



AIA
Lubbock

Provider No.: A197

Making Room: Furniture is not an afterthought

AIA/CES No.: 00000

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Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.

This course is registered with **AIA**



Course Description

Traditionally, furniture has been selected at the very end of the design process and many times did not involve the architect or the end-user. This session, through a deep dive into West Texas A&M University's New College of Agricultural Sciences building, will explore how a collaborative design process can allow for the creation of unique and engaging learning spaces. By addressing the issue of furniture early in the design process, educators should think about not just having the right number of seats but the types of spatial arrangements and the quality of environments that engage all types of learners both in a formal and informal education setting. Attendees will learn the value of considering the design and layout of furniture as part of the early design process, and some of the strategies for optimizing the spatial and educational experience. In addition, quantifying, qualifying, selection, integration, and specifying will be discussed as a modern furniture design methodology.



Learning Objectives

At the end of the this course, participants will be able to:

1. Understand how to layout furniture with universal design and accessibility in mind
2. Understand how to engage the user in creating and utilizing flexible learning spaces
3. How to specifying furniture for general spaces and specialty spaces
4. Provide strategies for planning furniture layouts that work with and help inform the building design



MAKING



FURNITURE IS NOT AN AFTERTHOUGHT

Kirksey
ARCHITECTURE



West Texas A&M
University™

PC PROJECT
CONTROL
A RABA KISTNER CO

WB
WESTERN BUILDERS
LEGACY OF 60 SERVICE



h i j k l m n o p q r s t u v w x y z

Reading words
fairy
jump
look
oil
oil

Read and act
1. A cat can dance
2. A ball can run
3. A boy can skip
4. A fish can sing
5. A Mexican can swim

Push
Pull

1. A cat can dance
2. A ball can run
3. A boy can skip
4. A fish can sing
5. A Mexican can swim

Schedule

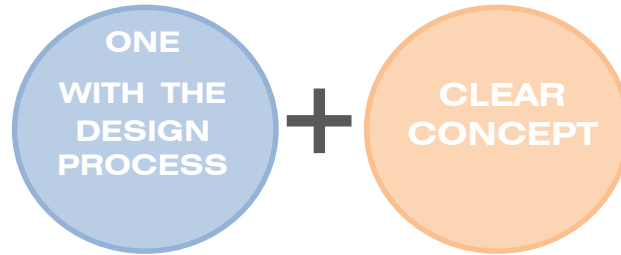
Opening Exercises	9:00-9:10
Reading	9:10-10:30
Recall	10:30-10:45
Arithmetic	10:45-11:30
Lunch	11:30-12:30
Spelling/Writing	12:30-1:00
Social Studies/Science	1:00-1:30
P.E.	1:30-1:50
Health	1:50-2:15
Music	2:15-2:30
Dismissal	2:40

We are finished with the design,
could somebody do the furniture?

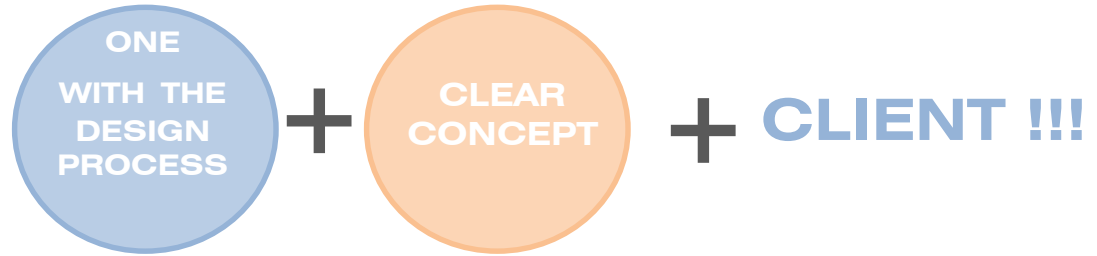


Furniture can not be an
afterthought!

What makes furniture **SUCCESSFUL**?



What makes furniture **SUCCESSFUL**?



What makes furniture **SUCCESSFUL**?

