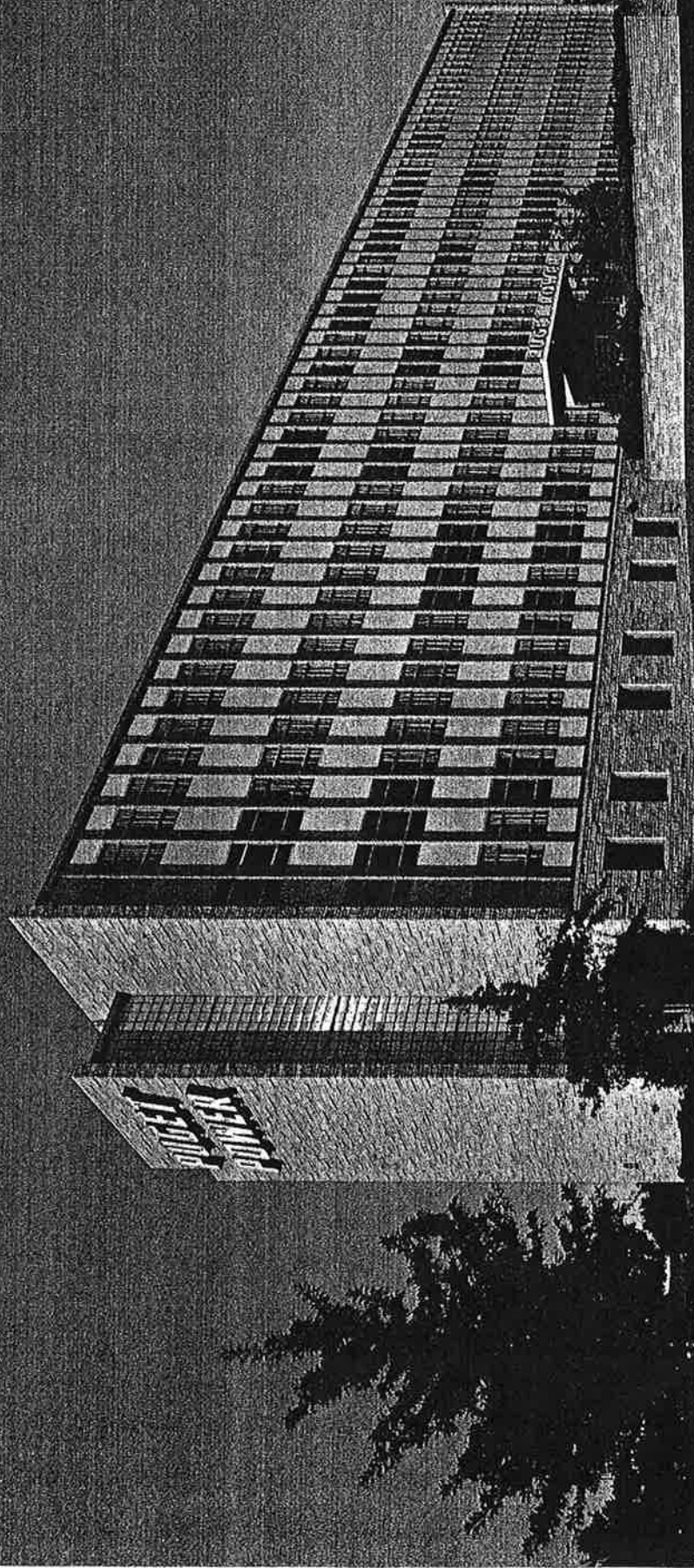
evaluated and the best final result achieved. The partnership of Harmon, Pray & Detrich was formed in 1948 for the purpose of providing a well coordinated Architectural and Engineering service in the design of buildings other than residential.



FLOOR PLAN of the office of HARMON, PRAY & DETRICH

SIXTH FLOOR, 2000 FIFTH AVENUE BUILDING

THE FOLLOWING ARE SOME REPRESENTATIVE PROJECTS...



OFFICE BUILDING for PUGET POWER, BELLEVUE, WASHINGTON

When Puget Power established its general offices in suburban Bellevue, major consideration was given to the role of the company

in the community. The building reflects this concern in its provision of community facilities such as the 200-seat auditorium, and its

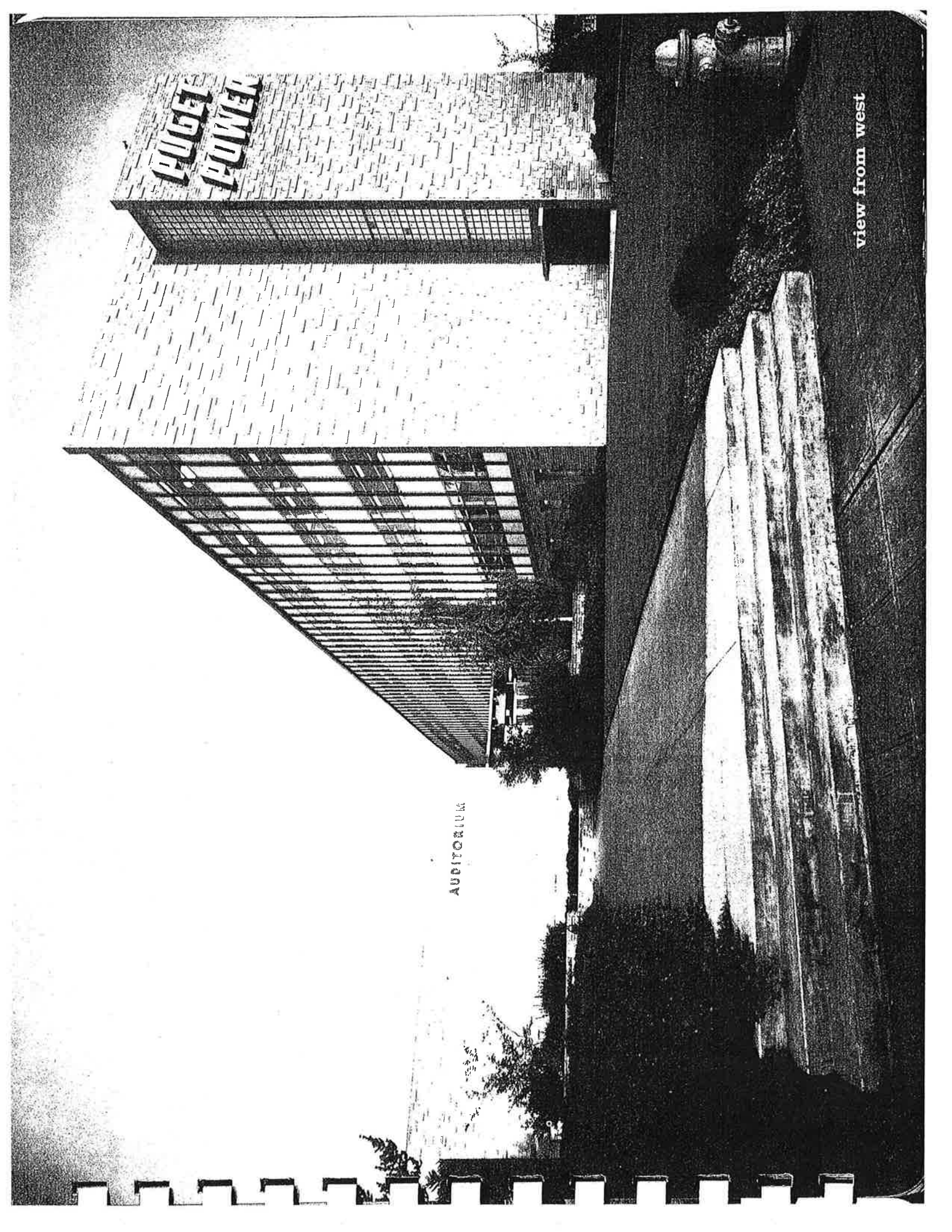
siting on a large landscaped plot with generous off-street parking.

Cost: \$1,100,000 Completed: August, 1957

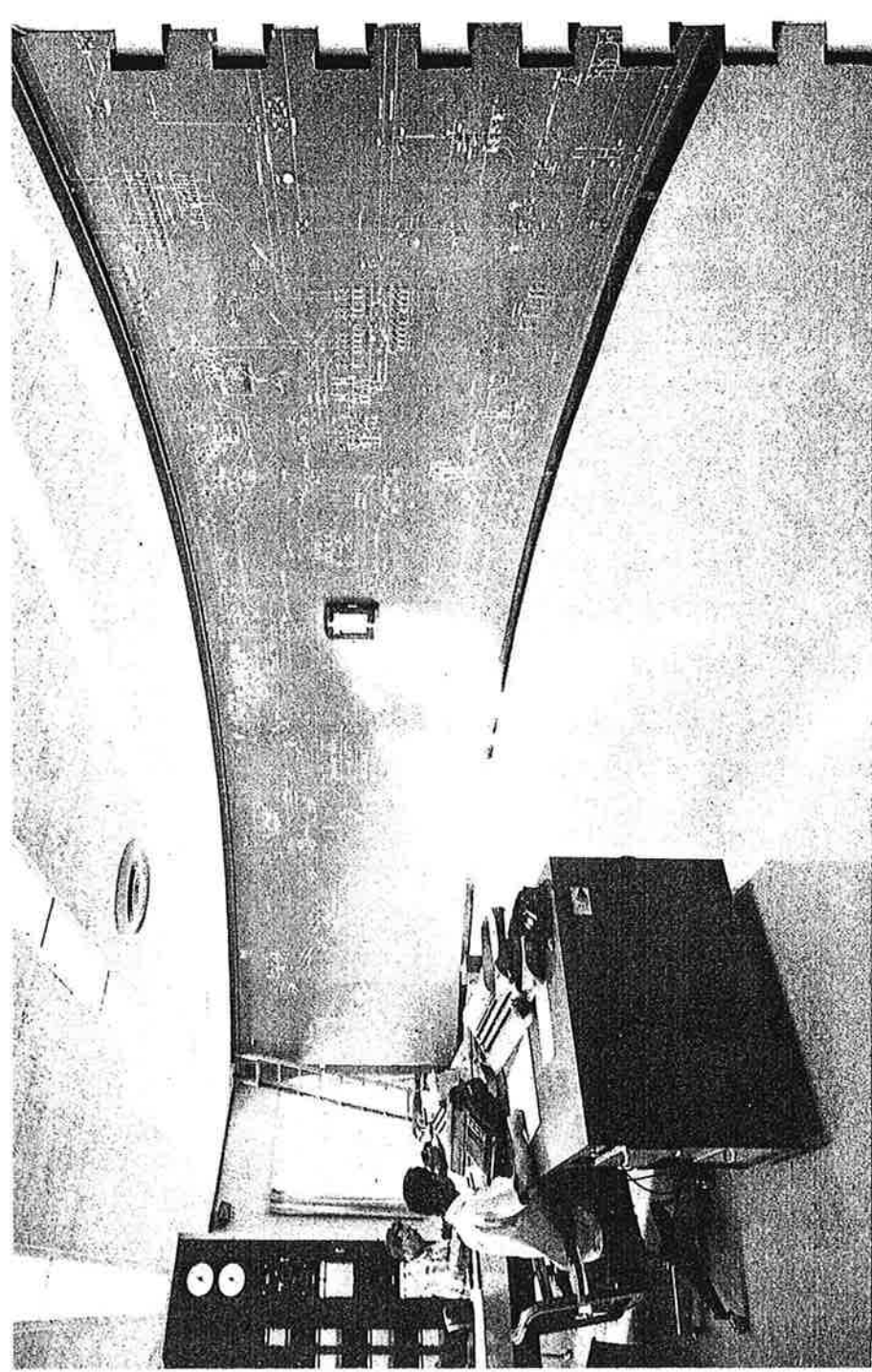
PUGET
POWER

AUDITORIUM

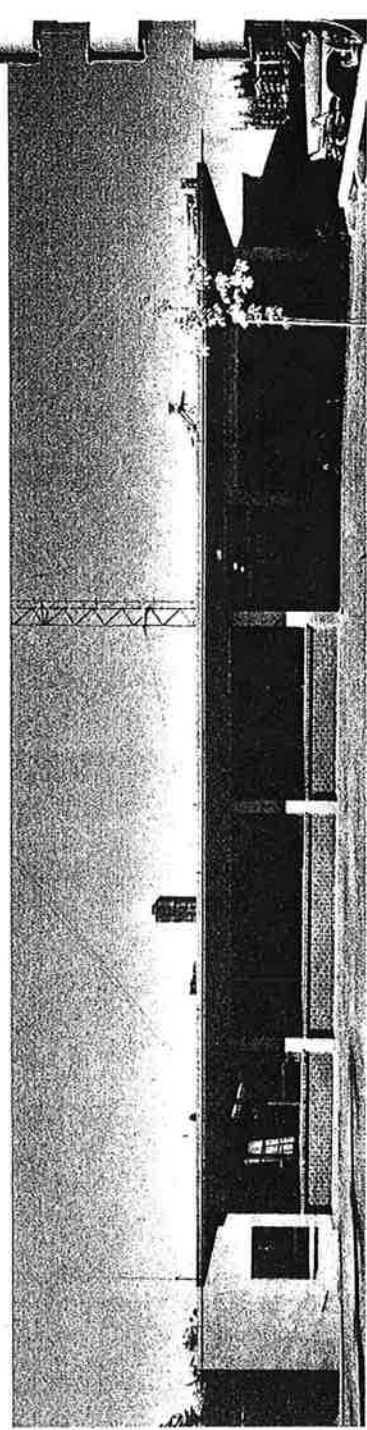
view from west

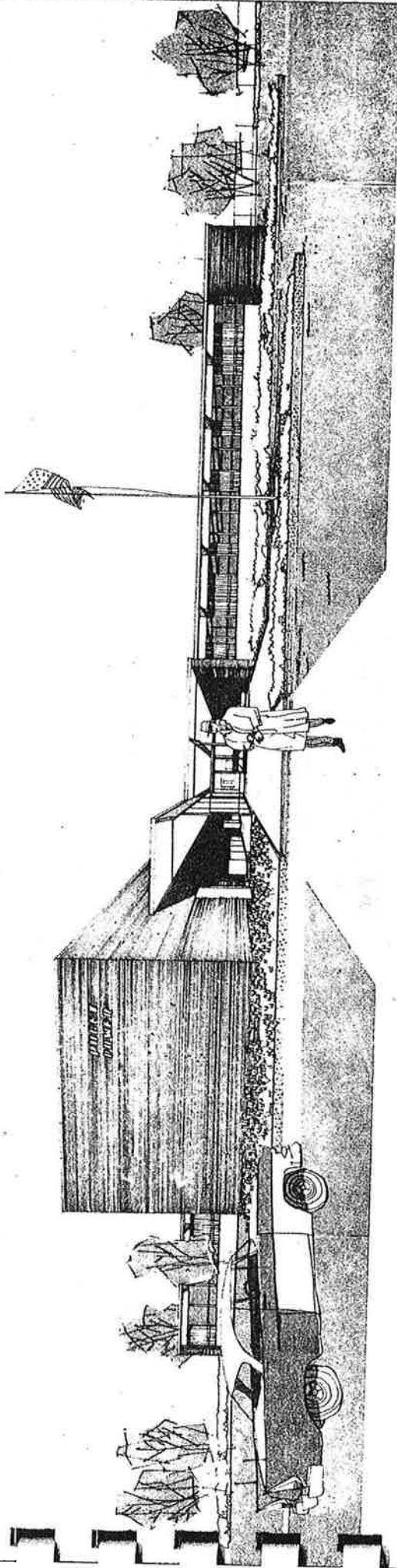


This facility coordinates power distribution for Puget Power. The curving board shown here diagrams all transmission lines and switches in the entire system.

