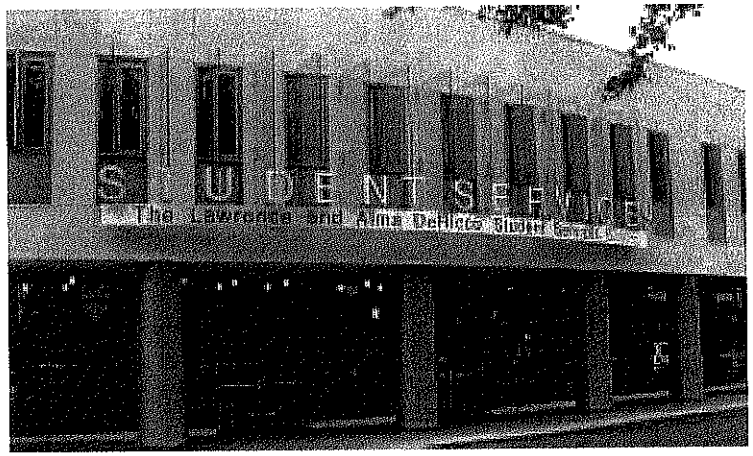
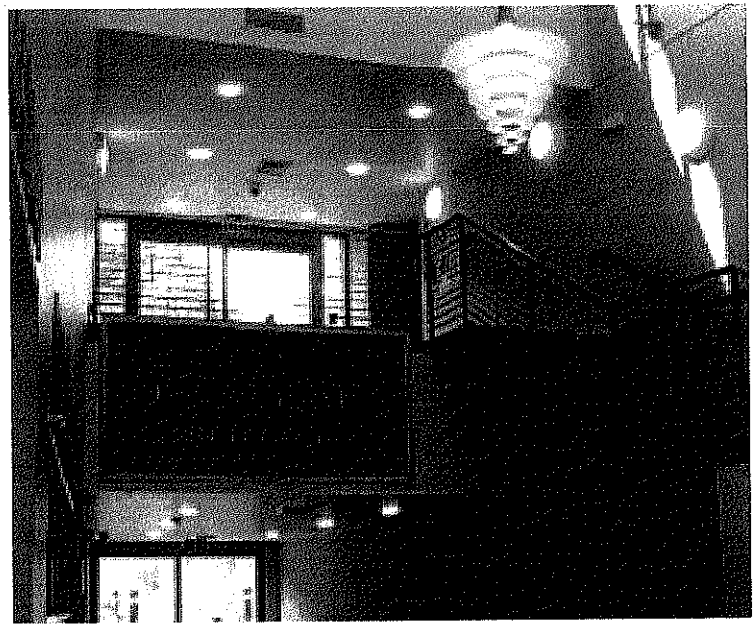
- Need Building Committee in case where diverse groups occupy single building
- Provide sufficient program information in addition to design information
- Clear launching pad for design build proposals and construction documents
- Design Development Review
- Balancing cost early in the programming and design process
- Optimizing Value within the Bridging documents for future proposals



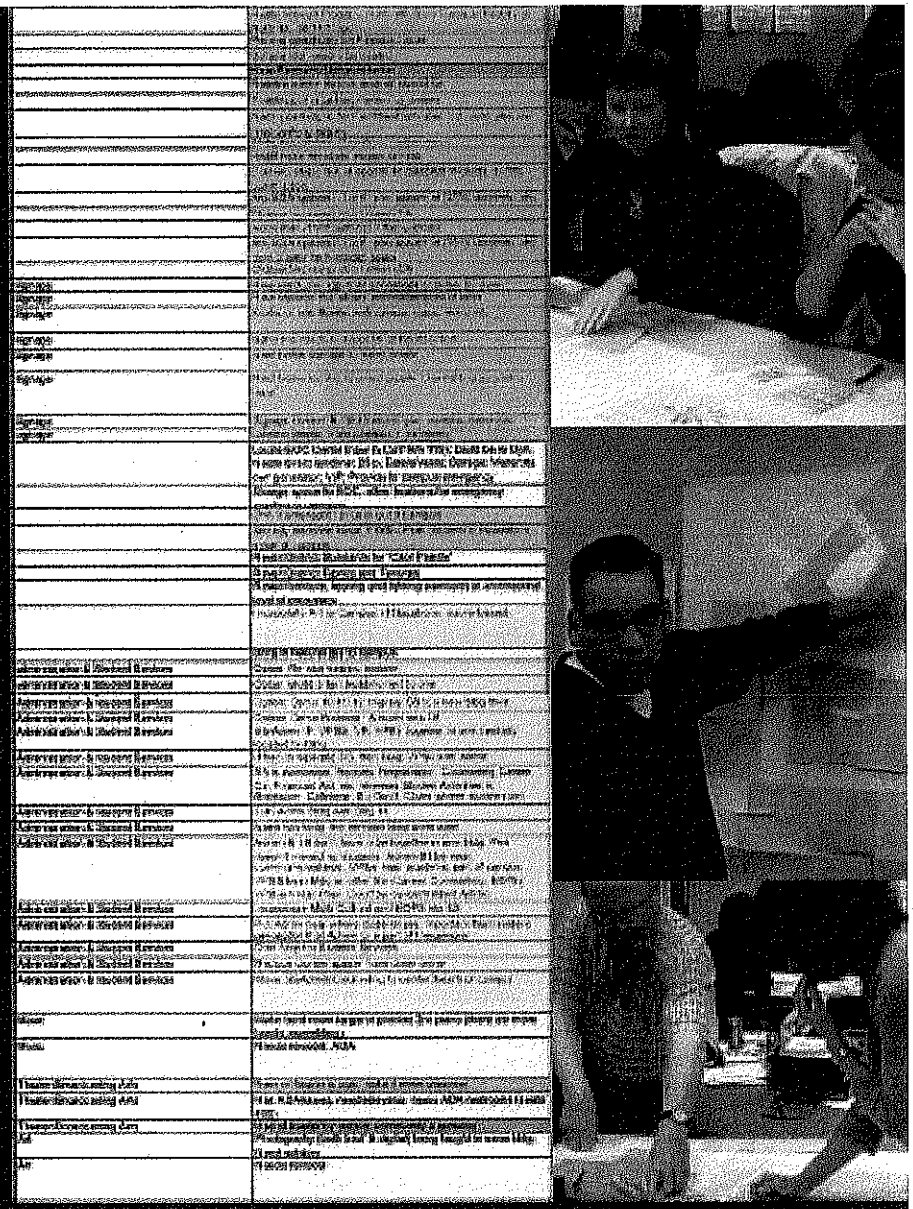


Lessons Learned

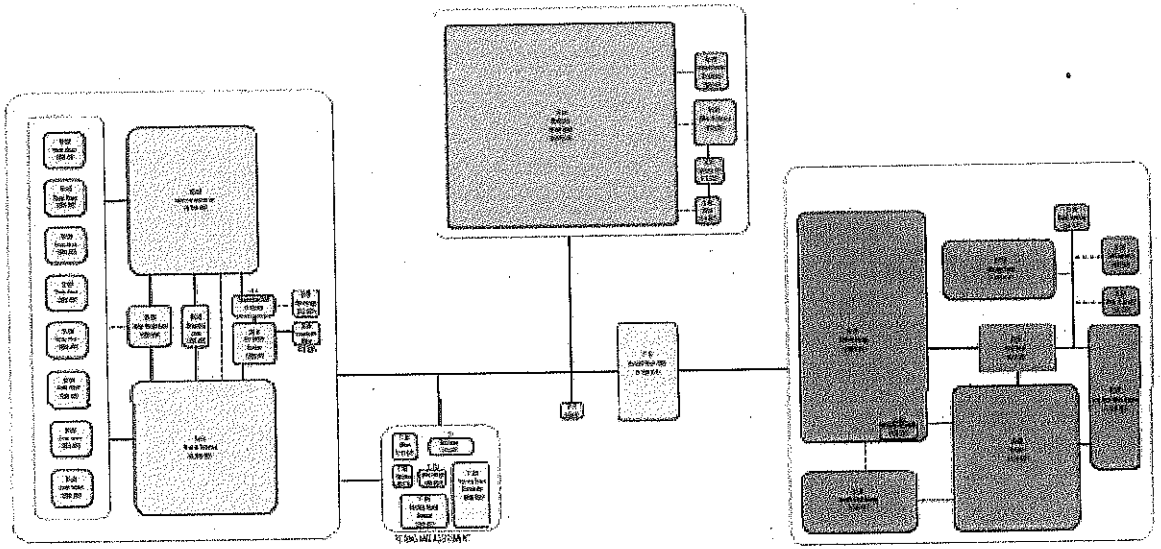
Programming

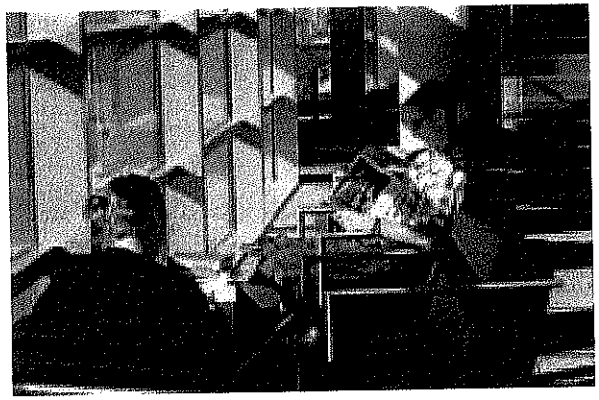
"Listened, observed, and understood our vision... leading to a very satisfying building for our campus and community"

