Building Dedication
November 6, 1983

Westinghouse Electric Corporation
Steam Turbine-Generator Division
World Headquarters

CORNERSTONE

MEET COMMITMENTS

REQUIREMENTS: ON

WORK TOGETHER AS A

ENCOURAGE AND SU

WESTINGHOUSE STEAM TU

FEBRUARY

OF SUCCESS

IN ACCORDANCE WITH

TIME, ALL THE TIME.

TEAM: SYSTEMATICALLY

PPORT ONE ANOTHER.

BINE GENERATOR DIVISION

14, 1982

Dedication

Our drive to achieve complete customer satisfaction through productivity and product quality is underscored by the words on the building's cornerstone...

Meet Commitments in Accordance with Requirements: on time, all the time.

Work Together as a Team: systematically encourage and support one another.

This "Cornerstone of Success" applies to everything we do... to our relationships with customers internally and externally... to every product we produce... from a properly-typed letter on the cover of a proposal to the delivery and installation of a turbine-generator thousands of miles away.

▲
Computer-Aided Design and Drafting Center

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Direction

From concept to detail drawings, the plans for massive steam turbines and powerful electric generators will evolve from this building where Westinghouse engineering scientists can draw on an unparalleled data base.

Using the latest communications technologies, specialists in Orlando will be in constant contact with their factory counterparts to assure absolute conformance to product quality requirements. Materials procurement and scheduling will be directed from the Orlando Operations Control Center. Incoming parts orders will be assembled and packaged at a central warehouse to assure customer satisfaction.

That same capability will keep field service personnel on top of every Westinghouse job at every customer utility in the world.

The Orlando Diagnostic Center will bring together the combined talents of the division for on-the-spot problem solving designed to respond instantaneously to the power generation needs of communities everywhere.

▲ Interactive Parts Management System

Diagnostic Center Conference Room ▶

▲ Artificial Intelligence Laboratory

◀ Diagnostic Center Customer Laboratory


DIAGNOSTIC CENTER
UNIT:
RATING:
TYPE:
WATER COOLED

Innovation

Painstaking care was given to detailed utilization of the latest innovations in human productivity and motivation. The open feeling of the building is evident from the moment one enters the lobby backdropped by a sunlit atrium.

Openness was a design criterion for the architect... to achieve a working environment in which professionals come together in a stimulating atmosphere geared to productive use of time and space.

This is a building that works ... that supports and reinforces its inhabitants, their mission and their customers. It puts the tools of efficiency within reach of all who need them.

Information systems geared to an international marketplace provide answers at our fingertips. Access to these systems is through a network of terminals linking professionals at their desk with any of the many data bases they may need.

We are supported by an Information Center designed to educate all who need its resources to become self-sufficient users. Basic to the concept is the ability to interlink all of these data sources for maximum efficiency.

Office systems such as word processing, electronic mail, and a video information network are interconnected to make the greatest possible use of human resources.

Whether double-checking an order entry, retrieving a drawing from microfiche files or monitoring a job in progress, the design strives to totally systematize activity and eliminate needless physical distraction.

Utilizing Westinghouse open office furniture, our associates are provided with individual space and office resources to capitalize on their own specific functional needs.

