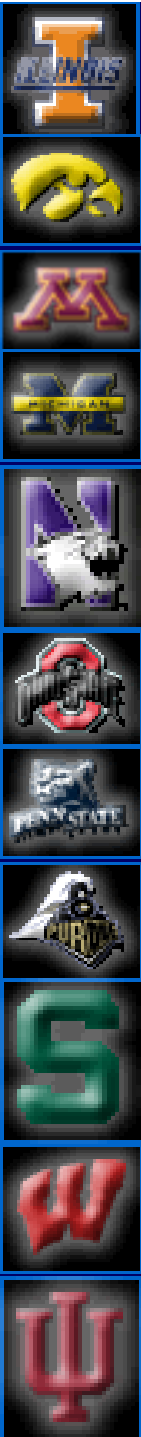


RENOVATION & EXPANSION STRATEGIES for LARGE-SCALE RECREATION CENTERS



BRAILSFORD & DUNLAVEY

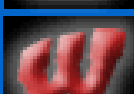




BIG TEN

BRAILSFORD & DUNLAVEY

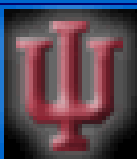




Presentation Overview

- Evaluation Basics
- Program Specific Considerations
- Case Studies
 - Programmatic Transformation
 - Programmatic Transformation
 - Interior Transformation





Evaluation Basics

- Locational Attributes
 - Patron Proximity & Access
 - Master Plan Integration
- Quality of Existing Asset
- Cost Effectiveness
- Programmatic Objectives

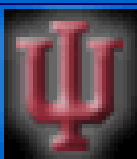




Evaluation Basics

- Locational Attributes
- Quality of Existing Asset
 - Aesthetics
 - Systems
 - Functional Obsolescence
- Cost Effectiveness
- Programmatic Objectives

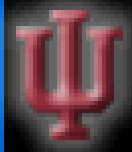
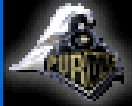




Evaluation Basics

- Locational Attributes
- Quality of Existing Asset
- Cost Effectiveness
 - Renovation Savings
 - Program Redundancy
 - Replacement Recapture
- Programmatic Objectives

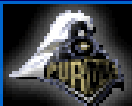




Evaluation Basics

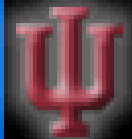
- Locational Attributes
- Quality of Existing Asset
- Cost Effectiveness
- Programmatic Objectives
 - Architectural Quality
 - Interior Functionality
 - Seamlessness





Project Specific Considerations

- Programmatic Objectives
- Opportunity Evaluation
 - Ratio of New / Existing
 - Structural Constraints
 - Site Constraints / Opportunities
 - Infrastructure
- Cost Evaluation
 - Construction Cost Differentials
 - Sources of Funds
 - Operational Disruption





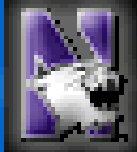
Case Studies



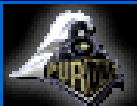
- Oakland University – *Programmatic Transformation*



- University of Illinois – *Architectural Transformation*



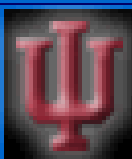
- Purdue University – *Interior Transformation*



BIGTEN

BRAILSFORD & DUNLAVEY





Case Studies – *Oakland University*

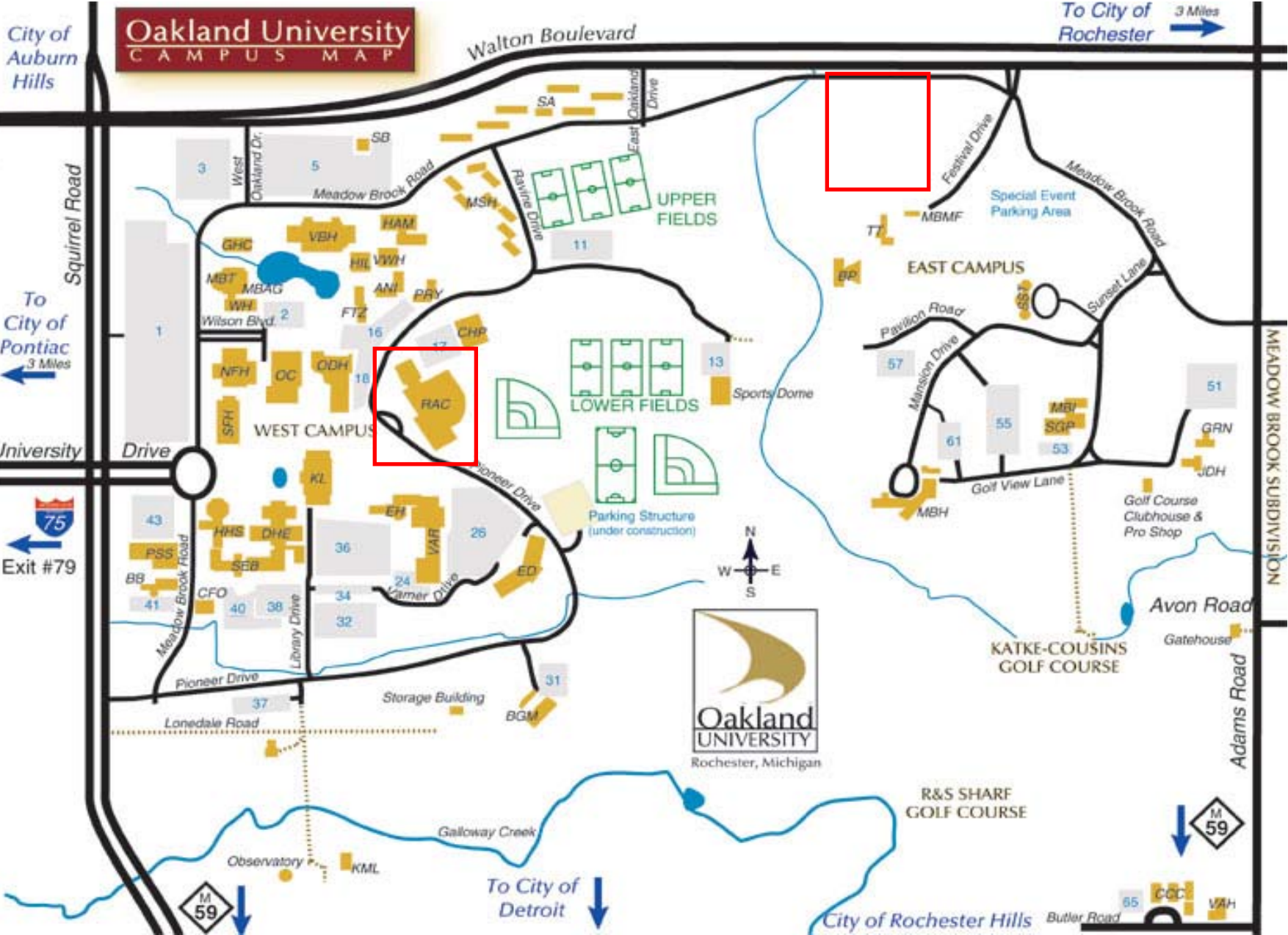
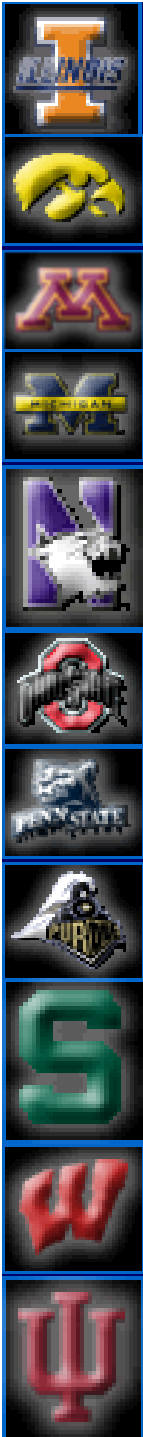
Student Recreation & Athletic Center



BIG TEN

BRAILSFORD & DUNLAVEY

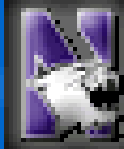




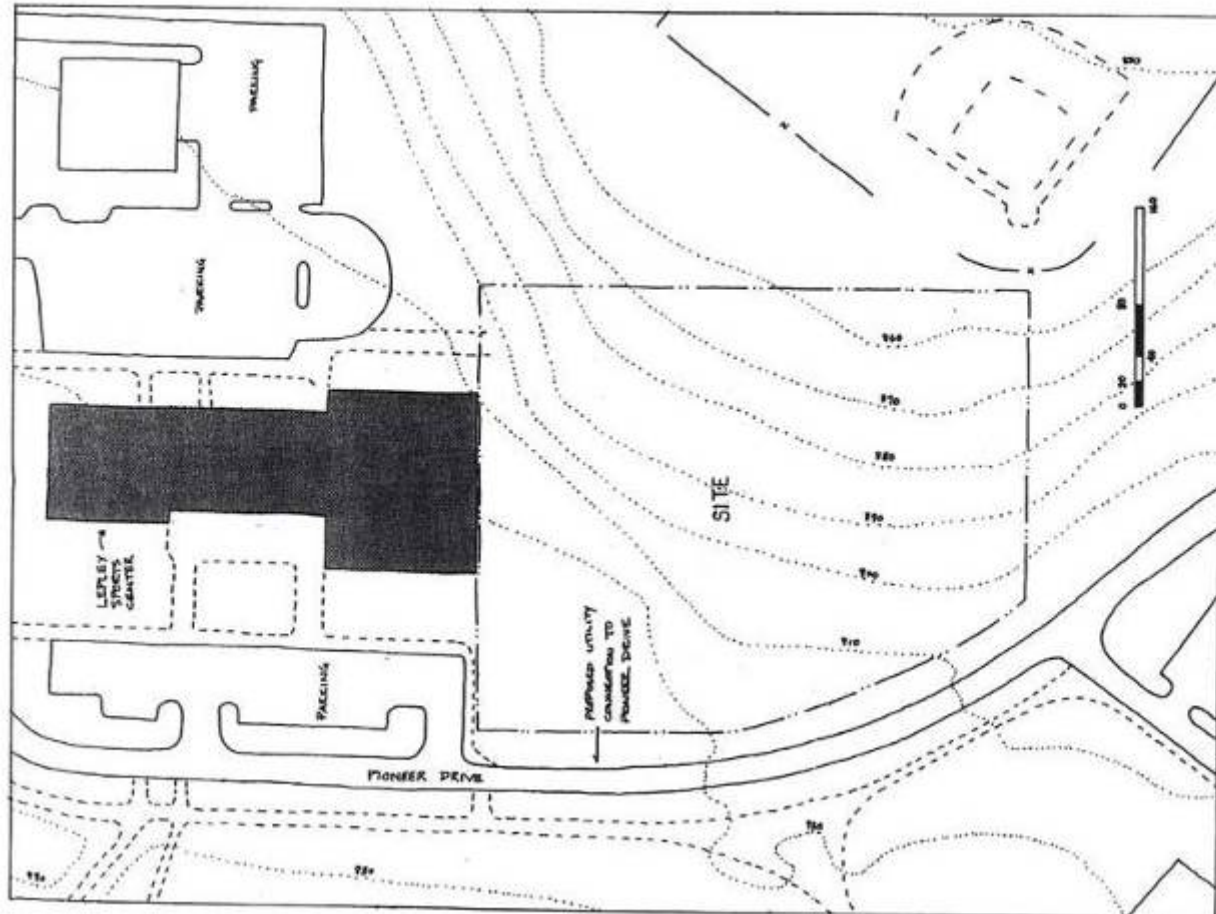
Big Ten

BRAILSFORD & DUNLAVEY





Case Studies – Oakland University



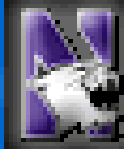
Brailsford Associates, Inc.
Detailed Site Diagram

