

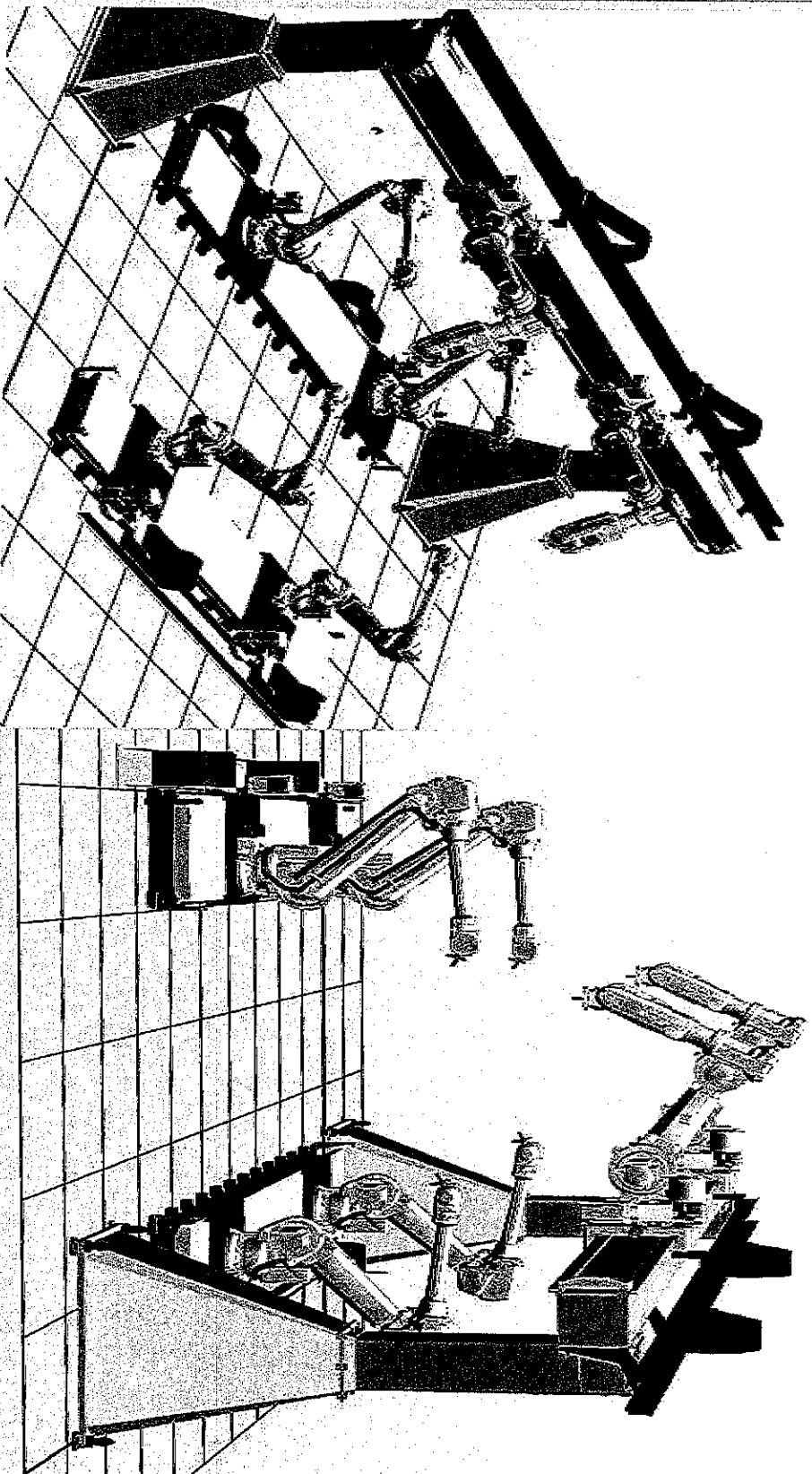
Wichita State: Driving the economy, building a globally competitive workforce

Change Creating Major Issues

- Area economy tied to a few major industries
- Aviation facing increased competition and changes in production technology
- As many as 30 thousand workers expected to be displaced over the next 20-30 years; Boeing, Bombardier examples of future changes

- Manufacturing increasingly centered on robot-based technologies and new materials requiring less labor
- Wichita in top five metropolitan areas in GDP percentage derived from global trade

I WSU'S NEW ADVANCED MANUFACTURING SYSTEM EMPLOYS NO ASSEMBLY WORKERS



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Change Creating Major Issues

- Areas of Kansas becoming more diverse (e.g., Dodge City and Garden City) without services to support the level of new migrants
- Population becoming much more urban, focusing on NE edge of state
- Population aging rapidly
- Slow state population growth

Change Creating Major Issues

- Migrants to Wichita tend to be under-educated and lack competitive skills
- There is a negative net migration of young educated people from the state
- Job growth is slower