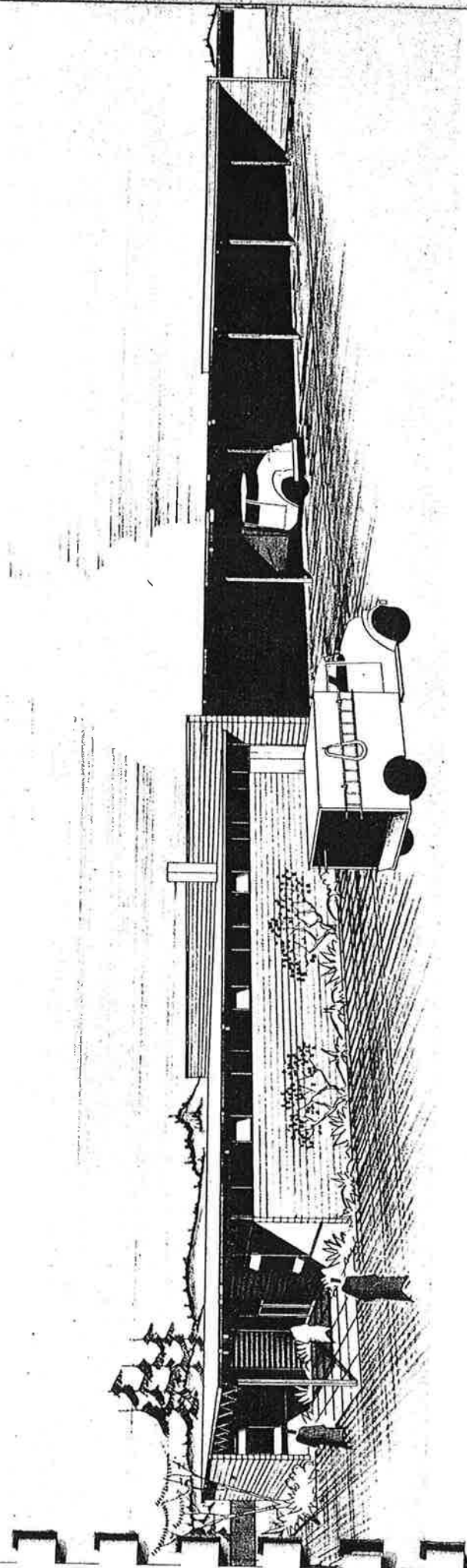


PUGET POWER EASTSIDE SWITCHING STATION

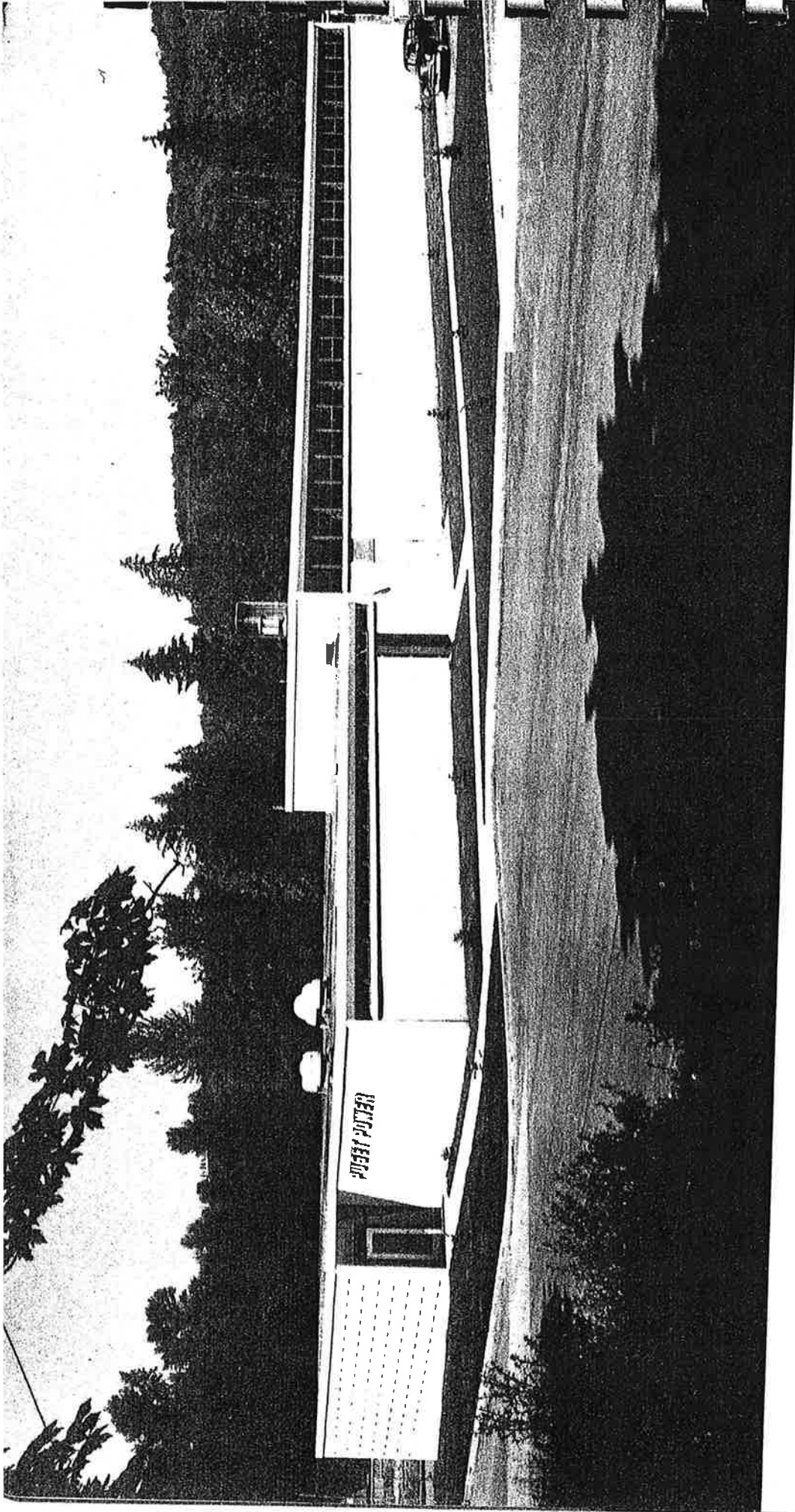




PUGET POWER OFFICE BUILDING—RENTON



PUGET POWER LINE HEADQUARTERS—RENTON
for construction & maintenance of transmission facilities

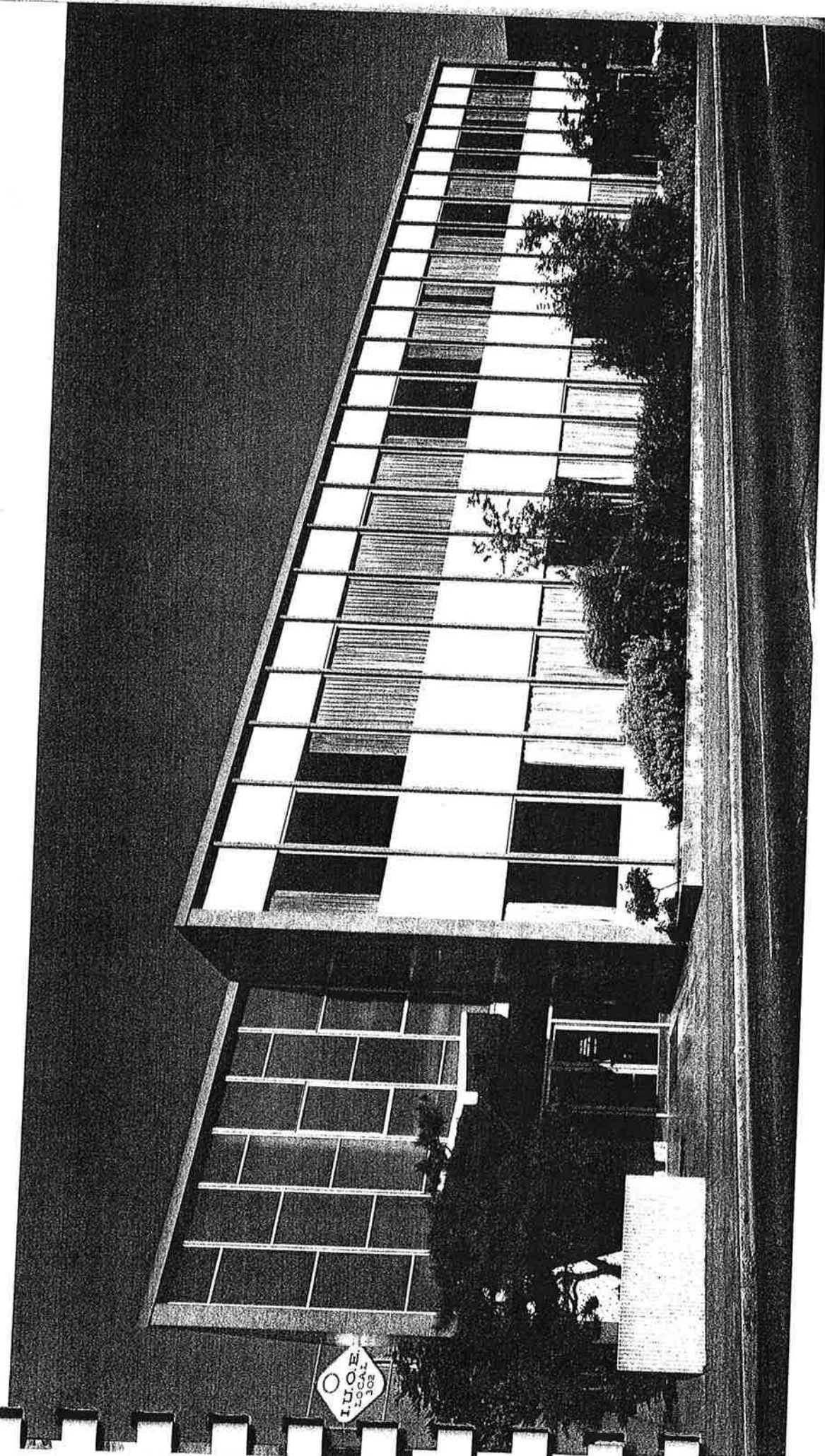


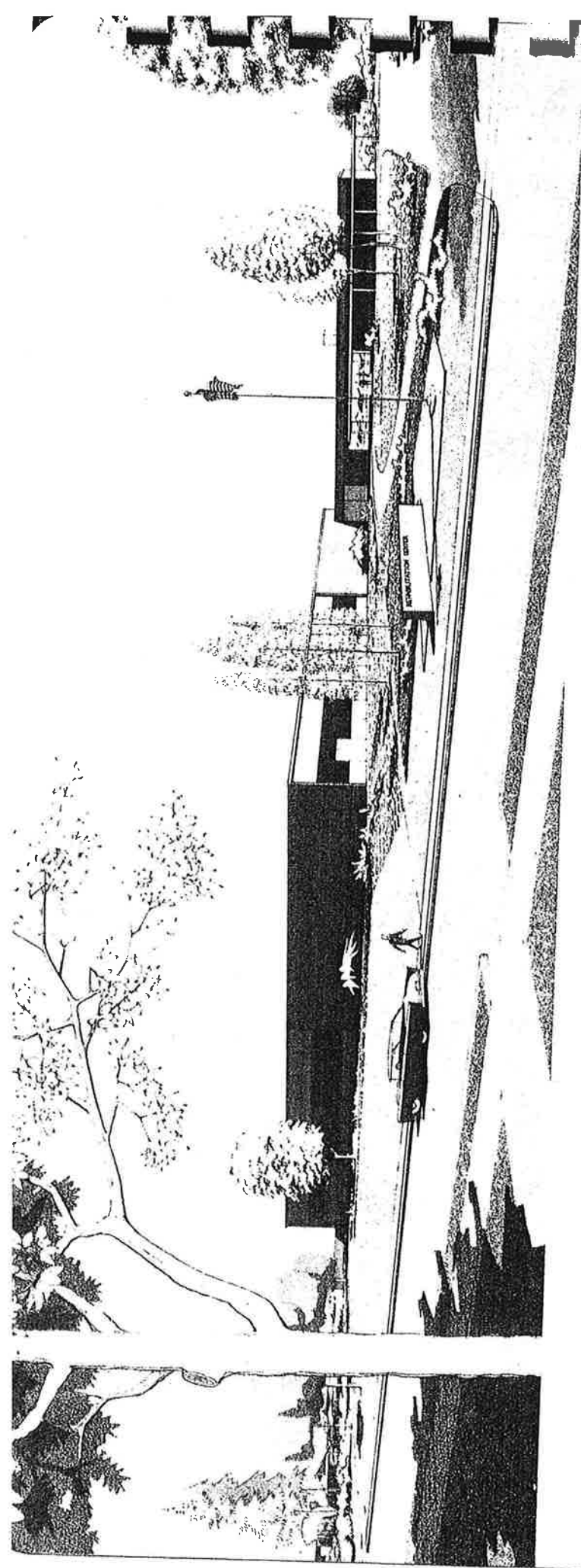
PUGET POWER LINE HEADQUARTERS-FACTORY, WASHINGTON
for construction & maintenance of transmission facilities

cost: \$185,000 — completed: April, 1958

OPERATING ENGINEERS-LOCAL 302-SEATTLE, WASHINGTON

cost: \$300,000—completed: January, 1958

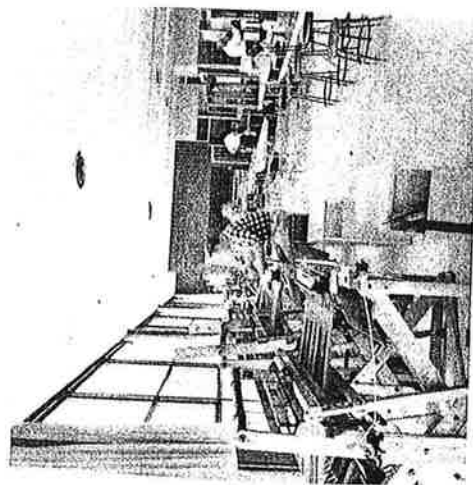




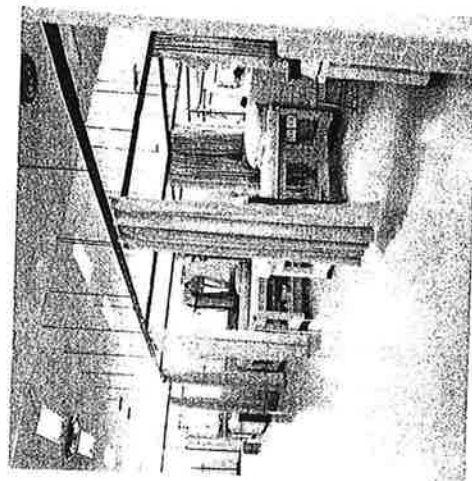
THE DR. H. T. BUCKNER REHABILITATION CENTER — SEATTLE, WASHINGTON

The Rehabilitation Center for Injured Workers of the Washington State Department of Labor and Industries was founded to provide a therapeutic transition between hospital care and eventual return to industry for workers injured in industrial accidents.

The facility consists of areas for physical therapy, occupational therapy, hydrotherapy and



OCCUPATIONAL THERAPY



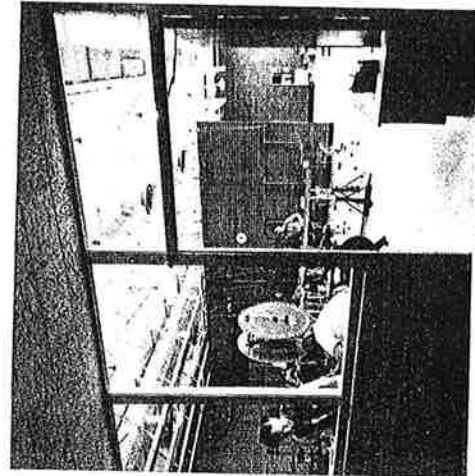
PHYSICAL THERAPY

woodworking shop with supporting facilities which include a kitchen, dining rooms, lounge, locker rooms, administration and storage.

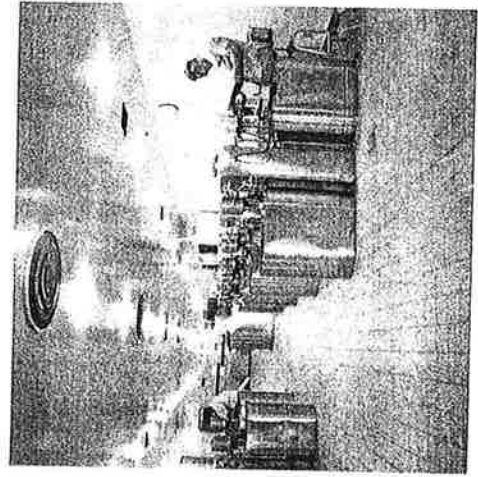
The planning of this building was developed from extensive consultations with the staff therapists and administrators.

The structure consists of a light steel frame with brick, metal and glass exterior walls. Glazed structural tile walls are used extensively in the therapy area with plaster being used elsewhere. Vinyl tile and acoustically treated ceilings are used throughout. The building is completely air conditioned.