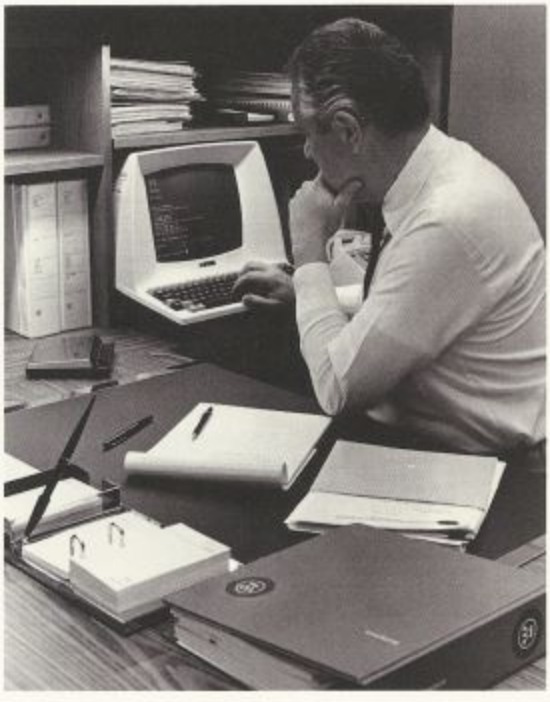
Effectiveness

Our new headquarters is the first totally new Westinghouse facility built with a primary goal of achieving a step change in white collar organizational effectiveness.

The key characteristics of an effective organization are productivity, quality and customer satisfaction.

From this progressive office complex, across from the growing, technologically-oriented University of Central Florida, the Steam Turbine-Generator Division will direct the development, manufacturing, sale and installation of state-of-the-art electric power generating equipment for utilities worldwide.

You can be sure...
if it's Westinghouse



Building Facts

The Steam Turbine-Generator Division headquarters complex occupies 72 of 472 acres owned by Westinghouse. The building footprint and parking lot account for approximately 28 of those acres.

The fan-shaped building is four-stories high in the center, with a three and a two-story section on either side of the center section. Each floor has a different square footage. There is a 55-foot high atrium in the center core.

Why This Design?

The architect was directed to design a building which:

- Is functional, practical, permanent and aesthetically powerful
- Is innovative and bold enough to showcase the future in the present
- Improves upon, rather than detracting from the existing natural environment.

Statistics:

- Building Area—257,000 square feet
- Center Line Arc Length—608 feet
- Tower Height—59 feet 9 inches
- Clerestory Height—57 feet 3 inches
- Building cost—$15 million

The building will initially have 898 work stations and is designed eventually to house a maximum population of 1,067. It is fully air conditioned utilizing two chillers, each rated at 295 tons (590 tons total). Heating, when needed, will be provided by electric fan coil units on the perimeter. Four cooling towers are located on the roof, in the towers.

Electrical demand will be approximately 2,000 kw. The building has a 400 kw diesel-driven emergency generator to provide emergency power and computer system power during outages or during periods of low voltage. The building is lightning protected.

Lighting is centrally controlled from the security office. Each end of the work bays may be controlled separately and two levels of light may be provided to each bay.

The building has a fully-equipped kitchen and dining room—more than 30 conference rooms of varying sizes, and a video communication system reaching conference rooms, the dining room, and public areas. There are four passenger elevators.

Landscaping, which utilizes vegetation native to the property, is provided with irrigation from Lake Ebby, a constant-level, spring-fed lake to the west of the building.

Construction Data:

The building is a post-tensioned, reinforced concrete structure utilizing post-tensioning in the integral beams and floor slabs.

- All poured concrete—post-tensioned
- Double column construction—three bays wide
- 116 column footings—plus towers & shafts
- 608 feet long—width varies 137 to 163 feet
- Main entrance second floor—entries in each of six towers

The Interior:

We have utilized open office furniture and encouraged interaction with five-foot high Westinghouse Furniture Systems Division partitioning. Power "poles" have been eliminated through use of flexible cord electrical distribution.

The open office concept enhances the ability to see outside to either the lakefront lawn or the wooded surroundings of the parking lot from almost any point within the building. The minimum of floor-to-ceiling walls permits a line of sight along both sides of the center core of the building, which contains conference rooms, electrical and elevator facilities, and other common equipment.

The layout has been designed to allow for departmental growth without disturbing other neighboring departments.

