

International Quilt Study Center

A Design Competition

University of Nebraska - Lincoln
Howard Parker, Campus Architect

AUA Case Study
June, 2008



International Quilt Study Center

A Design Competition

**Imagine a Treasure House of
Quilts with no place to be
displayed.....**

This is the story of a design
competition for a new Quilt
Center....

Illuminating the complex ways
gender, class, ethnicity,
aesthetics, politics, religion and
technology find expression in
the textile arts....

Enriching the study of the fine
arts, history, anthropology,
sociology, political science,
religion, clothing and textile
design.



The Reconciliation Quilt – 1867

BACKGROUND:

1650 Quilts in storage with
limited display opportunity:

**Ardis and Robert James
Collection** of contemporary
quilts

Cargo Collection of African
American quilts

Jonathan Holstein Collection
of Pennsylvania Amish quilts

Whitney Museum Collection



*PROBLEM.....*No place to display fabulous collection of quilts.



*SOLUTION.....***Donor** who says “Let’s have a **Design Competition** !!!

In another moment down went Alice after it, never once considering how in the world she was to get out again.....



Here's what we learned - while down the rabbit hole.....

DESIGN COMPETITION PHASE

CHALLENGE # 1

No provision in Regents policy or State law for Design Competition.



SOLUTION:

Design Competition will take place under auspices of the University Foundation, who will then donate the design to the University.

DESIGN COMPETITION PHASE

CHALLENGE # 2

How to manage a design competition successfully?



Roger Schluntz, FAIA

Dean, School of Architecture and Planning
University of New Mexico - Albuquerque



Simple RFP
(1/4" thick)

SOLUTION:

1. Hire and experienced person to sit on the Selection Committee.
2. KISS

DESIGN COMPETITION PHASE

CHALLENGE # 3

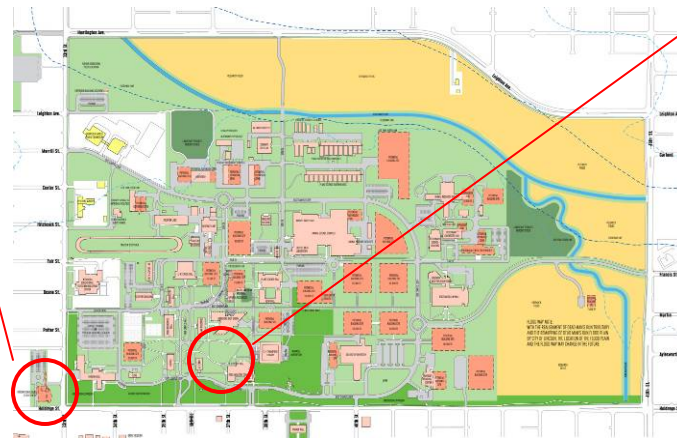
Controversy over the site selection.



East Campus Gateway Site



East Campus Dairy Store Site



East Campus Master Plan

SOLUTION:

Shortlisted design competition firms were asked for their recommendation

DESIGN COMPETITION PHASE

CHALLENGE # 4

How to stay within budget?..... given history of other design competitions.



SOLUTIONS:

1. Each firm required to submit cost estimate within budget
2. Cost estimates were evaluated by estimating consultant as part of evaluation of designs

CHALLENGE # 8

How to explain the high fees for a Star Architect to the Board of Regents.



SOLUTIONS:

1. Standard Basic Services fee shown on the budget sent to Regents.
2. University Foundation funded a “Design Prize” of \$500,000 to the winning firm, and \$50,000 to each of the runners up.

DESIGN COMPETITION PHASE

CHALLENGE # 5

How to manage the Selection Committee?



SOLUTIONS:

1. Balance the committee with professional AE's and lay people.
2. Relax – let everyone have their say – pray that sanity will prevail !!!

DESIGN COMPETITION PHASE

SANITY PREVAILS !!!

Consensus on 3 firms to participate in the competition



Kisho Kurokawa (Japan)
with Sinclair Hille (Lincoln)



Daniel Libeskind (New York)
with local firm (TBD)



Robert Stern (New York)
with Alley Poyner (Omaha)

SOLUTIONS:

1. Standard Basic Services fee shown on the budget sent to Regents.
2. University Foundation funded a “Design Prize” of \$500,000 to the winning firm, and \$50,000 to each of the runners up.

DESIGN COMPETITION PHASE

CHALLENGE # 6

How to avoid avoid confusion during the 3 month competition?



SOLUTIONS:

1. No communication or feedback between the Selection Committee and the firms.

DESIGN COMPETITION PHASE

CHALLENGE # 7

How to choose the winning design?

Too Pointy.....



Too Square.....



Just Right !!!