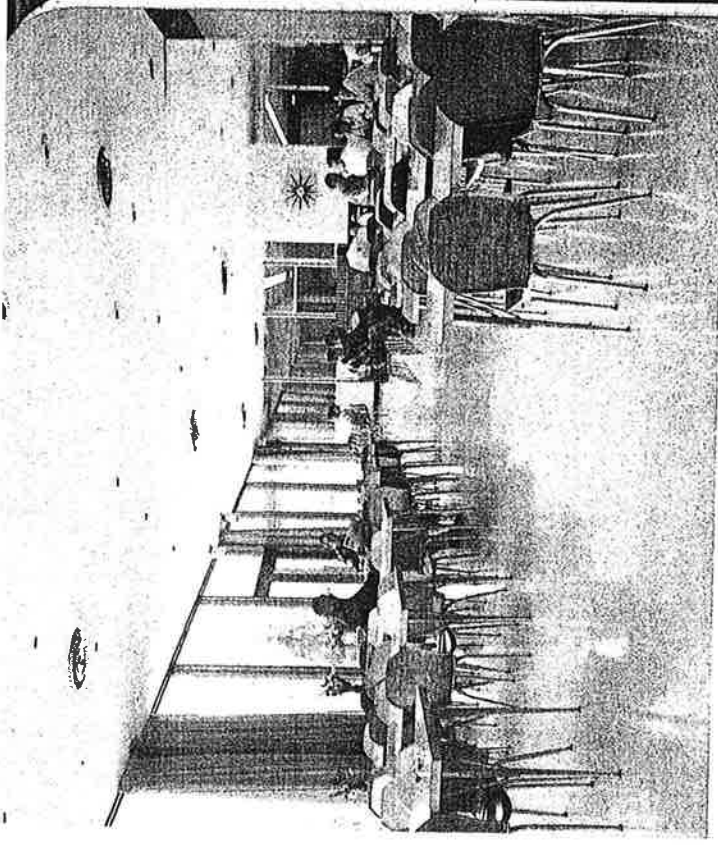
Cost: \$800,000 Completed: February, 1959