Design and Construction Team:

- Architect—William Morgan Architects, Jacksonville
- Structural Engineer—Tilden, Lobnitz, Cooper, Orlando
- Electrical/Mechanical Engineer—Roy Turknett Engineering, Jacksonville
- Civil Engineer—Richard Carlson, Jacksonville
- Landscape Architects—Herbert/Halback, Orlando
- Interior Design—Interspace, Inc., Tampa
- Interior Layout—Sal Branella, Westinghouse, Orlando
- General Contractor—Scandia, Inc., Altamonte Springs
- Mechanical Contractor—S.I. Goldman, Orlando
- Electrical Contractor—Tri-City Electric, Orlando

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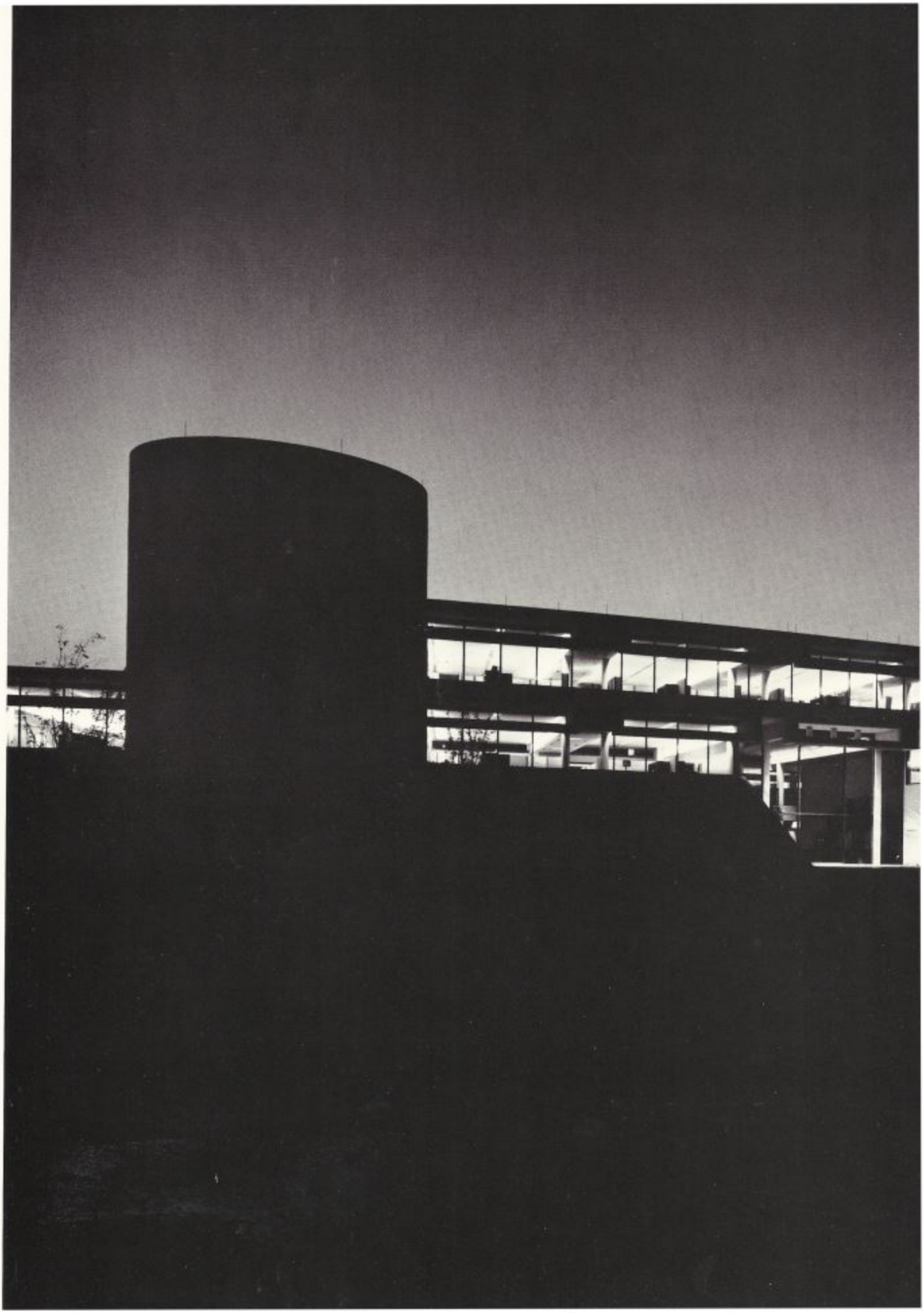