DESIGN TEAM

ARCHITECT



Robert A.M. Stern Architects, LLP

Robert A.M. Stern, Senior Partner
Grant F. Marani, Project Partner
Rosa Maria Colina, Project Manager
Goil Amornvivat
Ravi D'Cruz
Tom Morbitzer
Brian Stromquist
Kayin Tse

ASSOCIATE ARCHITECT

Alley Poyner Architecture, PC

Perry L. Poyner, Principal
Albert T. Macchietto, Principal

LANDSCAPE ARCHITECT

Hargreaves Associates

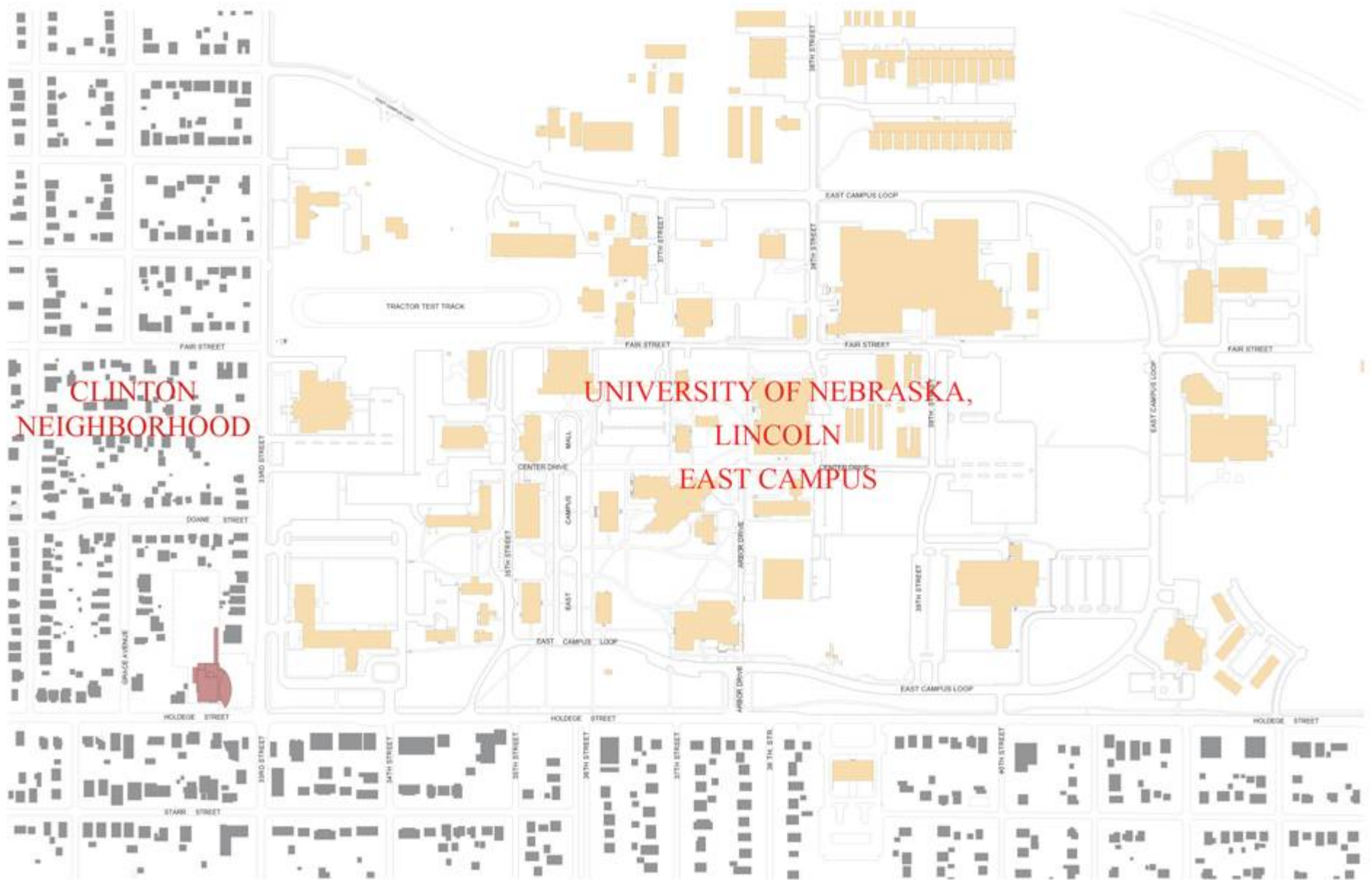
George Hargreaves, Principal
Ken Haines, Senior Associate

Robert Stern / Alley Poyner's



Design Competition Presentation

(abbreviated)