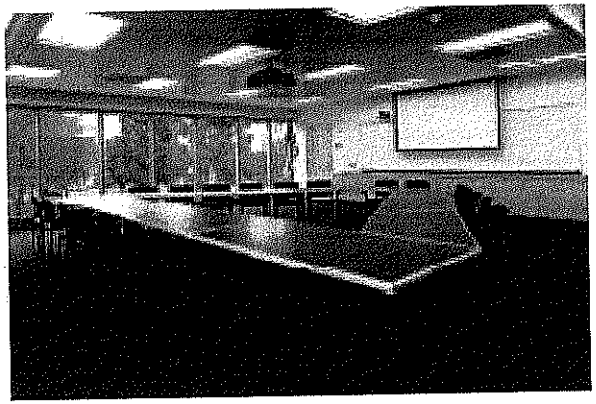
- Vicki Atherton | Library Director



Listening | Exploring | Considering | Visualizing

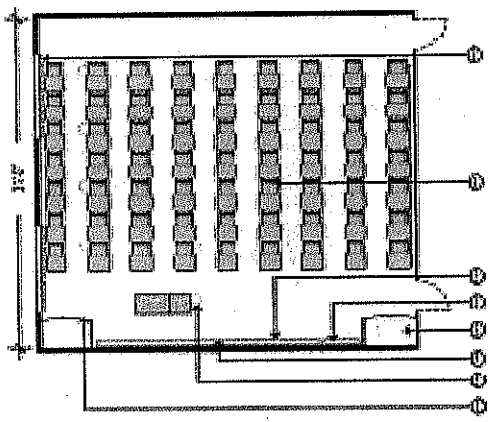






Listening | Exploring | Considering | Visualizing

Planning Flexibility

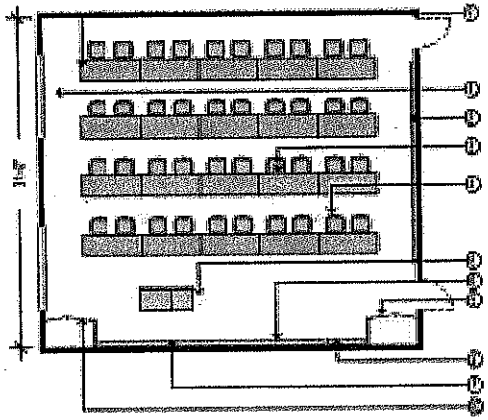


LEVEL II - LECTURE
(60 STUDENT STATIONS AT 18SF/STATION)

LEGEND
1. LOCKABLE STORAGE CABINET
2. SHADES AT EXTERNAL WINDOWS
3. BULLETIN BOARD
4. CEILING MOUNTED VIDEO/DATA PROJECTOR W/ NETWORK CONNECTIVITY (BUILT-IN READY TO UTILIZE)
5. AUDIO VISUAL EQUIPMENT RACK
6. MOTORIZED PROJECTION SCREEN 4'-6" X 8'-0"
7. WHITEBOARD
8. FLUSH MOUNT AV / DATA FLOOR BOX FOR LECTERN CONNECTIVITY

NOTE: ZONED LIGHTING WITH FRONT/BACK SWITCHING

1080 SF Classroom

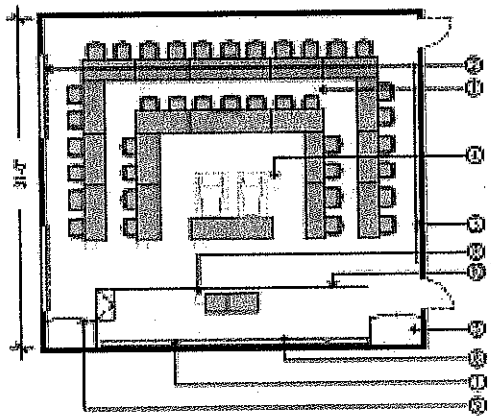


LEVEL II - LECTURE
(40 STUDENT STATIONS AT 27SF/STATION)

LEGEND
1. SHADES AT EXTERNAL WINDOWS
2. BULLETIN BOARD
3. CEILING-MOUNTED VIDEO-DATA PROJECTOR W/ NETWORK CONNECTIVITY (BUILT-IN READY TO UTILIZE)
4. CEILING LOUDSPEAKERS
5. AUDIO VISUAL EQUIPMENT RACK
6. MOTORIZED PROJECTION SCREEN 4'-6" X 8'-0"
7. WHITEBOARD
8. FLUSH MOUNT AV / DATA FLOOR BOX FOR LECTERN CONNECTIVITY
9. POWER AND NETWORK CONNECTION IN FLUSH FLOOR BOX
10. LOCKABLE STORAGE CABINET

NOTE: ZONED LIGHTING WITH FRONT/BACK SWITCHING

1080 SF Classroom

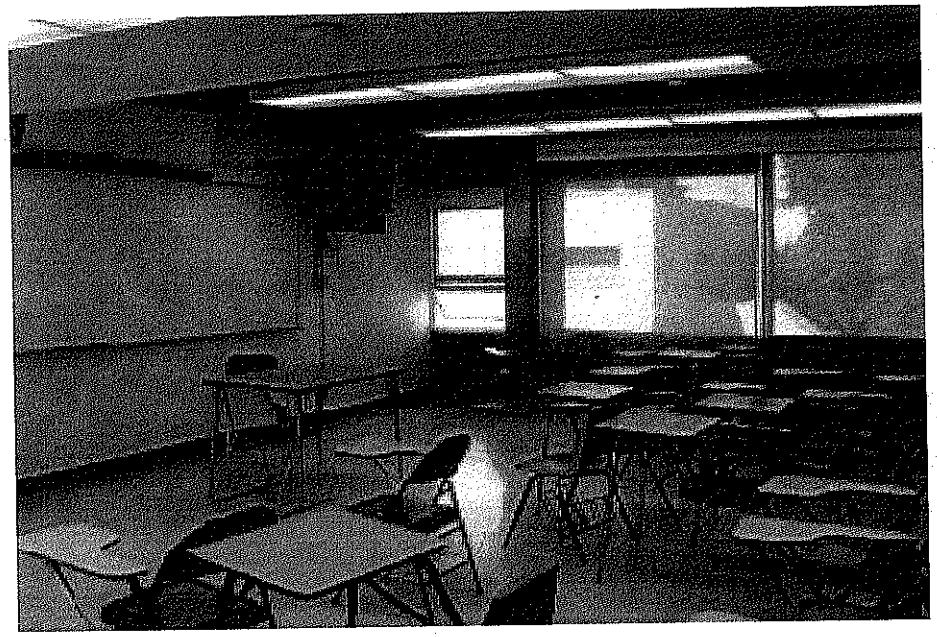


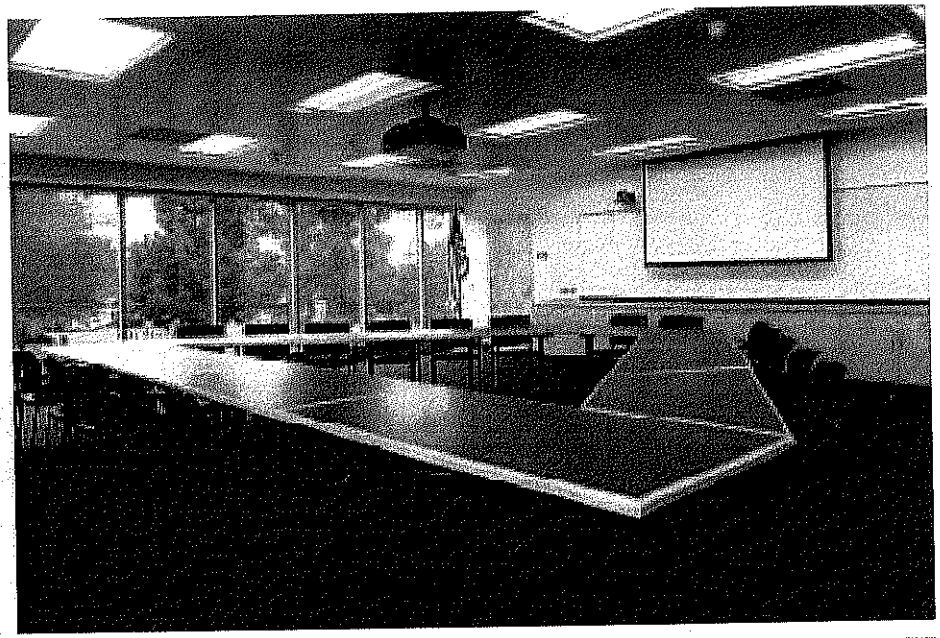
LEVEL II - SPECIAL LECTURE
(40 STUDENT STATIONS AT 27SF/STATION)