Two Major Trends

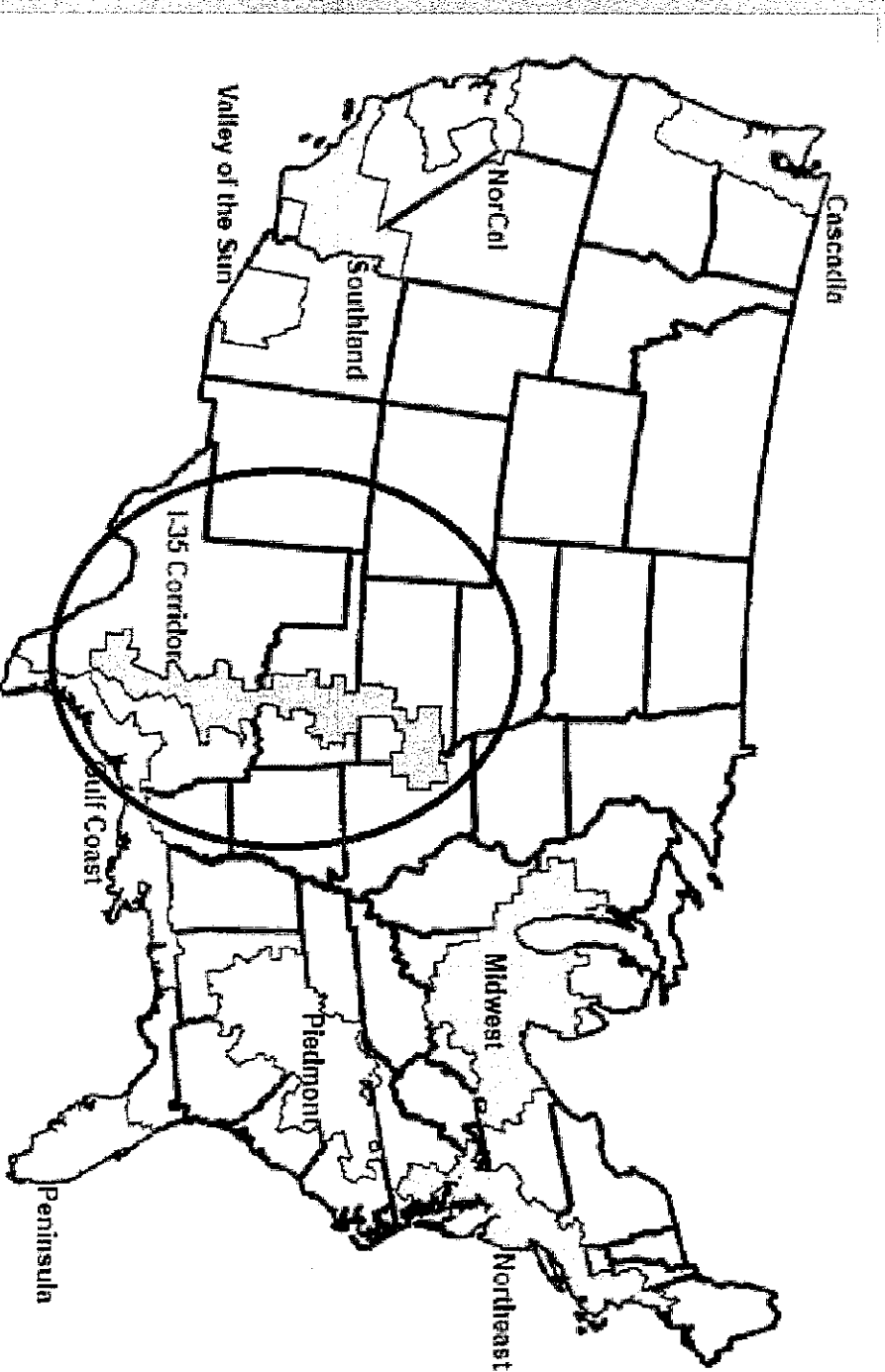
Globalization



Regionalization

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Megapolitan Regions



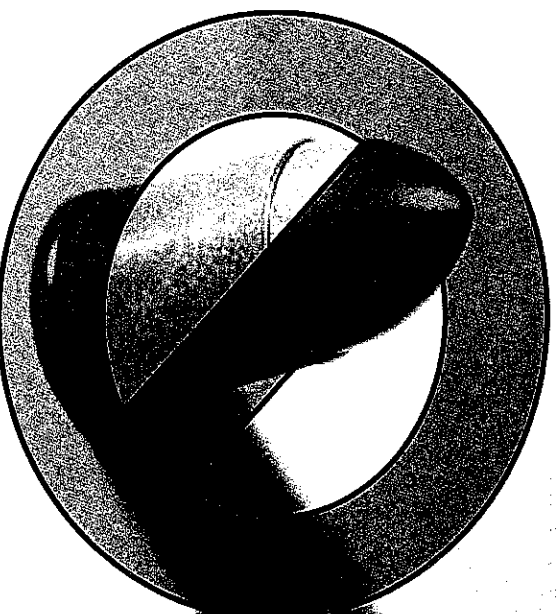
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The Challenge

- Globalization, Digitization, and Regionalization
 - An “Economic Tsunami,” but also a “Social and Political Tsunami”
 - Experiencing “Great Change” matched only by the Industrial Revolution

The map for the future of higher education strategy is radically different than that of the past

**American competitiveness is based on linking
educational achievement, economic
innovation, and inclusion...there is no “silver
bullet”**



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Innovation and Entrepreneurship

“Very few Americans are aware that small and medium-size businesses are responsible for most of the jobs in America”

(Jim Clifton (2011), The Coming Jobs War. New York: Gallup Press, p.29)

The source of wealth

“Real wealth is based on the ‘the goods and products we wish to consume or of the things (factories, machinery, and educated workforce) that give us the ability to produce more such goods and services.’ ”

(Richard Florida (2010) The Great Reset. New York: Harper Collins, p. 111)

Key “New Economy” Structures

- Magnitude of the state-level New Economy
- Business Innovation
- Education-linked Innovation

Effective Economic Innovation is Based in Clusters

Existing South Central Kansas Clusters

- Aviation
- Oil & Gas Production & Transportation
- Heavy Machinery & Metals (excludes aircraft)

Effective Economic Innovation is Based in Clusters

Clusters – Emerging & Growing

- Agriculture Inputs & Processing
- Transportation & Logistics
- Data Systems
- Advanced Materials: Composites, Metal Alloys, Plastics, Soy Polymers

Innovation Campus

Vision:

Wichita State University is internationally recognized as the model for **applied learning** and research.