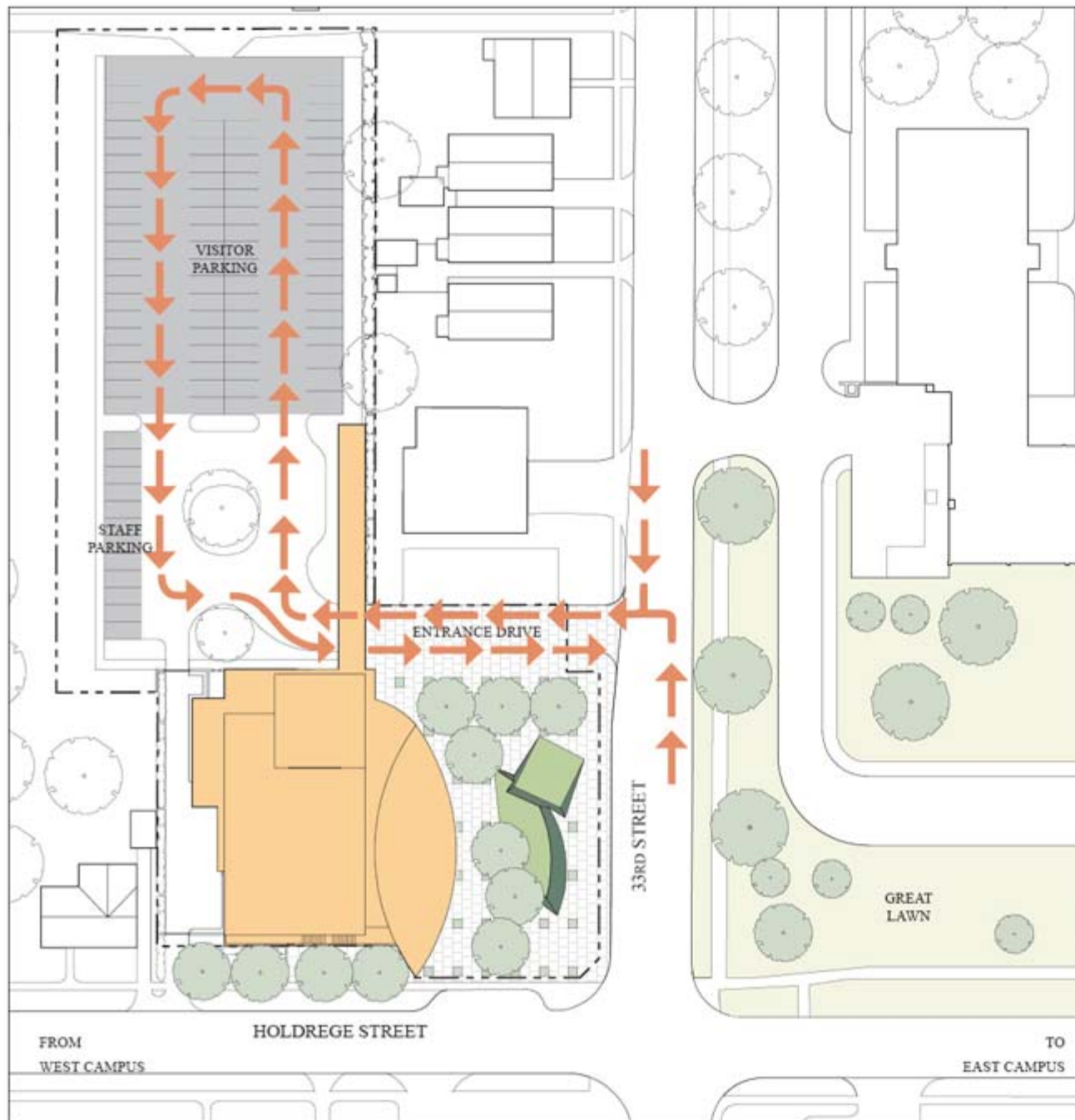






SITE PLAN





VEHICLE

CIRCULATION

0 50 100FT





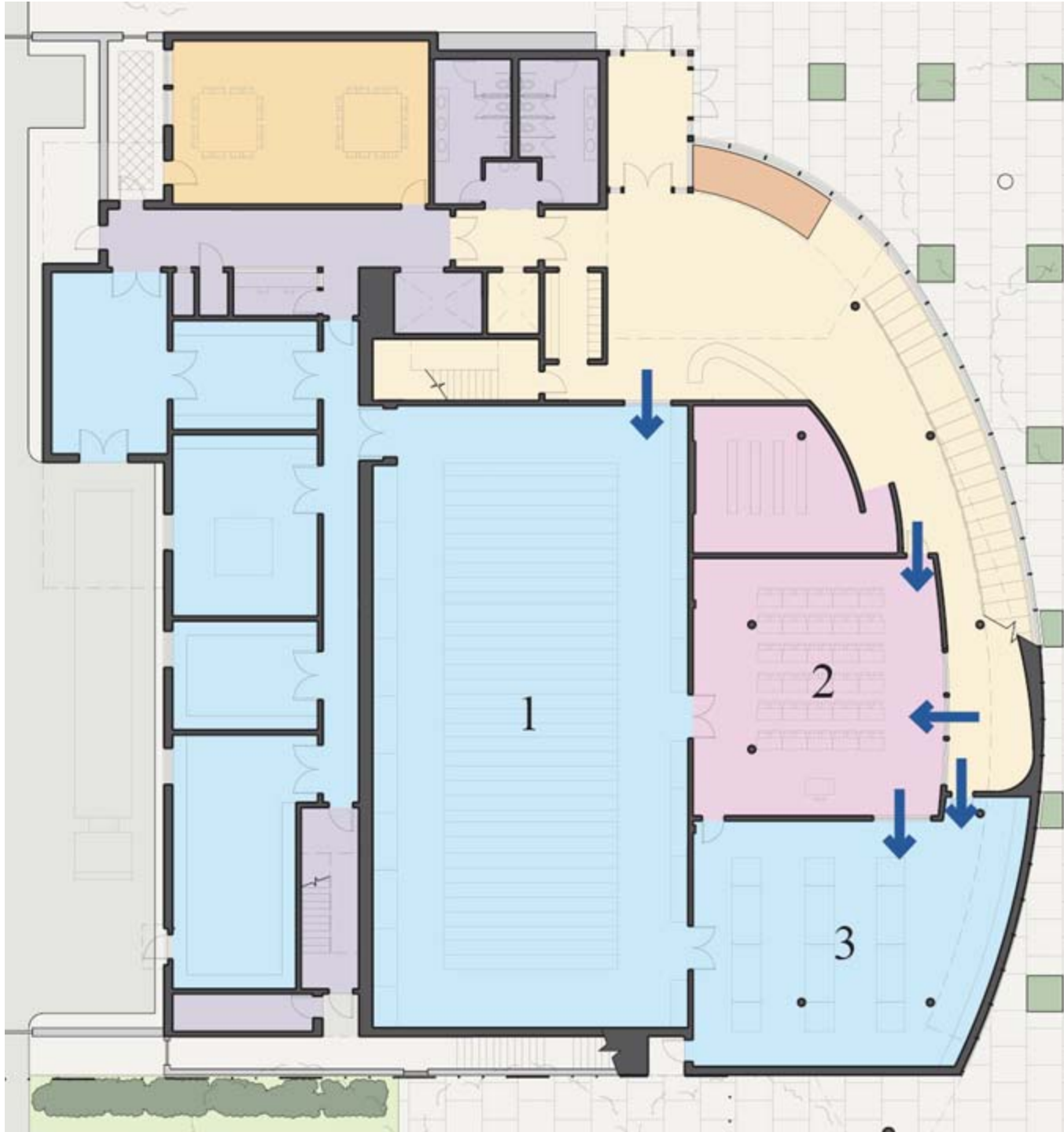