**YOU NEED A
FURNITURE
CHAMPION!**

1 student 

independent work spaces
cut outs
technology stations
single chairs

2 students 
peer to peer

cafe/bistro
love seat
armchair

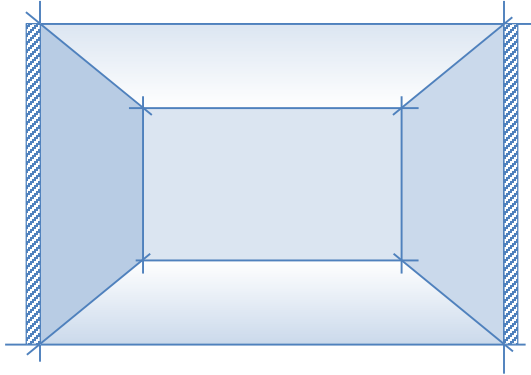
3-4 students 
small group

huddle room
stand up collaboration tables
lounge seating
cafe style

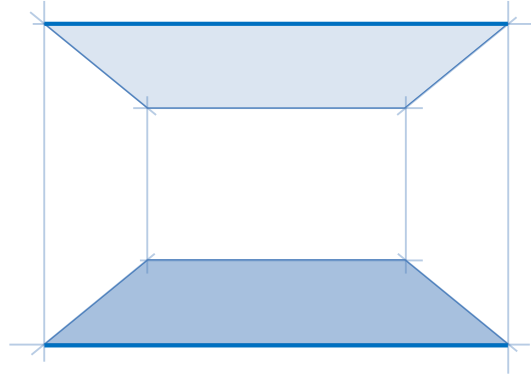
++ students 
large group

lecture space
conference table

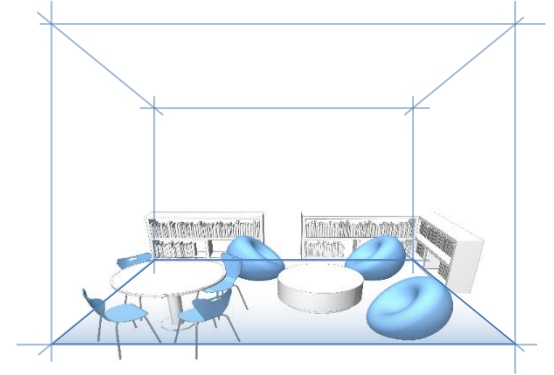