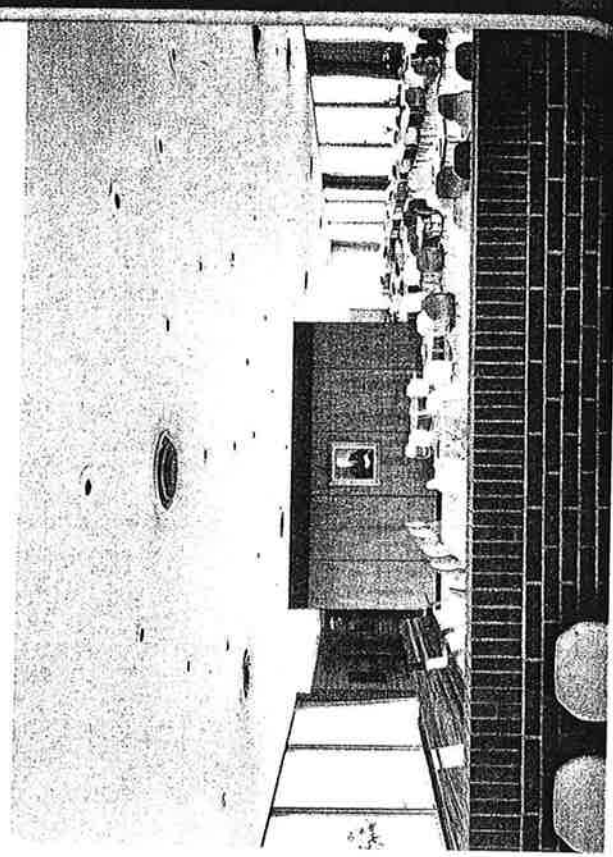
GYMNASIUM



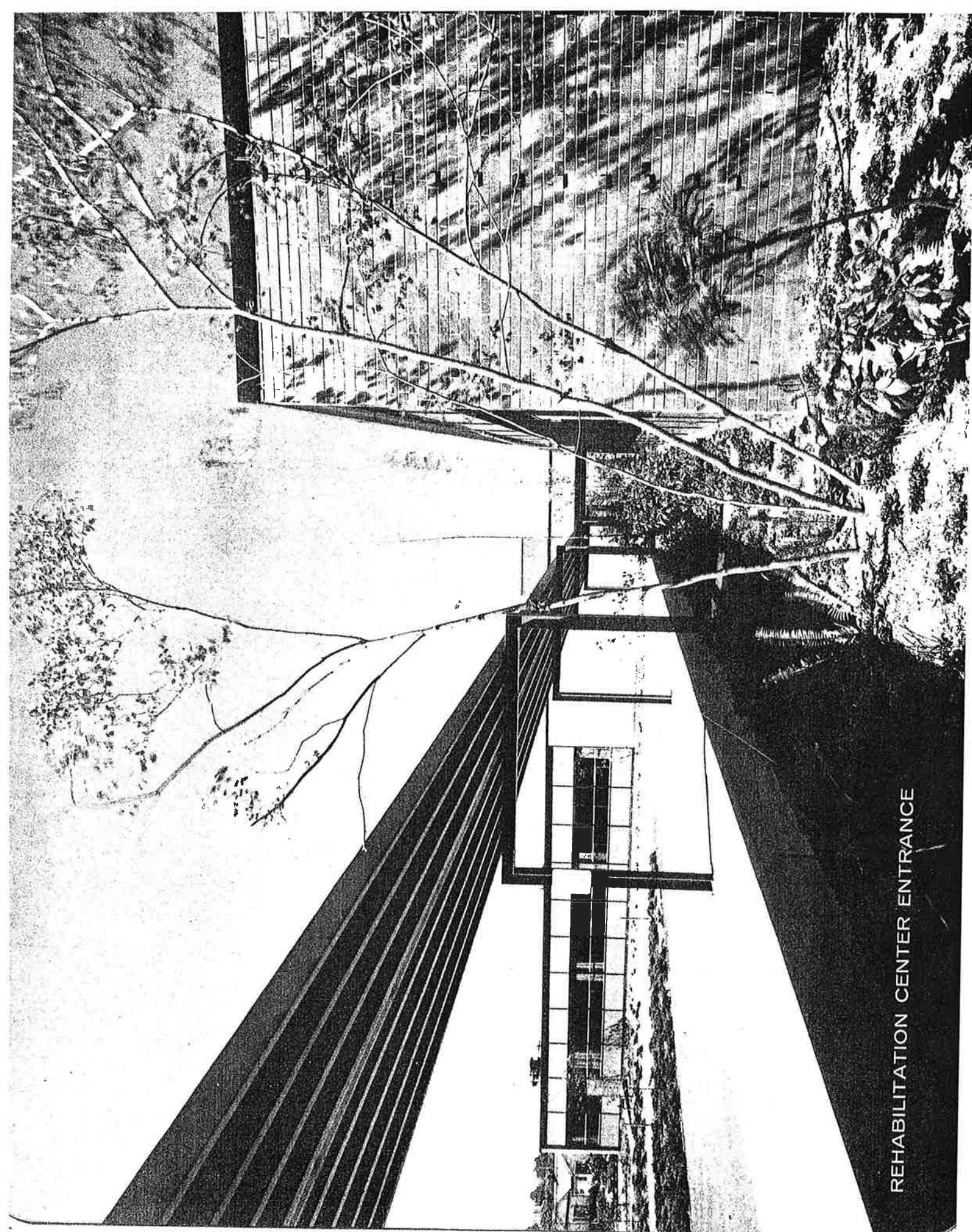
HYDROTHERAPY

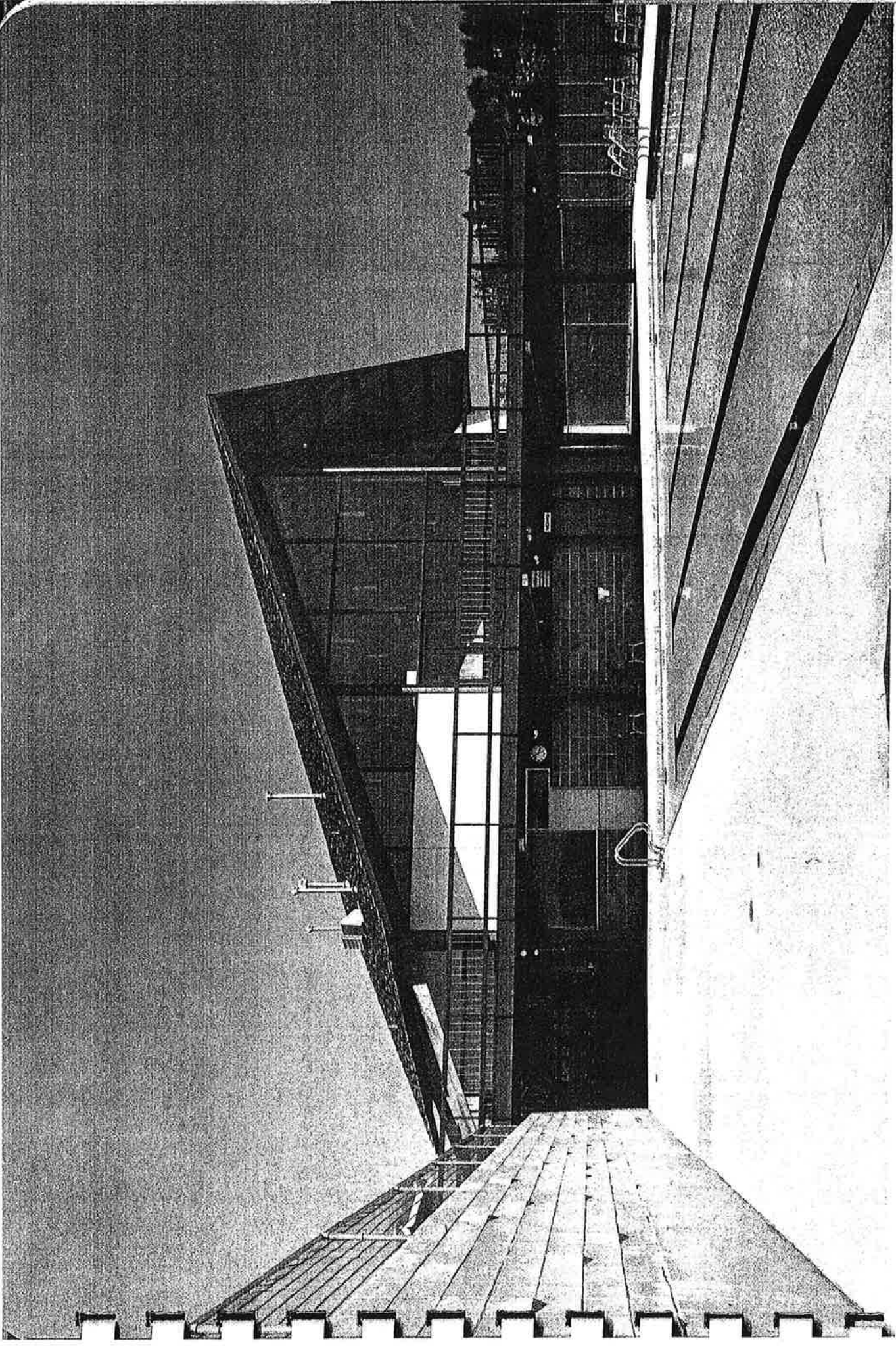


LOUNGE AND DINING AREA



REHABILITATION CENTER ENTRANCE





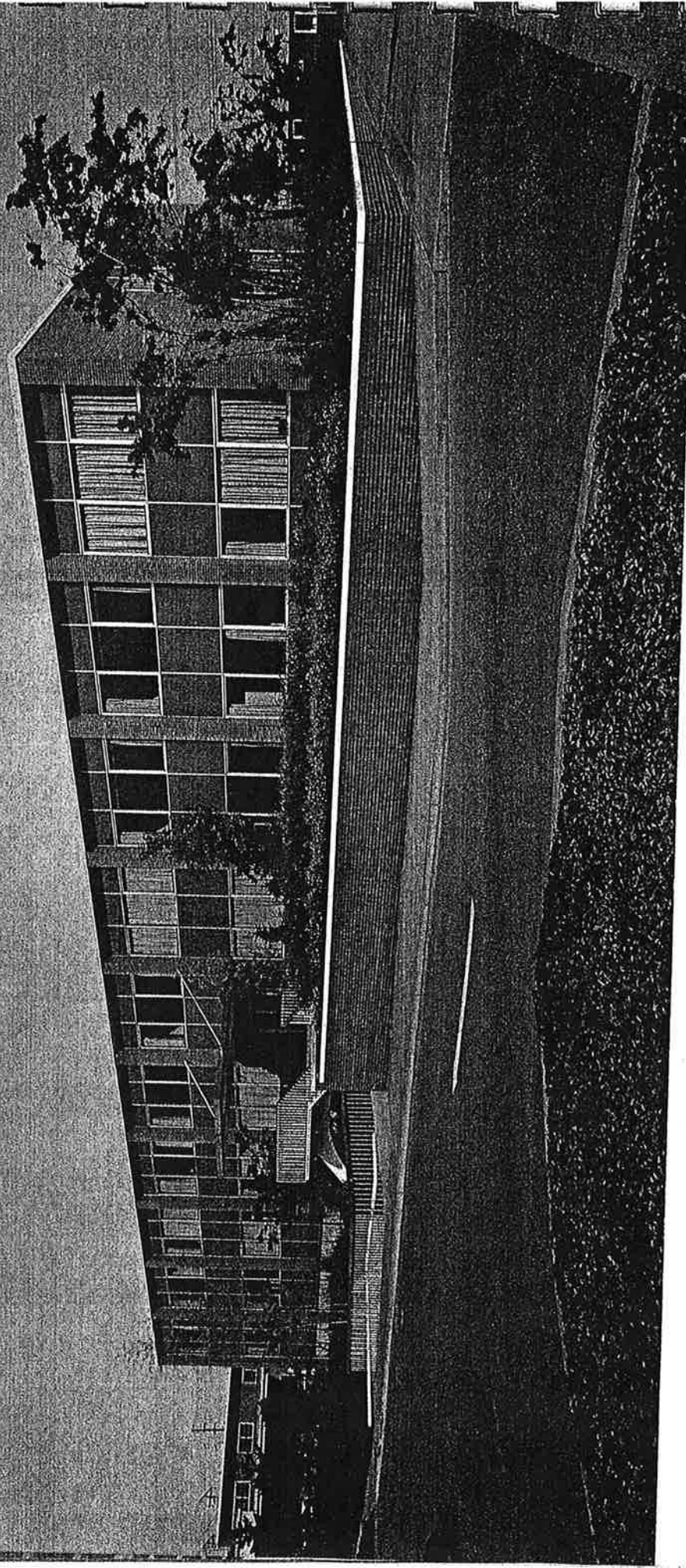
SWIMMING POOL AND CLUBHOUSE FOR THE AQUA CLUB, INC., SEATTLE, WASHINGTON

cost: \$100,000 — completed: June, 1960

PUBLIC UTILITY DISTRICT NO. 1 OFFICE BUILDING EVERETT, WASHINGTON

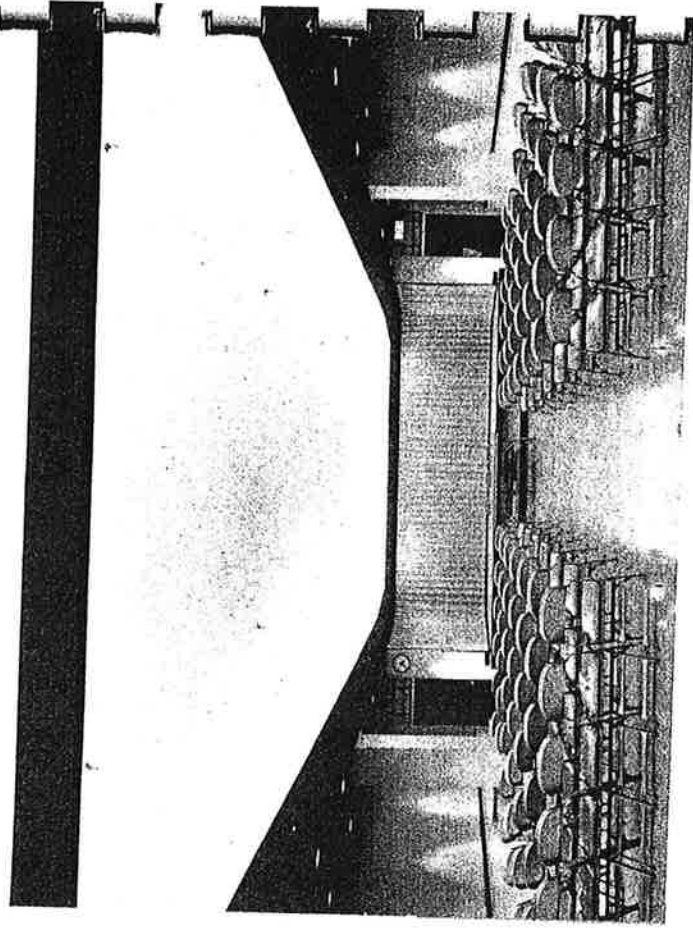
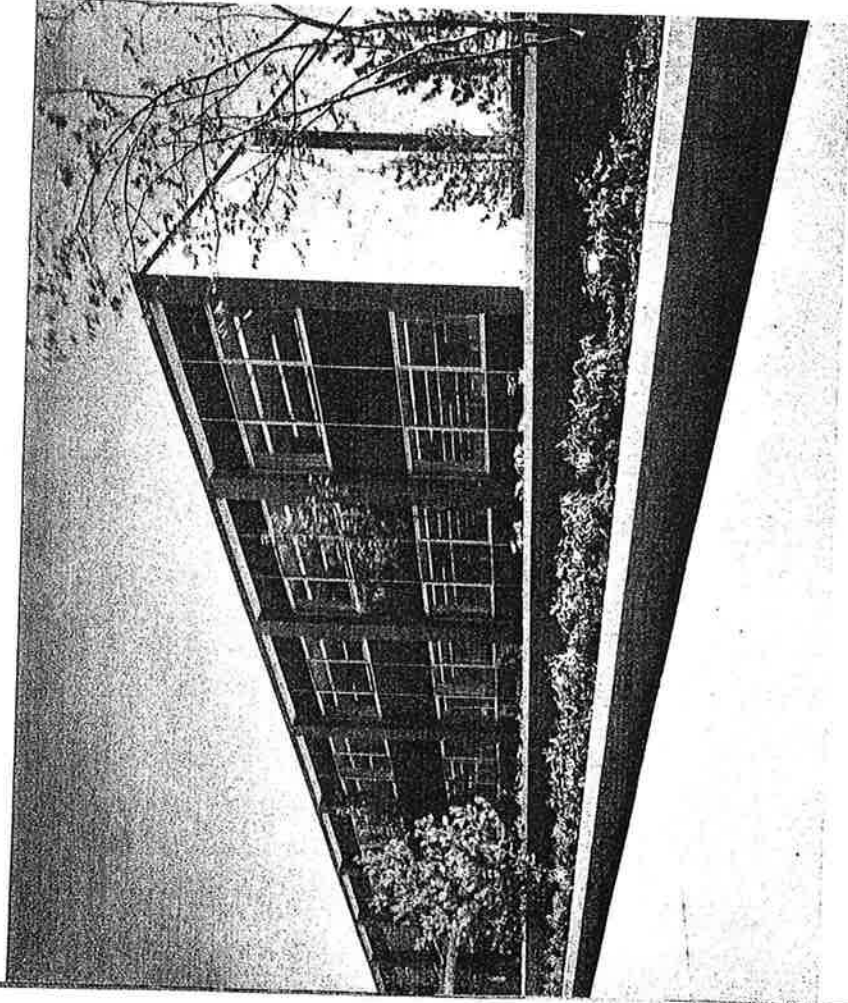
cost: \$800,000 — completed: December, 1958

main lobby

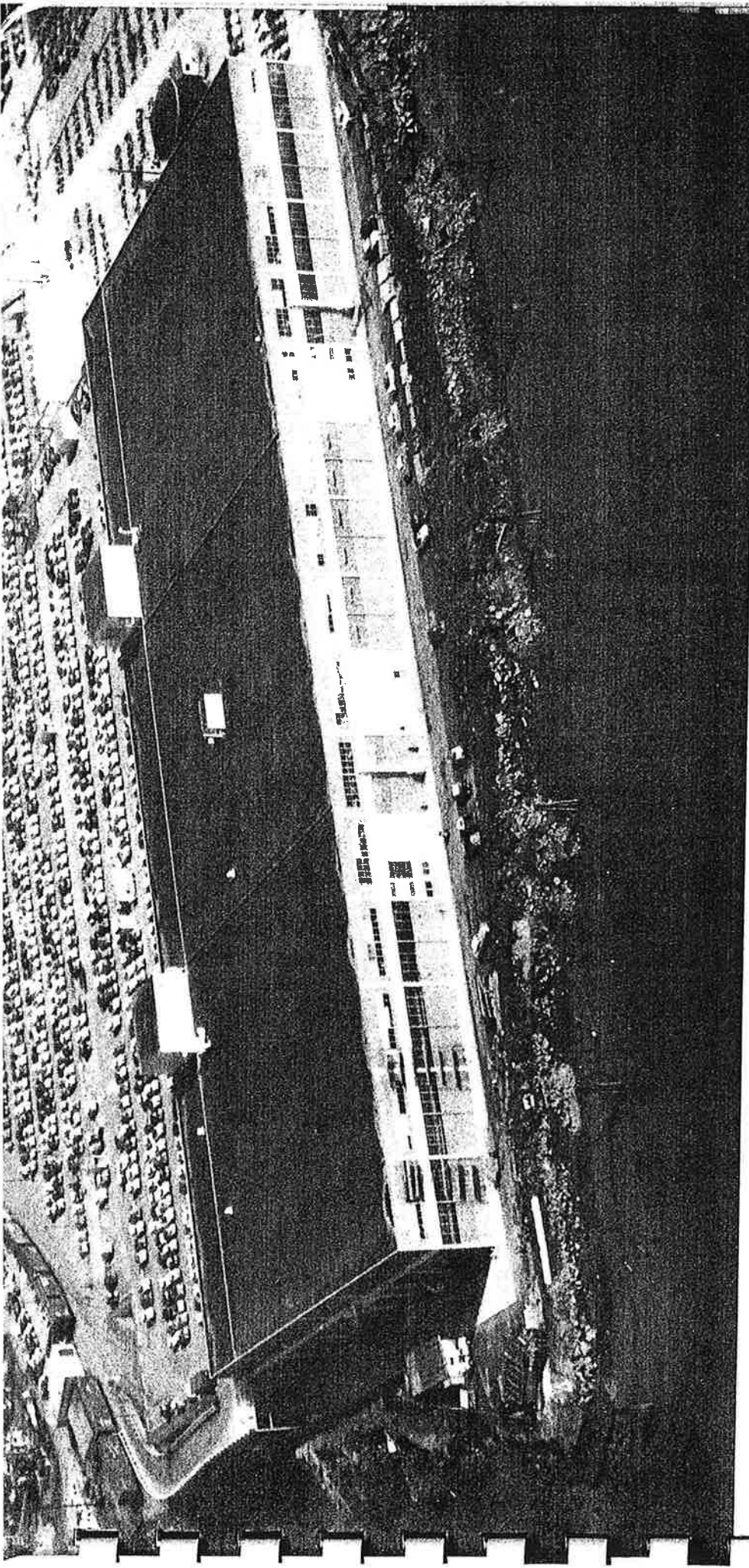




EVERETT P.U.D. OFFICE BUILDING FROM THE NORTH



AUDITORIUM



2.01 BUILDING BOEING AIRPLANE COMPANY, SEATTLE, WASHINGTON

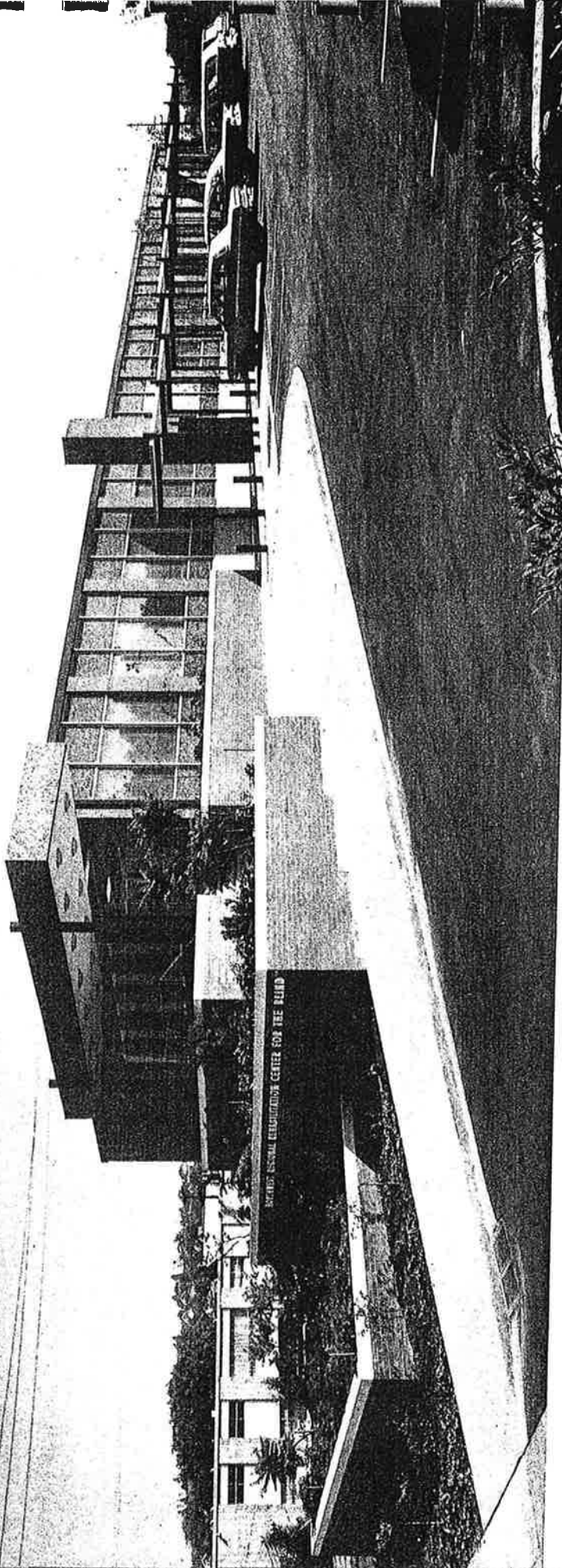
This building contains 450,000 square feet of offices, laboratories, test areas and shops utilized by Boeing's Aero-Space Division.

It houses all of the engineering facilities re-

quired for the development of the Bomarc interceptor missiles — including environmental, guidance, physics, and radar labs as well as general and executive engineering areas and offices.

First floor roof construction is of pre-stressed concrete and represents the first use of this technique at this scale in this area.

Approximate cost: \$8,000,000



NORTHWEST REGIONAL REHABILITATION CENTER FOR THE BLIND FOR WASHINGTON STATE DEPARTMENT OF PUBLIC ASSISTANCE

This new Center is an integral part of the Vocational Rehabilitation Program of Services for the Blind and it has made possible an expansion of work in the field of rehabilitation. As a Regional Center, its services are open to residents of other states and countries as well as of Washington State.

Here are available the latest rehabilitation facilities and methods for learning and re-learning many activities of living today. To this end the building contains areas for: Learning

to Communicate (Typing and Braille Rooms); Learning to Get Around: (both Interior and Exterior); Learning to Keep House (a fully furnished apartment); Learning to Work (wood-working and metal-working shop, a handicraft shop and a cafeteria used both as a service area and as a training center).

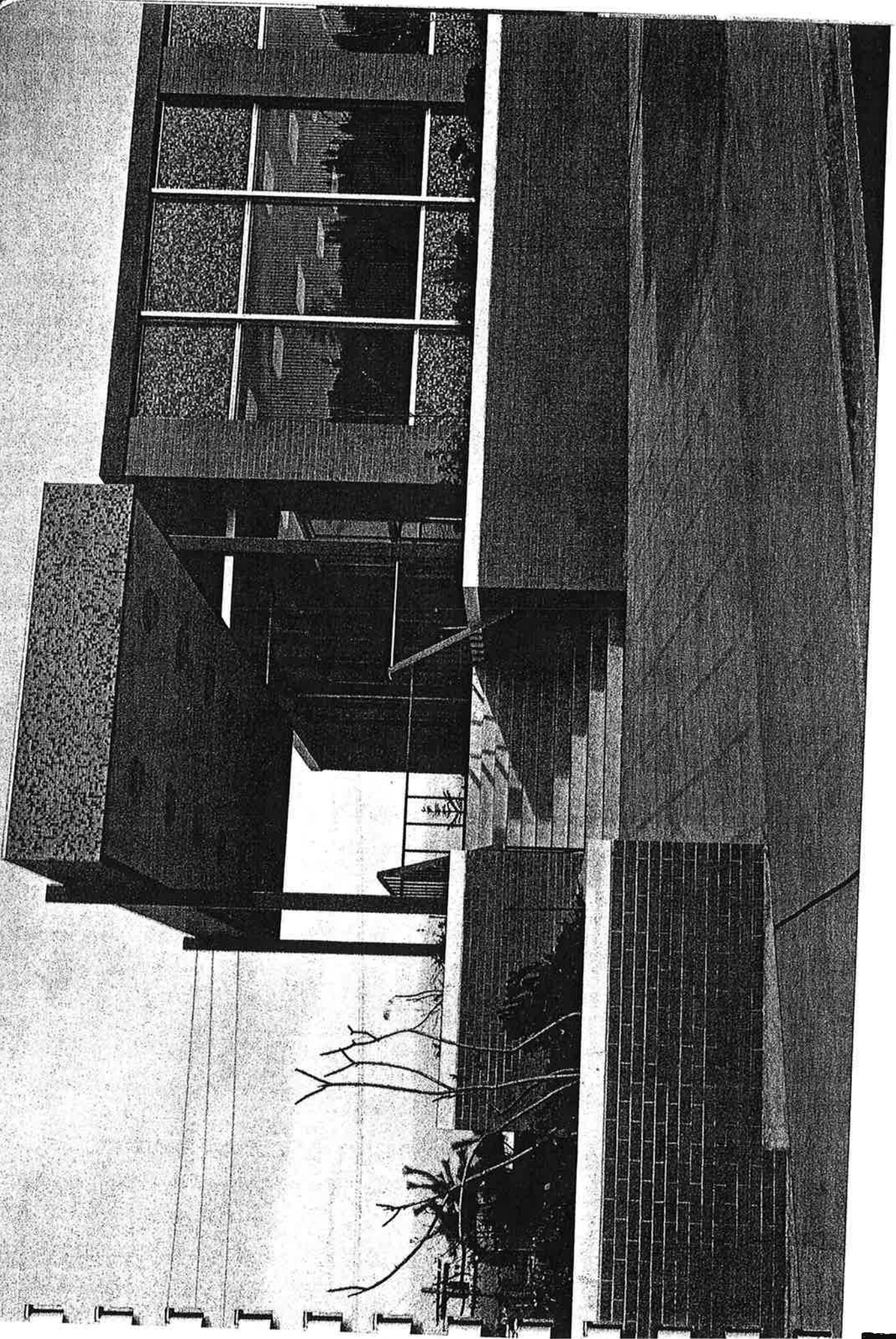
Special aids to the handicapped were avoided where possible in the design of the building in order that the trainees could become better

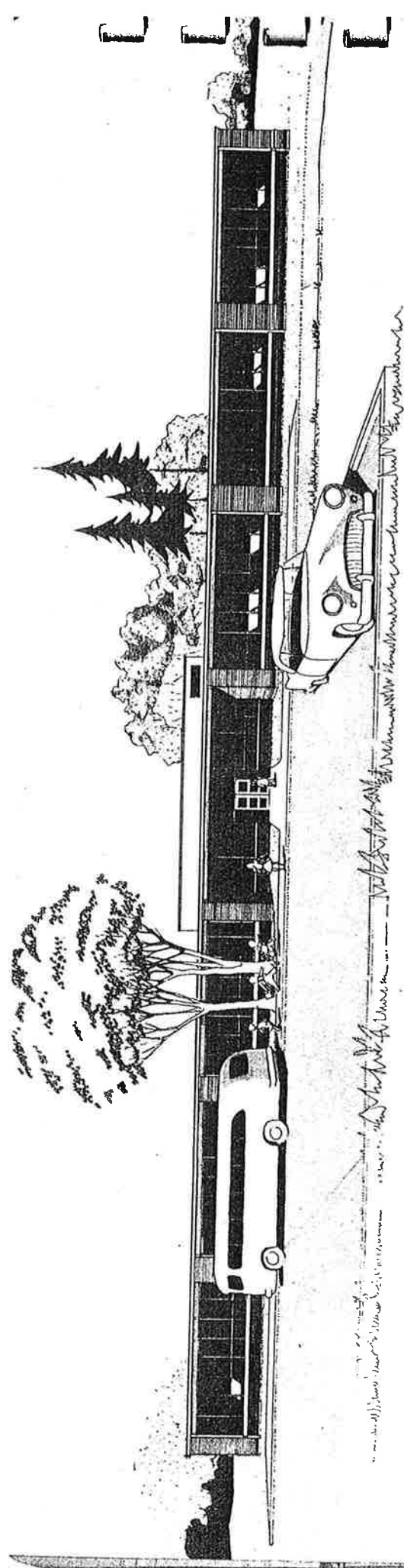
adjusted to normal buildings to be encountered elsewhere.