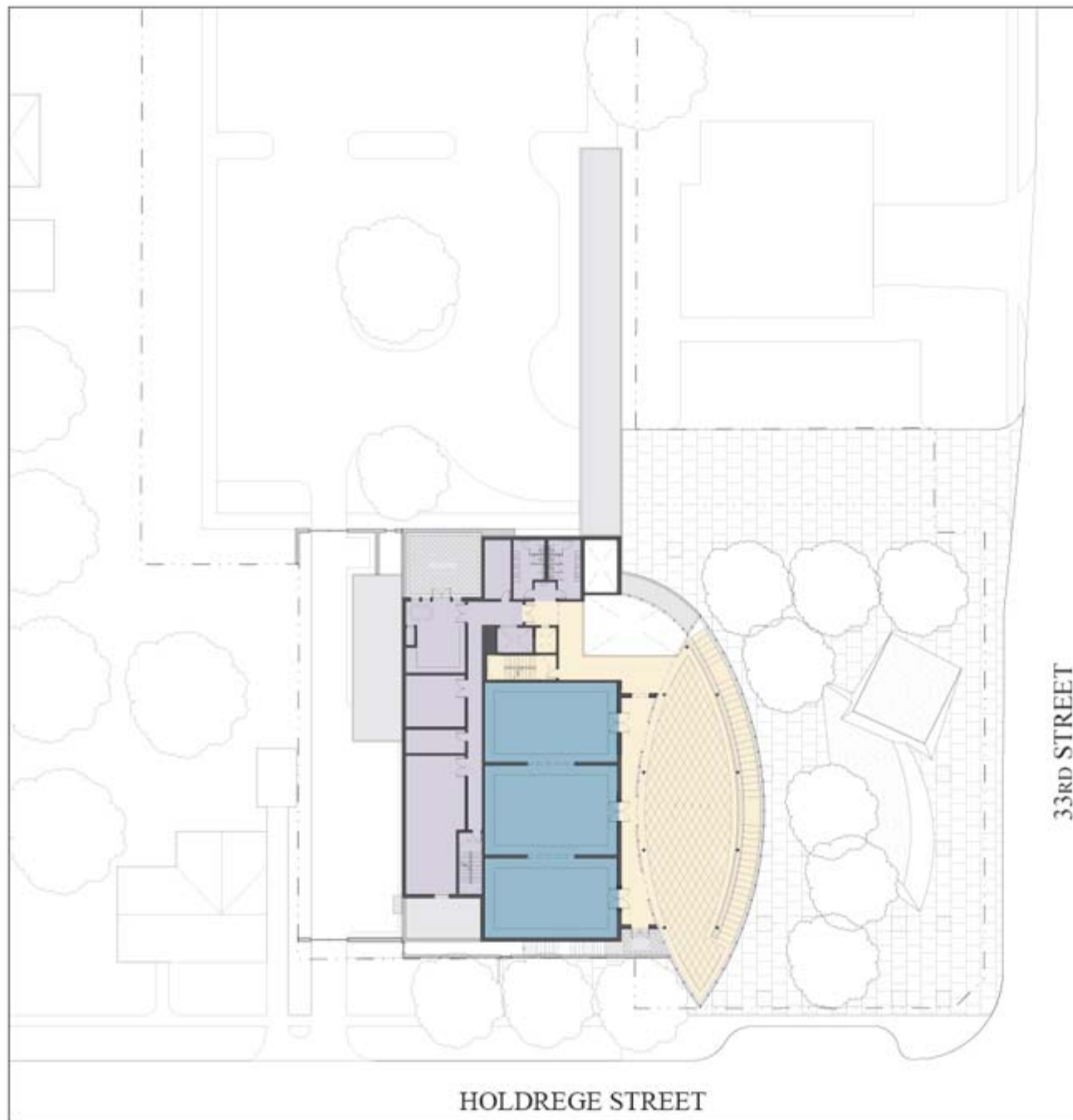
- PUBLIC CIRCULATION
- EXHIBITS
- ADMINISTRATION
- EDUCATION
- COLLECTIONS
- RETAIL / FOOD SERVICE
- SERVICE / SUPPORT