Types of Rooms



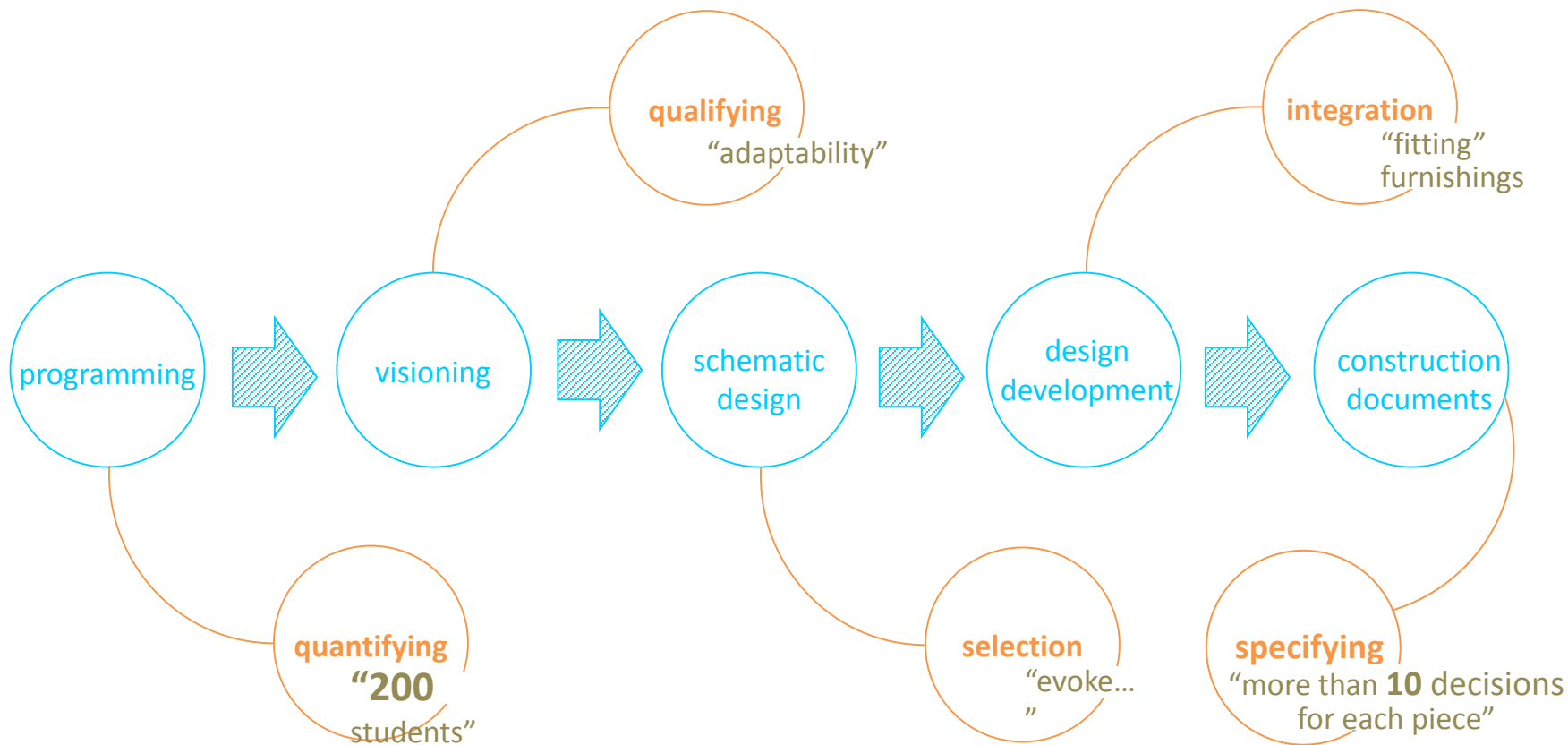
PHYSICAL
TANGIBLE WALLS



PHENOMENAL
THEORETICAL WALLS



RESIDUAL
DEFINED BY FURNITURE



Creating Experiences

Modeling Behaviors

Successful Outcomes



West Texas A&M
University™

A New Agricultural Science Complex

The Program



Academic Building (3 levels) 80,000

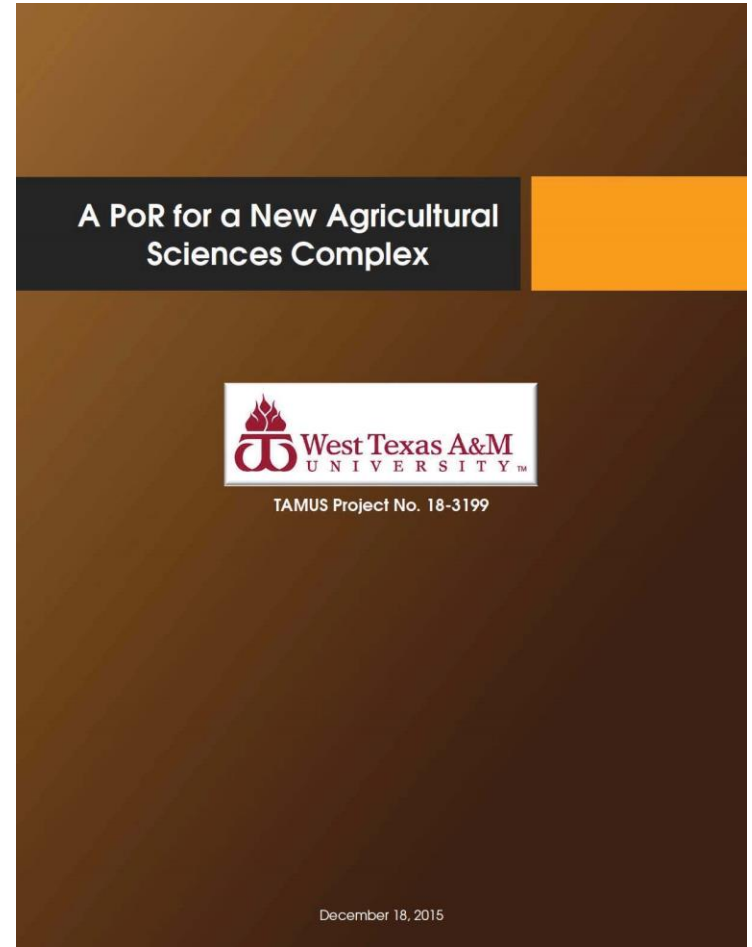
- Meats Lab
- 9 Lecture Spaces
- 2 Teaching Labs
- 6 Research Labs
- Faculty Offices