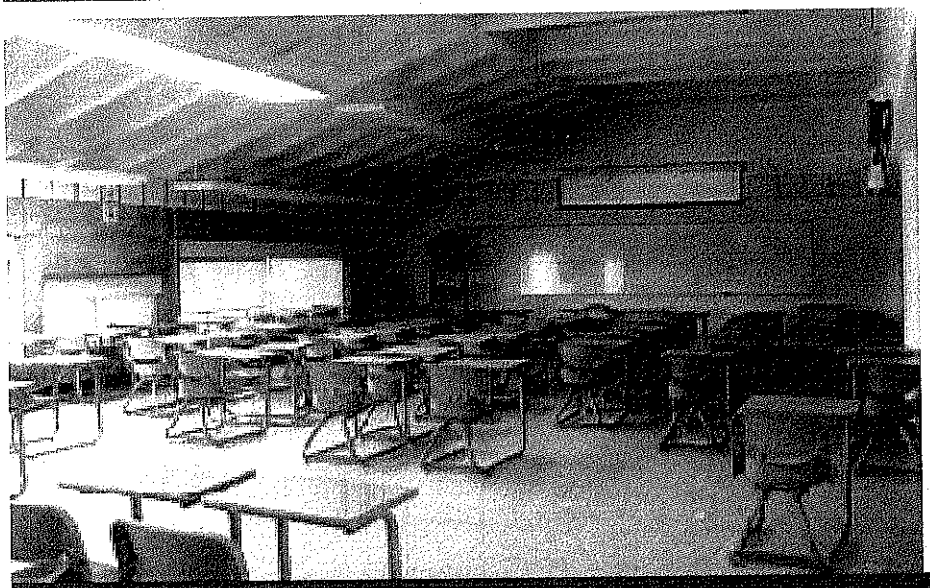
LEGEND
1. CEILING LOUDSPEAKERS
2. BLACKOUT SHADES AT EXTERNAL WINDOWS
3. BULLETIN BOARD
4. VIDEO-DATA PROJECTION WITH NETWORK CONNECTIVITY (BUILT-IN READY TO UTILIZE)
5. AUDIO VISUAL EQUIPMENT RACK CONCEALED WITHIN CASEWORK (DATA/NETWORK CONNECTIVITY)
6. PROJECTION SCREEN 4'-6" X 8'-0"
7. WHITEBOARD
8. FLUSH MOUNT AV / DATA FLOOR BOX FOR LECTERN CONNECTIVITY
9. LOCKABLE STORAGE CABINET
10. REMOVABLE STAGE PLATFORM WITH ACCESS RAMP