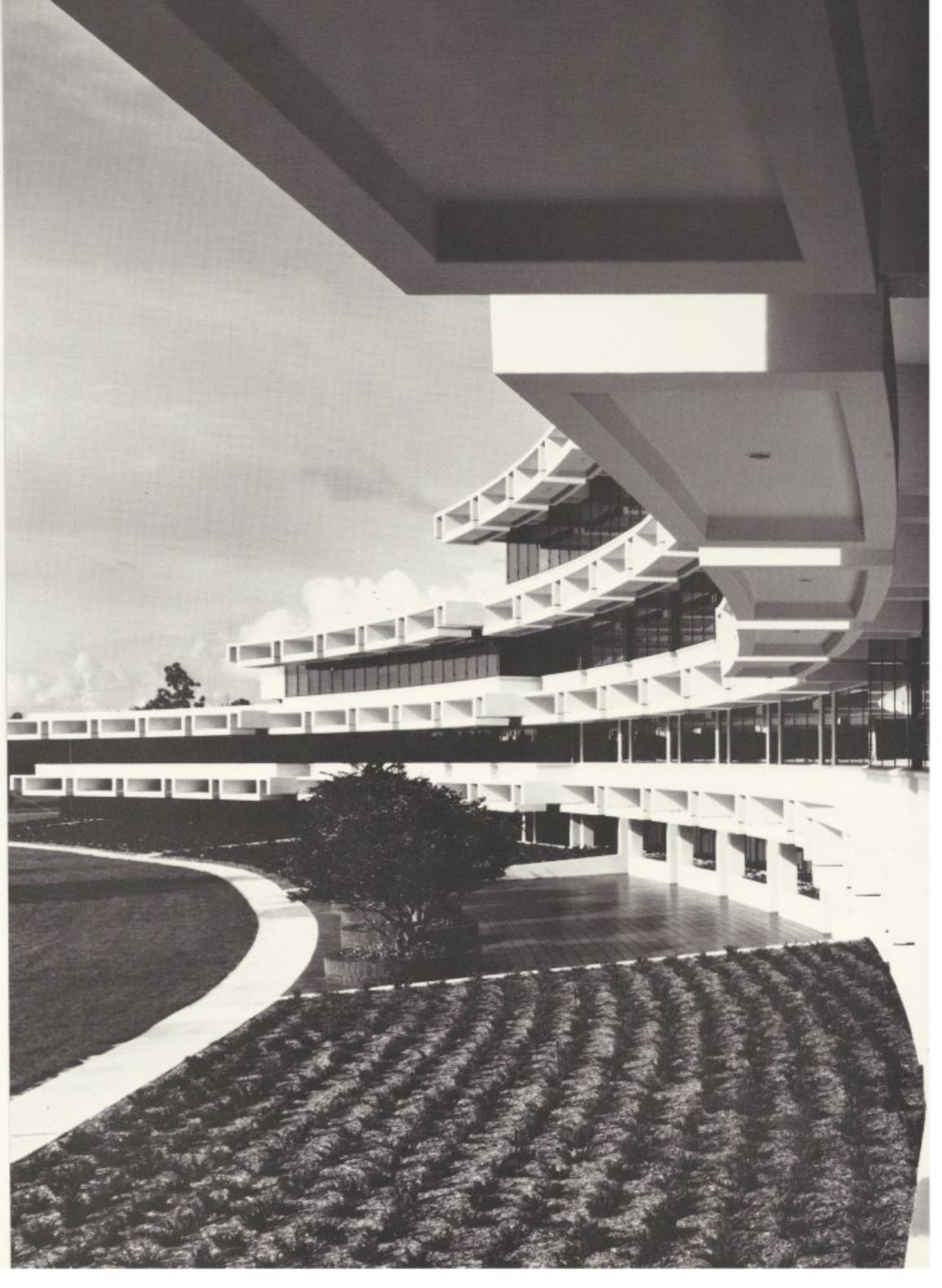

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