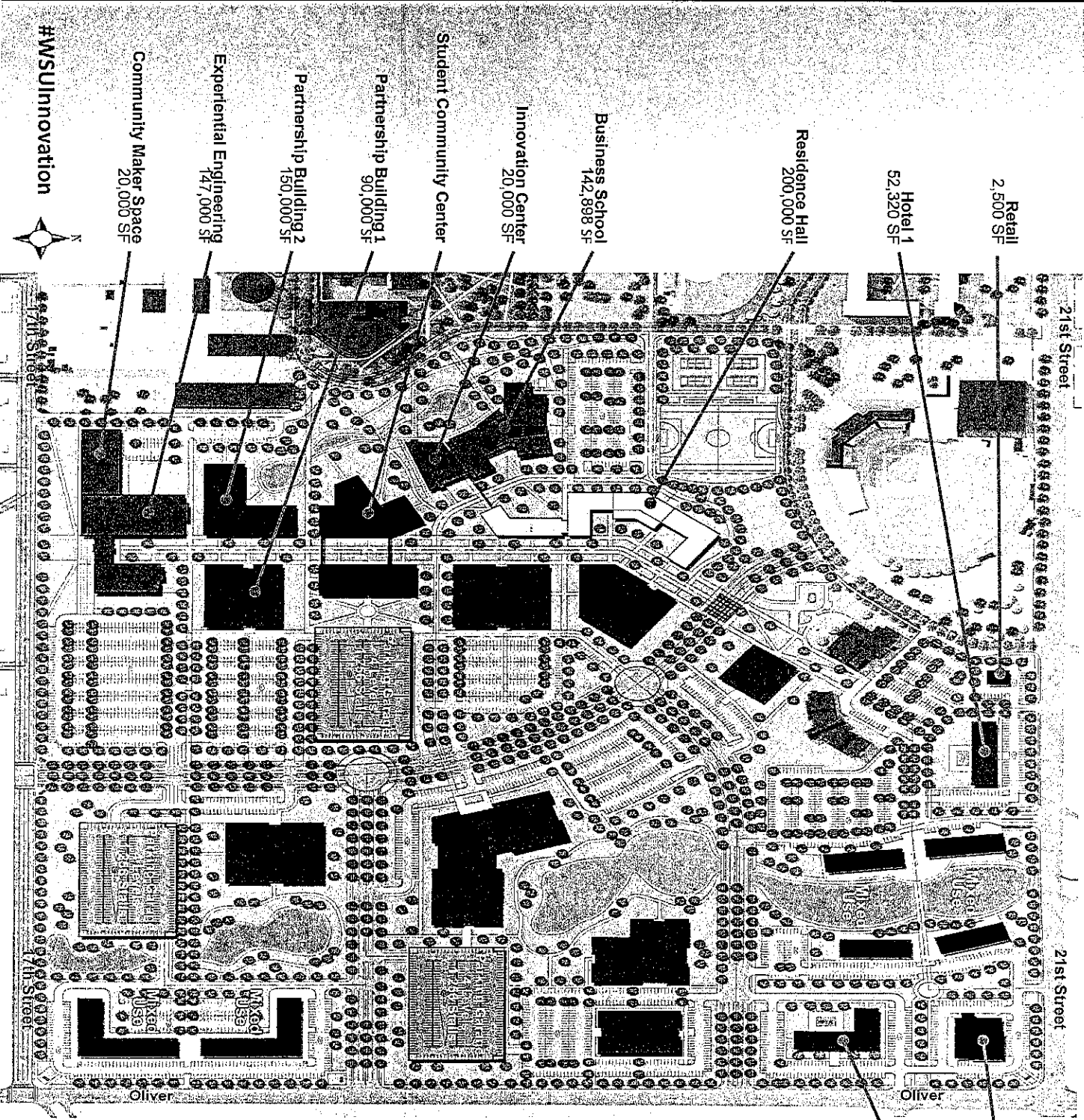
Mission:

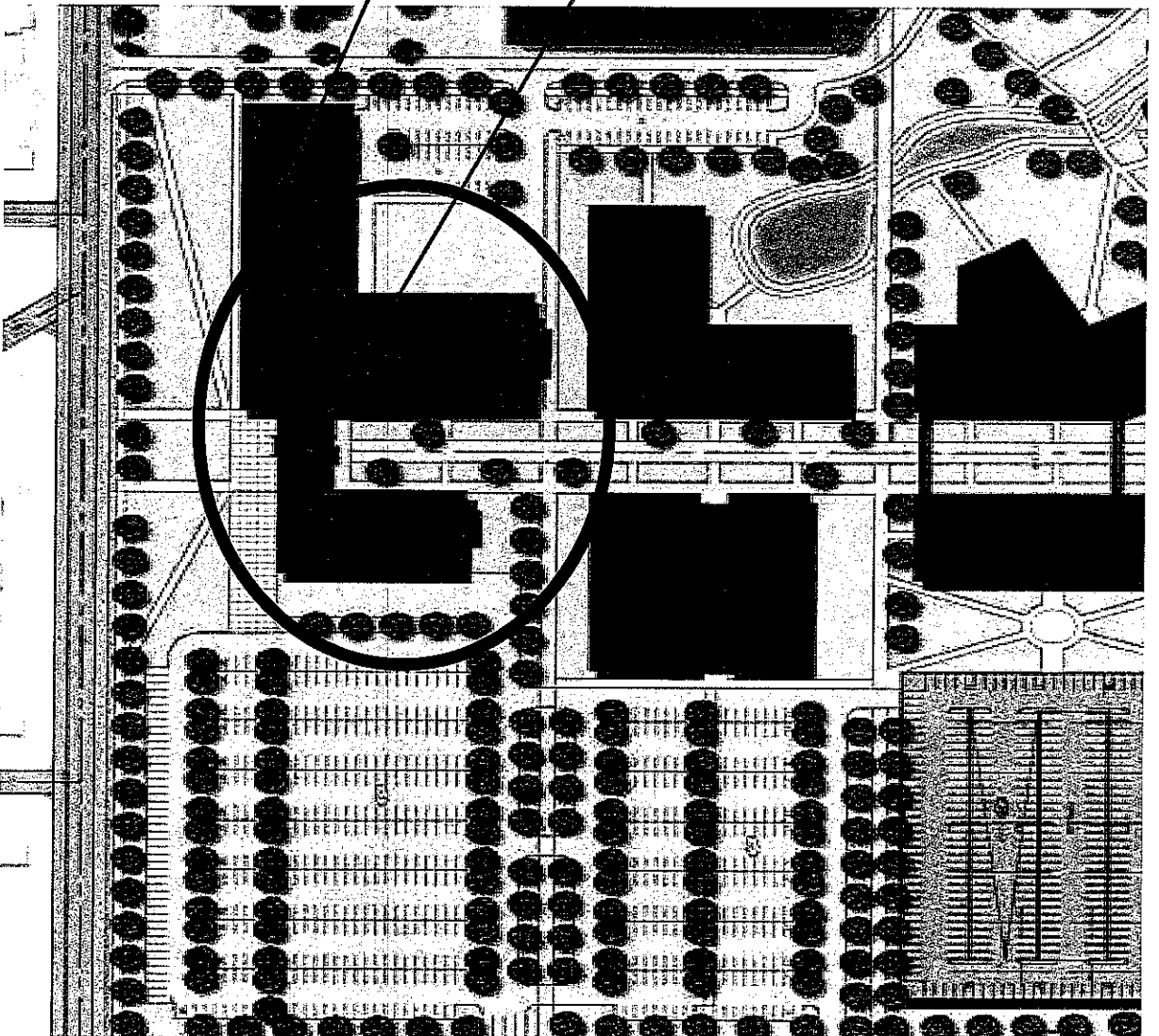
The mission of Wichita State University is to be an essential educational, cultural and **economic driver** for Kansas and the greater public good.