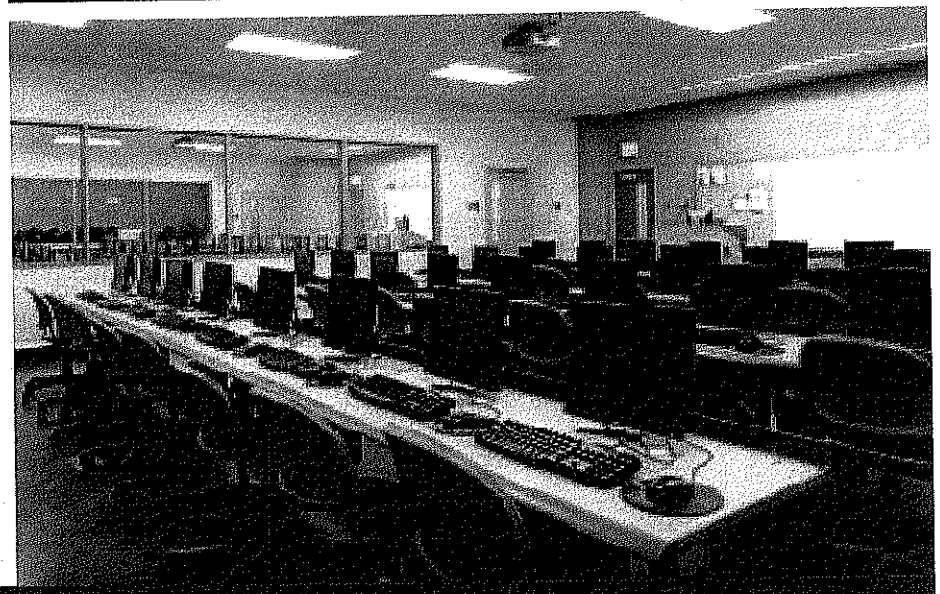
NOTE: ZONED LIGHTING WITH FRONT/BACK SWITCHING

1080 SF Classroom

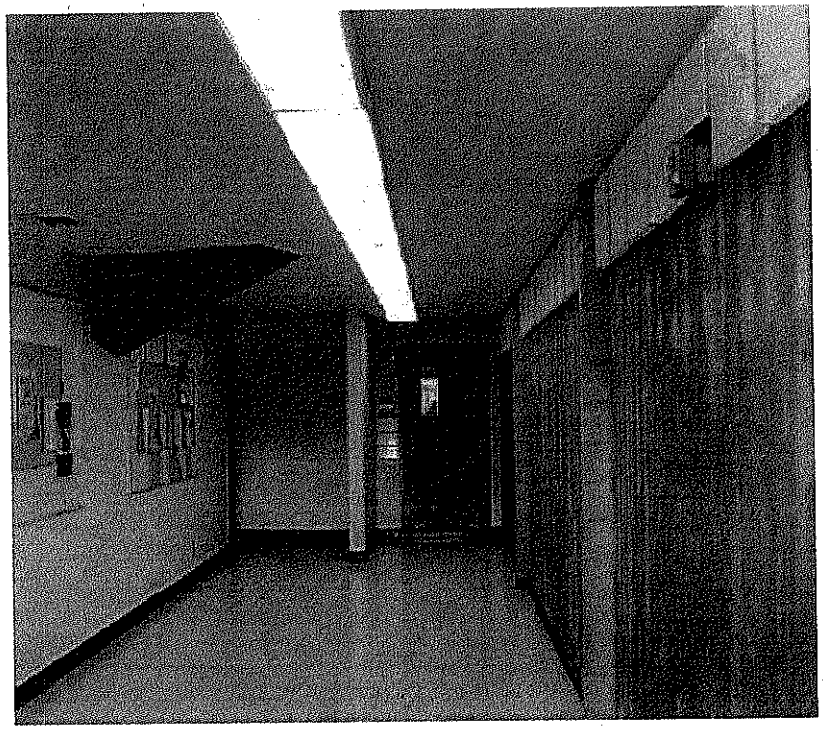


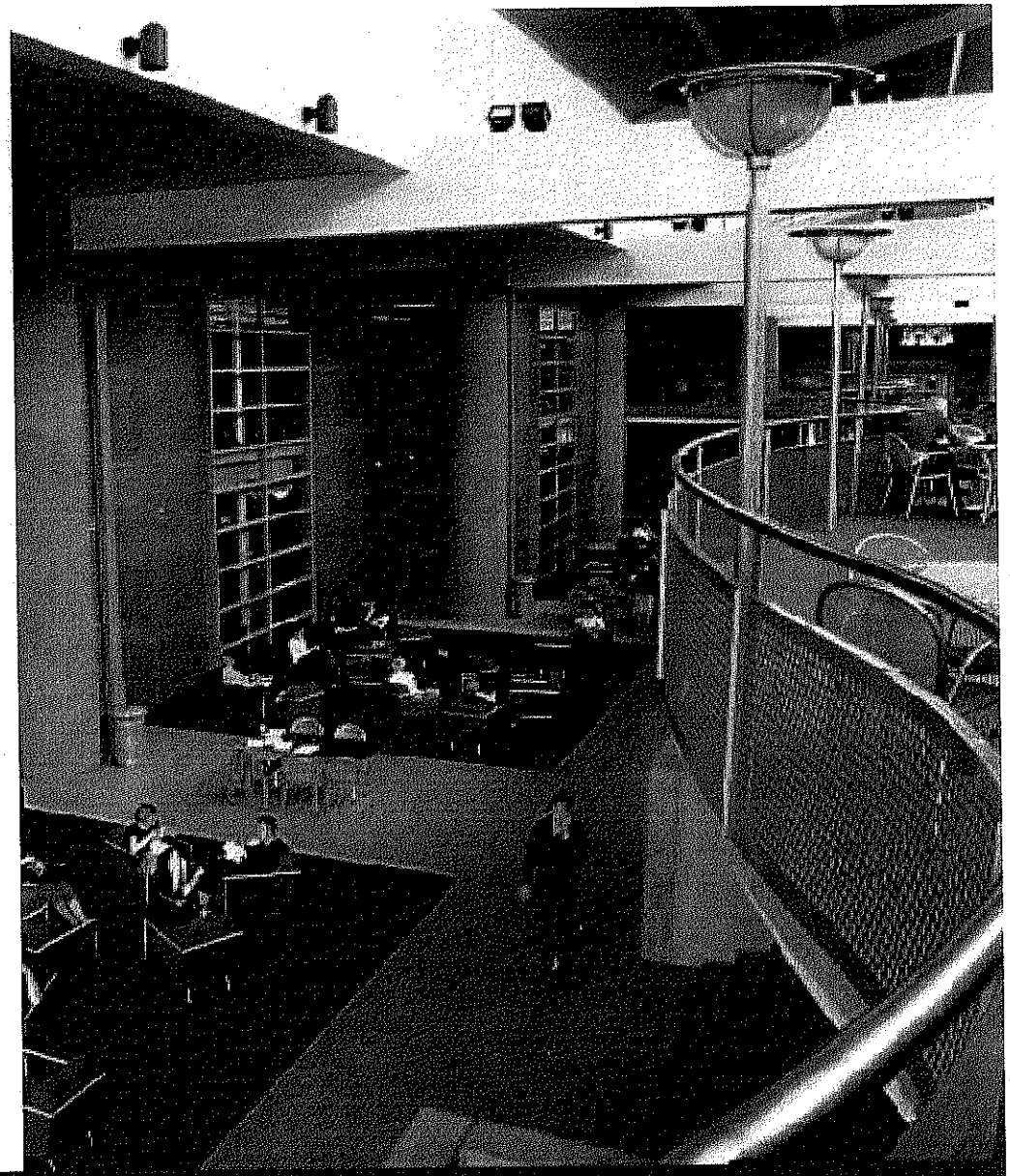






Listening | Exploring | Considering | Visualizing





Listening | Exploring | Considering | Visualizing

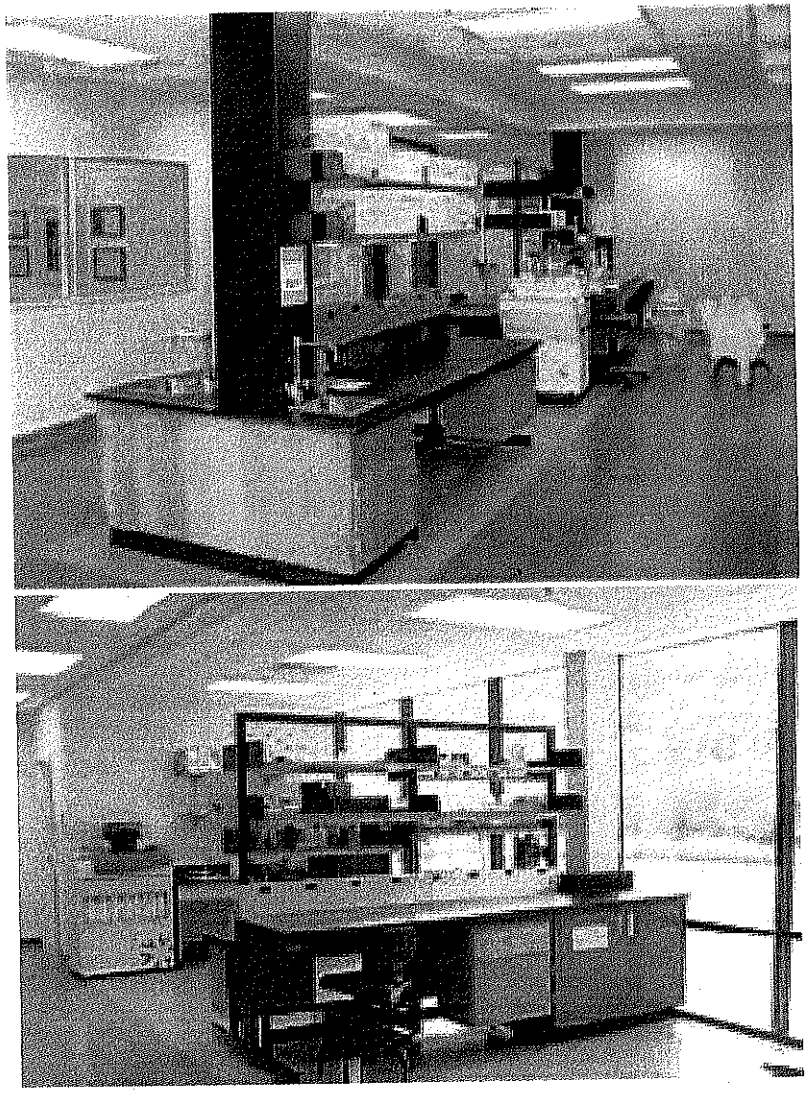
Lab Program Goals and Objectives

Design Goals

- Space efficient, flexible and adaptable
- Integration of current technology
- 30+ Year Design Life
  - Adaptable to future curriculum changes
  - Adaptable to future technology changes

Opportunities for Flexible Lab Design

- Physics
- General Science
- Geology
- Health



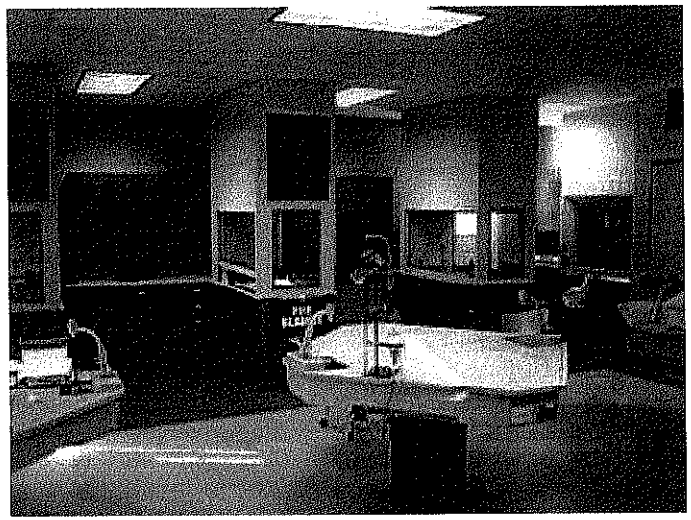
Current Trends in Teaching Laboratory Designs

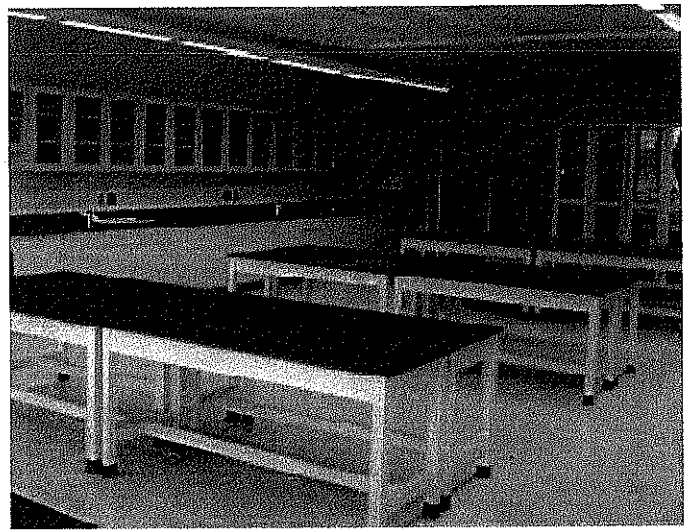
What's "out"

- Overly specialized /single purpose stations
- Use of fixed casework

What's "in"

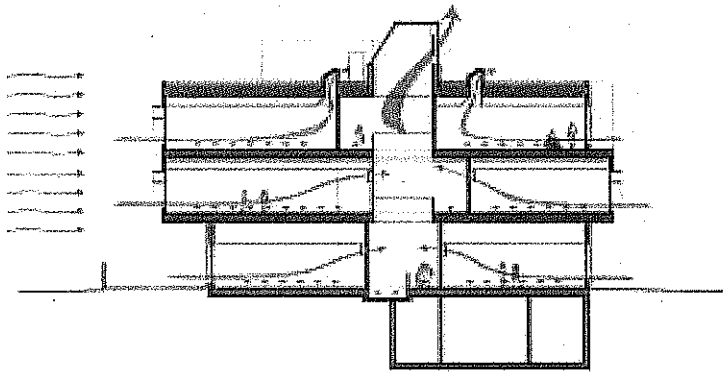
- Moveable, modular casework
- Placement of fixed equipment along perimeter of the room
- Integration of wireless technology



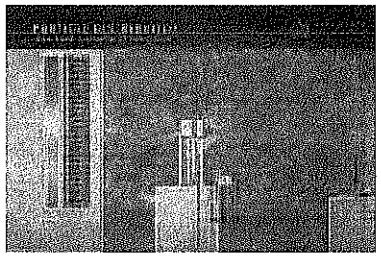


Sustainable Design Opportunities

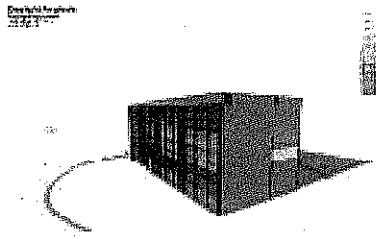
- Charrette (Consensus Based)
- Site Specific Climate Opportunities
- Design For
  - Natural Ventilation
  - Maximized Daylighting
  - Solar Income
  - Displacement Ventilation
  - Radiant Heating and Cooling
  - Connect the Students and Staff to the Outdoors
- Prove the theories – Advanced Engineering Tools