FIRST FLOOR PLAN

0 32 64FT





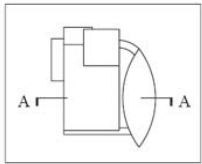


- PUBLIC CIRCULATION
- EXHIBITS
- ADMINISTRATION
- EDUCATION
- COLLECTIONS
- RETAIL / FOOD SERVICE
- SERVICE / SUPPORT

SECOND FLOOR PLAN

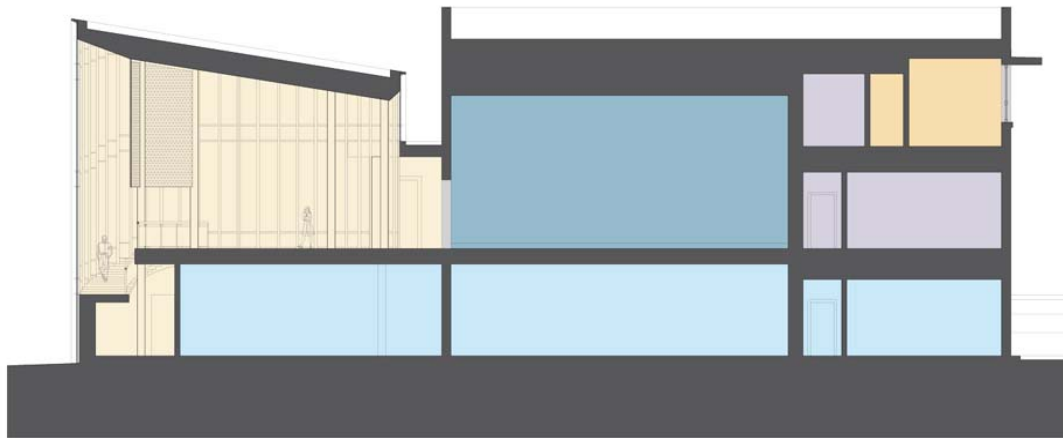
0 32 64FT





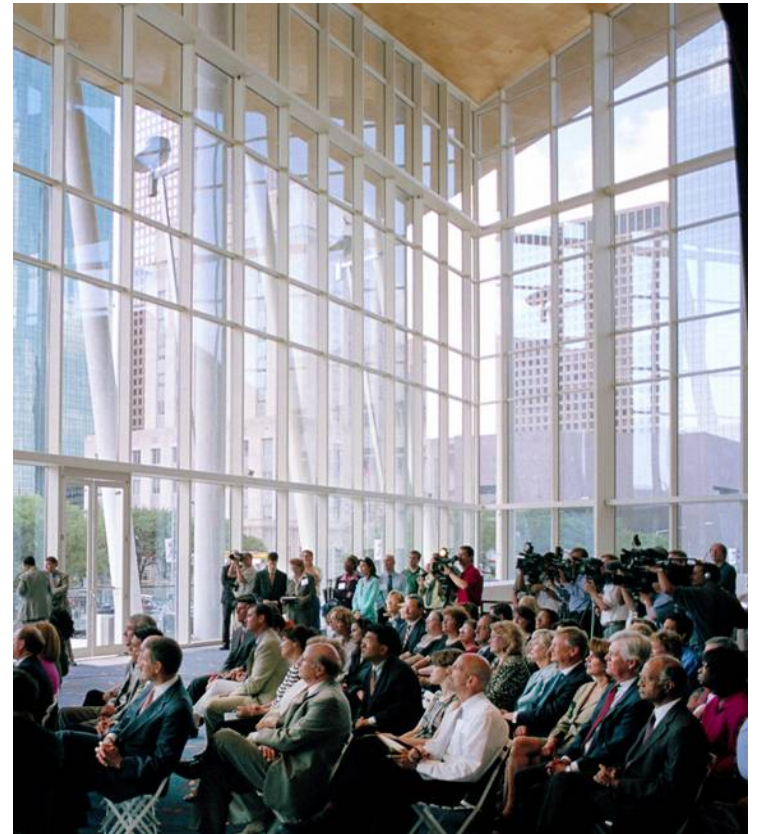
KEY PLAN

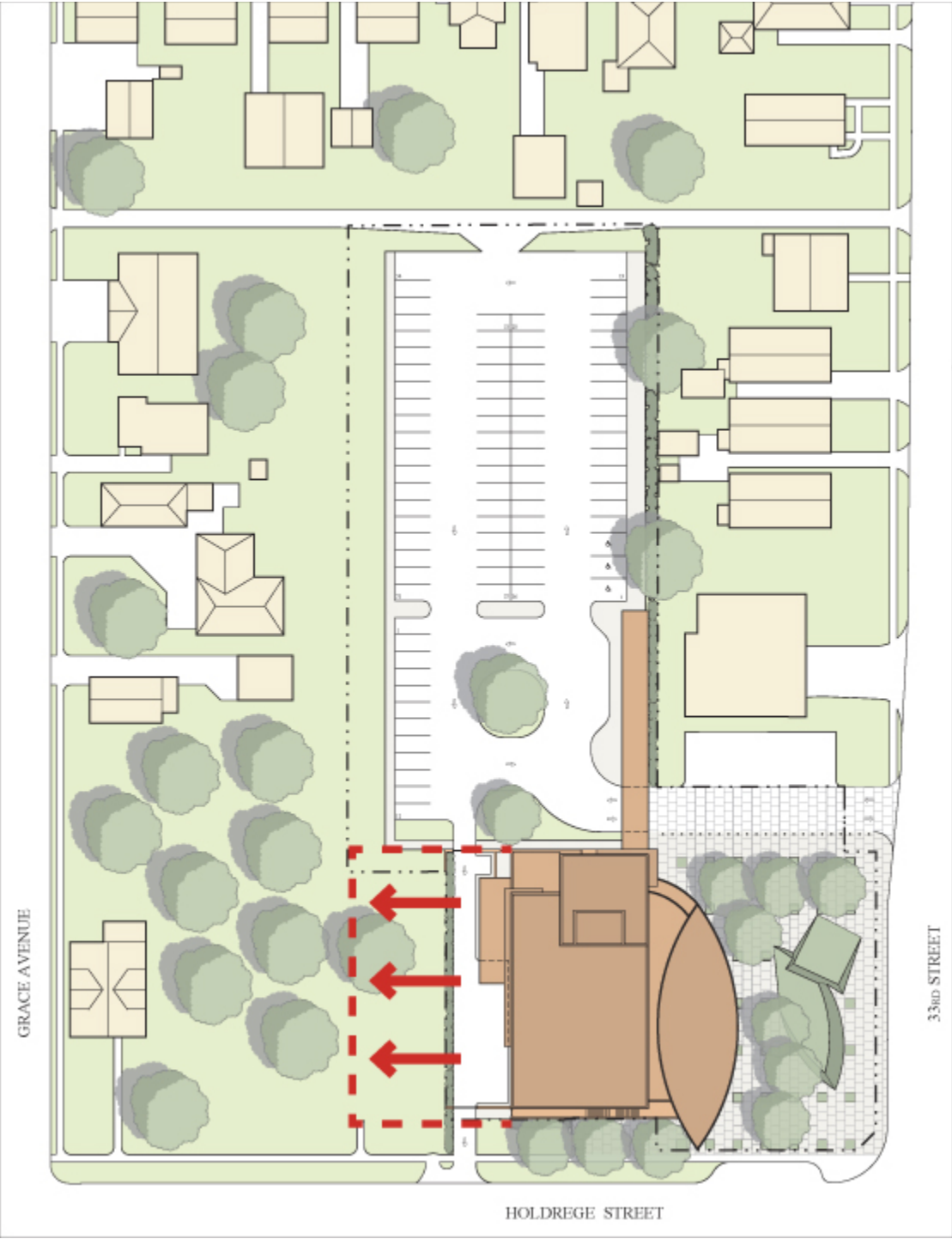
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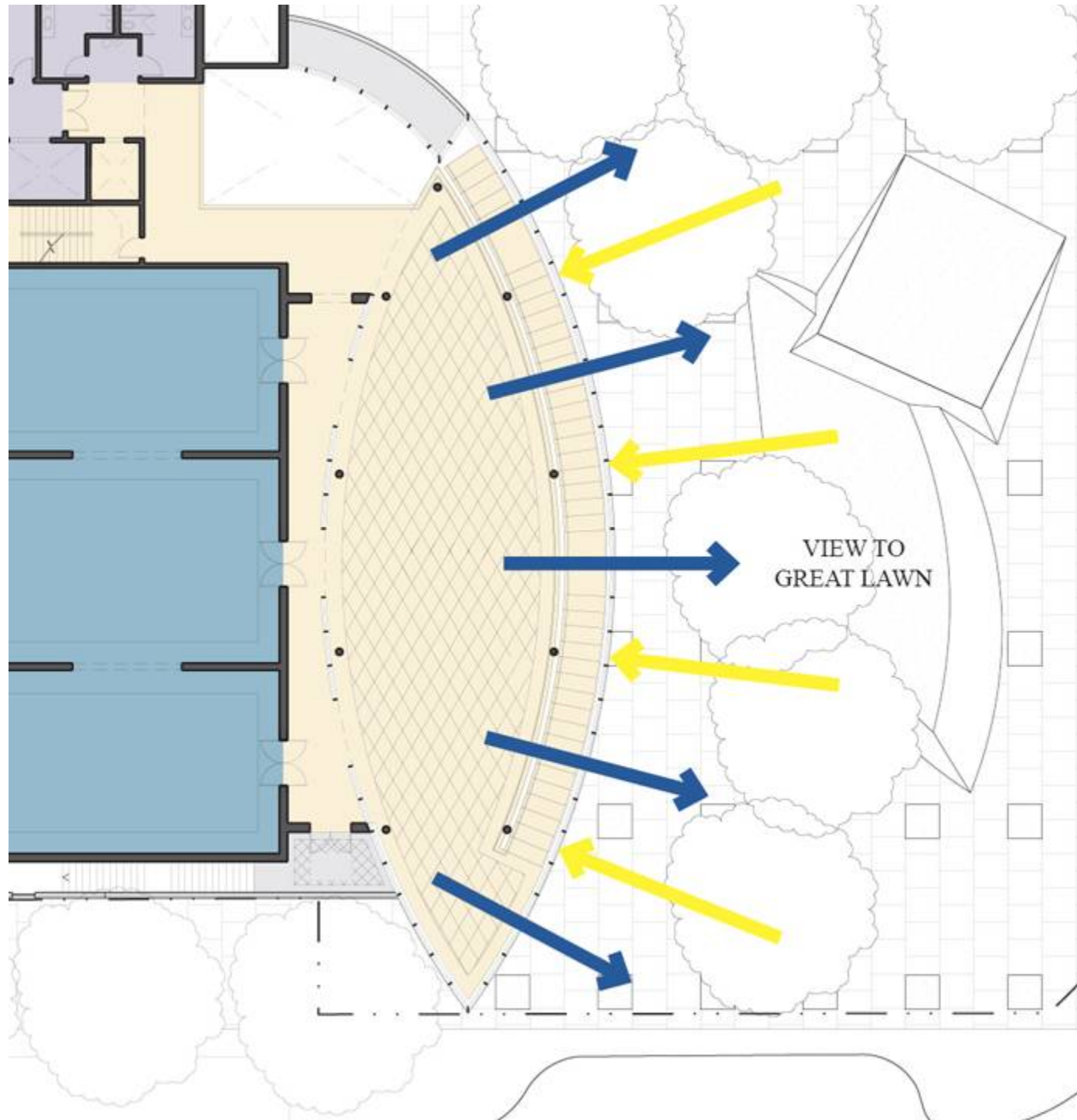