What is the Innovation Campus:

- Promote startups based upon new ideas
- Support existing business growth in the region
- Grow a workforce for the future to serve both

Master Plan





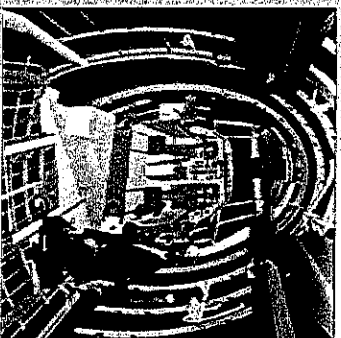
Experiential Engineering
147,000 SF

Community Maker Space
15,000 SF

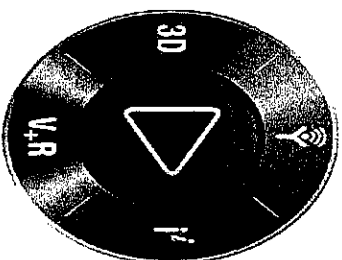
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Enabling the Future

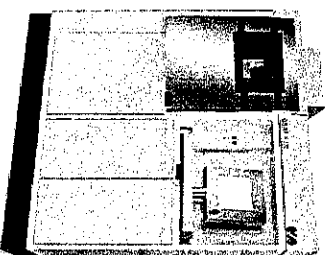
Innovate the Future of Product Development
and Advanced Manufacturing