Natural Ventilation



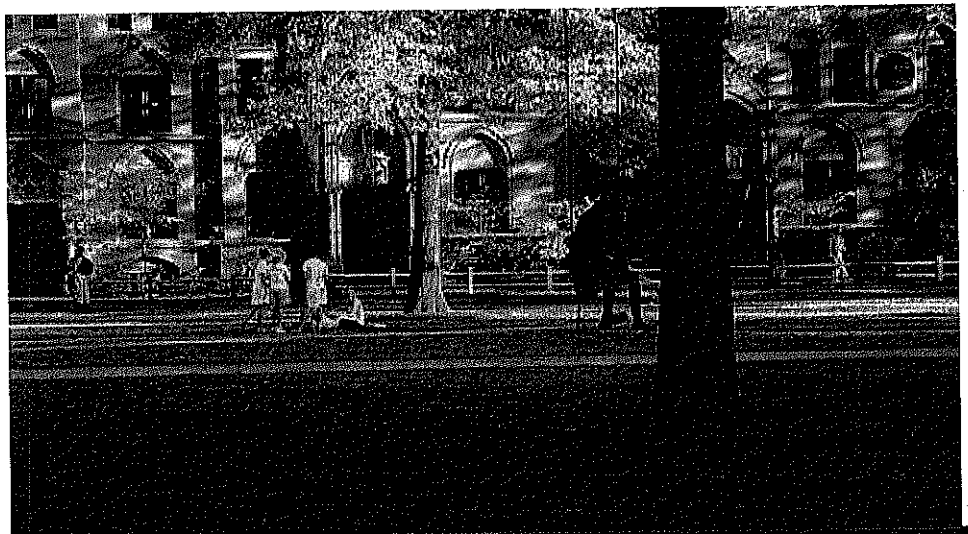
CFD Modeling of Displacement Ventilation

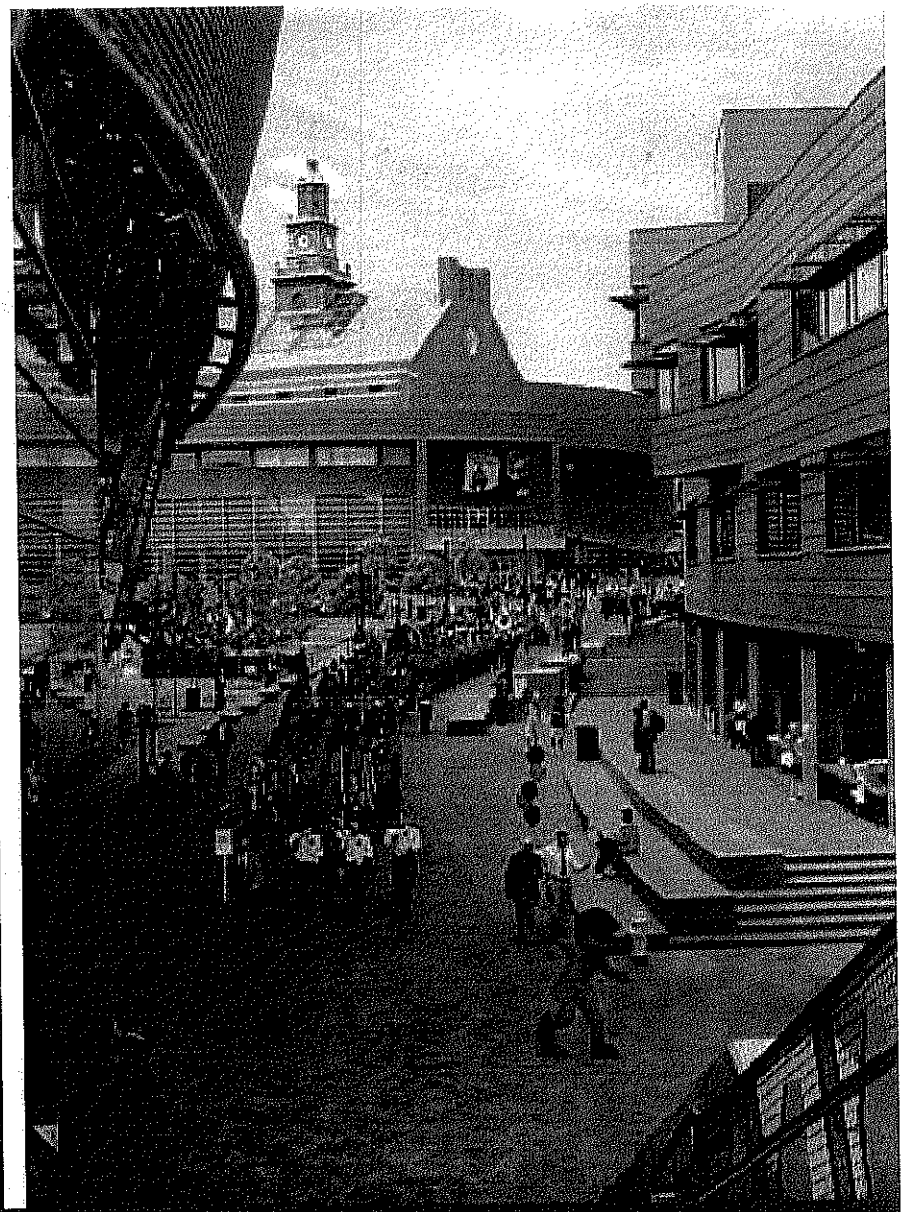


Daylight Modeling

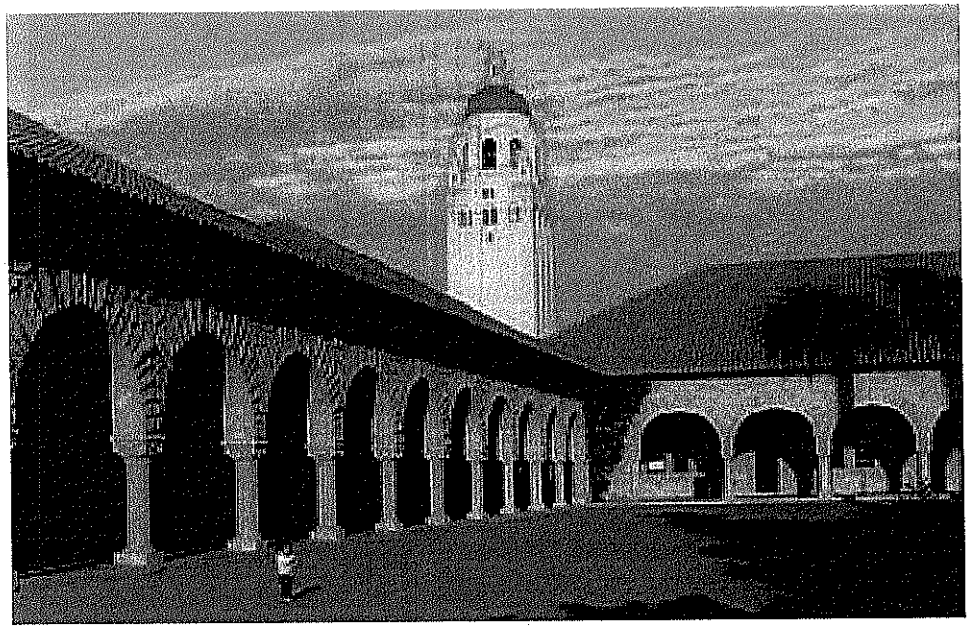
Listening | Exploring | Considering | Visualizing