The building structure is of fireproof steel with concrete floor and roof slabs. It is a two-story building with the lower story day-lighted on three sides and the upper story on all sides. The exterior is faced with brick on columns and end walls; windows are aluminum with glass mosaic spandrels. The building is completely air conditioned.

Cost: \$465,000 Completed: June, 1963

view of main entrance



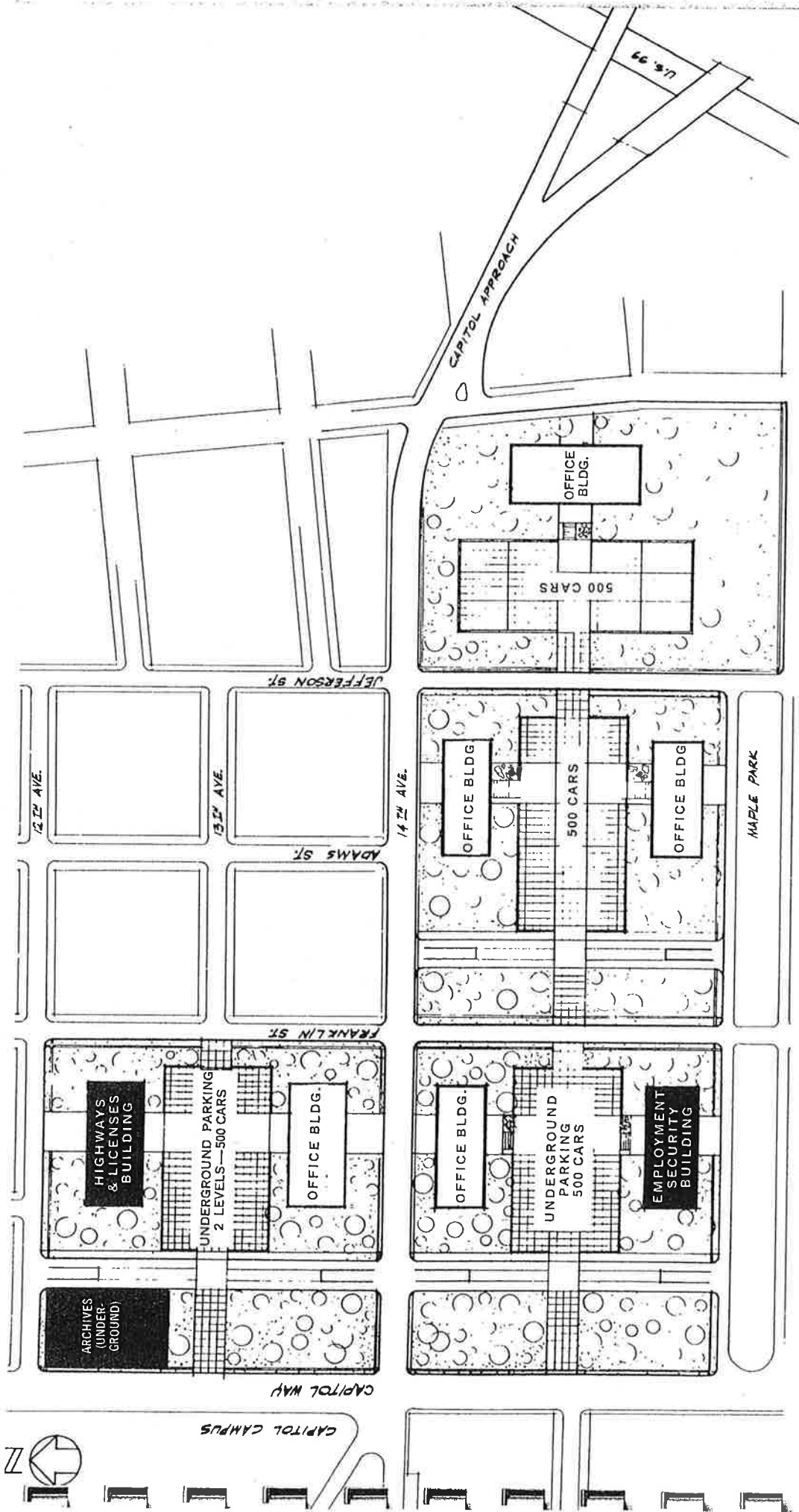


CHERRY VALLEY ELEMENTARY SCHOOL, DUVAL, WASHINGTON



EVERETT P.U.D. LINE HEADQUARTERS, ARLINGTON, WASHINGTON

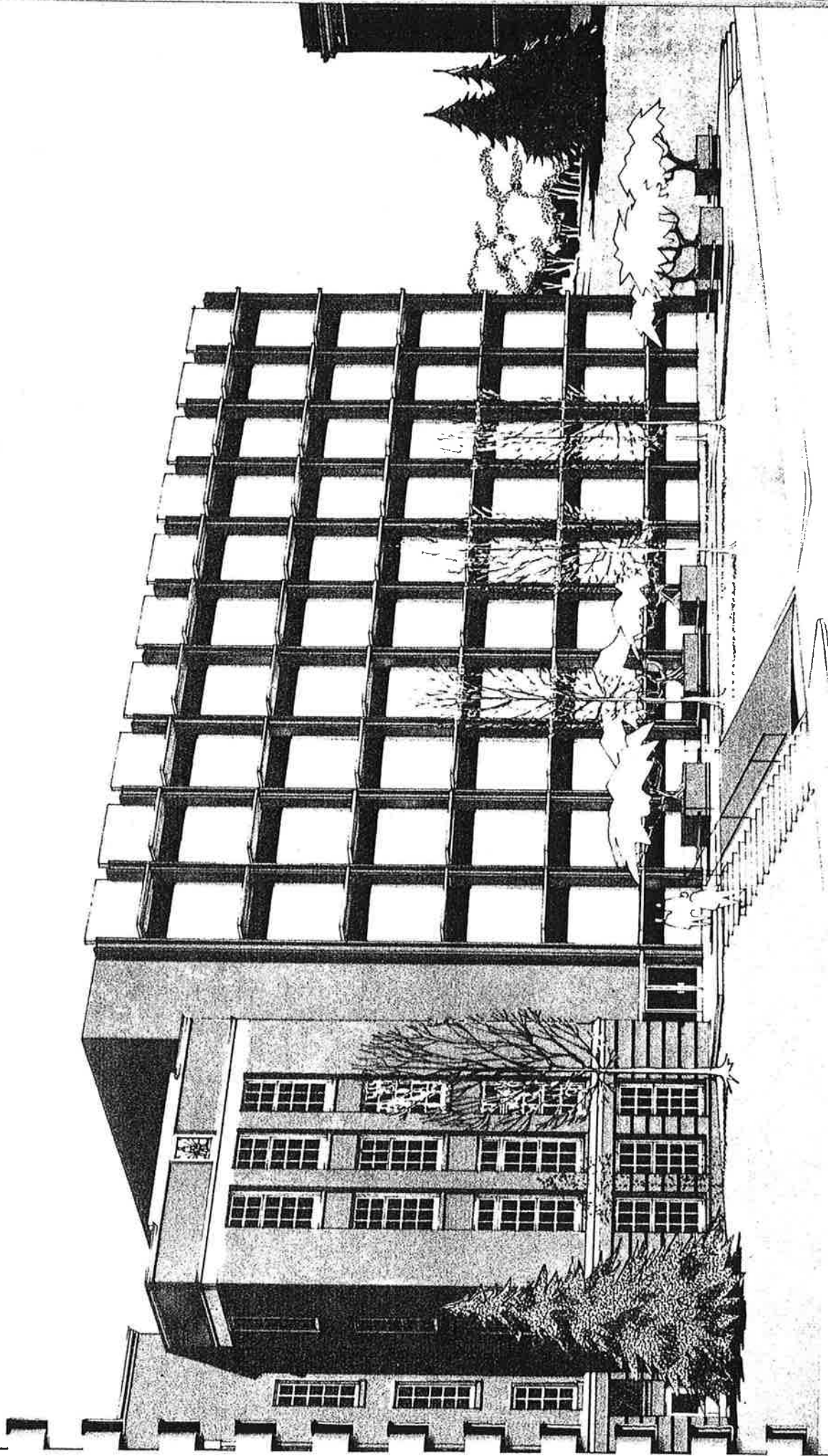
PROPOSED MASTER SITE PLAN for STATE OFFICE BUILDINGS AT OLYMPIA, WASHINGTON



In siting these buildings, consideration was given to future development. It is probable that two additional State Office Buildings will one day be located in a similar manner on the blocks separating the Employment Security

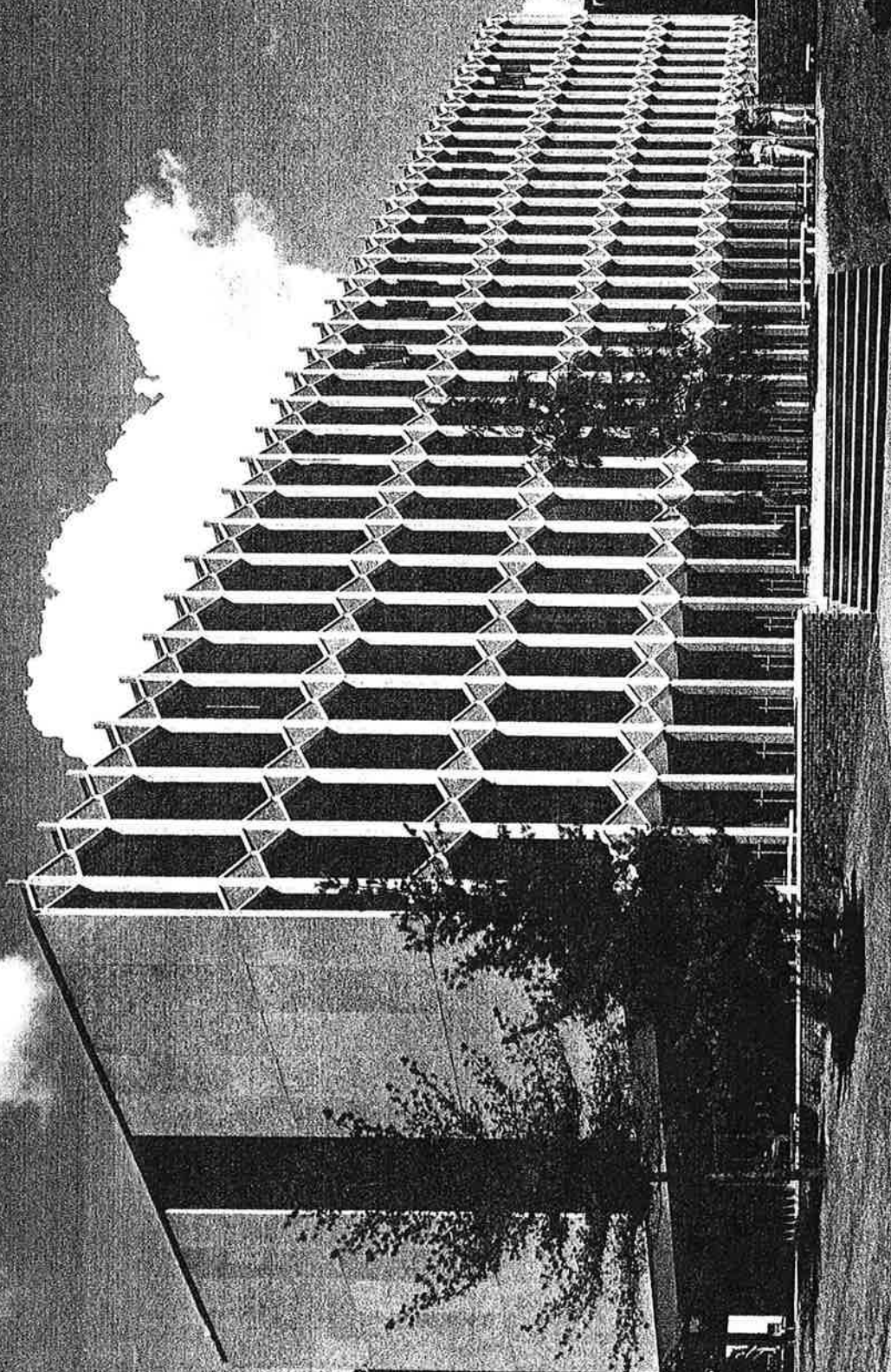
& Highways and Licenses Buildings. The present buildings have been so sited that in the future, plazas with several levels of underground parking may be developed between

them. This siting has made possible a very desirable green belt along Capitol Way which may be extended with the addition of new buildings.



an addition to FULMER CHEMISTRY LABORATORY for WASHINGTON STATE UNIVERSITY
PULLMAN, WASHINGTON

cost: \$2,300,000—completed: October, 1961



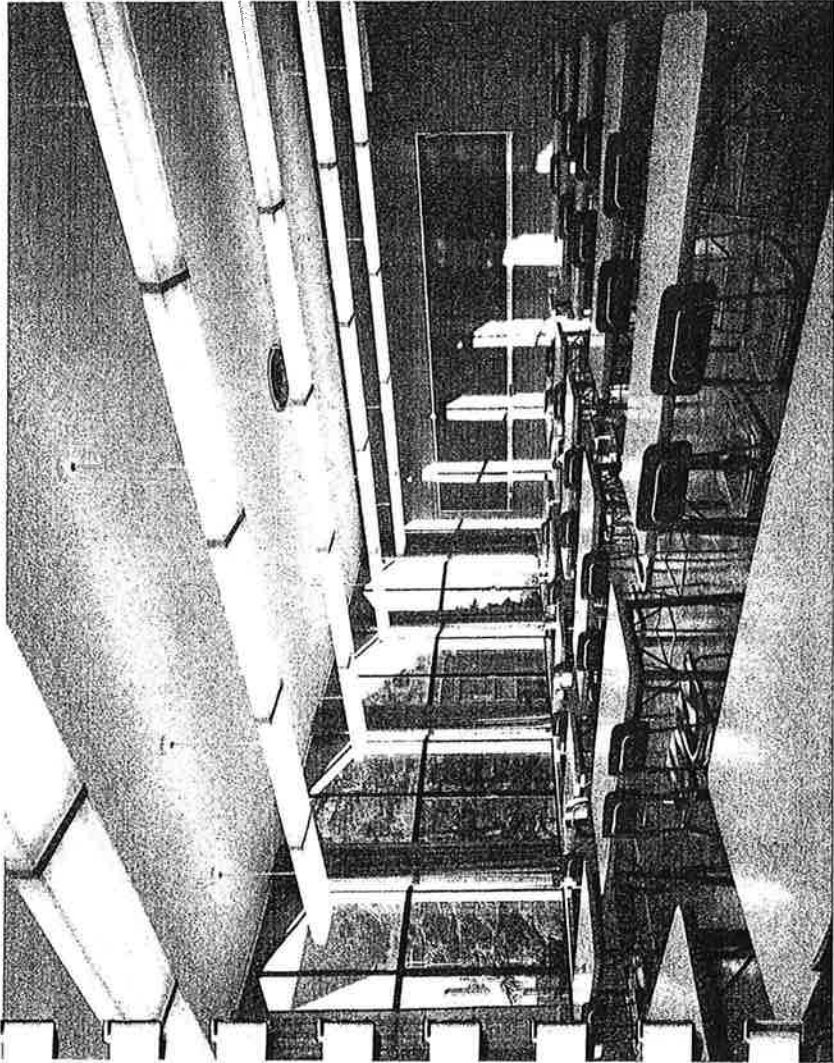
GENERAL ENGINEERING BUILDING for the UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON

cost: \$1,100,000 — completed: 1960

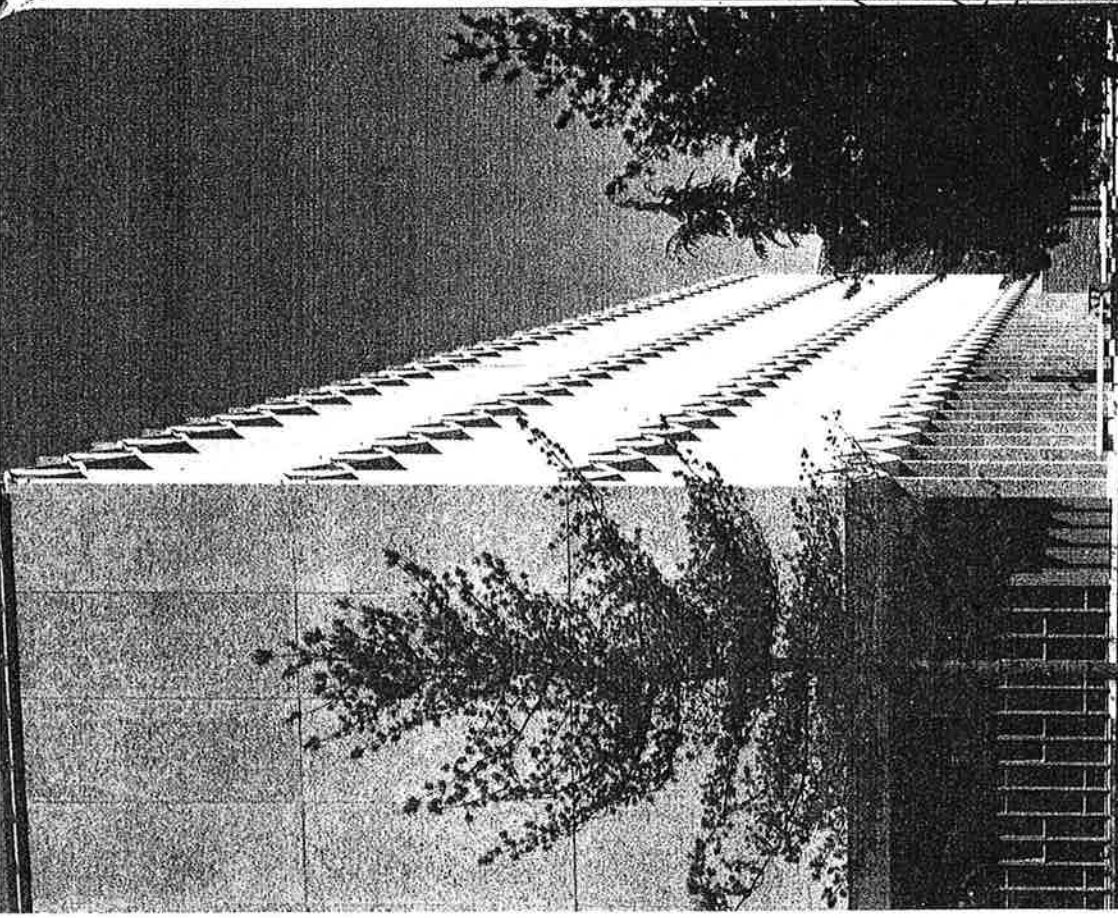
The first floor of the General Engineering Building houses the administrative offices, shops, locker rooms, study room and a lecture room seating 160 students. The upper three floors provide classrooms and instructors' offices which are served by a central corridor. This corridor forms a structural concrete core supporting transverse open web joists spanning out to perimeter steel columns.