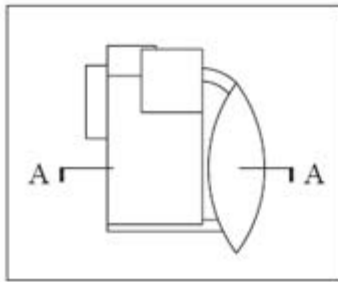
SECTION A-A

0 8 16FT



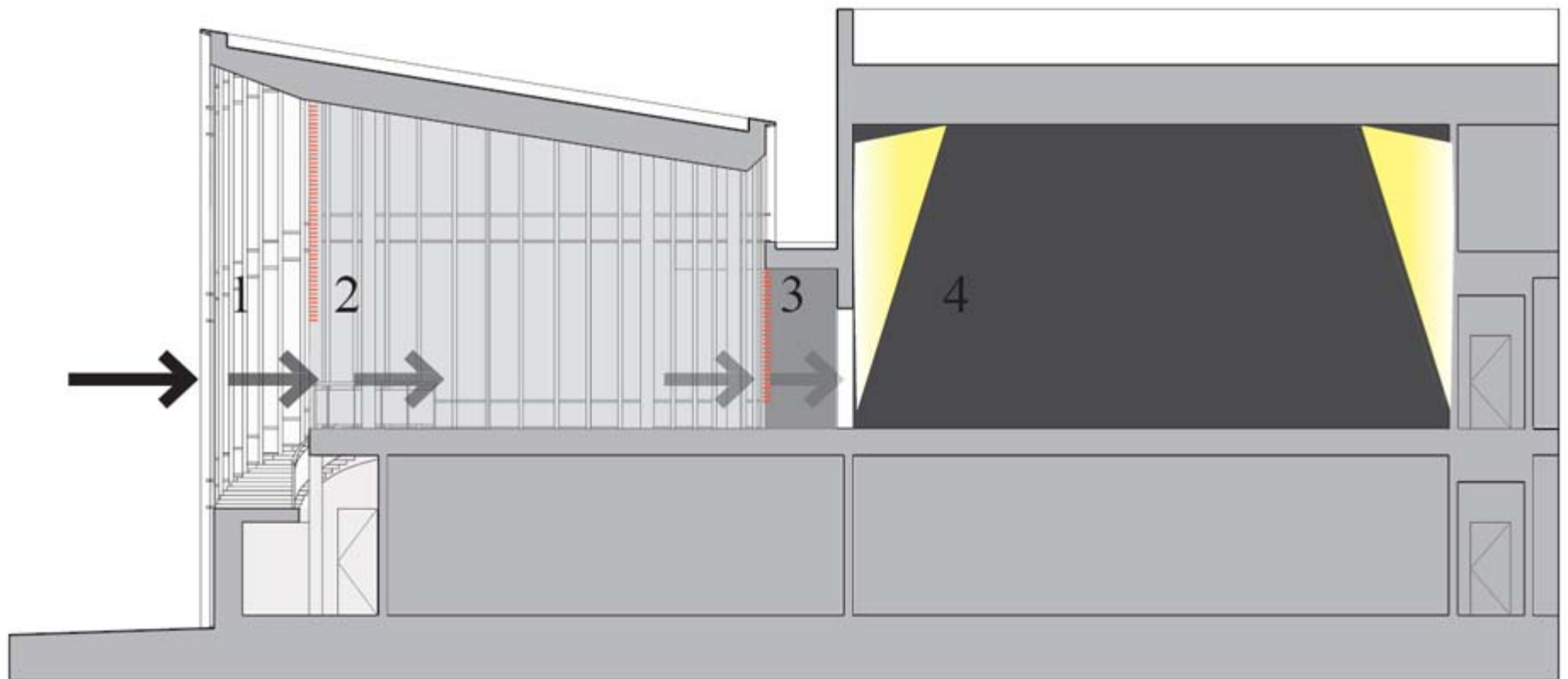






KEY PLAN

1. FRITTED WINDOW WALL FOR SHADING OF RECEPTION HALL
2. 70% SUNSCREEN AT STAIR COLUMN
3. 40% SUNSCREEN AT GALLERY ENTRANCE
4. PERIMETER AMBIENT WASHLIGHTING FROM CEILING



LIGHTING DIAGRAM

0 8 16FT





W. Schaller '05

OK,

Now let's do the “Actual
Design”

“ACTUAL” DESIGN PHASE

CHALLENGE # 8

Curtain wall design is a structural and condensation challenge.



SOLUTIONS:

1. Curtain wall consultant incorporates structural element and perimeter heating.

“ACTUAL” DESIGN PHASE

CHALLENGE # 7

Museum consultant advises entrance lobby was programmed too small.



SOLUTIONS:

1. Directed design team to resolve by “Value Engineering”

“ACTUAL” DESIGN PHASE

CHALLENGE # 8

1. Still over budget after VE
2. University Foundation questions cost impact of University Design Guidelines
3. University Foundation asks 3 local contractors for prices based on DD drawings.....bid process compromised.... so Foundation (instead of UNL) will need to procure construction services and bids will need to include sales tax.



SOLUTIONS:

1. Breathe deeply.....and fasten seatbelts!