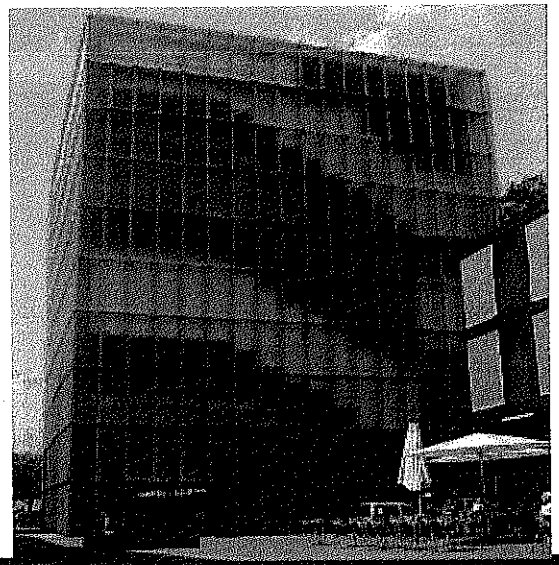
Design Considerations



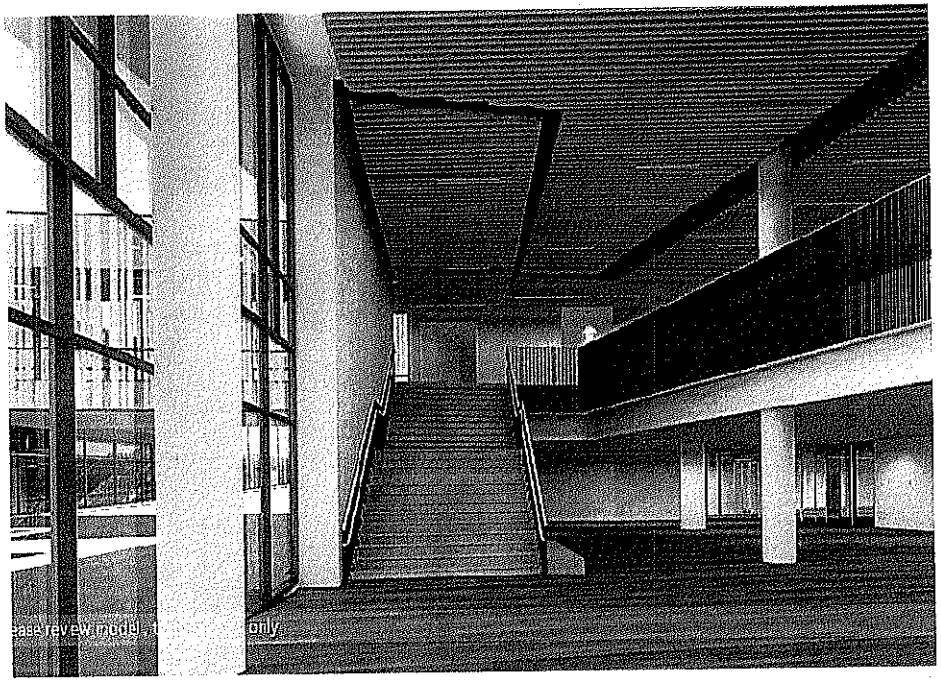


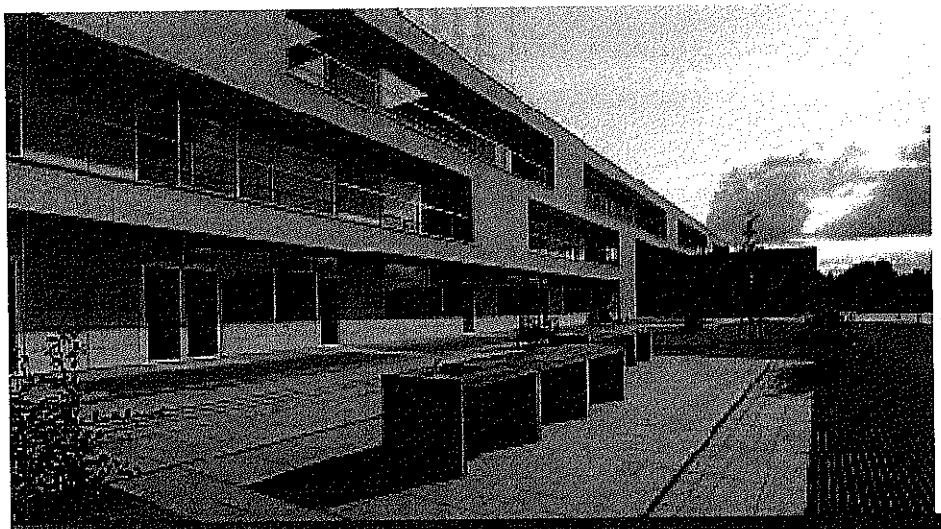
Campus Heart - Possibilities

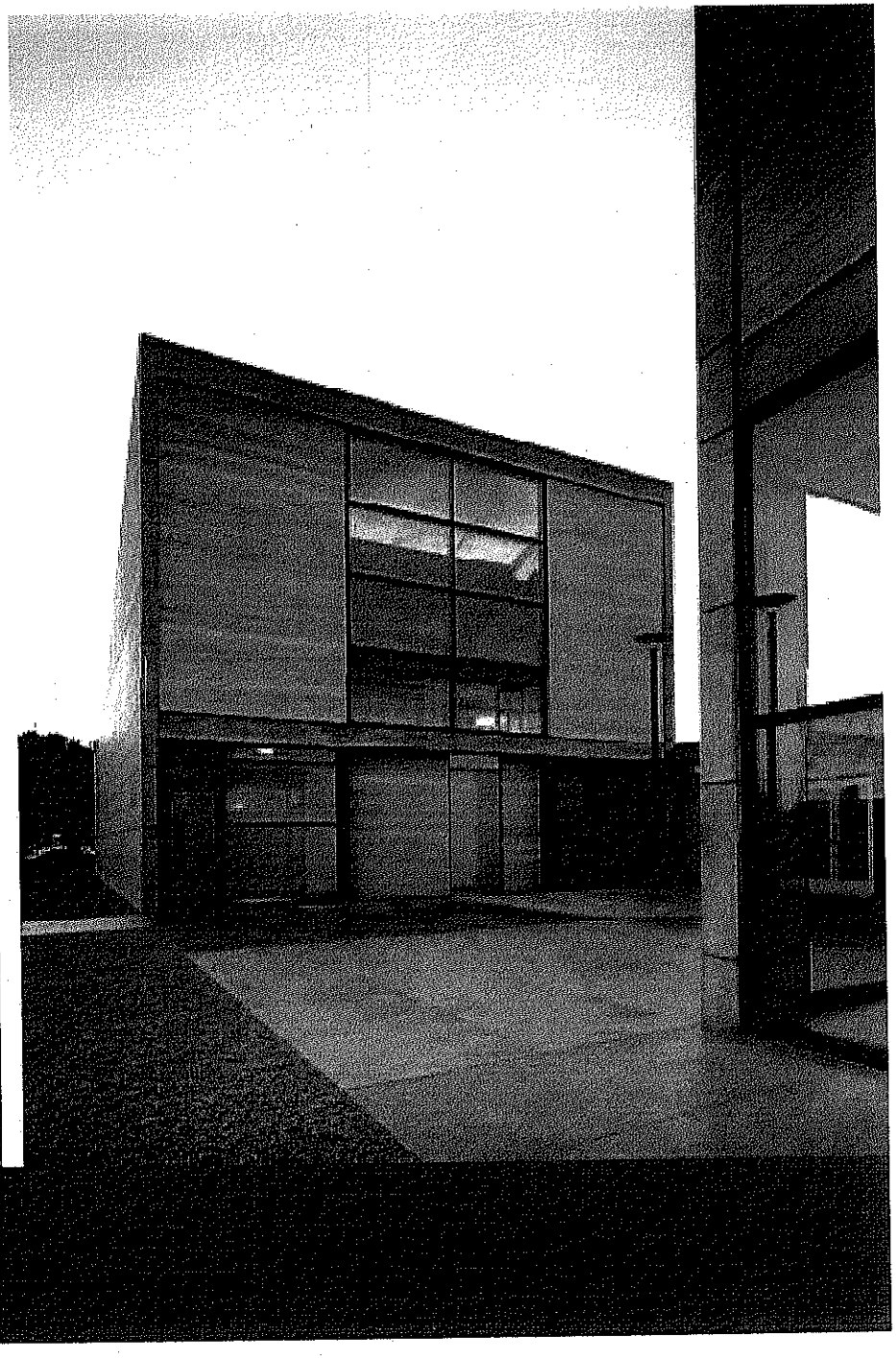




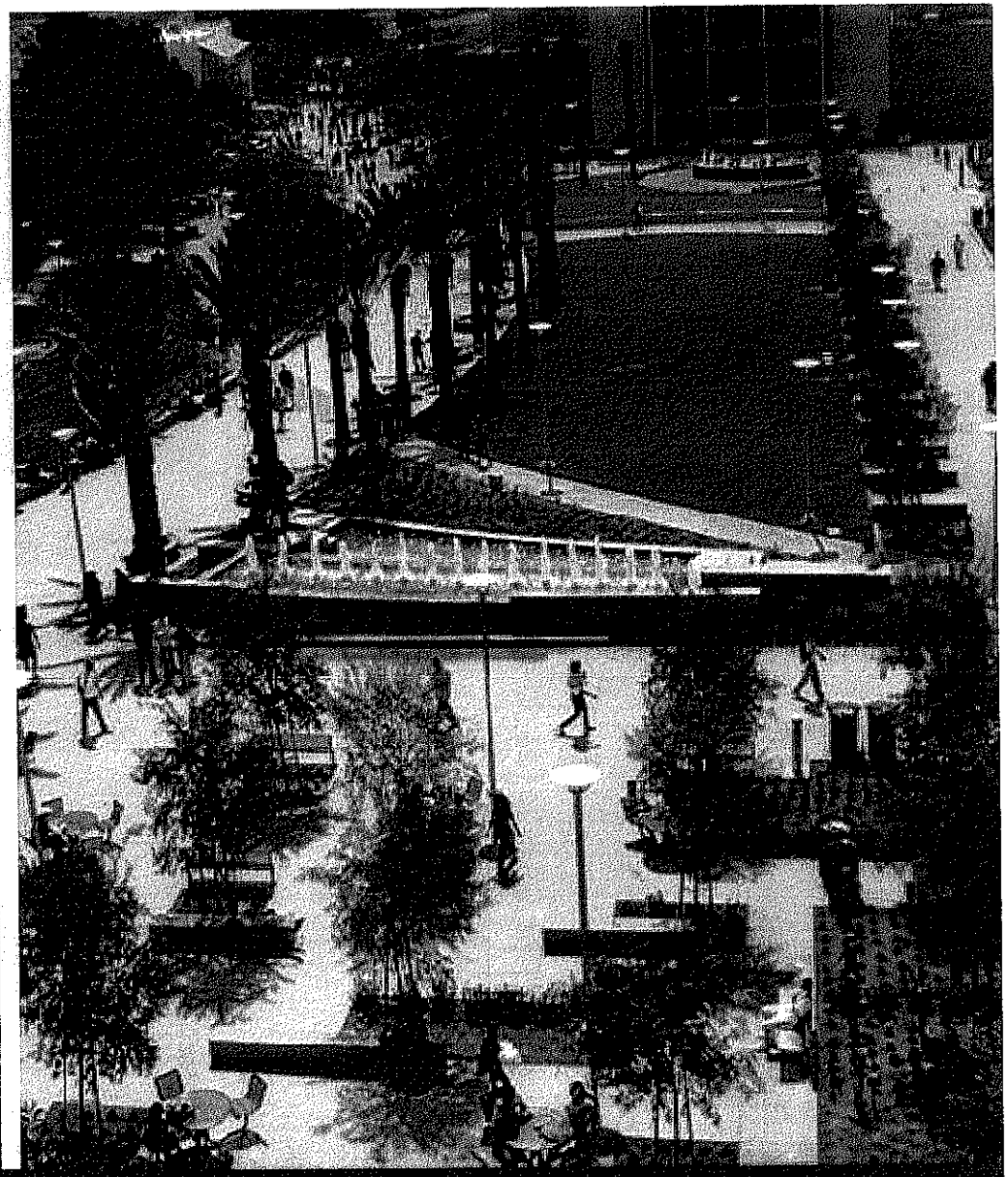