Immersive
Technologies



3DEXPERIENCE®



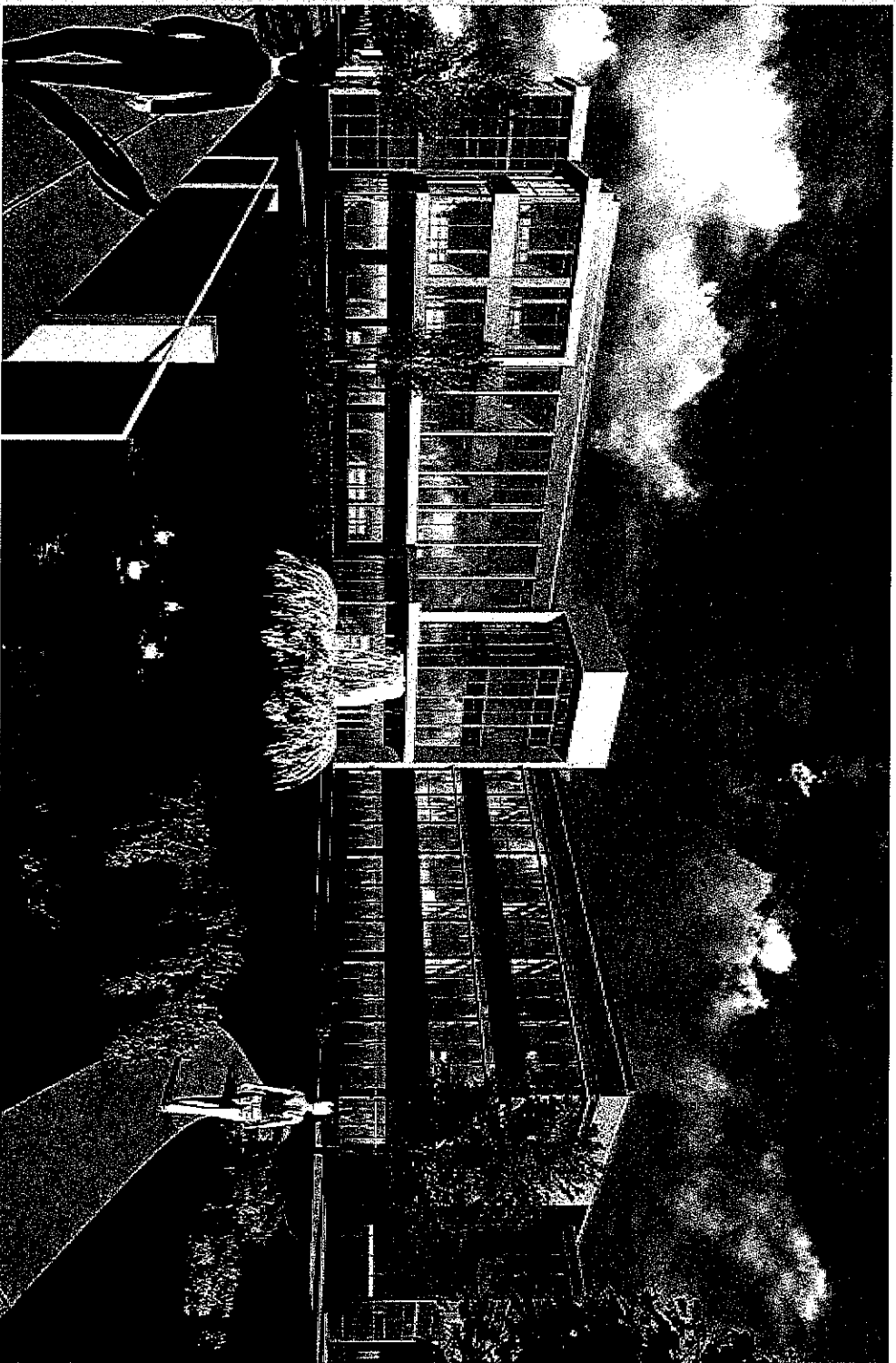
Additive
Manufacturing



Robotics

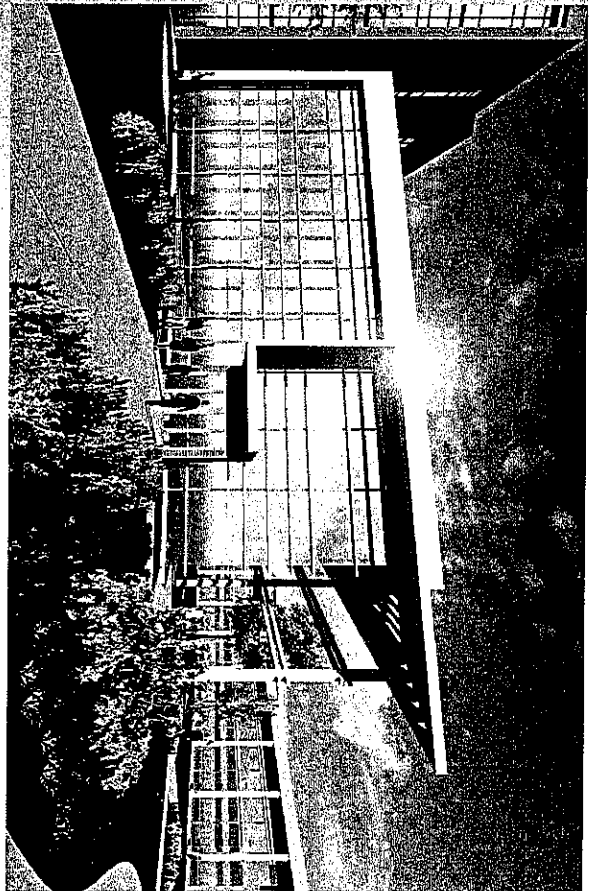
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Business School