“ACTUAL” DESIGN PHASE

CHALLENGE # 10

1. Bait and switch – Construction documents complete – negotiation contractor gives price way over budget.
2. Impass over cost delays project by 3 months.



SOLUTIONS:

1. Bite your tongue and refrain from saying “I told you so.”
2. Increase budget by \$1.7M - and contract finally executed.

CONSTRUCTION PHASE

CHALLENGE # 9

Conflicting information in contract documents resulted in standard concrete being used instead of light weight – beam deflection!

SOLUTION:

Determined by structural engineer and code official that occupancy limit would preclude max. allowable live load ever being exceeded.



CHALLENGE # 10

Terrazzo floors started bubbling due to trapped moisture in concrete deck below

SOLUTION:

Small holes drilled at each bubble to release moisture, and then patched.



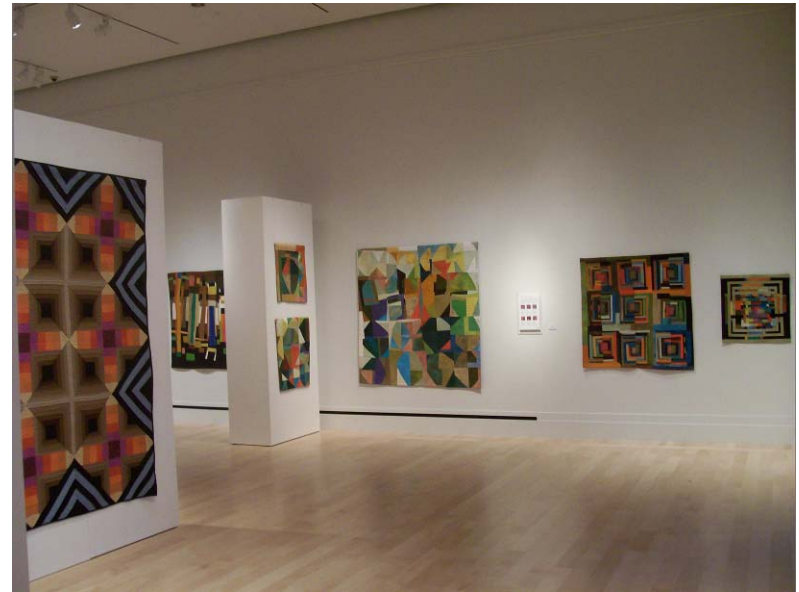
OCCUPANCY PHASE

CHALLENGE

Balancing humidity in galleries and quilt storage areas.

SOLUTION:

Add larger humidity grids in the ductwork to reach the required level of humidity



CHALLENGE

Two steps at Great Hall landing cause falls.

SOLUTION:

- Temporary barricades and warning sign.
- Recess LED light strip in nosing and add handrails.