Student Recreation and Athletic Center
Lepley Sports Center Renovation

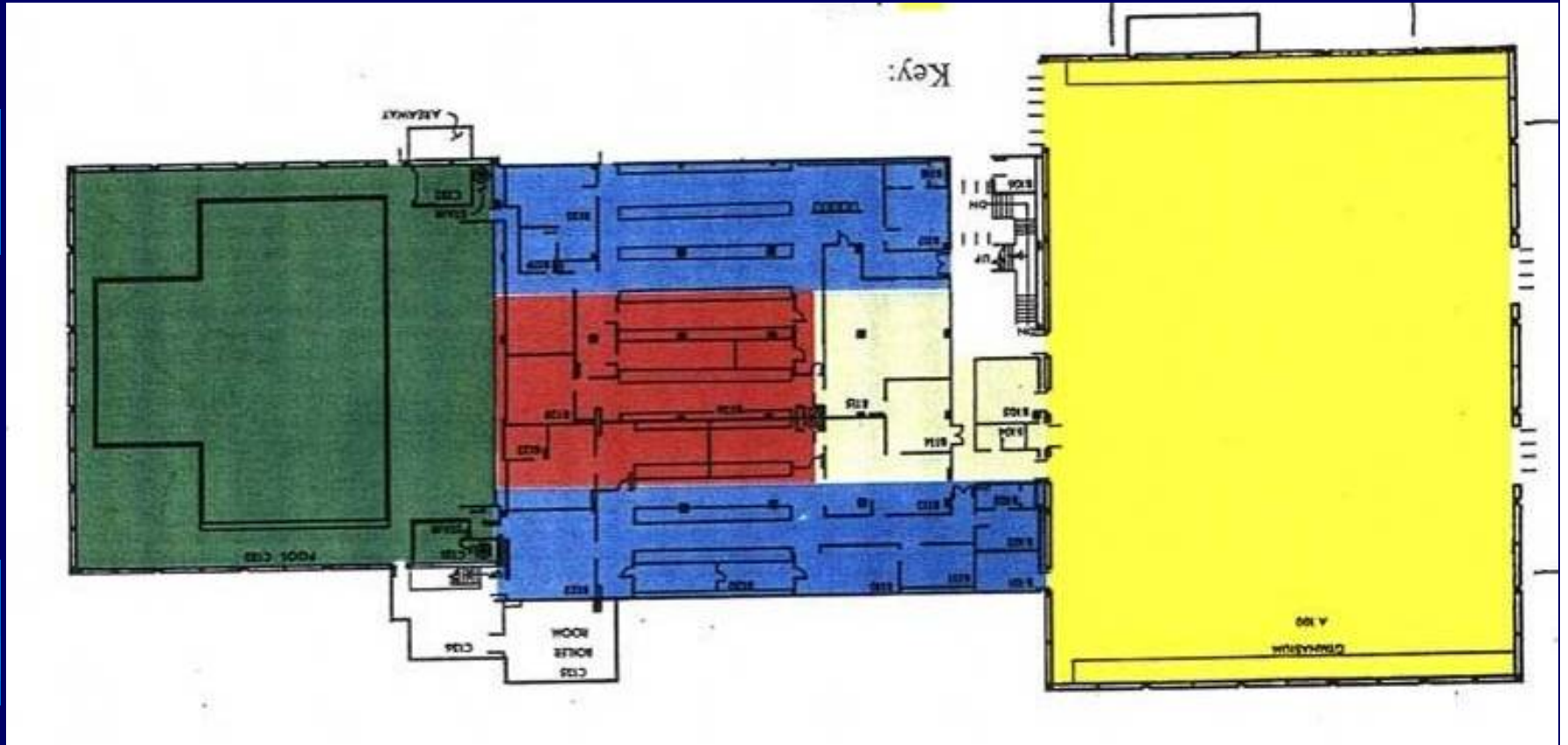
Big Ten

BRAILSFORD & DUNLAVEY





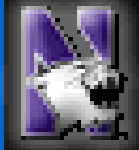
Case Studies – Oakland University



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BRAILSFORD & DUNLAVEY

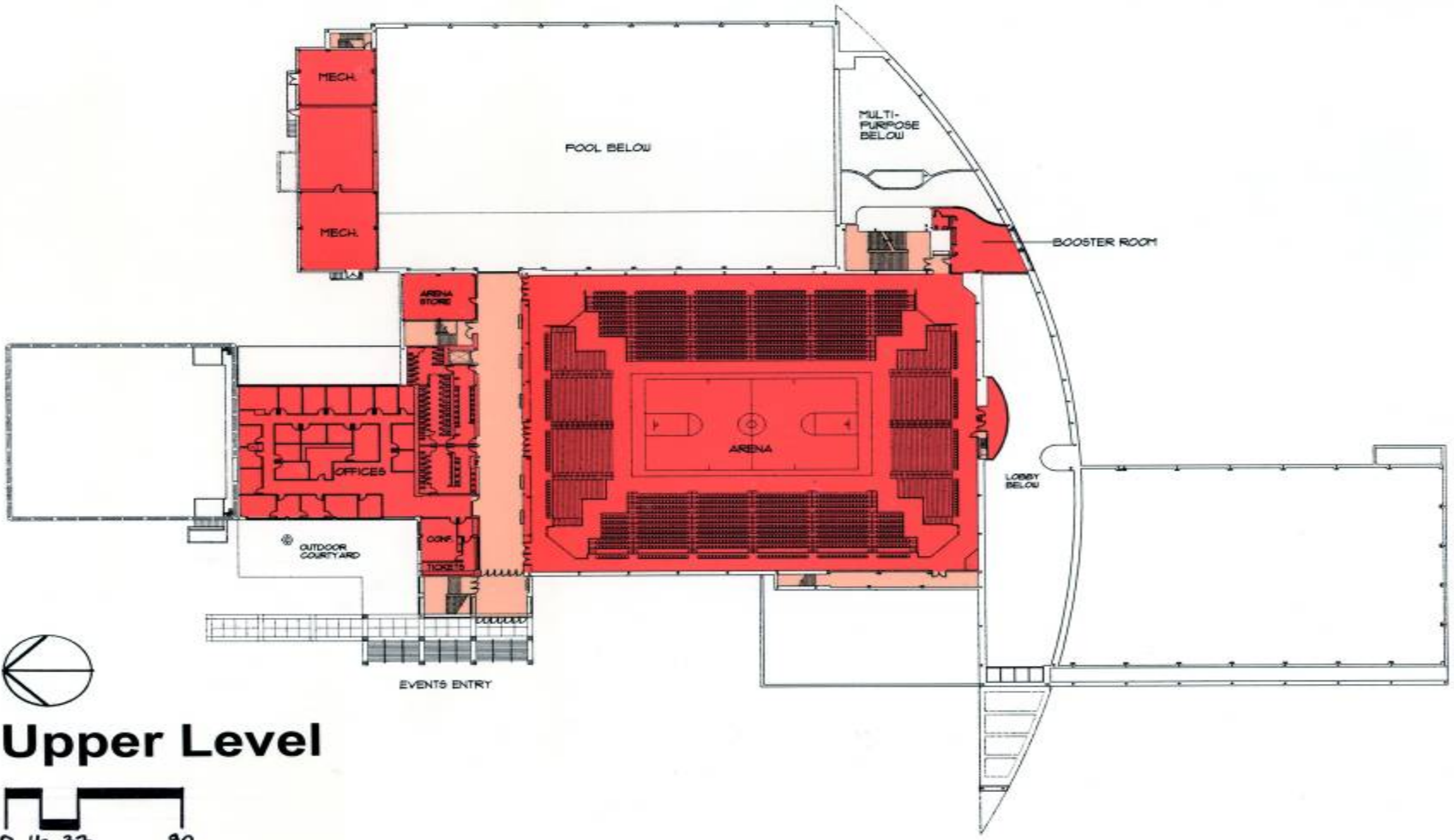
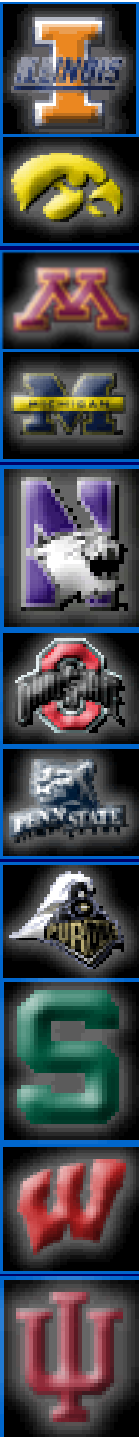




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BRAILSFORD & DUNLAVEY

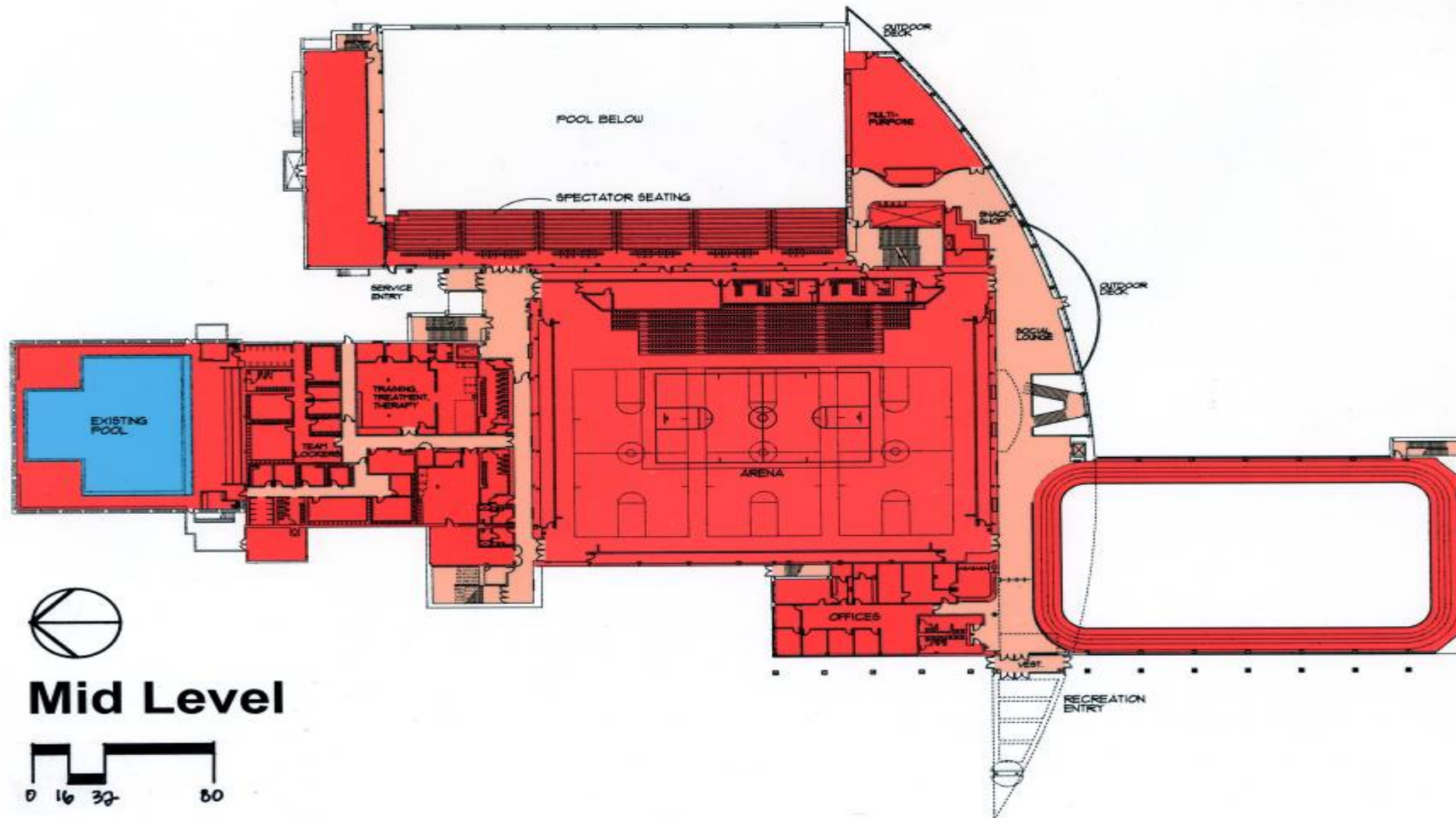
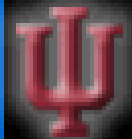
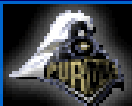