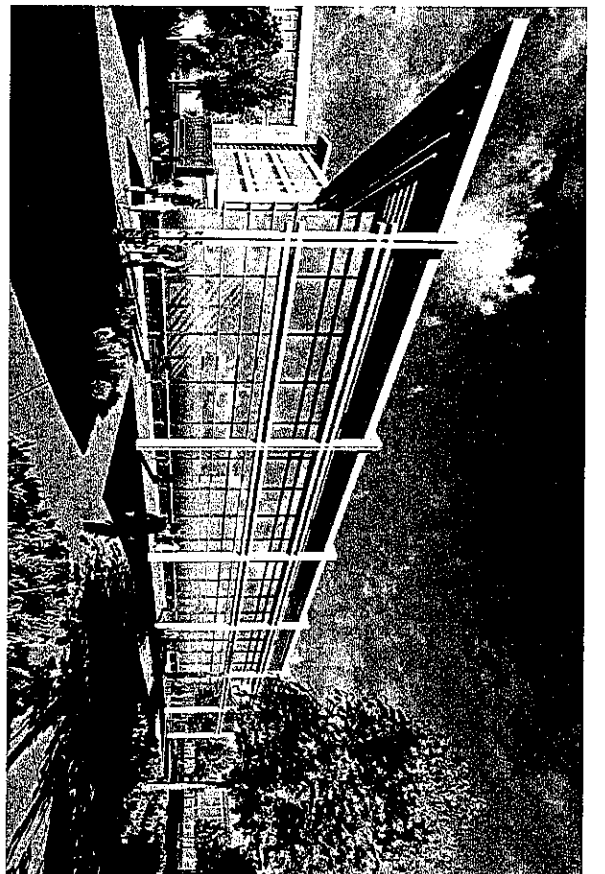


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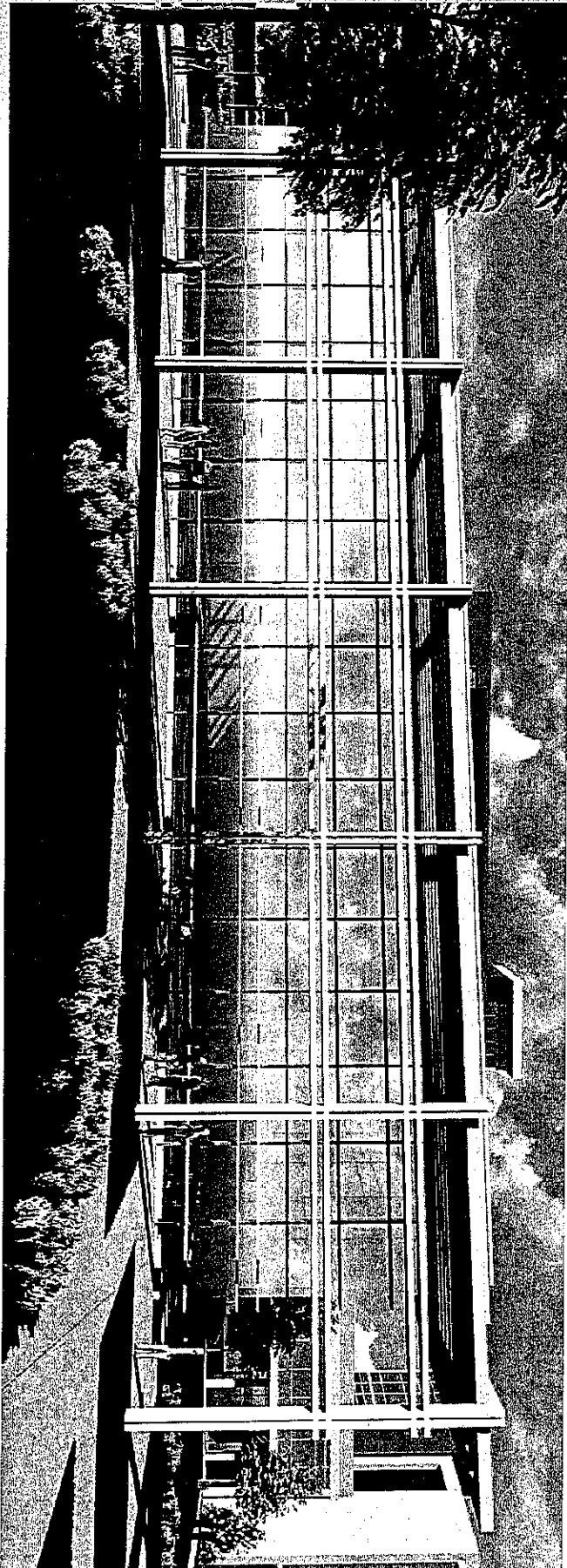
Innovation Center