Multi Purpose Arena 68,000

- 150' x 250' Arena
- Spectator Seating (500)
- Support

Pavilion 10,000

- Bleacher Seating
- Wet Live Animal Lab





Site

The Building's Story = The Furniture's Story

Celebrate & Focus on Students

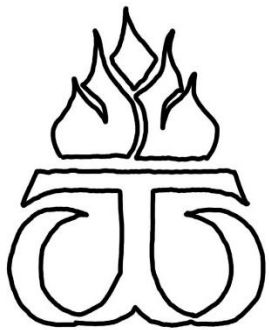


Celebrate Agricultural Sciences



Respect and Celebrate Traditions

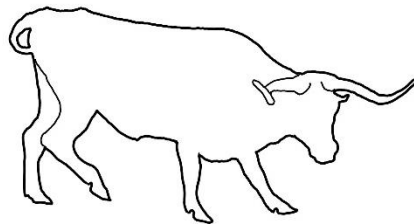




WTAMU



Students

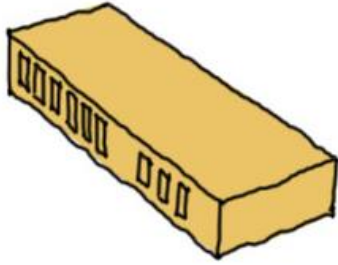


**Agricultural
Sciences**



Traditions

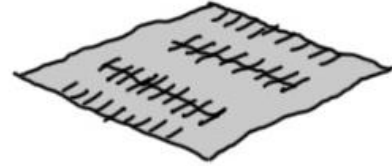




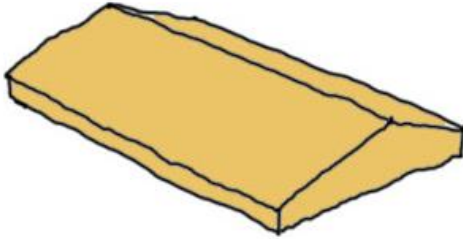
Main Academic Building



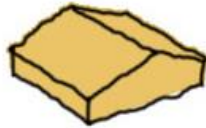
Event Space



Parking



Arena



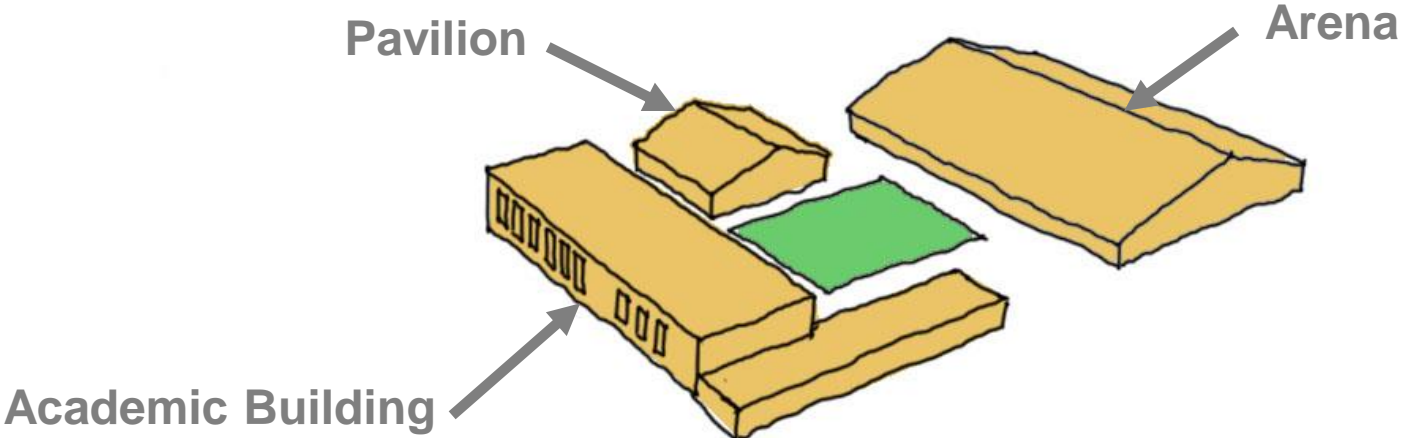
Pavilion

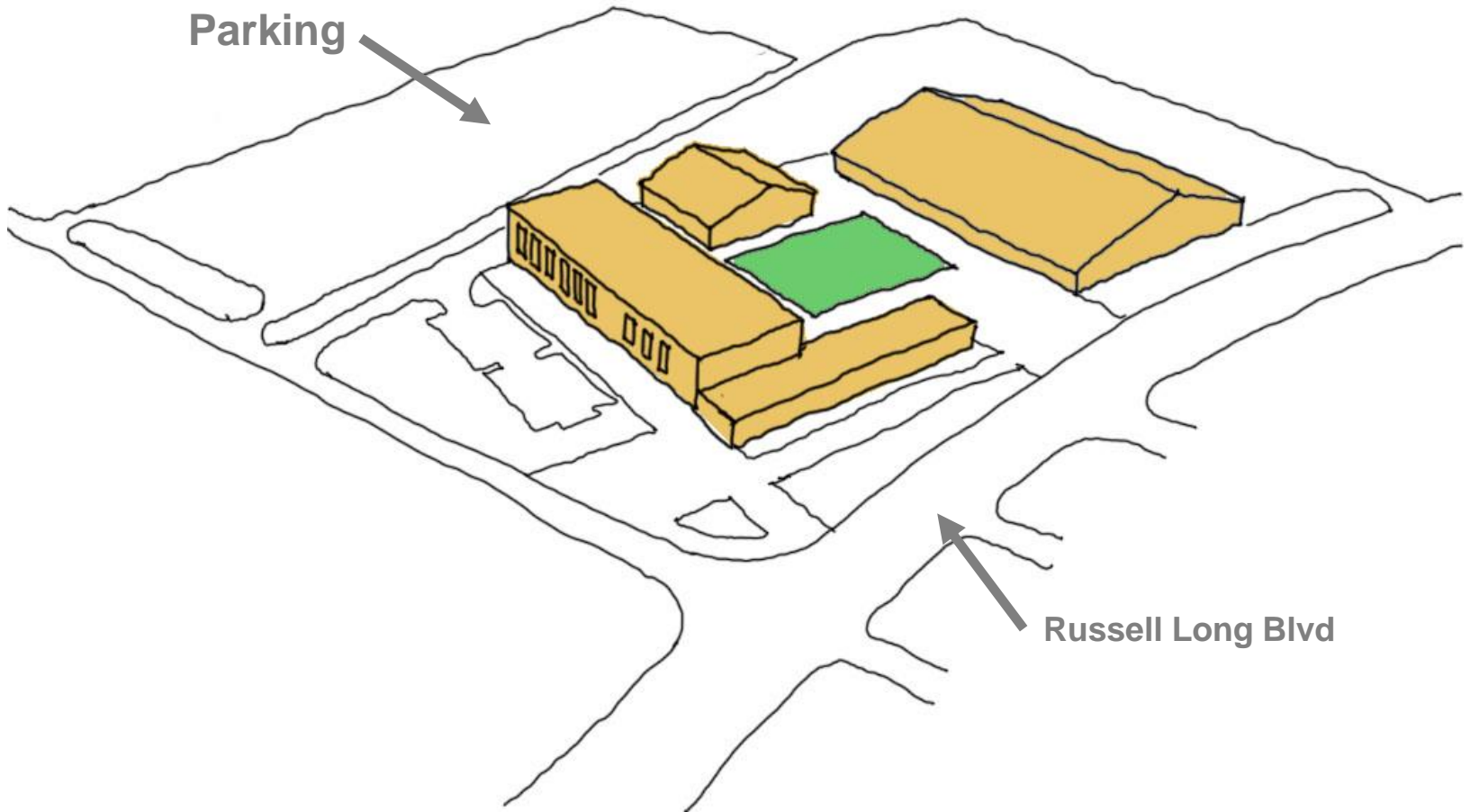


Pens



Event Space



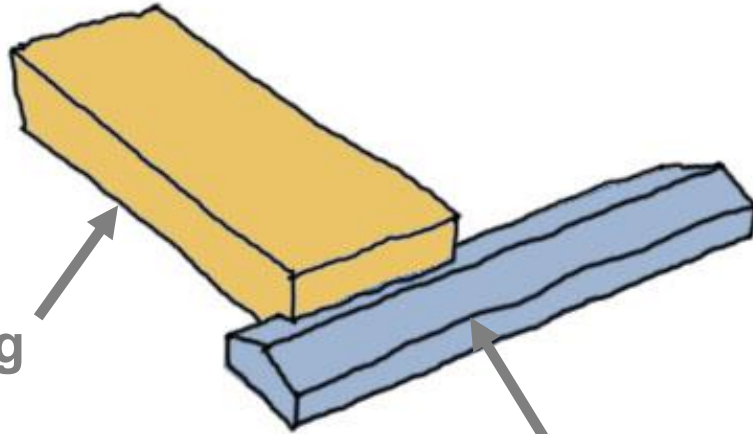


Parking

Russell Long Blvd



Masonry Building