Floors are steel deck with concrete topping. The exterior steel frame is sheathed in cast stone.

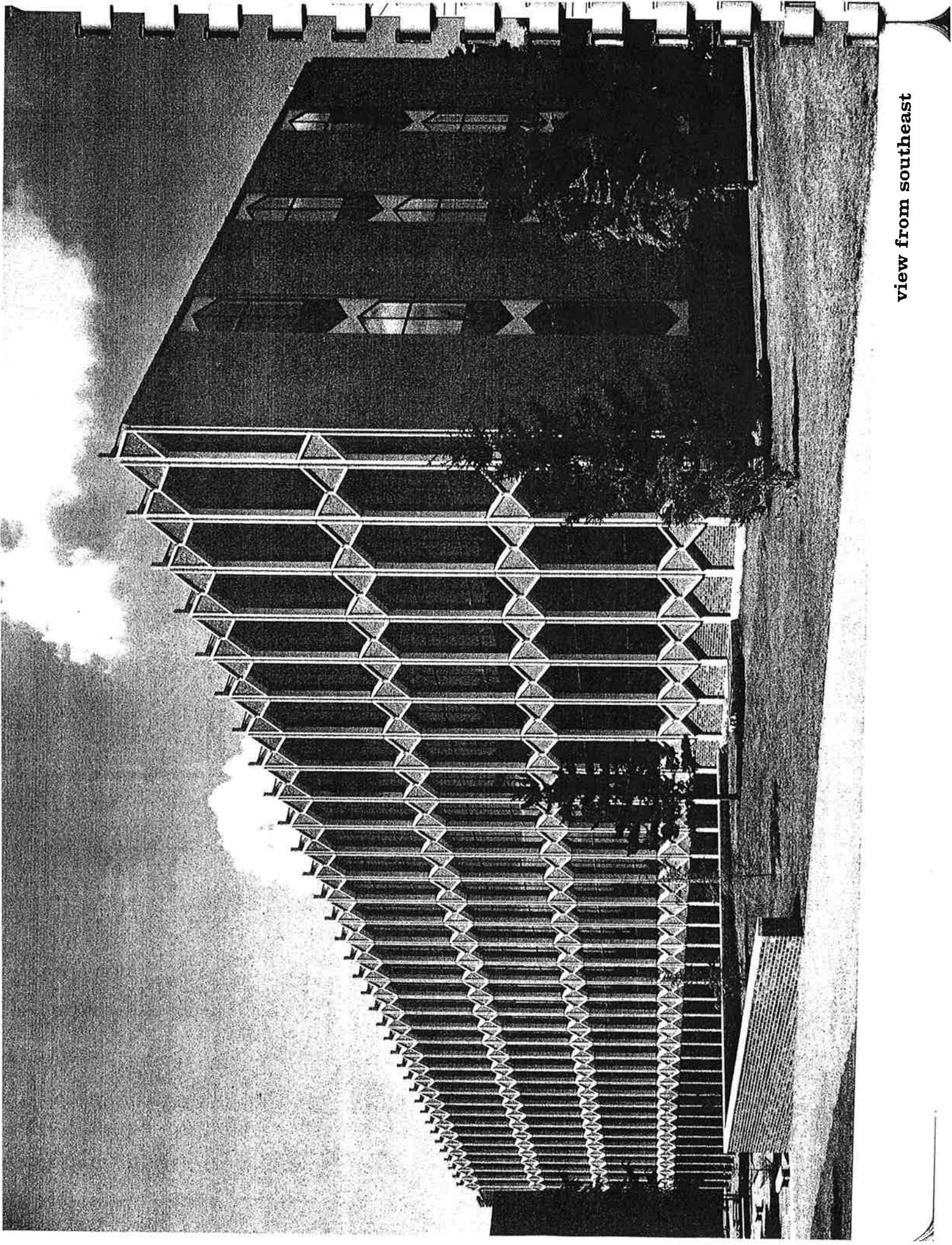
Windows are steel casement with the upper portion glazed in clear glass and the lower portion in colored structural glass.



typical classroom



view from southwest



view from southeast

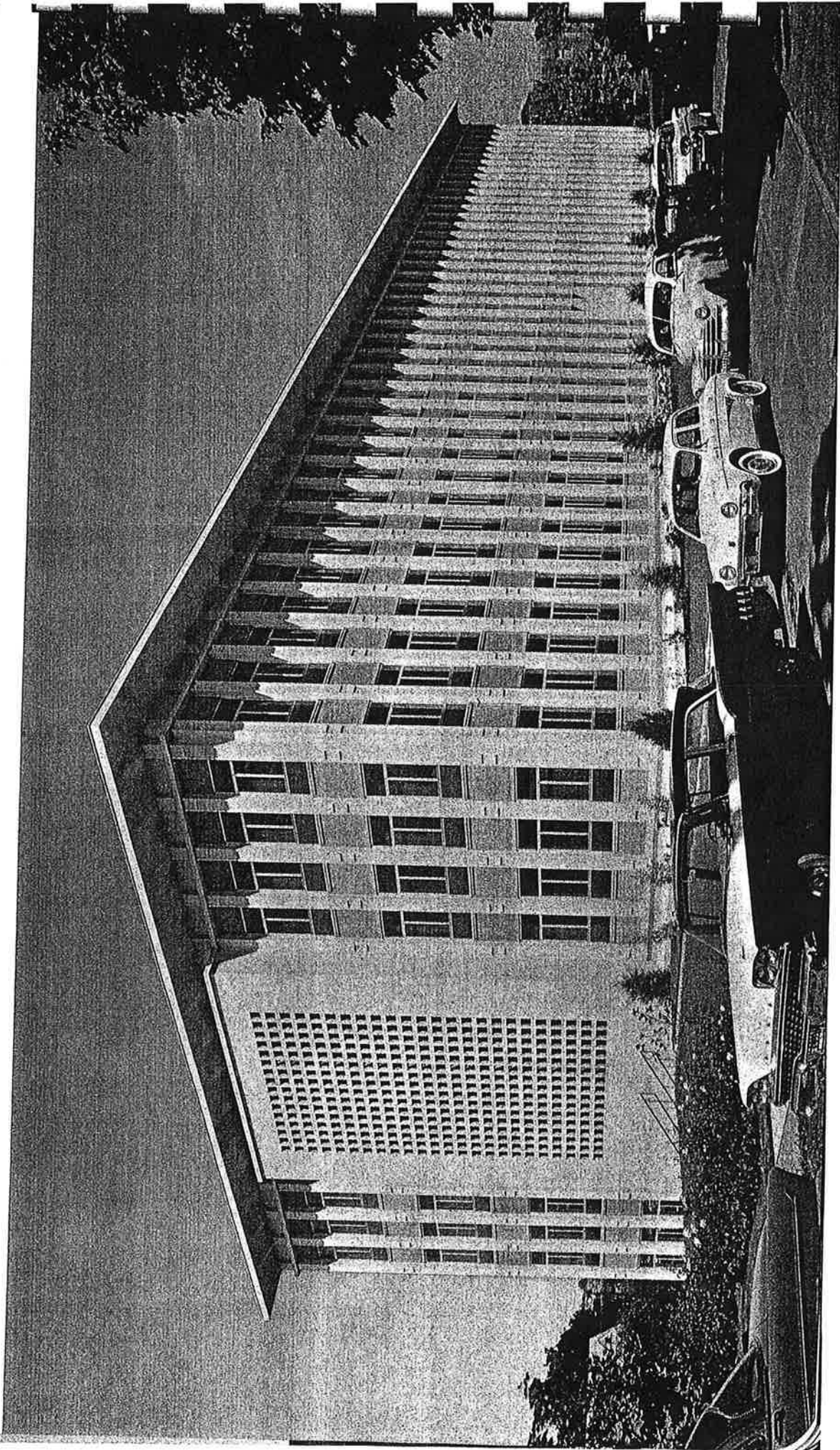
EMPLOYMENT SECURITY BUILDING OLYMPIA, WASHINGTON

cost: \$1,800,000—completed: February, 1962

The Employment Security Building provides 62,000 sq. ft. of net rentable space consistent with present day standards of environment

for first class rental office space. Future conversion of storage space would raise the total to 72,000 sq. ft. Non-rentable space has been

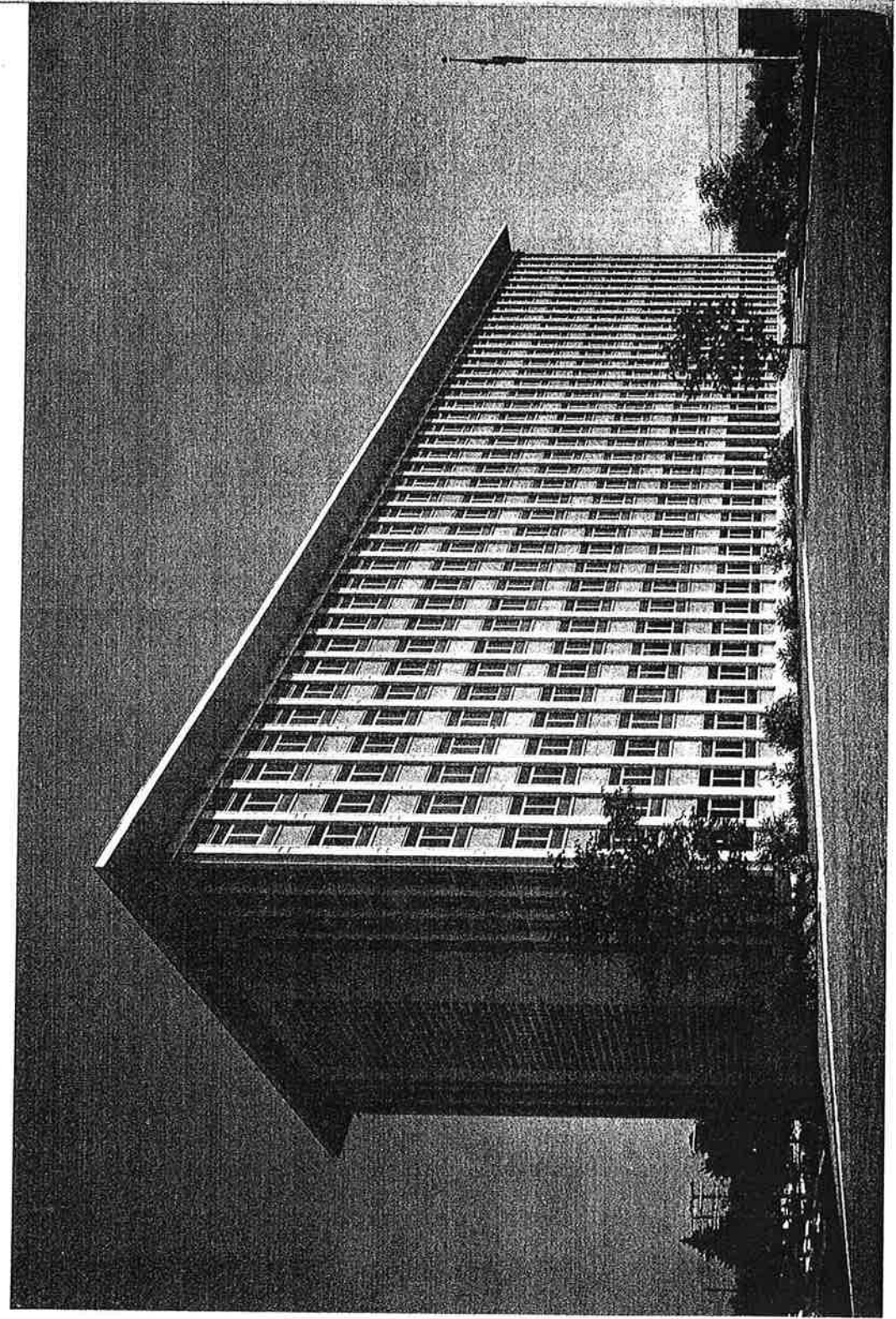
kept to a minimum, the net rentable area being 78% of the gross building area.

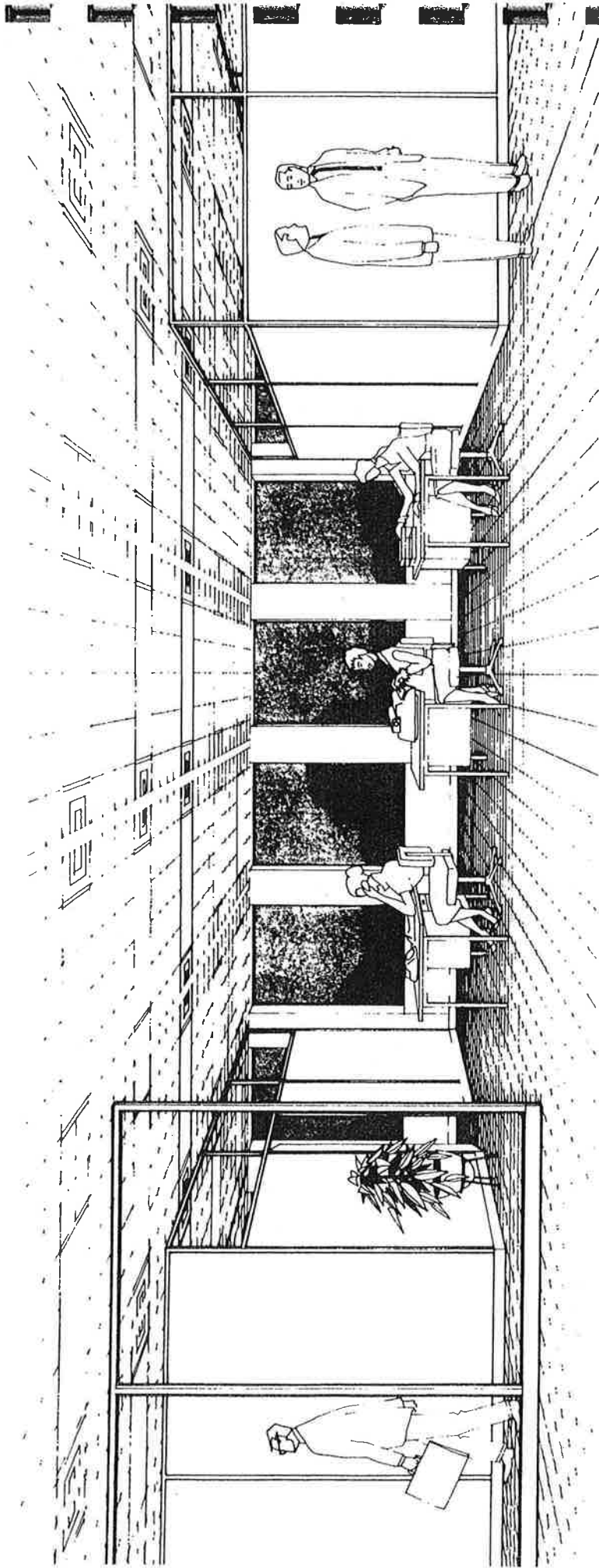


HIGHWAYS AND LICENSES BUILDING OLYMPIA, WASHINGTON

cost: \$3,500,000 — completed: February, 1962

Highway and Licenses Building contains 127,000 sq. ft. of net rentable first class office space. Future conversion of basement storage space will enlarge the total to 138,000 sq. ft. Net rentable area is 81% of the gross building area.