View from West



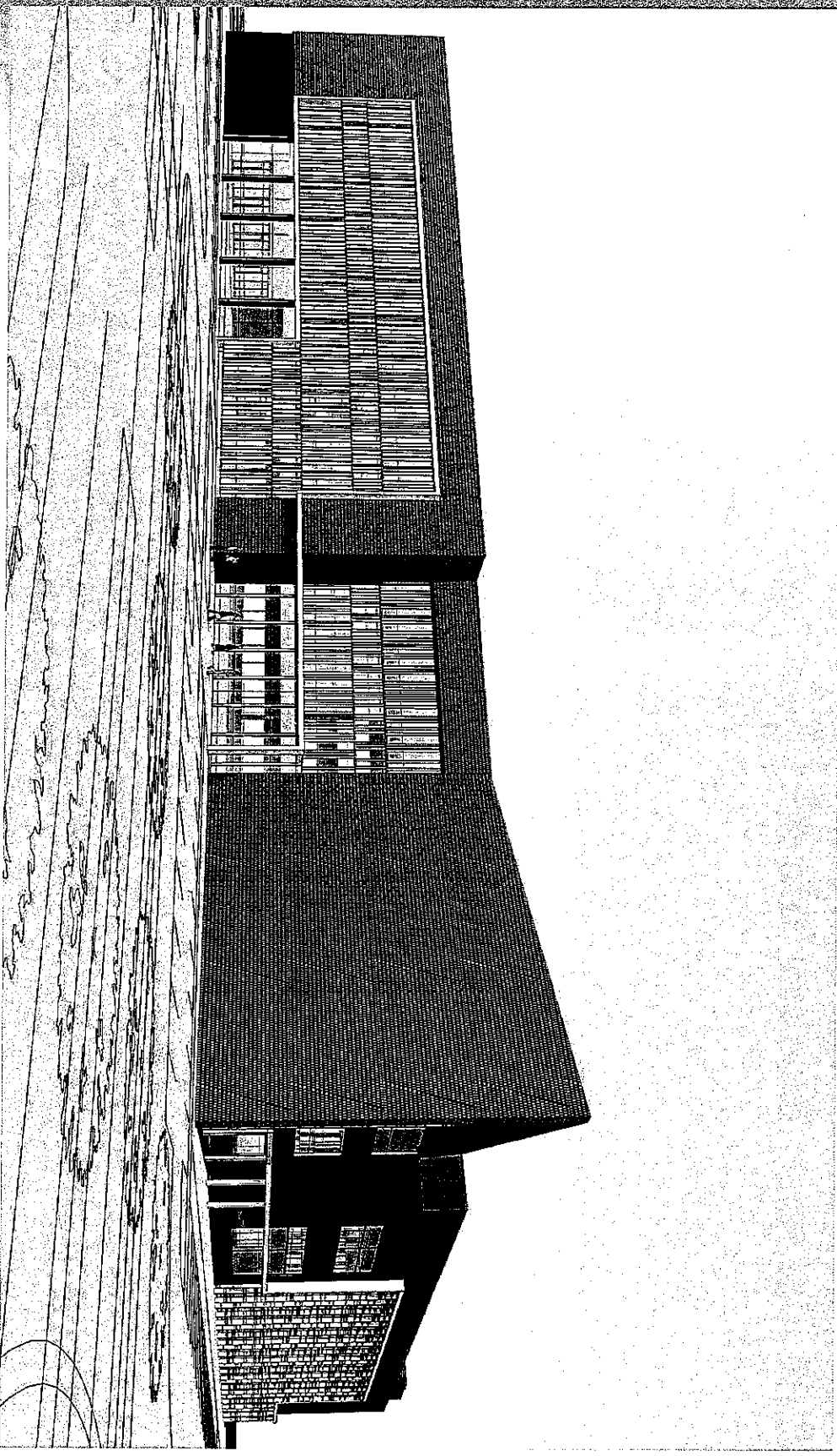
View from Southwest



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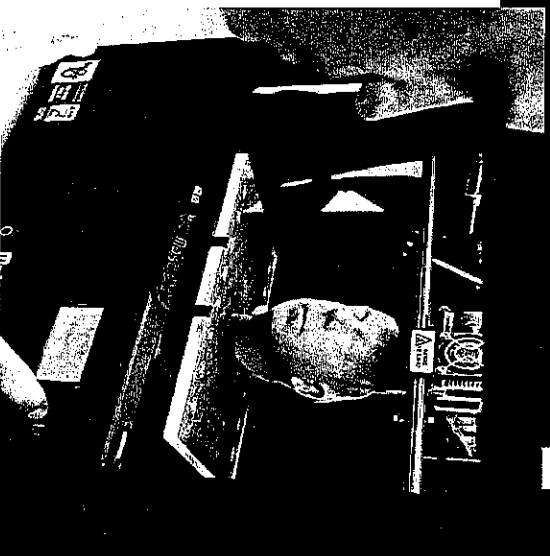
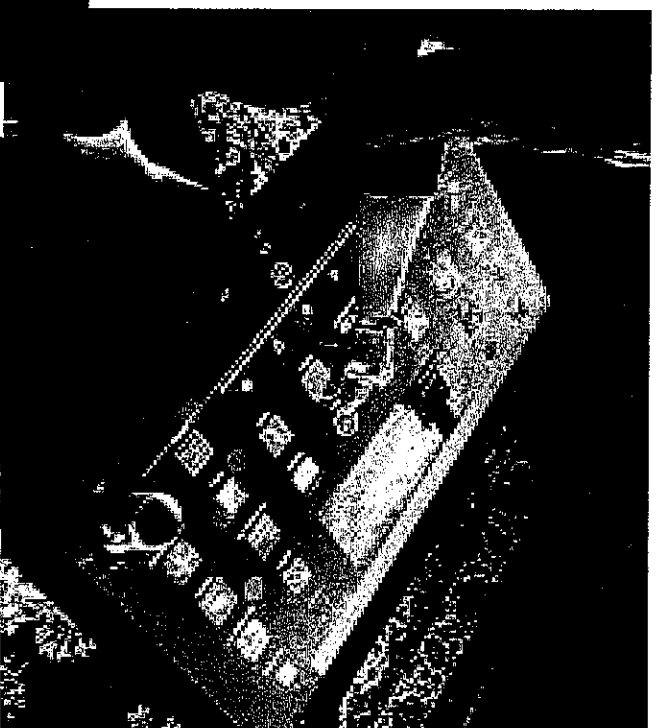
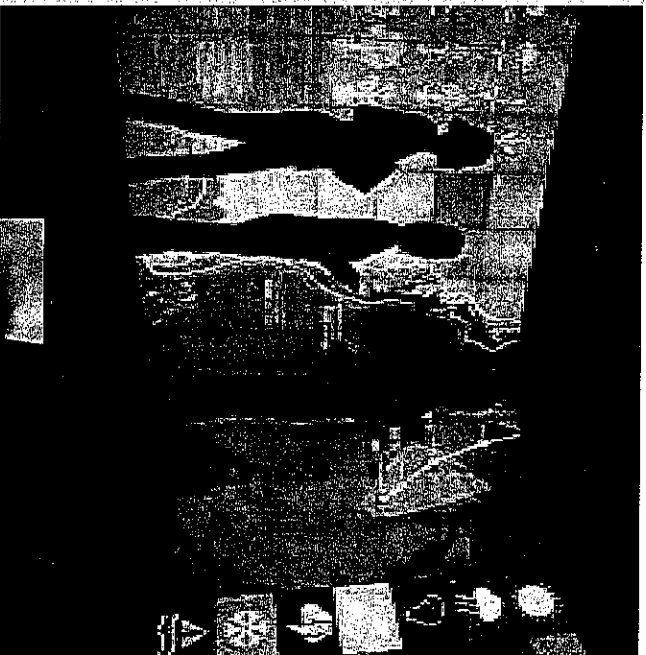
Innovation Center
View from South

Partnership Building



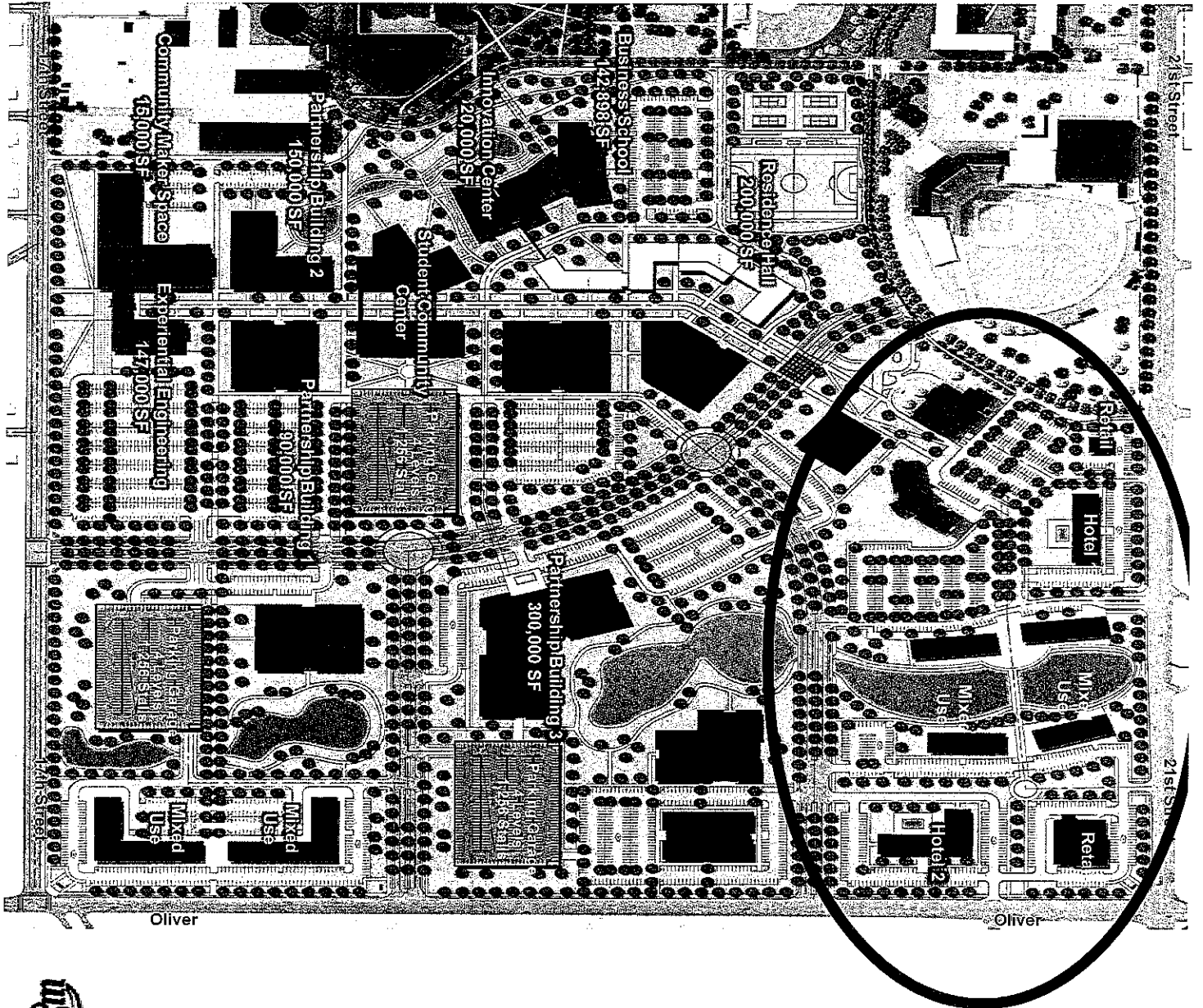
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Innovation Center