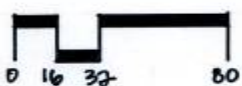
Upper Level

BRAILSFORD & DUNLAVEY





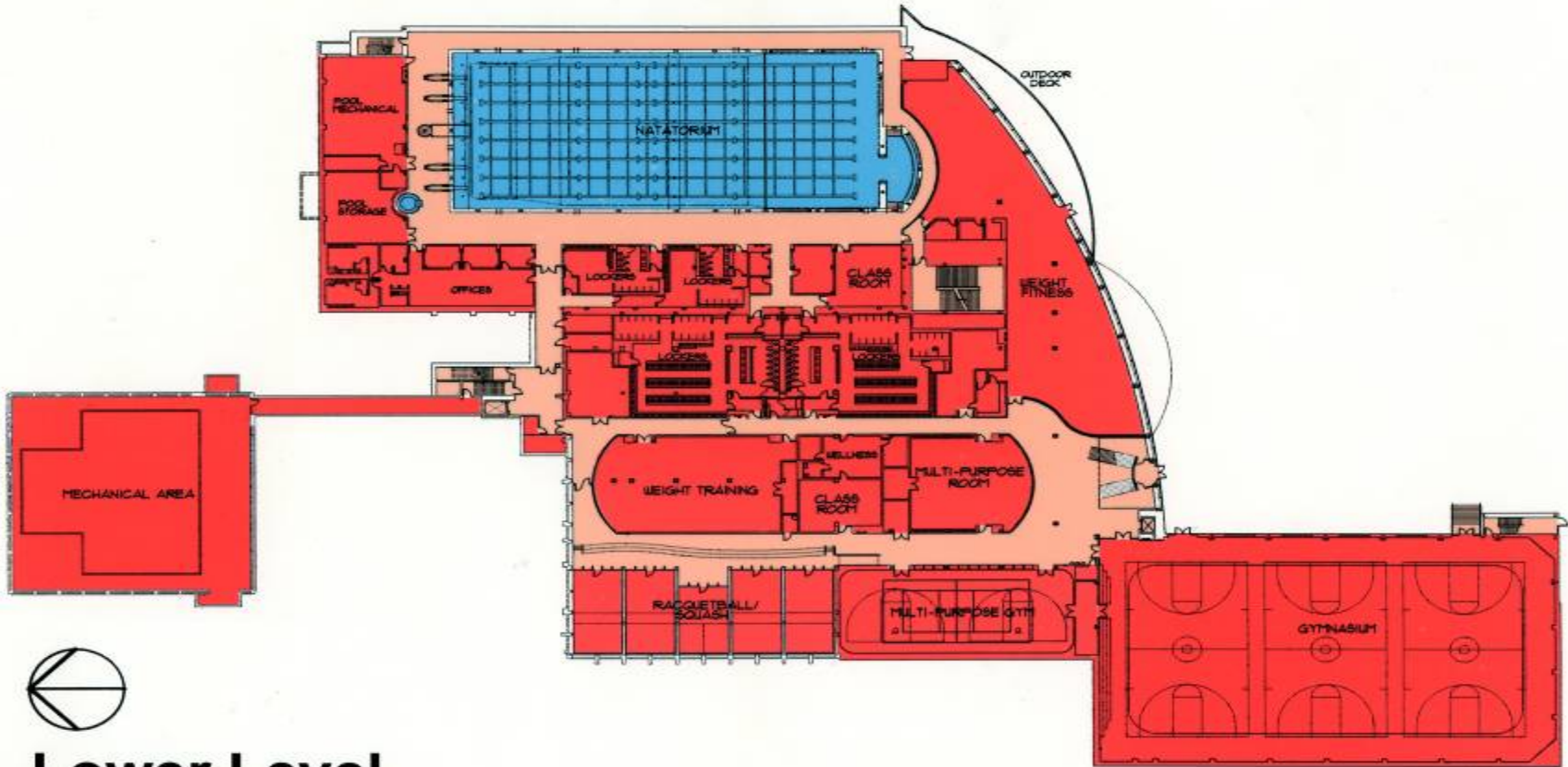
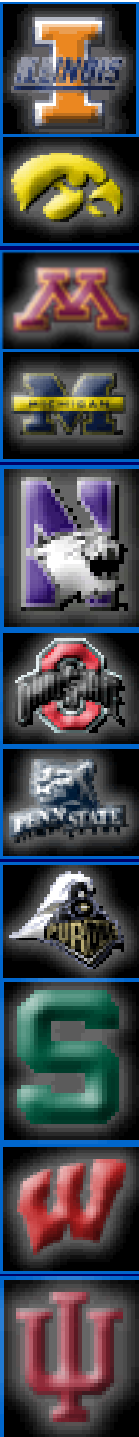
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Mid Level



Big Ten

BRAILSFORD & DUNLAVEY





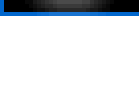
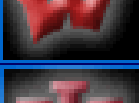
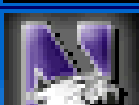
Lower Level

Courtesy of TMP Architects

Big Ten

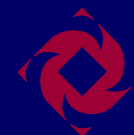
BRAILSFORD & DUNLAVEY

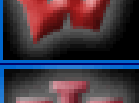
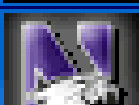




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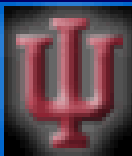




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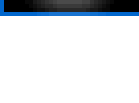
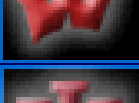
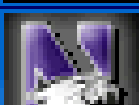


Courtesy of TMP Architects

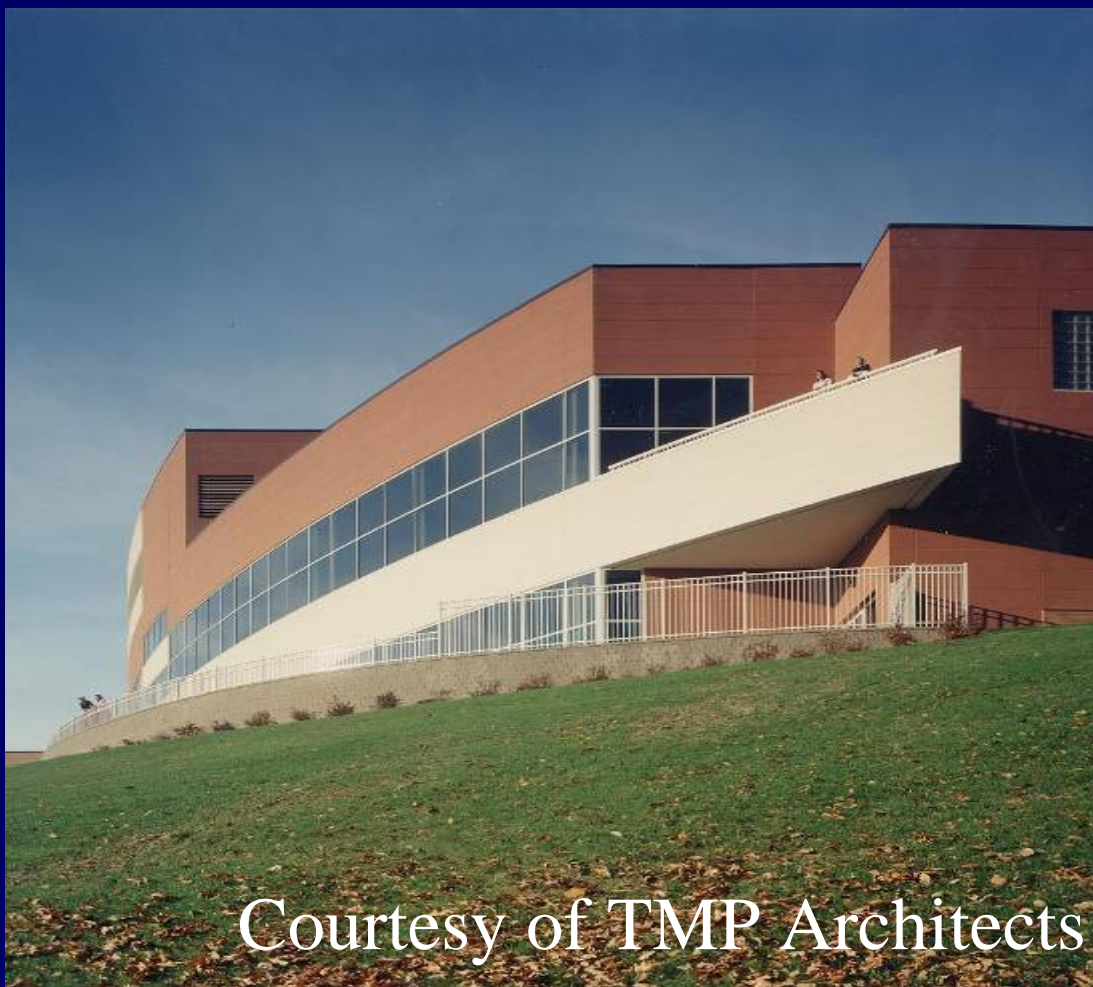
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BRAILSFORD & DUNLAVEY





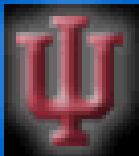
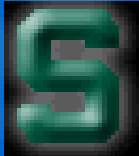
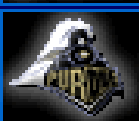
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Courtesy of TMP Architects

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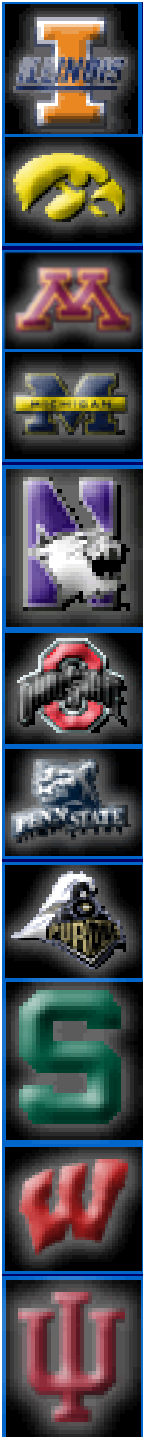


Courtesy of TMP Architects

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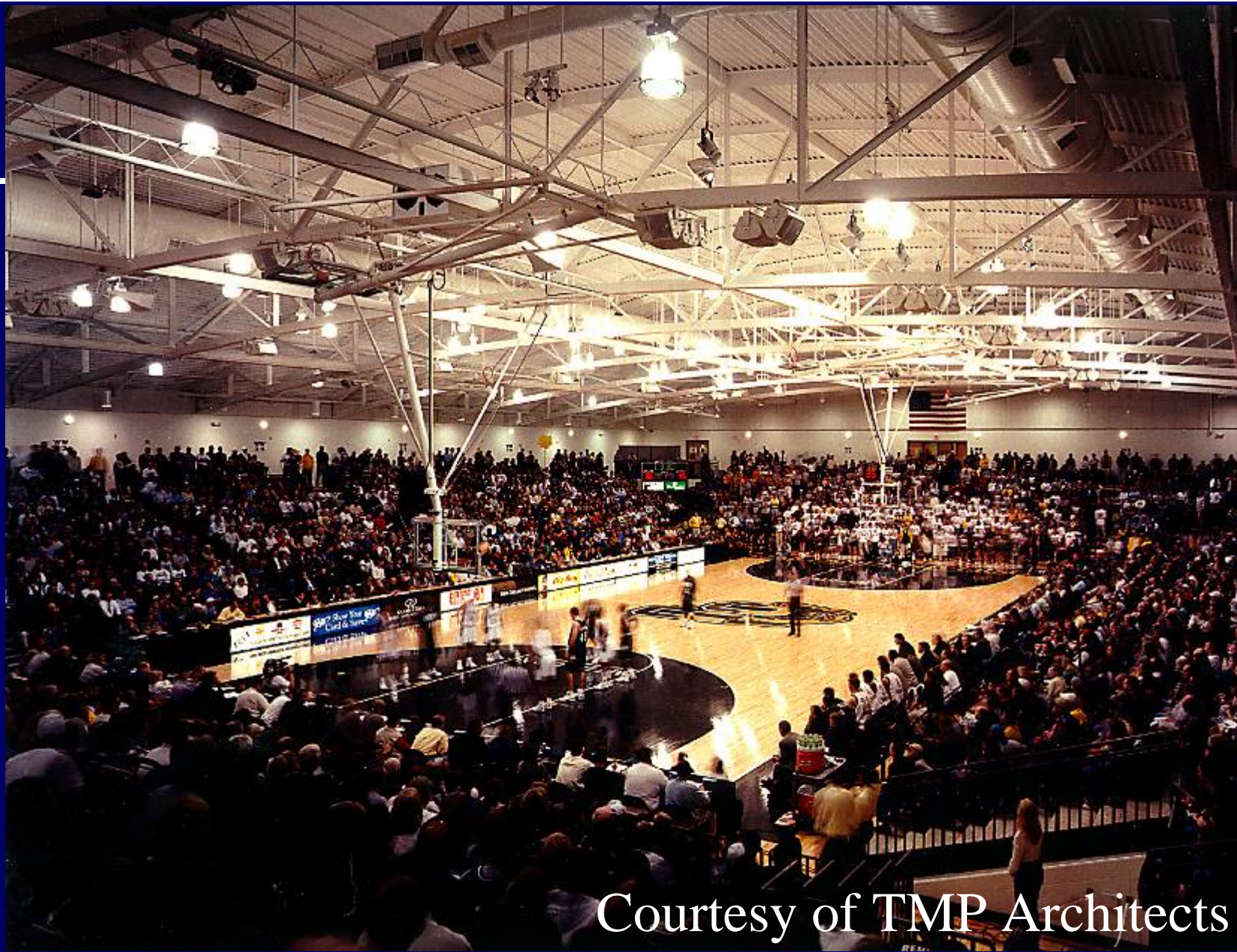
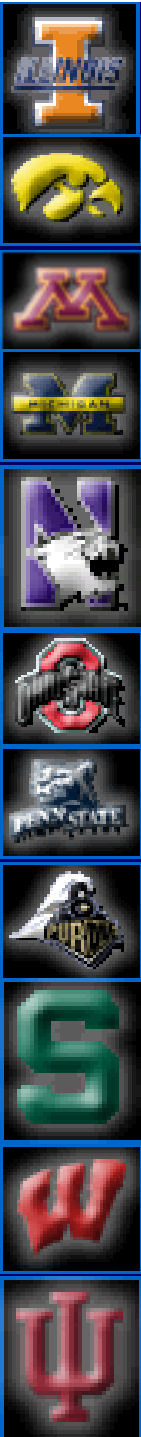