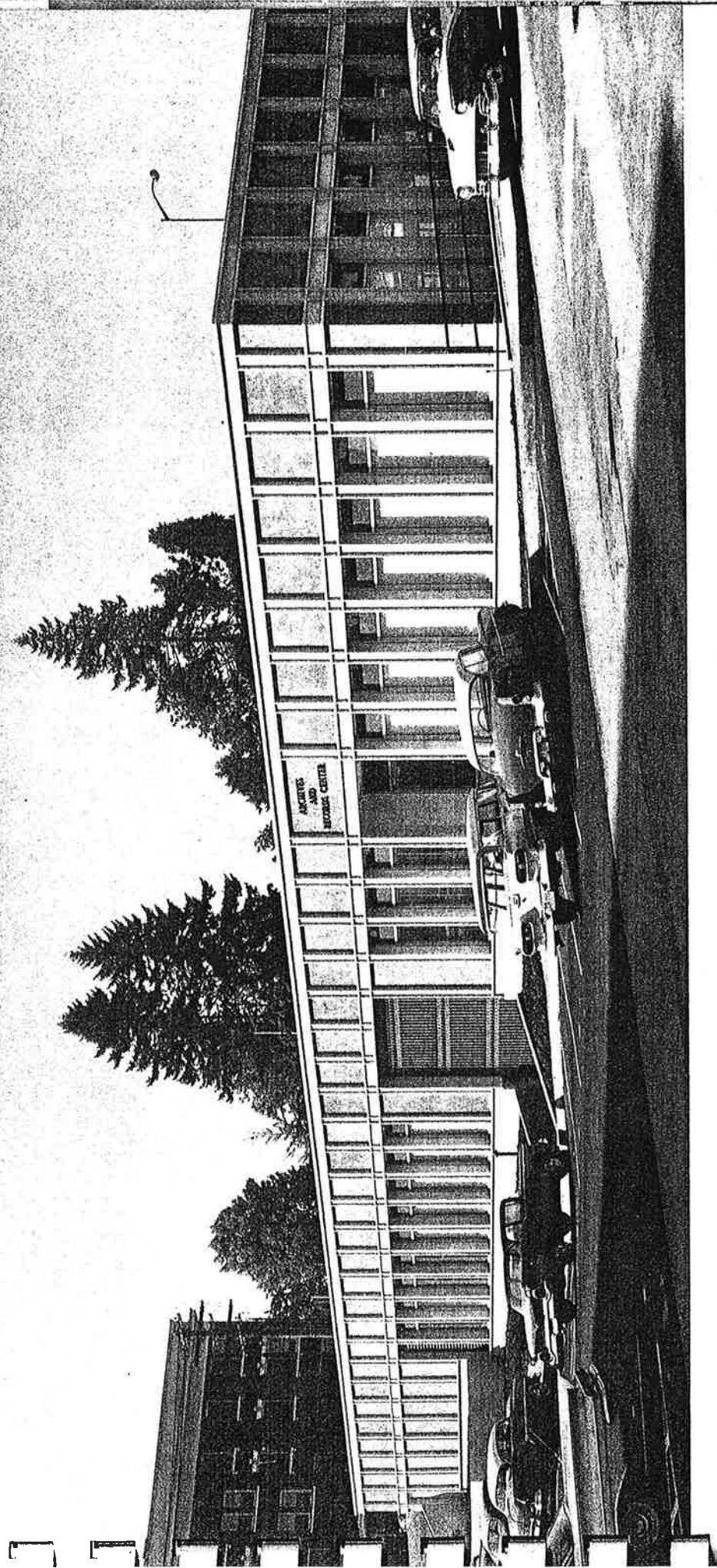


TYPICAL OFFICE SPACE

These two State Office Buildings are designed on a 6 foot x 6 foot modular grid system which makes it possible to locate a movable partition on any grid line. The lighting fixtures and ceiling air diffusers are coordinated to this module and will not be disturbed by the relocation of partitions. The underfloor duct system carrying both power and telephone will likewise accommodate future as well as

initial requirements. The windows and wall air diffusers are also designed to this module insuring that pleasant, orderly, interior appearance will be maintained regardless of office width. The exterior wall presents a flush interior surface uninterrupted by columns or other projections which would conflict with partitioning.

The exterior design is expressive of the modular requirement within and is executed in cast stone which presents a colorful, interesting surface resistant to staining and free of maintenance cost. It is a simple contemporary treatment—yet reminiscent of the classical tradition through its expression of stability, order and dignity, all of which are properly associated with State Government.



WASHINGTON STATE ARCHIVES AND RECORDS CENTER

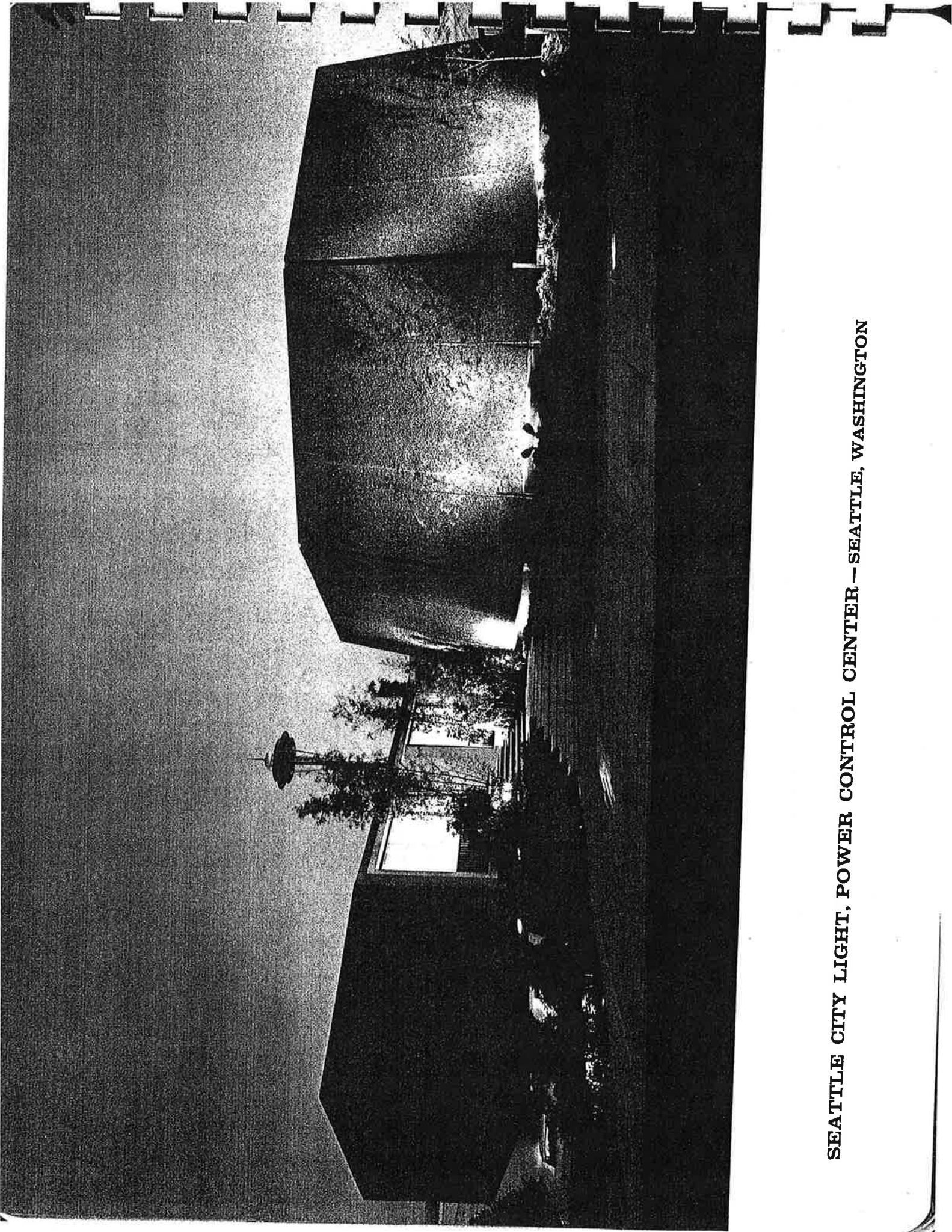
The Center is designed to house state historical documents and all state records required by law to be kept for a certain period of time, in a temperature and humidity controlled environment. For this purpose and in order to conform to the master Capitol Campus Plan which requires a landscaped area in this location, the building is basically an under-

ground structure with only the top story daylighted on the east and part of the north facade, and with the roof completely landscaped. The three story structure is of reinforced concrete. The daylighted portion of the upper story is used for administrative offices, micro-film room, loading dock area and fumigation equipment, the remainder of the build-

ing is all storage area including three special fireproof vaults for storage of exceptionally valuable documents. The exposed portion of exterior walls is faced with cast stone in a design similar to that of the Highways and Licenses Building (see preceding pages) which is adjacent to this building.

Cost: \$600,000 Completed: June, 1963

SEATTLE CITY LIGHT, POWER CONTROL CENTER - SEATTLE, WASHINGTON



This building is designed to house the power dispatching operation for the Seattle City Light System and supporting administrative offices.

Due to the requirement for complete privacy for the dispatchers and due to the shape of the major piece of equipment in the dispatching operation, a semi-circular board 10' high with a radius of 23', it seemed natural to accommodate this function in a separate building, the octagonal structure. It is in turn connected with a short corridor link to the supporting areas; offices, restrooms, locker and kitchen facilities, located in the rectangular element, raised one story above ground. This element was raised to provide a limited number of covered parking stalls on this very small site, without additional structures.

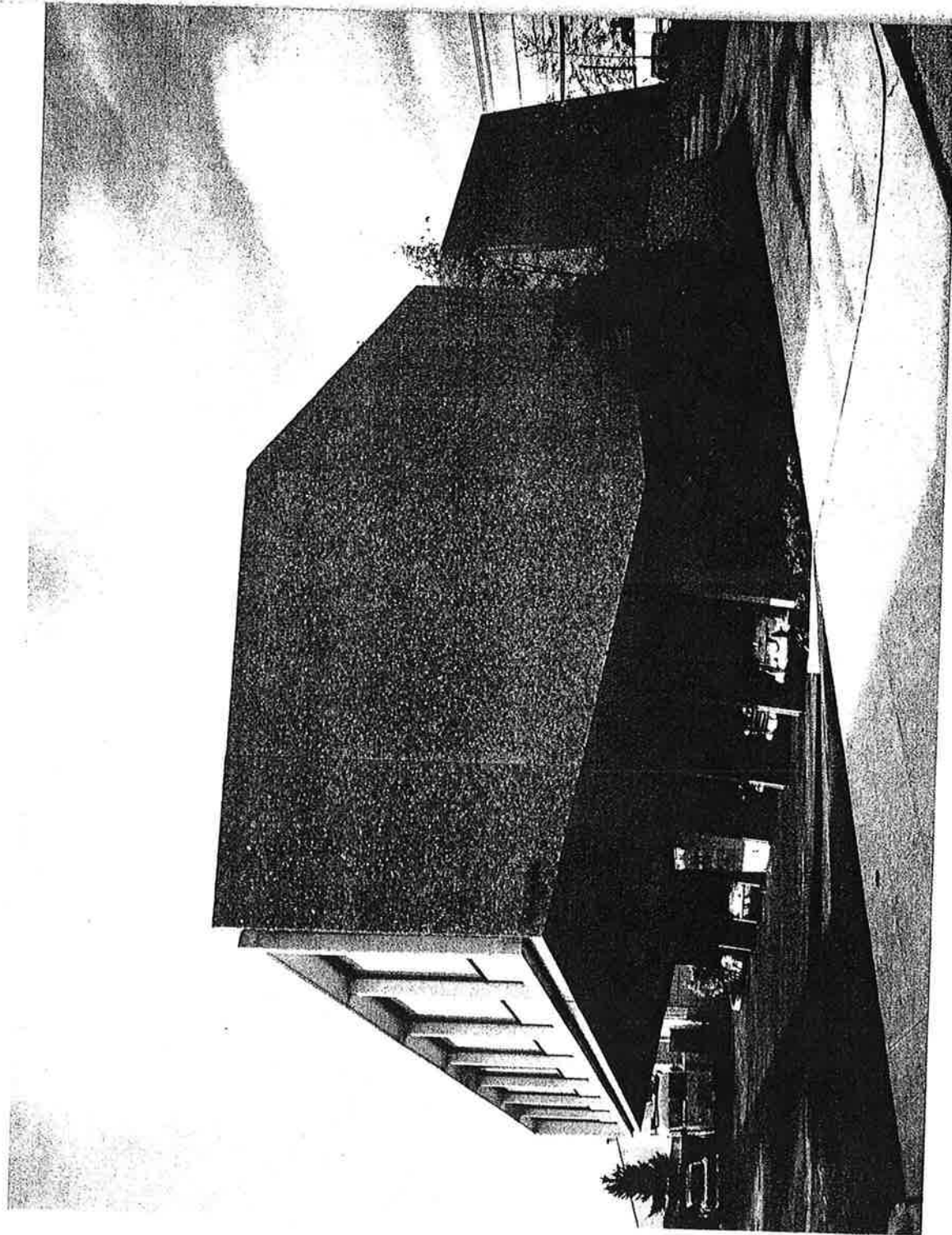
A basement containing mechanical, electrical and communications equipment is located under the octagonal block.

The building structure is reinforced concrete with an exterior facing of cast stone. The octagonal element is windowless and provides fallout protection. Windows in office portion have fixed dark aluminum sash with multi-colored porcelain enamel steel spandrels.

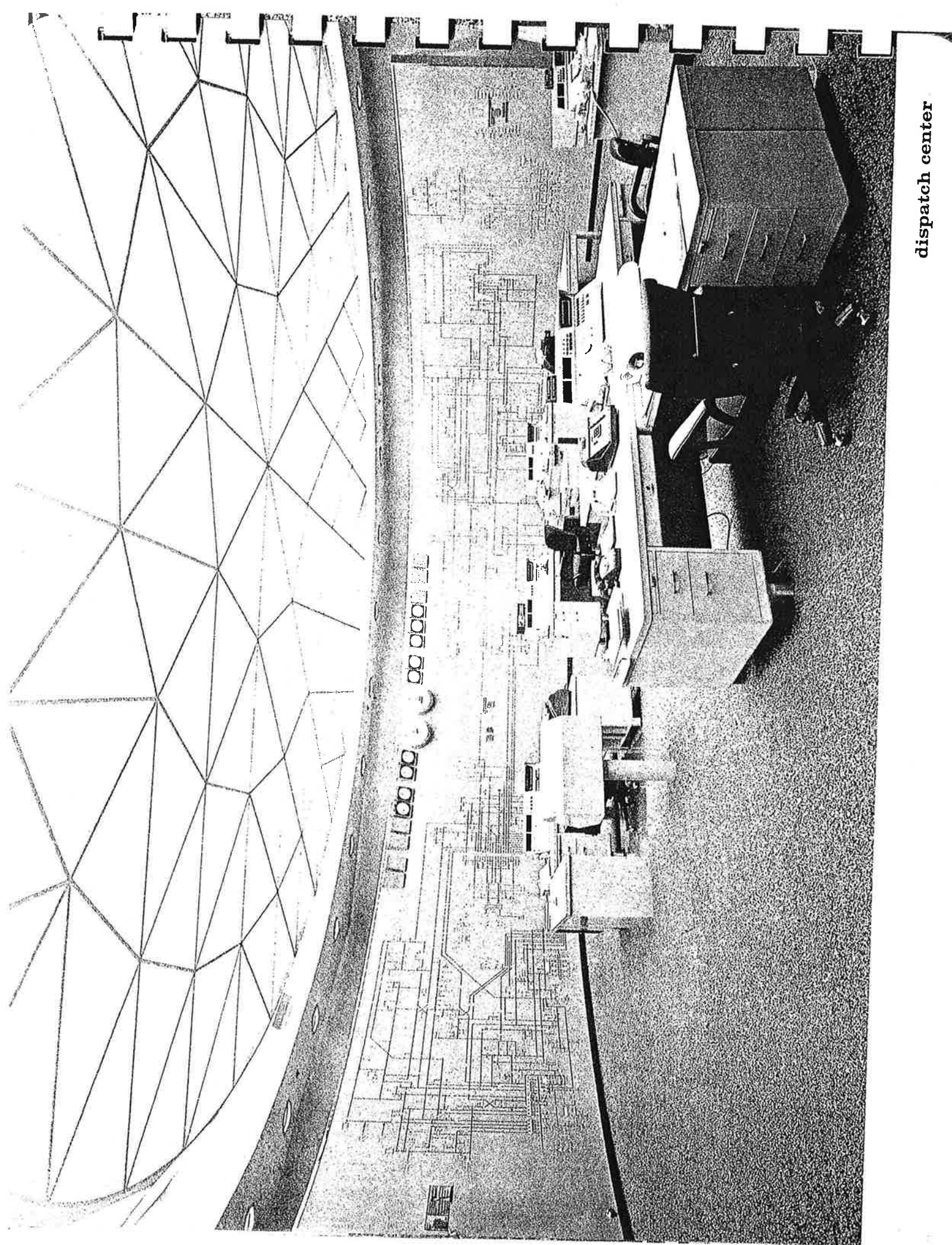
The building is completely air conditioned.