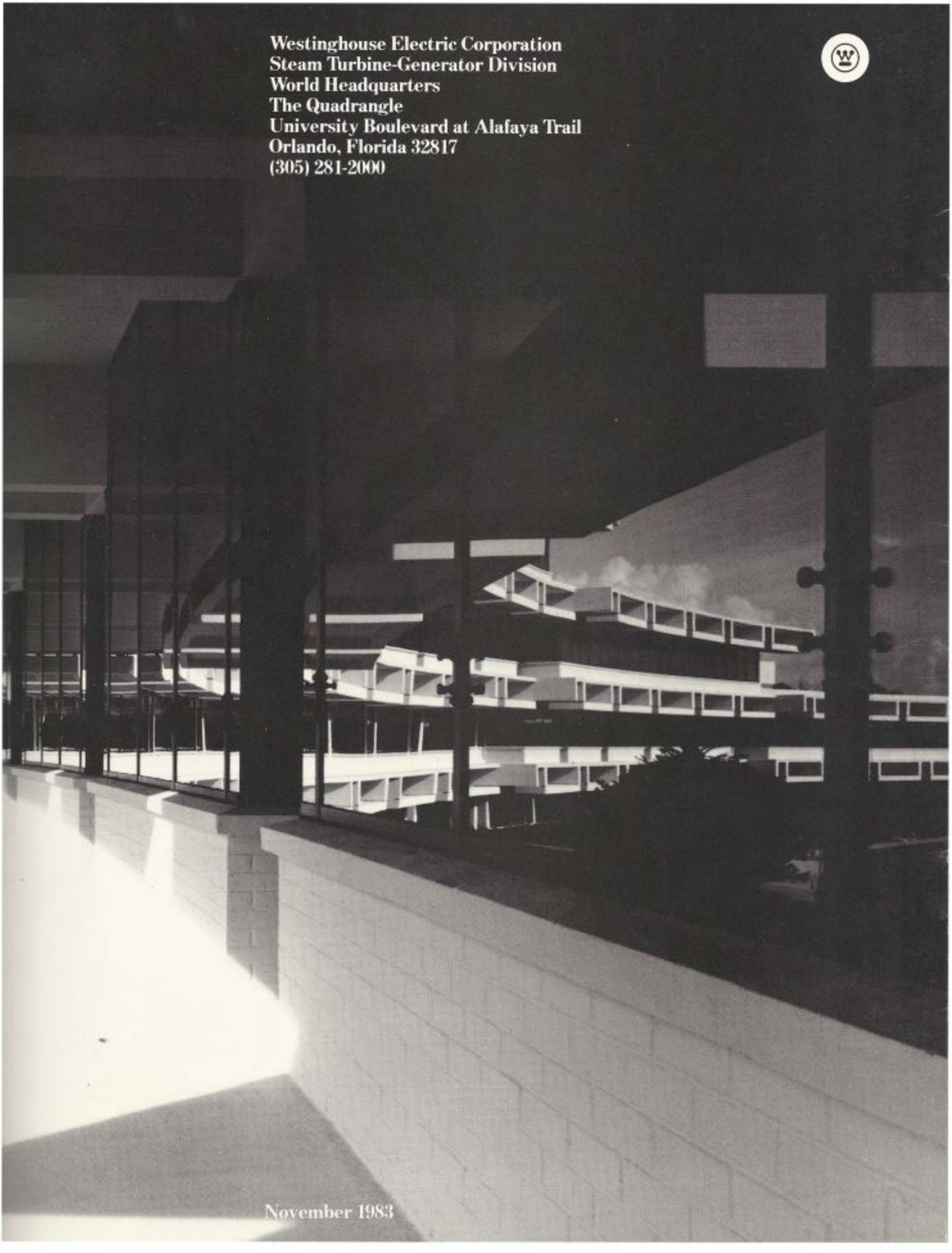

November 1983