Campus Markers - Possibilities



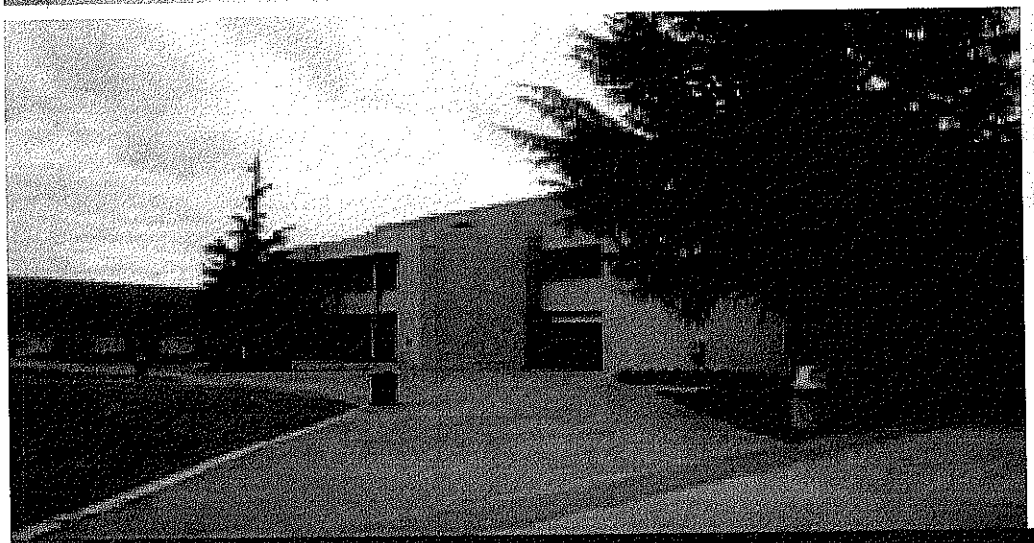


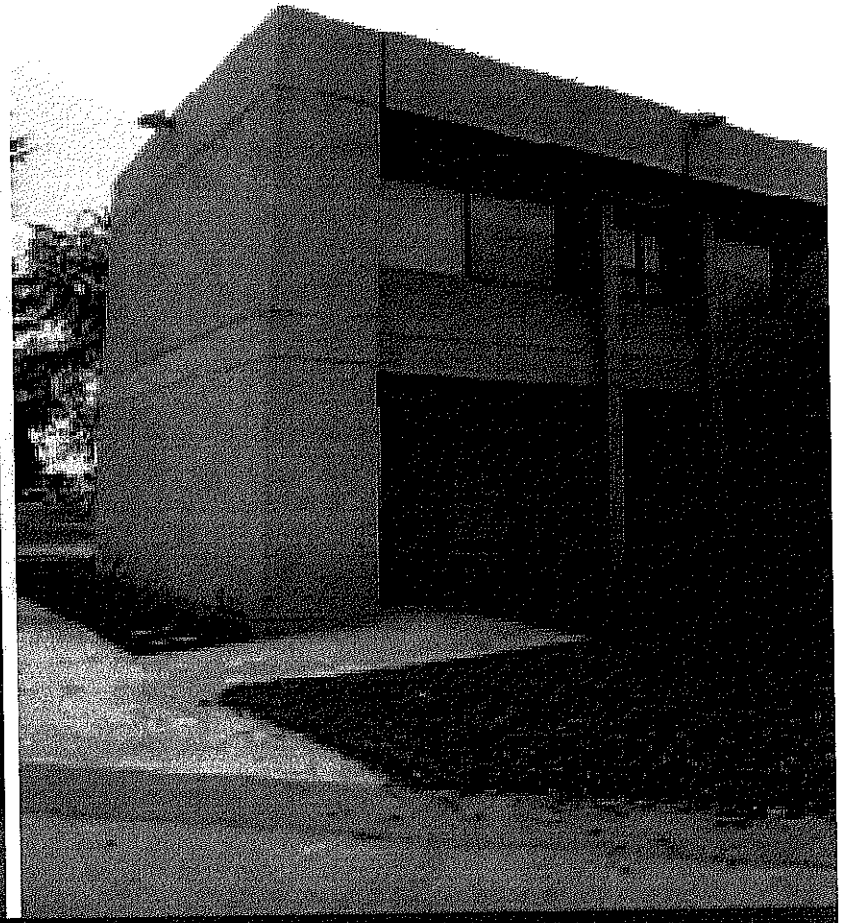


Identity - Possibilities

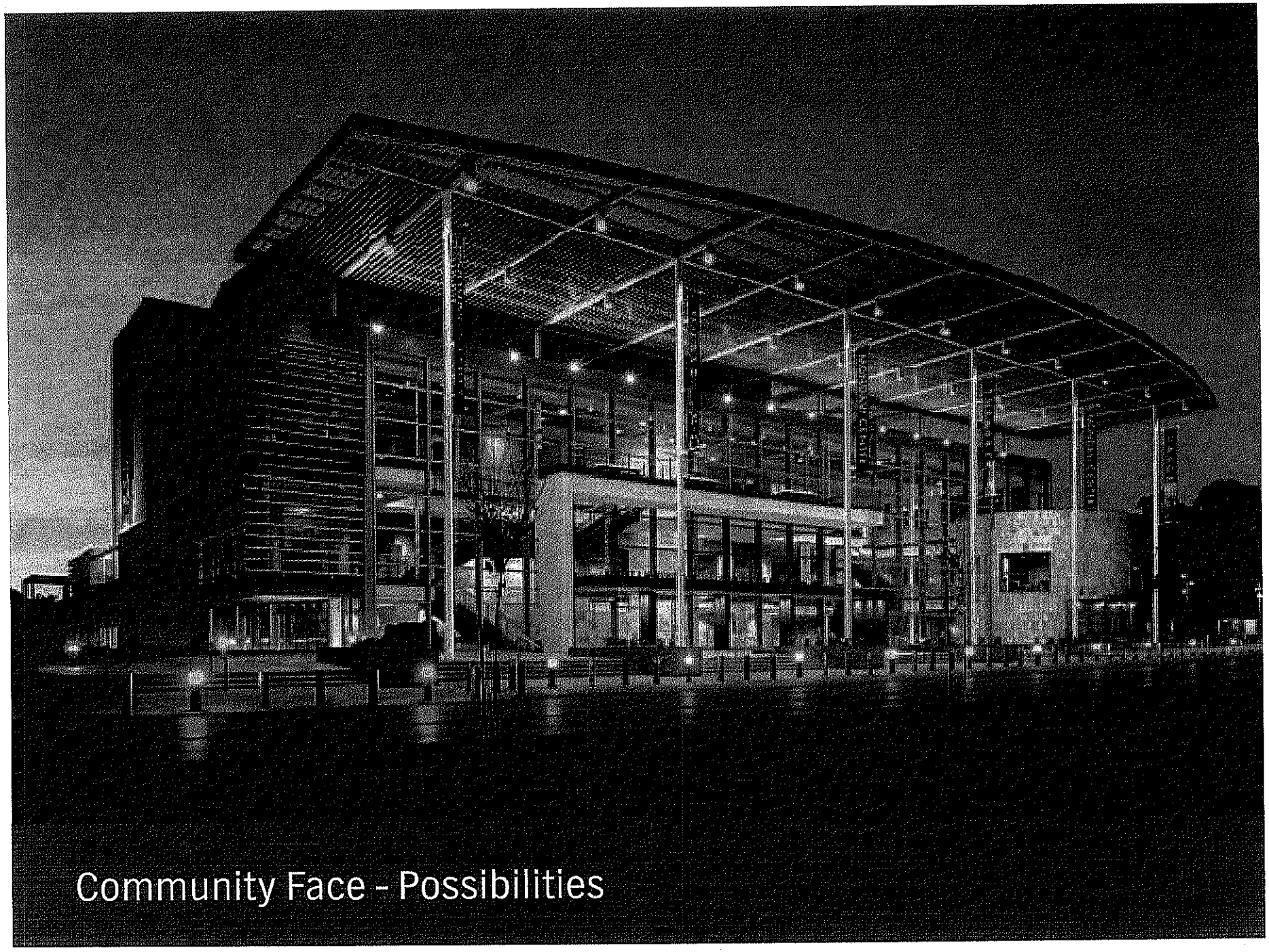


Landscape Variety - Possibilities



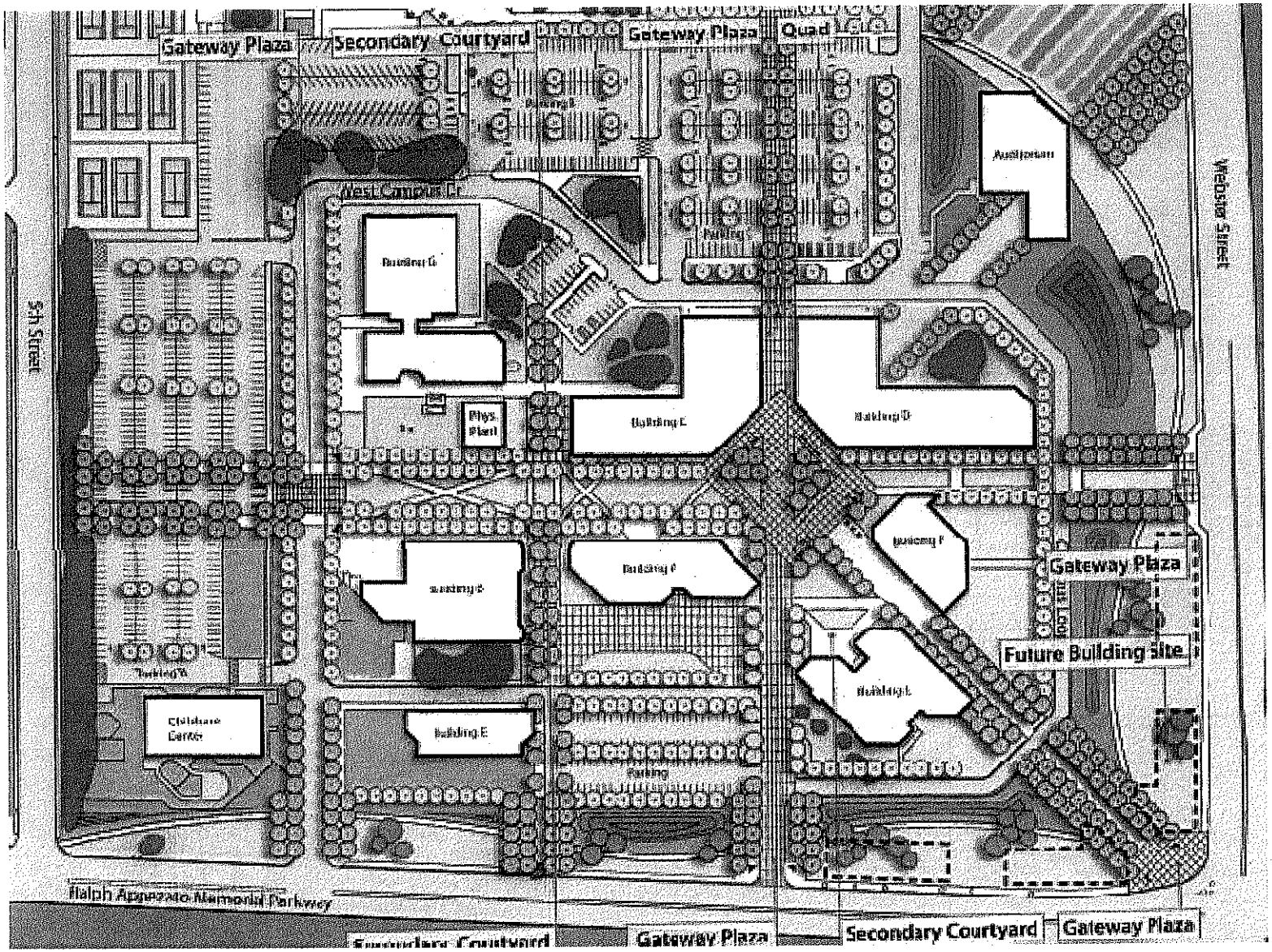