Cost: \$375,000

Completed: July, 1963

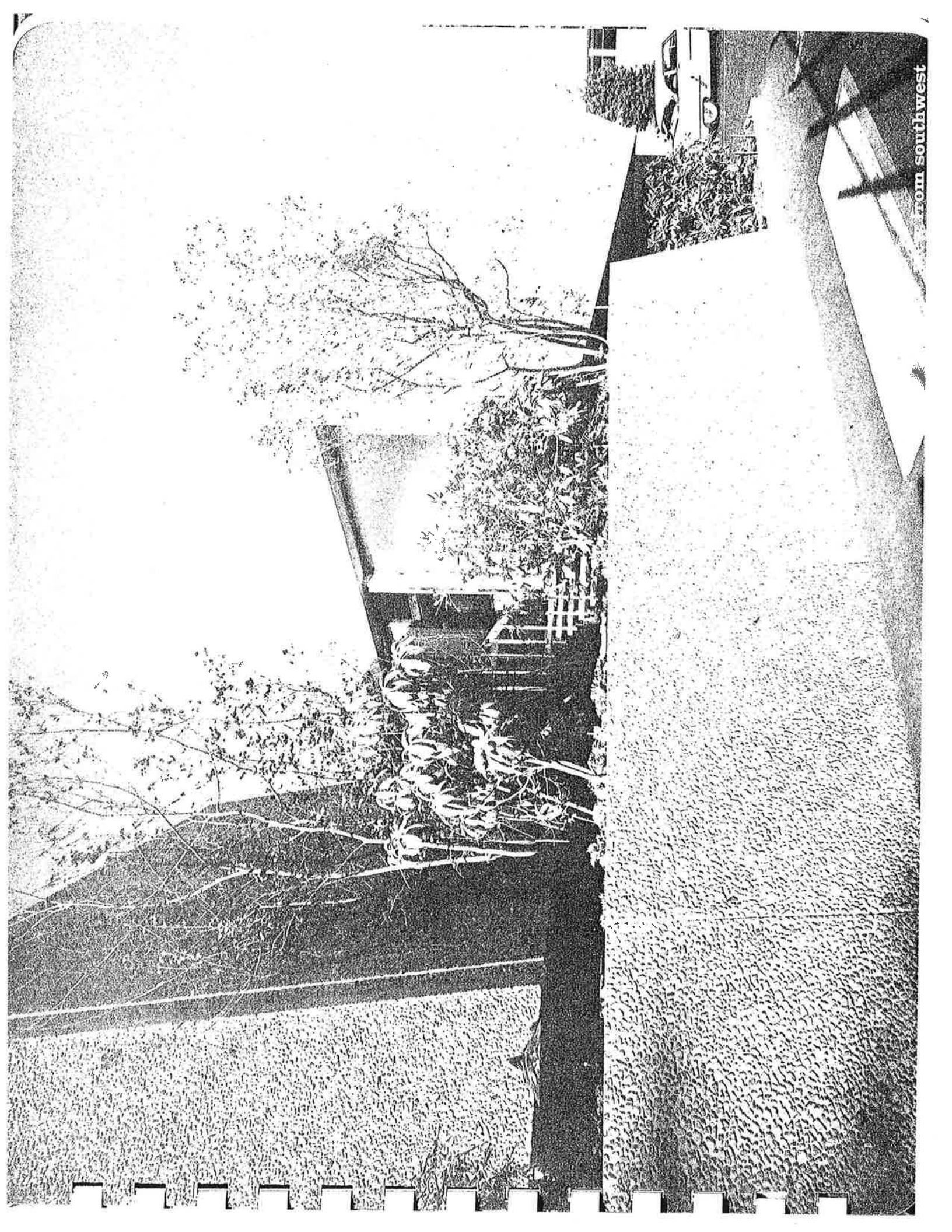


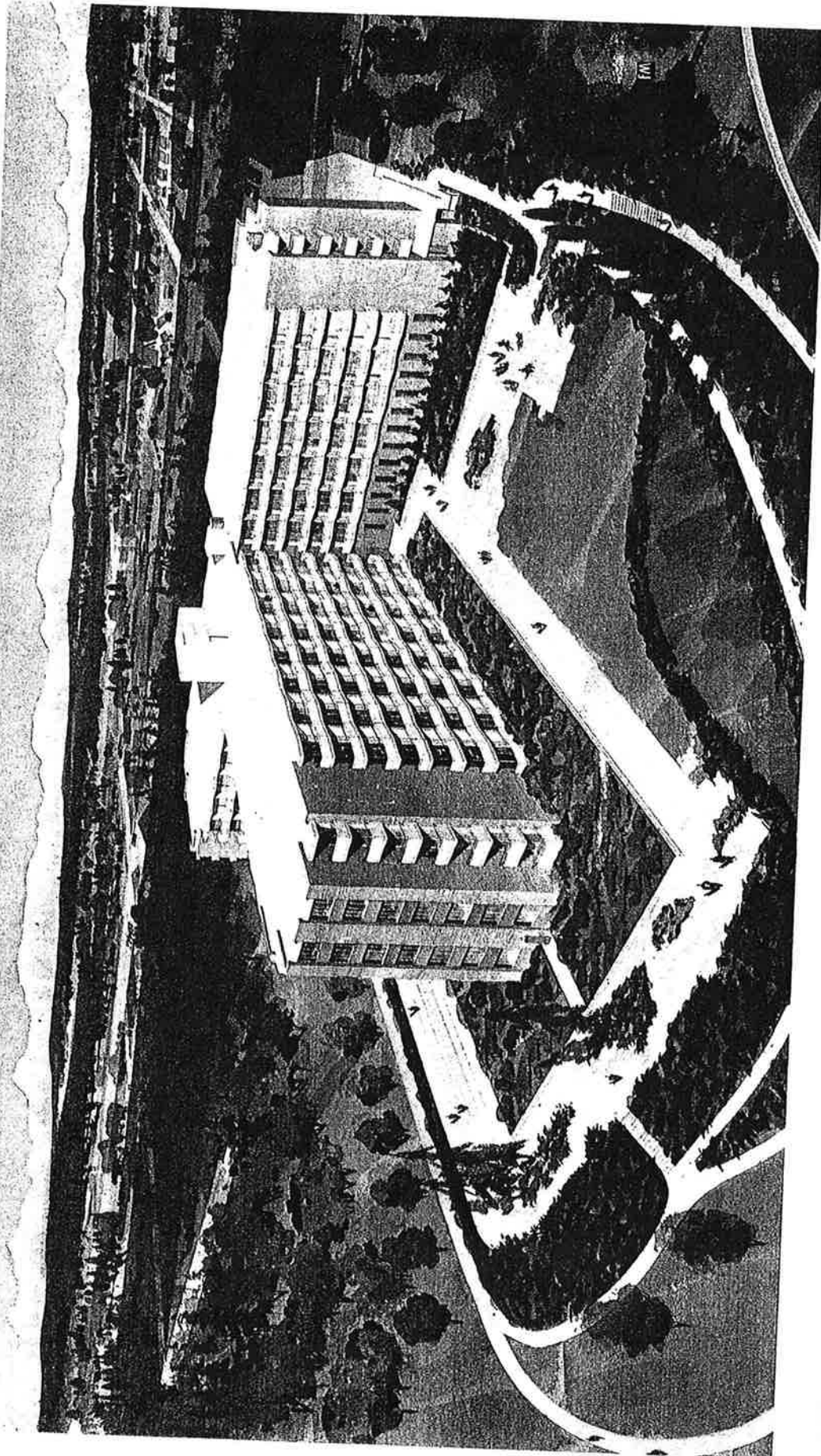
view from northeast



dispatch center

from southwest





FOUR FREEDOMS HOUSE, SEATTLE, WASHINGTON

This building is an apartment house for elderly persons. It contains 310 apartments, administrative offices, community dining and lounge facilities, and community recreation areas, and is designed to provide for the comfortable living and recreational requirements of its occupants.

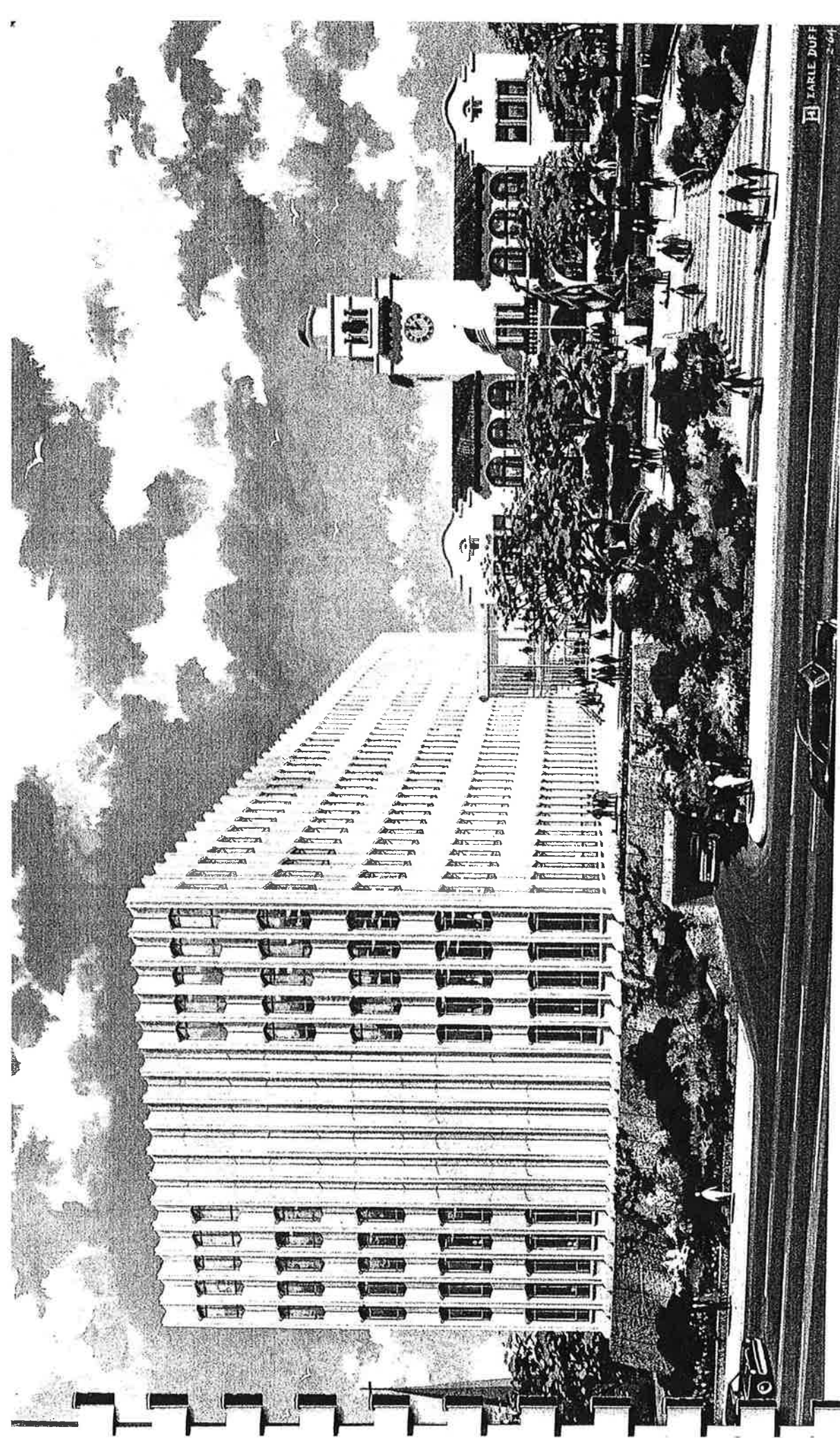
The building is a seven story "lift-slab" structure. Solid portions of exterior walls have

brick veneer, remainder has, in front of each apartment, an aluminum framed glass wall with a sliding glass door which gives access to a balcony with cast stone grilled railing. The grounds have paved terraces and lawn areas developed for outdoor recreation purposes and the entire site is landscaped to provide a park-like atmosphere. Paved walkways lead to the lake front on the west property

Cost: \$3,000,000.00 - Completed: April, 1964

line, where a sandy beach area is located. Surface and underground parking for 232 cars is located on the east and main entrance side. Service entrance is located inconspicuously at the south end of the building.

Community dining and lounge areas are air conditioned, remainder of building has mechanical ventilation and is heated from a central heating plant located in the basement.



PROPOSED SNOHOMISH COUNTY COURTHOUSE ADDITION

The proposed addition to Snohomish County Courthouse will provide 110,000 sq. ft. of new floor space. One entire floor will be occupied by the County Jail and one by the County

Superior Courts. The remainder of the floors will house a series of other county functions such as Assessor, Commissioners, Health,

estimated cost: \$3,500,000 — scheduled construction: Fall of 1964

Law Enforcement, and Schools. The building is designed with a steel structural system with the exterior covered with cast stone.

A PARTIAL LIST OF ADDITIONAL COMPLETED PROJECTS:

PROJECT	OWNER	LOCATION	COST
SPAR MILL FACILITY Installation of spar mills and skin mills with related services for production.	Boeing Airplane Company	Seattle, Washington	\$2,500,000
CENTRAL HEATING PLANT Installation of four 30,000 pound-per-hour oil-fired steam boilers and steam distribution system.	Corps of Engineers	Fort Lewis, Washington	\$600,000
BOMARC MISSILE BASE Missile launching and servicing base.	Air Force	Paine Air Force Base, Washington	\$2,500,000
SUPERSONIC WIND TUNNEL	Boeing Airplane Company	Seattle, Washington	\$460,000
DIESEL STANDBY POWER PLANT Building and installation of 2500 KW diesel generator with auxiliary equipment	13th Naval District	Jim Creek, Washington	\$800,000
INFIRMARY	Corps of Engineers	Eielson Air Force Base, Alaska	\$400,000
BASE MAINTENANCE SHOP	Air Force*	McChord Air Force Base, Washington	\$650,000
MISSILE PRODUCTION FACILITIES Offices and shops for production of the Bomarc missile. 580 tons of refrigeration for air-conditioned offices.	Boeing Airplane Company	Seattle, Washington	\$5,000,000
RELOCATION OF GOVERNMENT FACILITIES Relocation of offices, drafting rooms, etc., for governmental agencies.	Corps of Engineers	Seattle, Washington	\$700,000
OFFICE AND LINE HEADQUARTERS Buildings Serving Branch Offices and Installation and Service Crews for Utility Companies.	Snohomish County P.U.D. Snohomish County P.U.D. Puget Sound Power & Light Company	Stanwood, Washington Monroe, Washington Des Moines, Washington	\$100,000 \$100,000 \$170,000
EXECUTIVE OFFICES Remodeling and Interior Decorating of Existing Office Building.	Puget Sound Power & Light Company	Bellevue, Washington	\$150,000
CAFETERIAS AND RESTAURANTS	Boeing Airplane Company Employment Security Bldg. Four Freedoms House "Smitty's Pancake House" Ben Paris	3 cafeterias Cafeteria Restaurant Restaurant	\$500,000
FEDERAL SUPPLY SERVICE REGION 10, WAREHOUSES Remodeling of and additions to existing buildings. Installation of automatic in-the-floor conveying system.	U.S. General Services Administration	Auburn, Washington	\$1,300,000
REGIONAL HEADQUARTERS Remodeling of existing office building and construction of new addition.	U.S. General Services Administration	Auburn, Washington	\$1,500,000