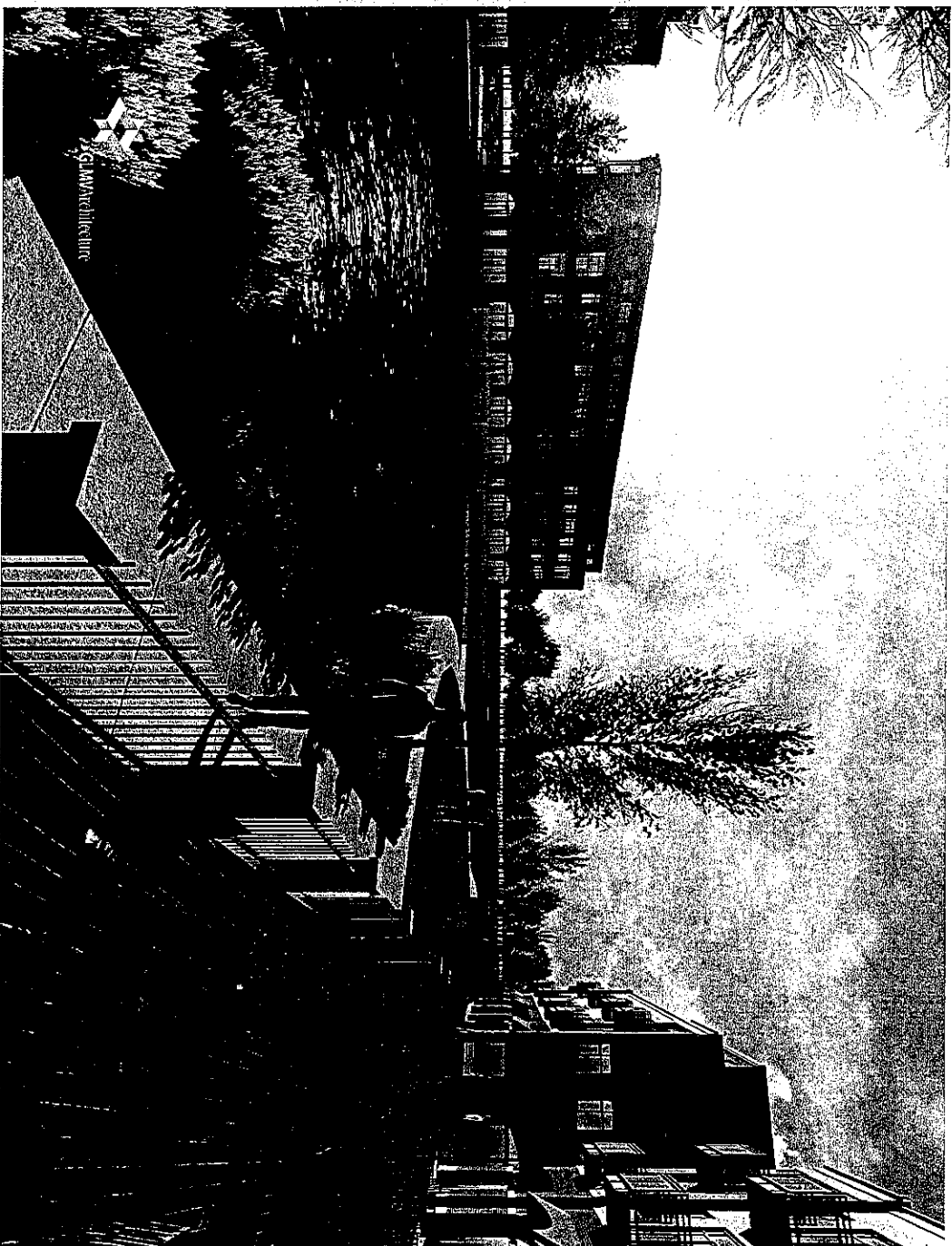


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Lakeside Dining



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Envision...

A university where creativity, innovation,
entrepreneurship and technology are
making the future.

That is Wichita State!

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