Community Face

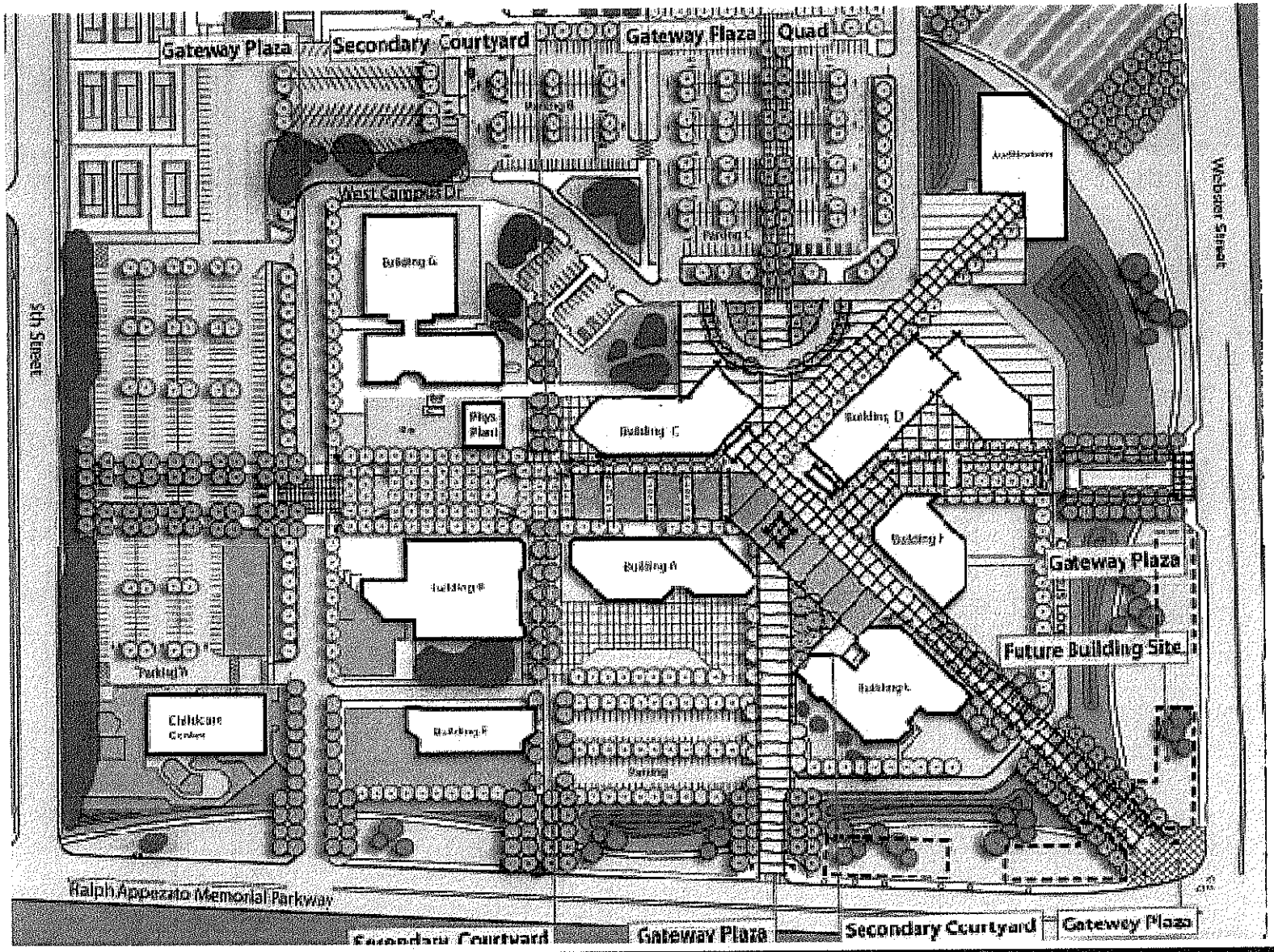


Community Face - Possibilities

Campus Model



Current Master Plan



Campus Design Opportunities

Steinberg Architects

Sculpting Space. Shaping Life.

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