Big Ten

BRAILSFORD & DUNLAVEY





Courtesy of TMP Architects

Big Ten

BRAILSFORD & DUNLAVEY





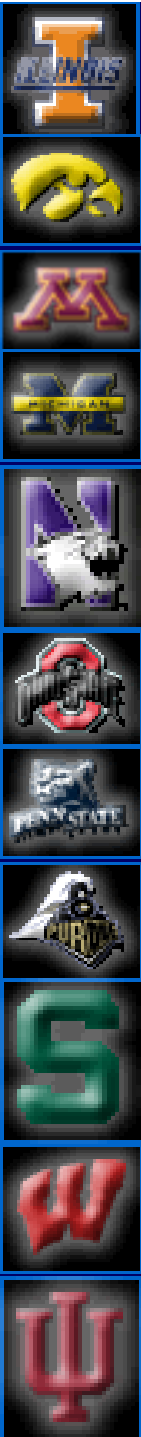
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Courtesy of TMP Architects

BRAILSFORD & DUNLAVEY



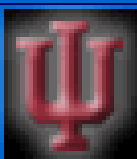


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Case Studies – *University of Illinois*

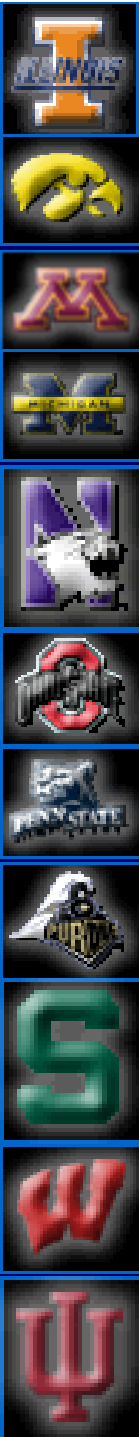
IMPE



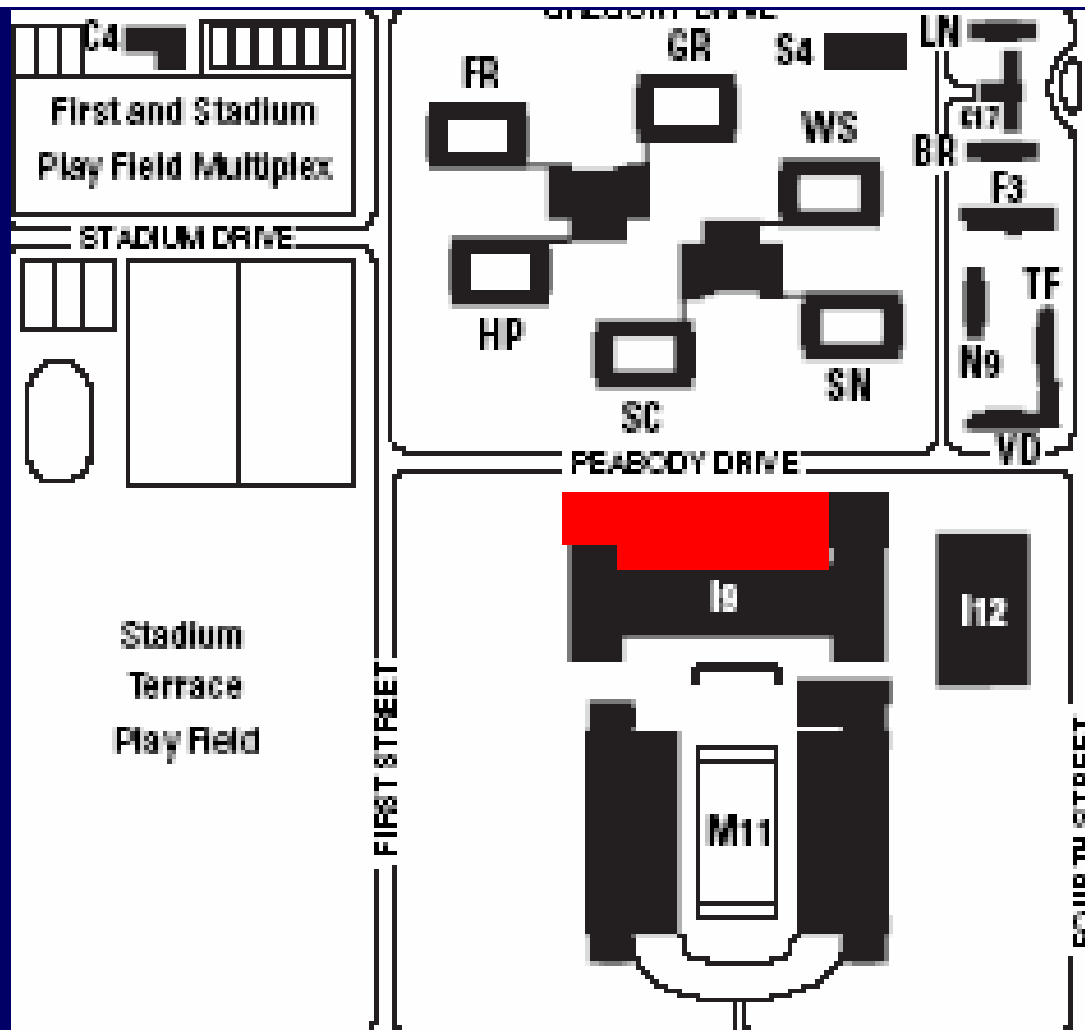
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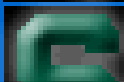
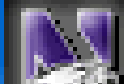
BRAILSFORD & DUNLAVEY





Case Studies – *University of Illinois*





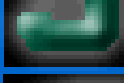
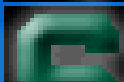
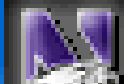
Case Studies – *University of Illinois*



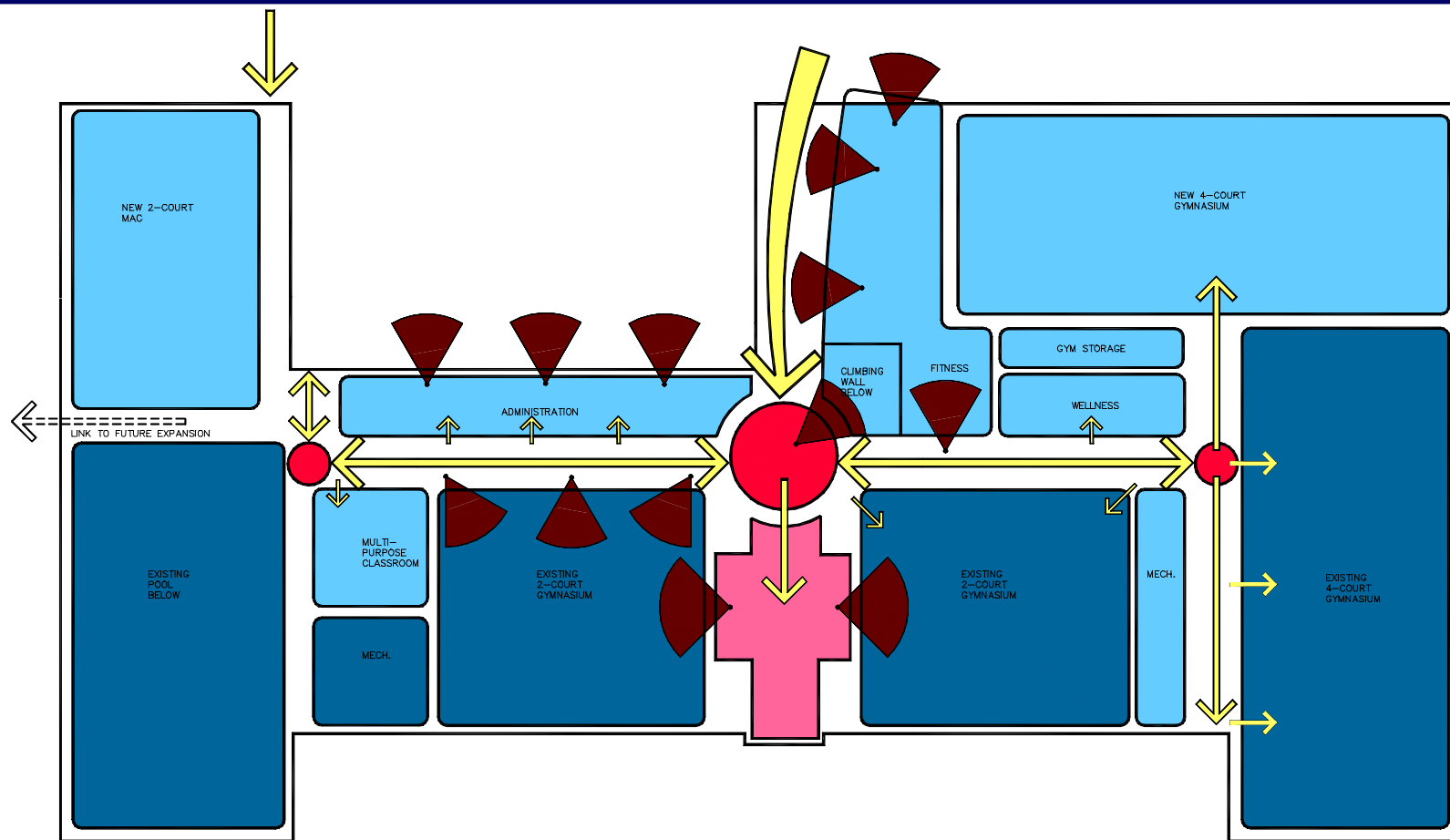
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Case Studies – *University of Illinois*



IMPE – Main Level

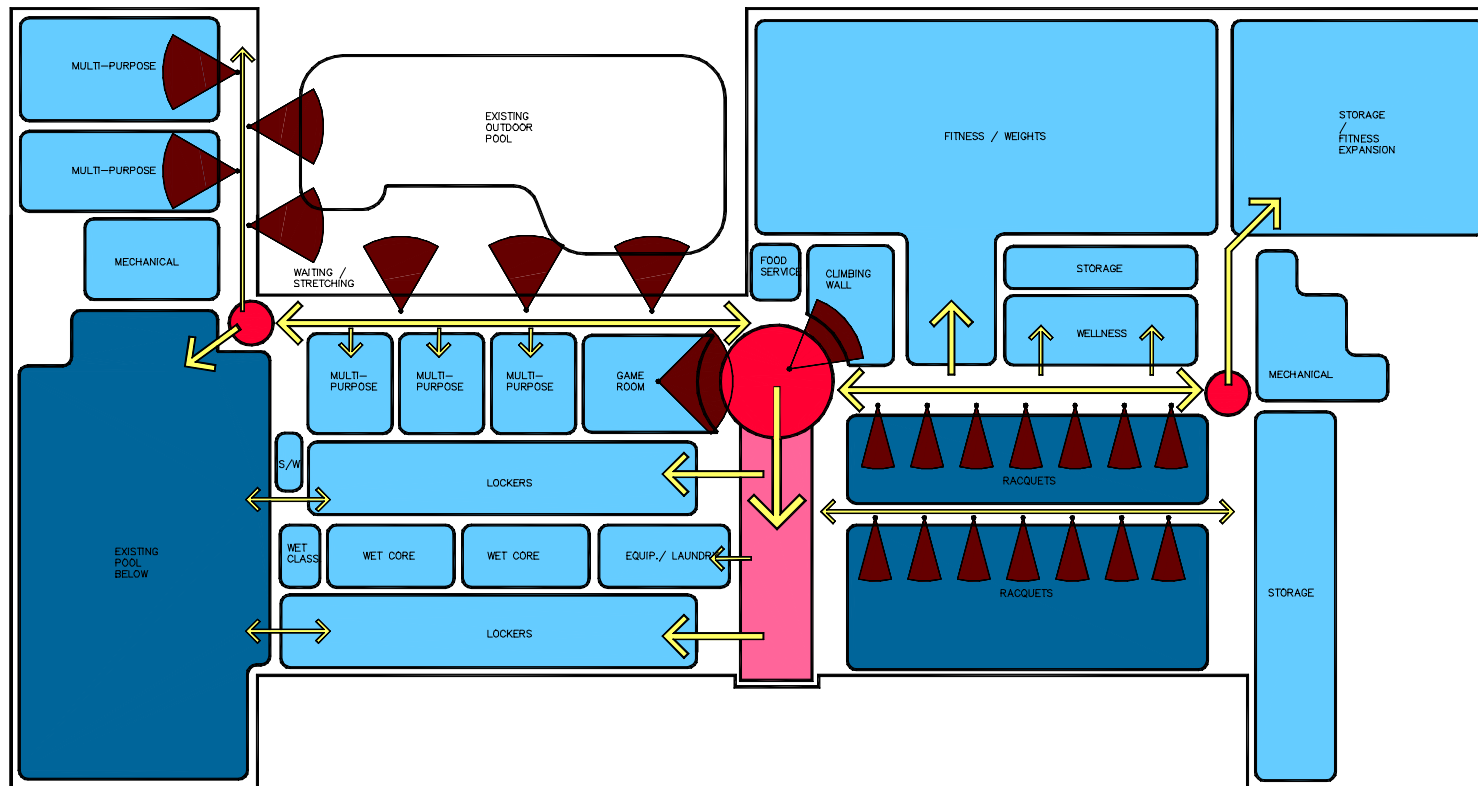


BRAILSFORD & DUNLAVEY





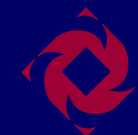
Case Studies – *University of Illinois*

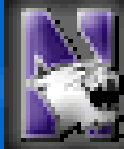


IMPE – Lower Level



BRAILSFORD & DUNLAVEY





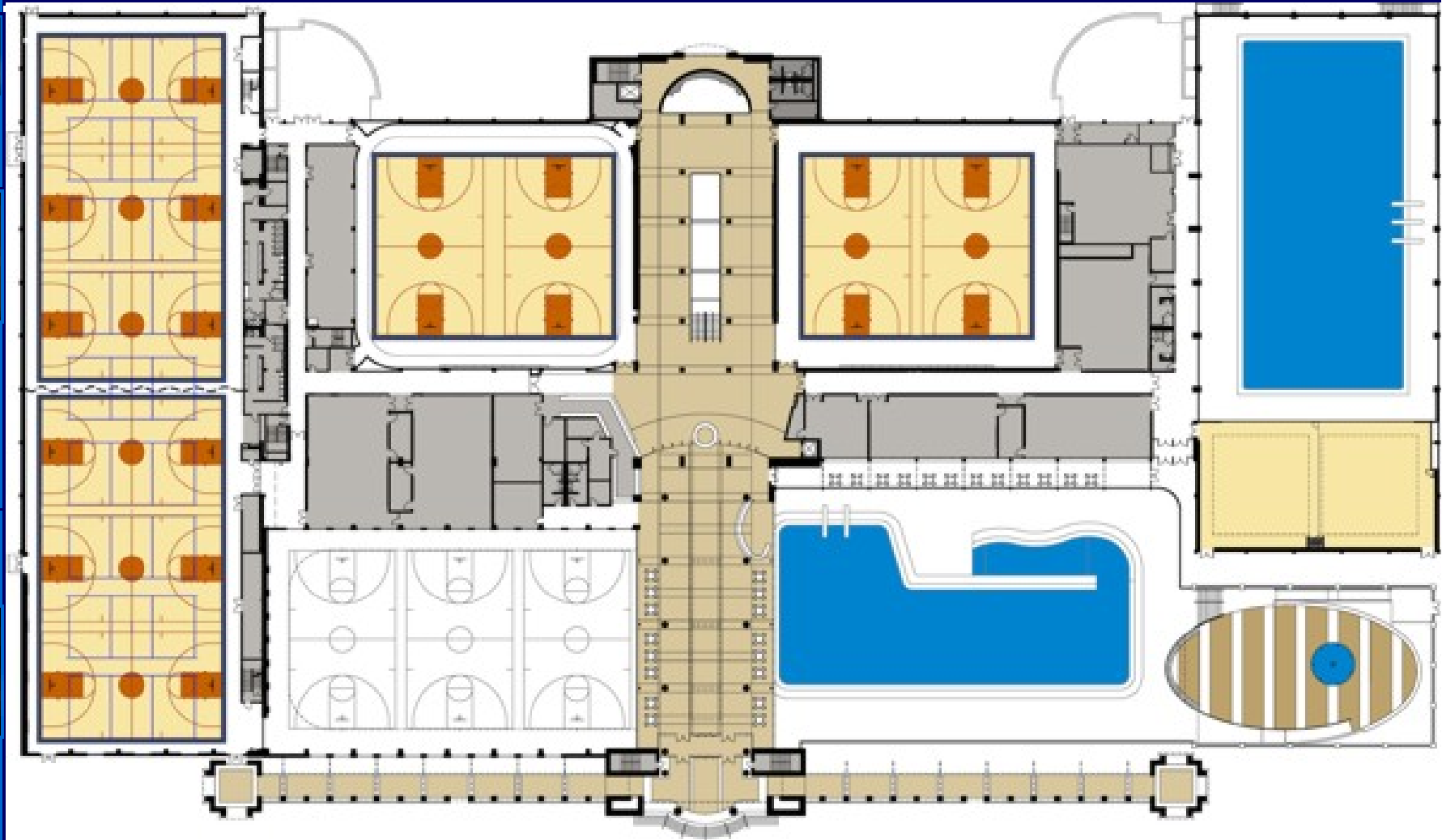
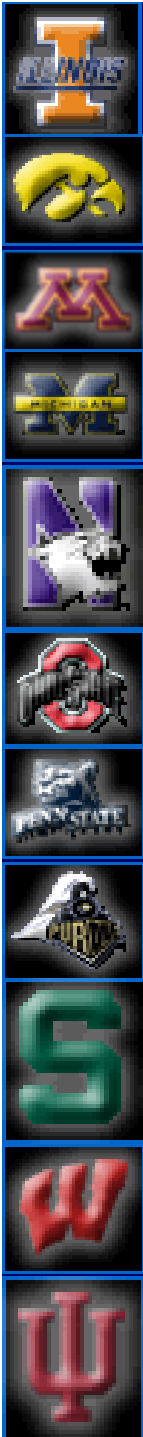
Case Studies – *University of Illinois*



BIGTEN

BRAILSFORD & DUNLAVEY

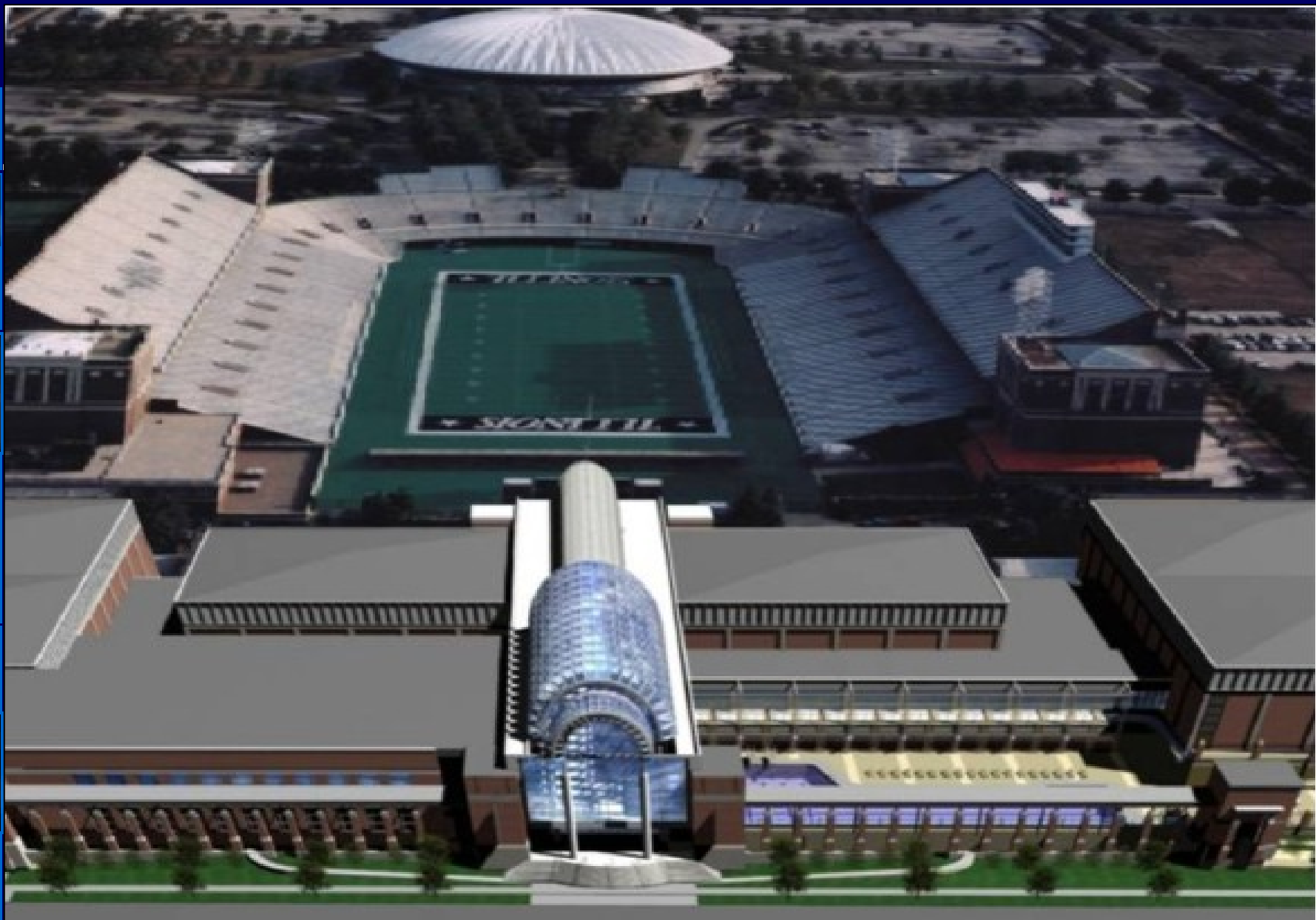
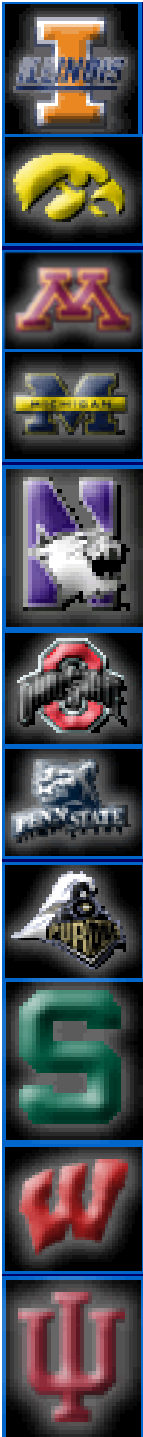




Big Ten

BRAILSFORD & DUNLAVEY

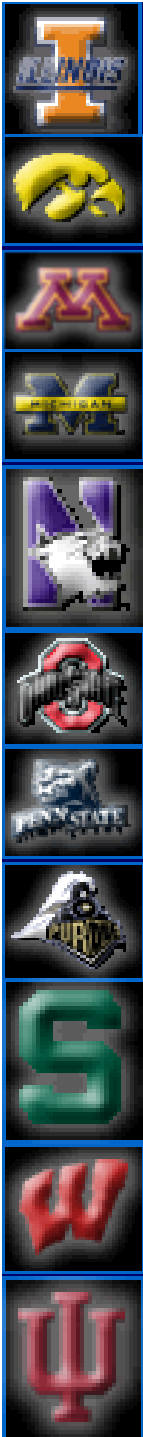




Big Ten

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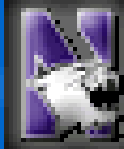




BIG TEN

BRAILSFORD & DUNLAVEY





Case Studies – *Purdue University*

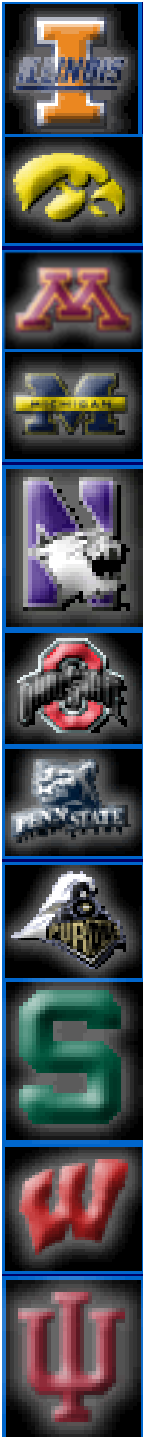
Recreational Sports Center



Big Ten

BRAILSFORD & DUNLAVEY





Facility Concept

Basement Level

Legend:

- | | | |
|-------------------|--------------------|------------------|
| Administration | Weight & Fitness | Natorium |
| Wellness | Gymnasiums | Leisure Aquatics |
| Entry & Lounges | Special Activities | Locker Rooms |
| Bldg Core & Circ. | Racquetball | |

Main Circulation



Facility Concept

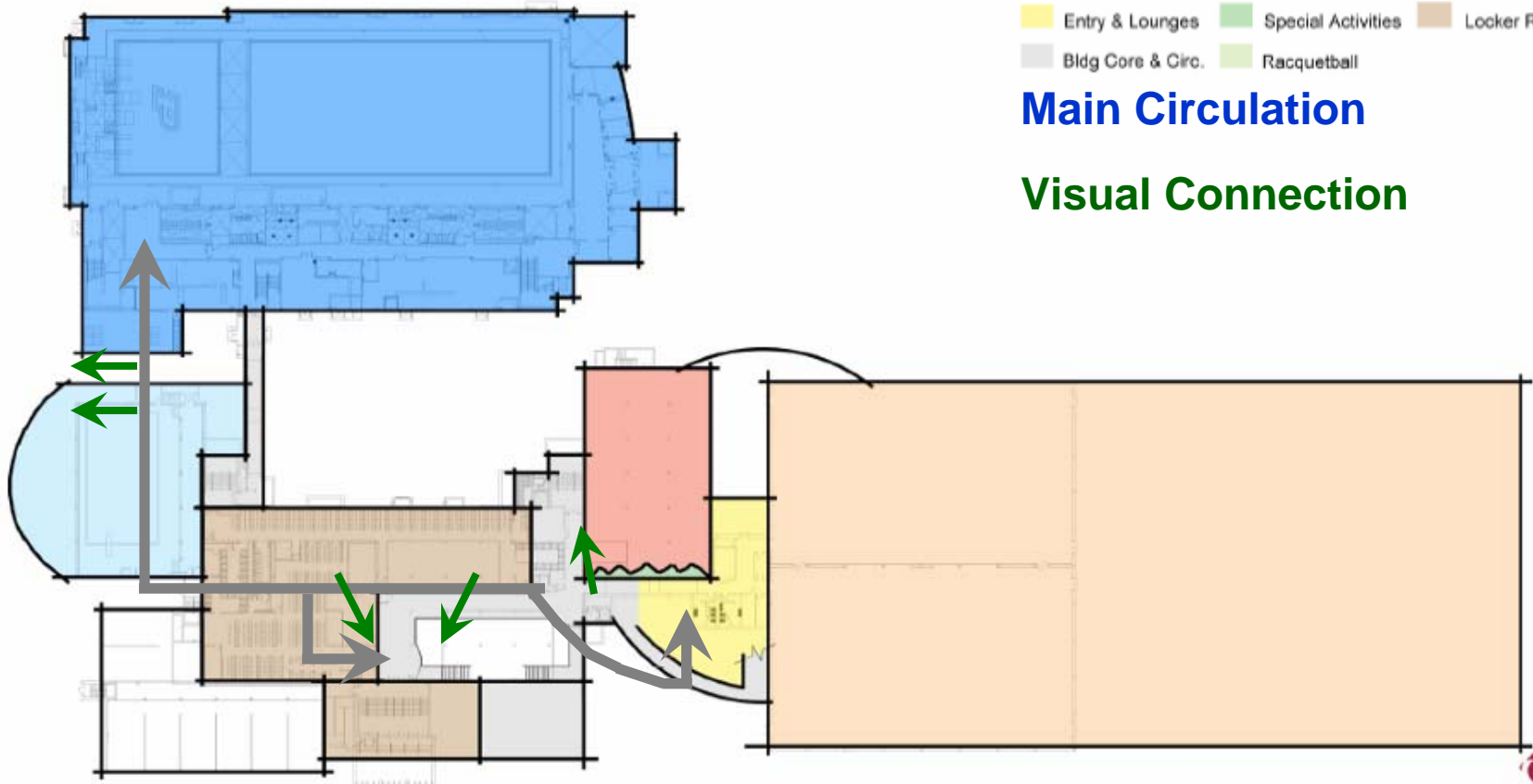
Ground Floor

Legend:

- | | | |
|-------------------|--------------------|------------------|
| Administration | Weight & Fitness | Natorium |
| Wellness | Gymnasiums | Leisure Aquatics |
| Entry & Lounges | Special Activities | Locker Rooms |
| Bldg Core & Circ. | Racquetball | |

Main Circulation

Visual Connection



BRAILSFORD & DUNLAVEY
Public Parks - Project Manager
Member of AECOM

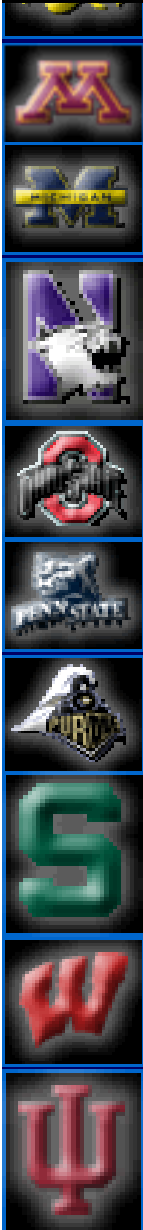


Big Ten

BRAILSFORD & DUNLAVEY



Facility Concept

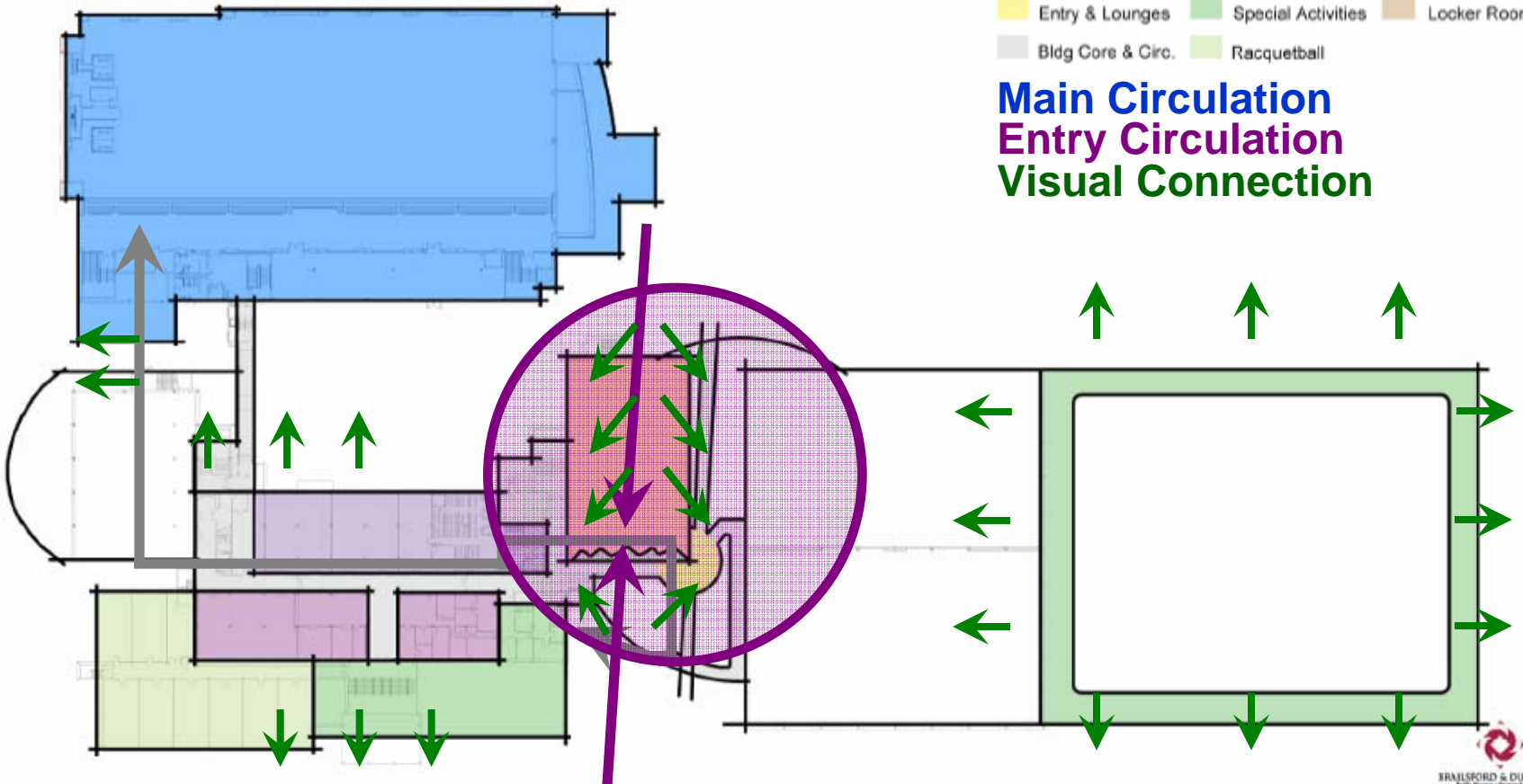


Main Floor

Legend:

- Administration
- Weight & Fitness
- Natorium
- Wellness
- Gymnasiums
- Leisure Aquatics
- Entry & Lounges
- Special Activities
- Locker Rooms
- Bldg Core & Circ.
- Racquetball

Main Circulation
Entry Circulation
Visual Connection



BRAILSFORD & DUNLAVEY
Build. Permits • Program Managers
Master of Architecture

Big Ten

BRAILSFORD & DUNLAVEY



Facility Concept

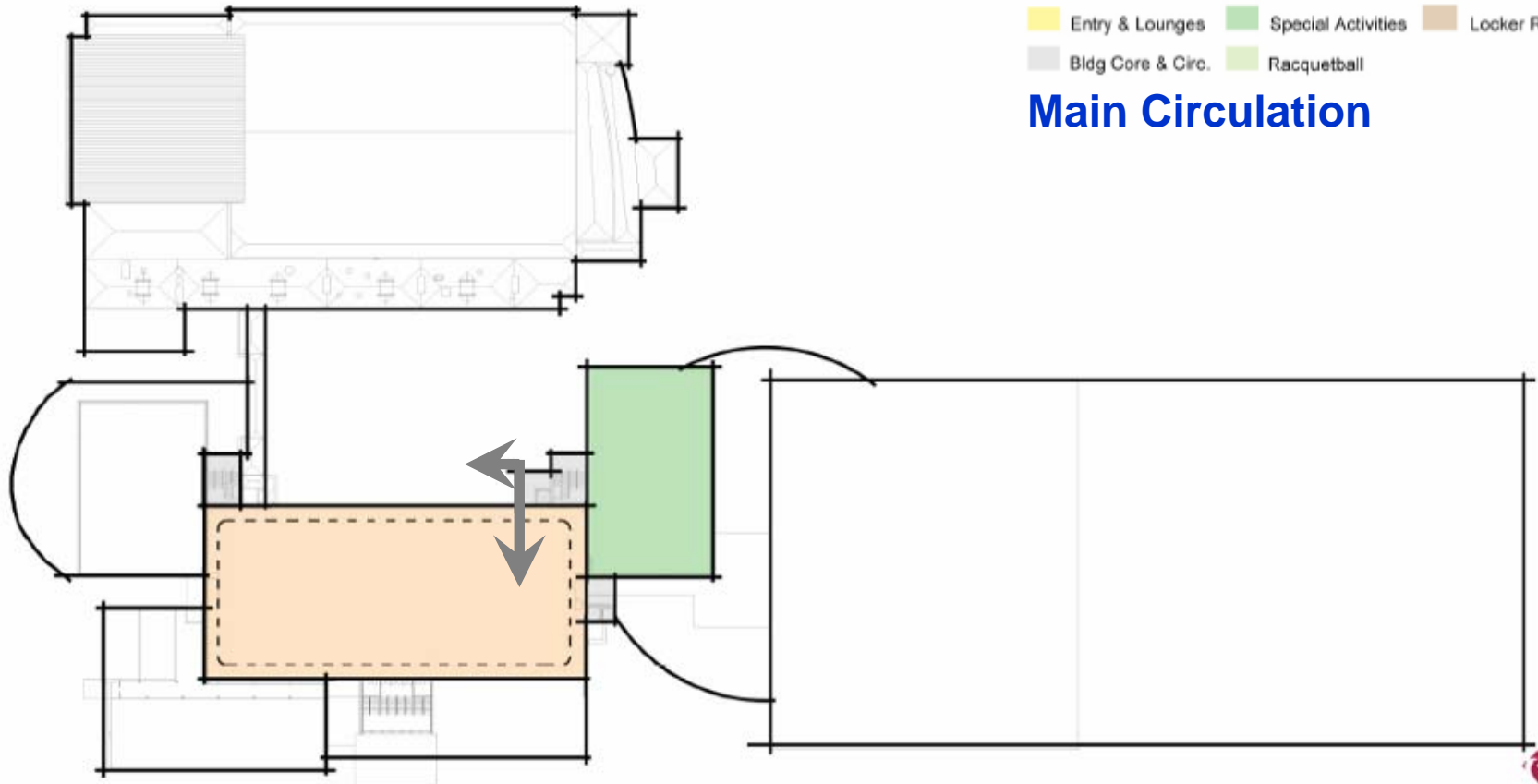


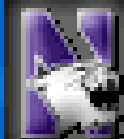
Second Floor

Legend:

- | | | |
|-------------------|--------------------|------------------|
| Administration | Weight & Fitness | Natatorium |
| Wellness | Gymnasiums | Leisure Aquatics |
| Entry & Lounges | Special Activities | Locker Rooms |
| Bldg Core & Circ. | Racquetball | |

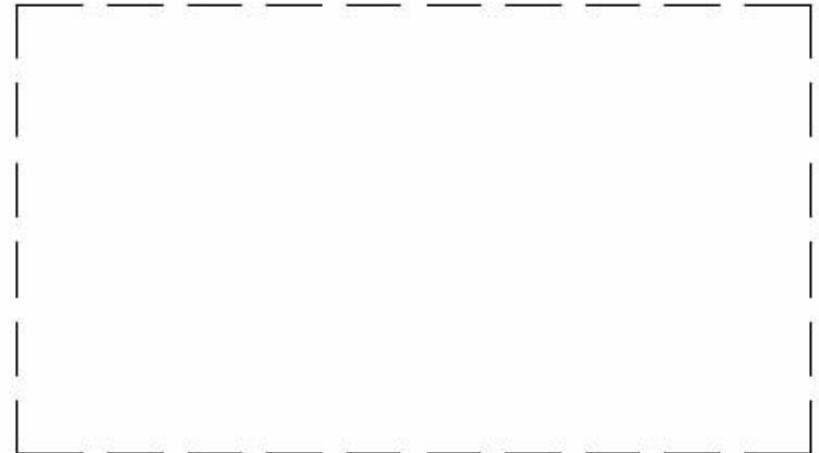
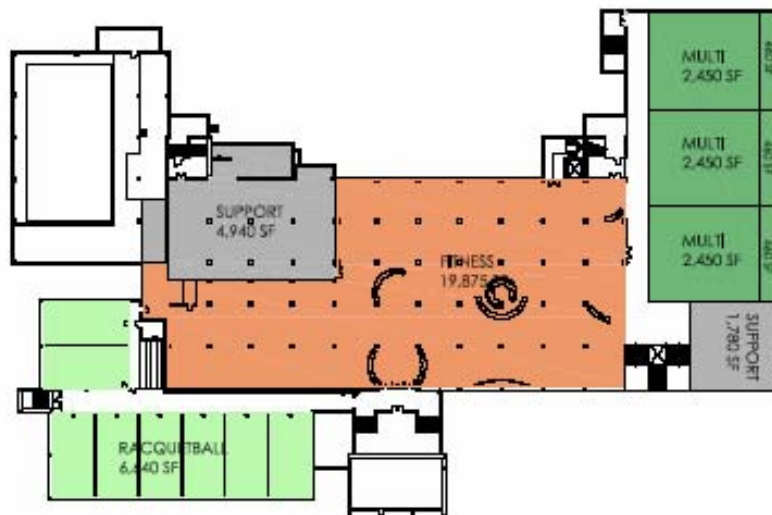
Main Circulation

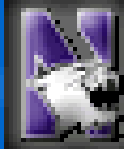




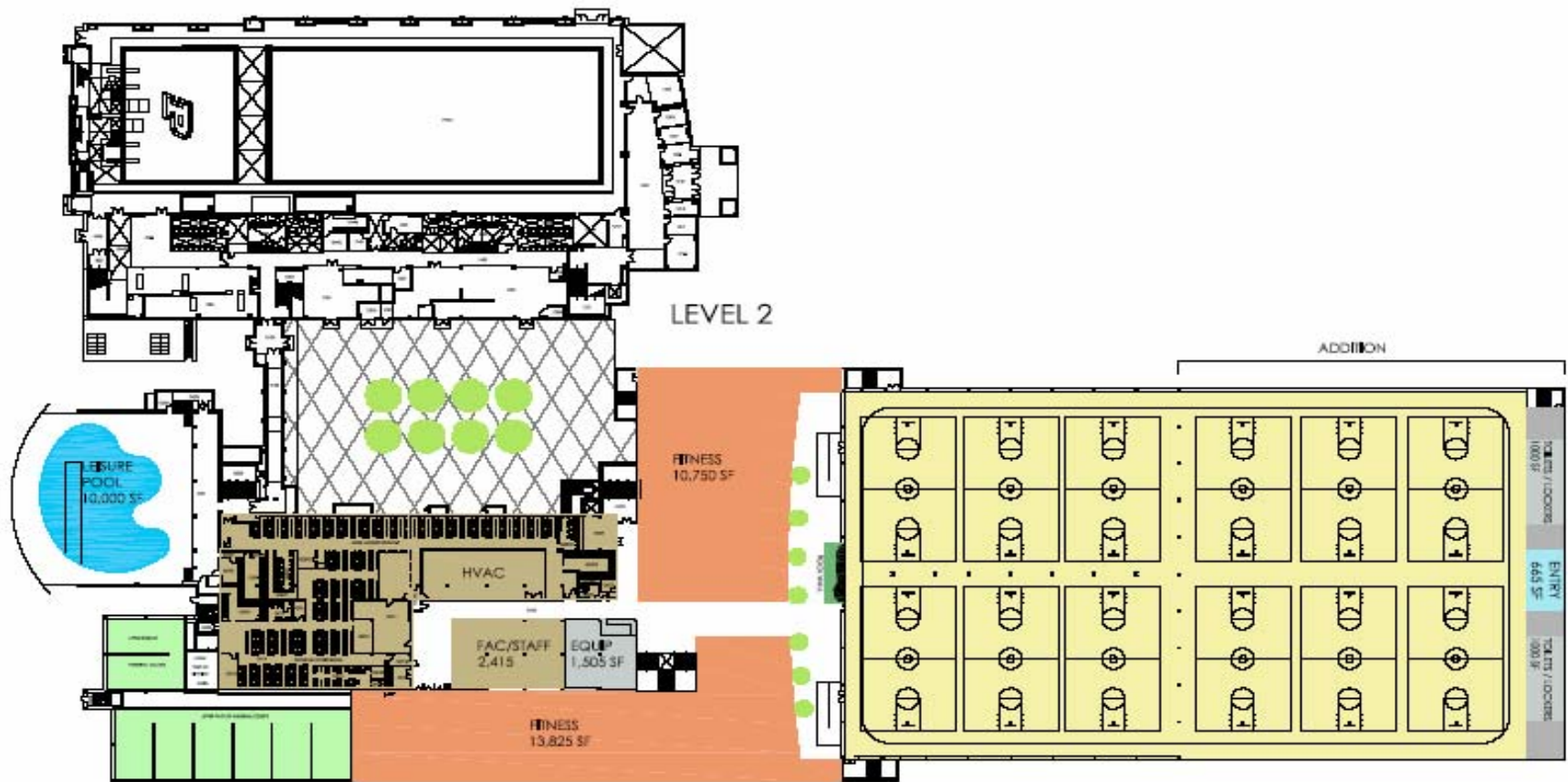
Case Studies – *Purdue University*

LEVEL 1





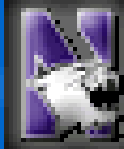
Case Studies – *Purdue University*



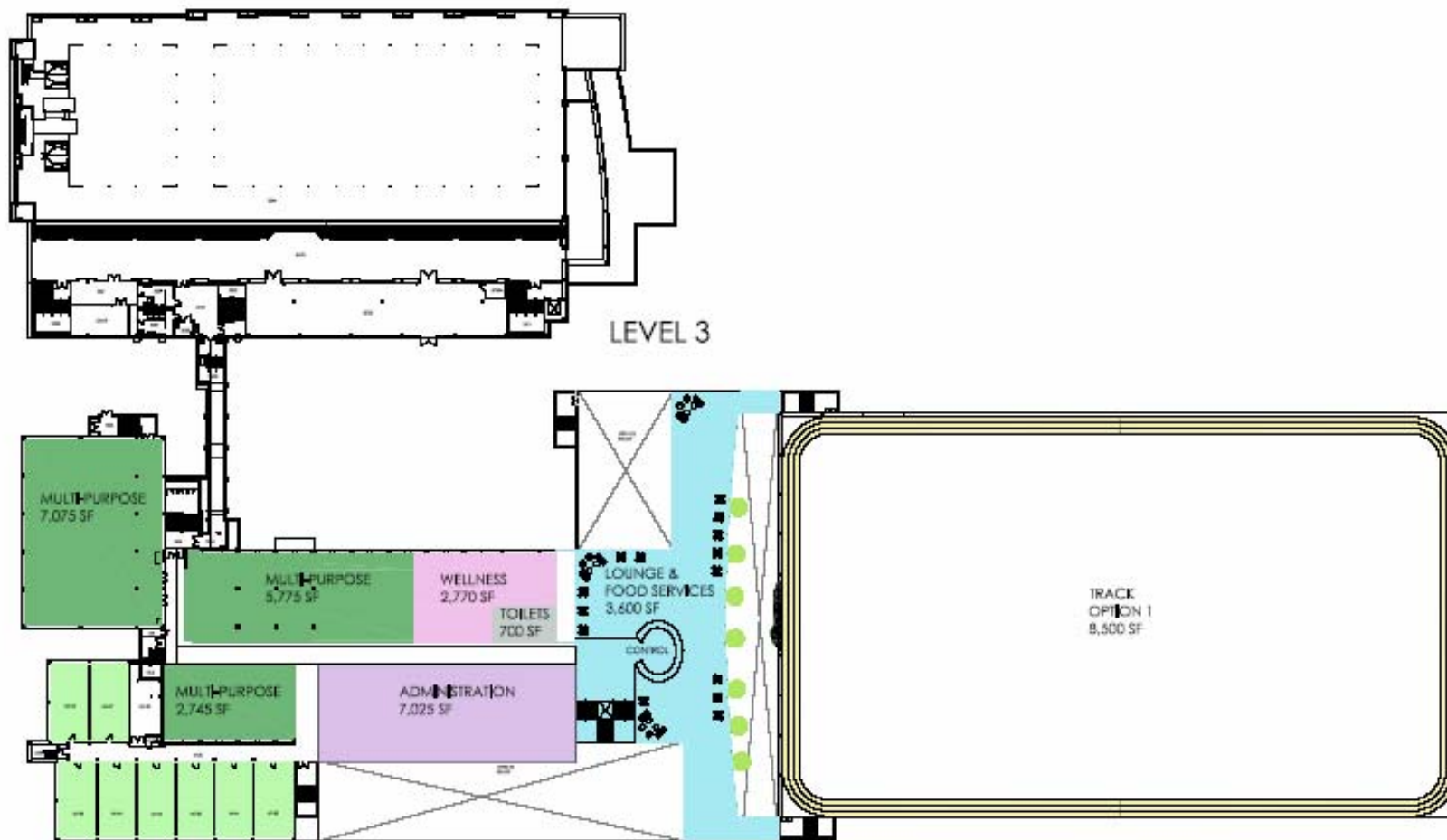
BIG TEN

BRAILSFORD & DUNLAVEY





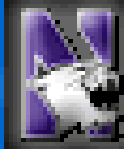
Case Studies – *Purdue University*



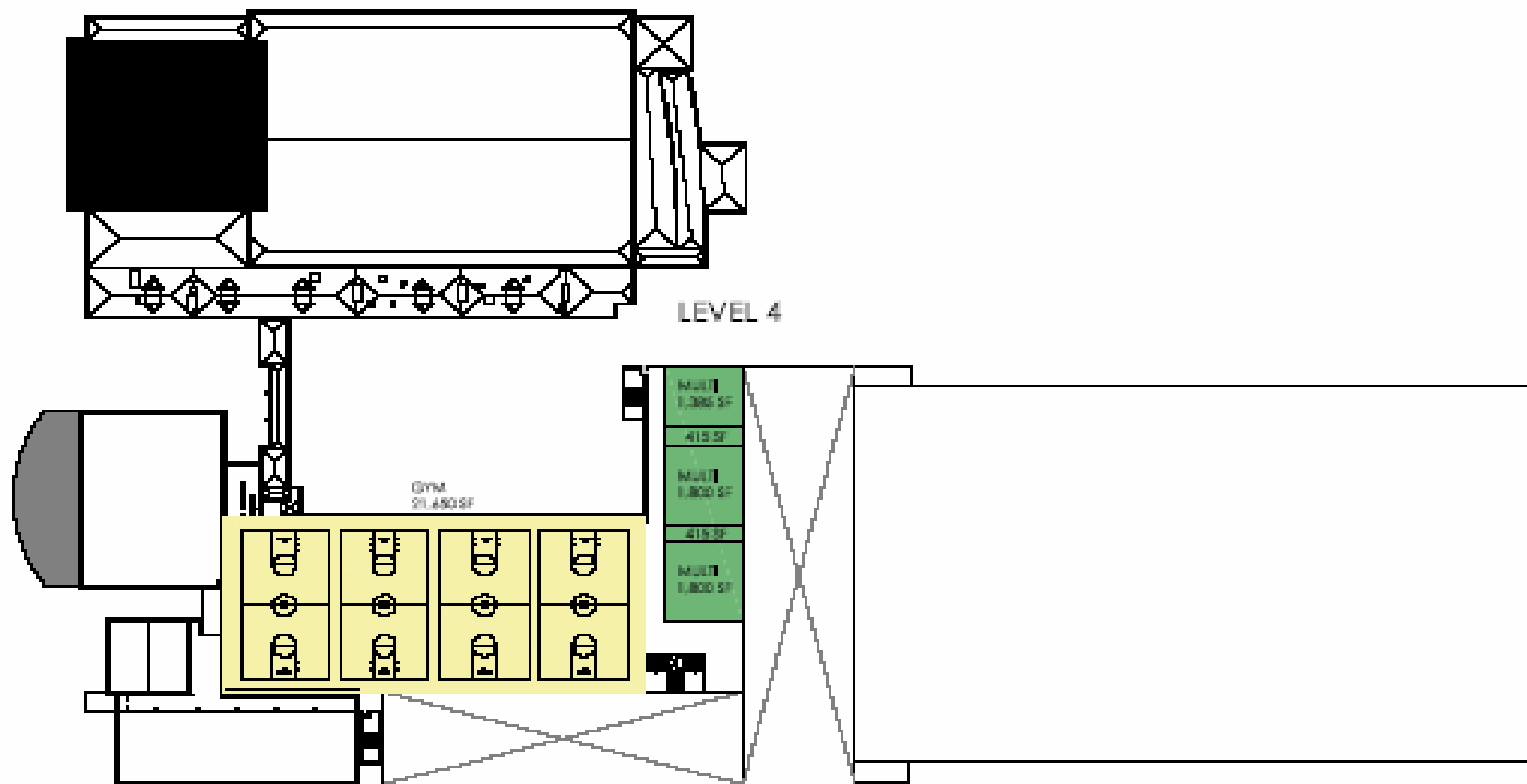
Big Ten

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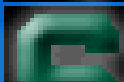
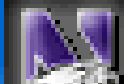
Case Studies – *Purdue University*



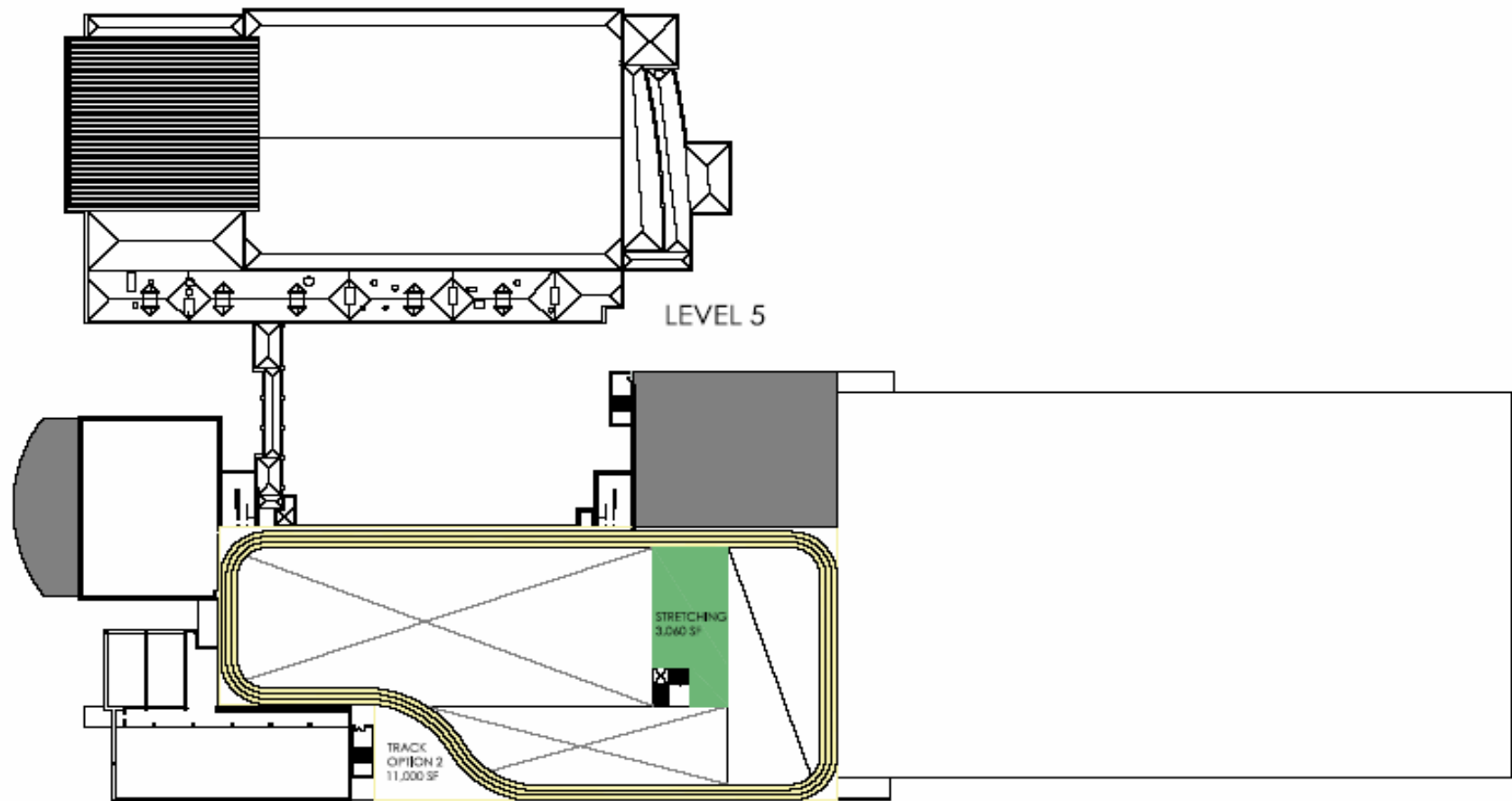
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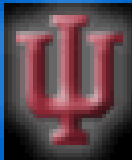
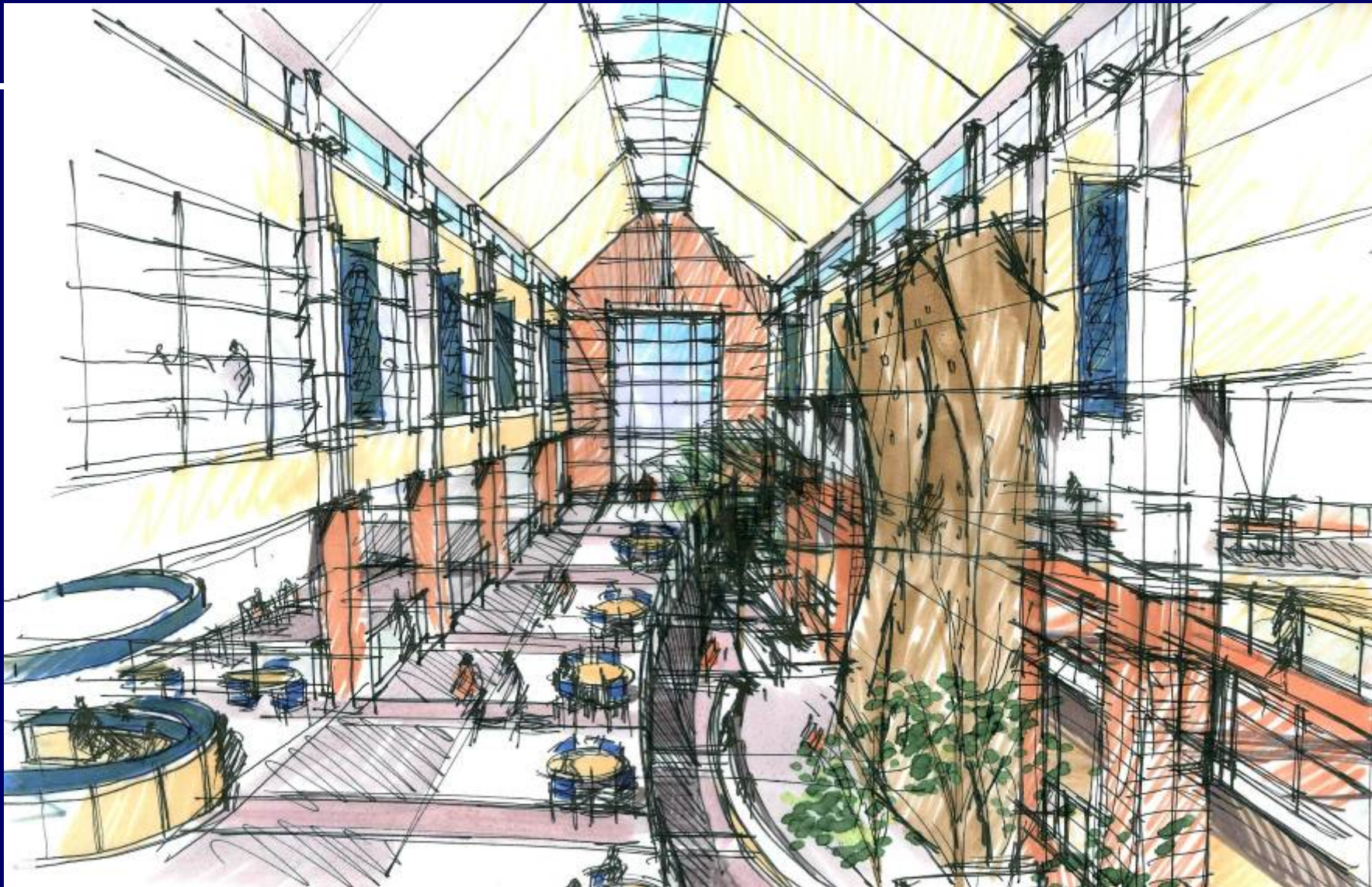
Case Studies – *Purdue University*



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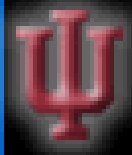




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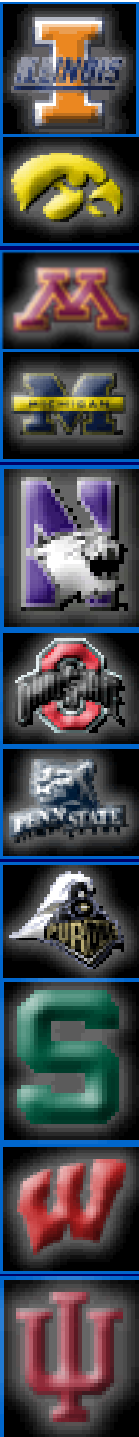




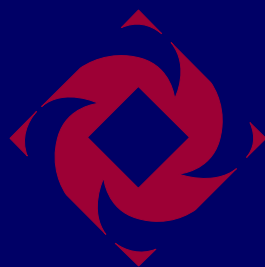
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RENOVATION & EXPANSION STRATEGIES for LARGE-SCALE RECREATION CENTERS

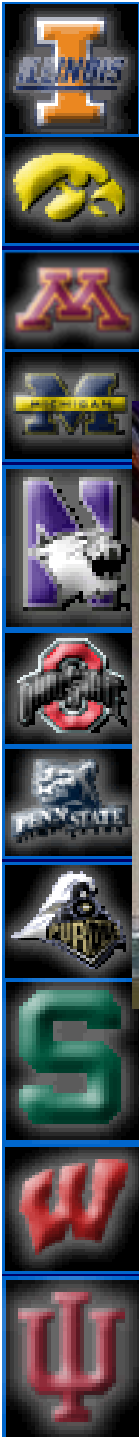


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Reference Points

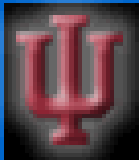
ZKM Center for Art and Media Technology - Karlsruhe
Schweger & Partner



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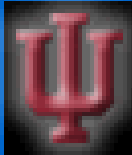
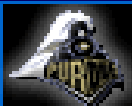
Reichstag - Berlin Norman Foster



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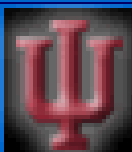
Prado Museum - Madrid
Rafael Moneo



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Reference Points

Rooftop Remodeling - Vienna CoopHimmel(b)lau



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