Abstract Glass Barn





Role of furniture in modern education

Foster Collaboration

Provide Inspiration

Engage students and professors

Be Inclusive



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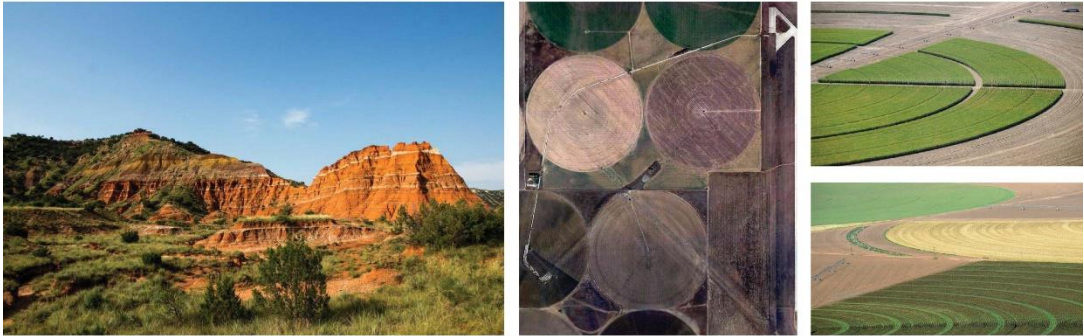


Setting up a successful outcome:
What is the process?

Design – Execution

- Define: Culture, Values, Differentiators, Your Story, Big Ideas, Goals, Trends Set Standards: Input from Staff, Students and Facilities
- Develop Design: Select specific furniture pieces & fabrics, use imagery, consult with AV/IT
- Implementation: Standards, Tours, Presentations, Student Evaluations, Specifications, Bid, Install

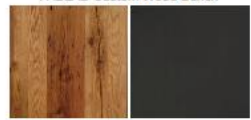
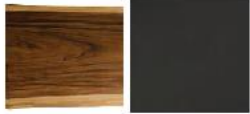
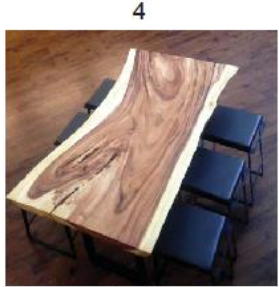
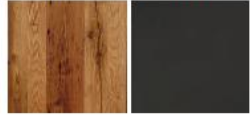
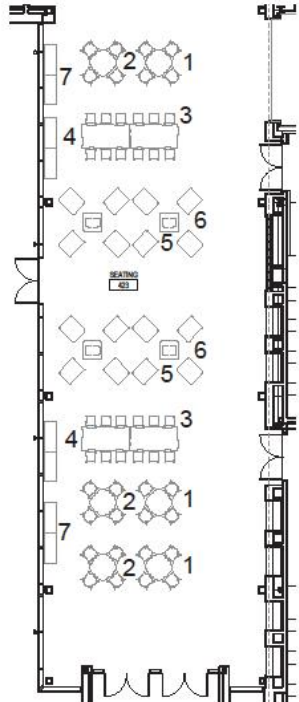
Furniture is a part of the Story



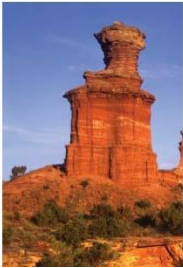
Lobby – Bringing the Outdoors In



Lobby



Second Floor: Student Space



Second Floor: Student Space



The User Process

Classroom Chair Options

Humanscale Cinto Chair

Proposed Locations:

- All classrooms

Special Features:

Proposed chair will be armless

- + —



Comments:

Absolutely not

Maybe a different color

Inverts back

low, not horribly uncomfortable, but not comfortable either

Knoll Multigeneration Chair

Proposed Locations:

- All classrooms

Special Features:

Proposed chair will be armless

+ + + +



Comments:

I don't think so

worst thing I've ever sat in! It made my butt-sad (Oh!)

No comfort, arm rests are nice

Moving beyond just flexible and adaptable

- Durable
- Easy to Maintain
- Powered



- Durable
- Easy to Maintain
- Powered
- Flexible
- Adaptable



Specific vs General
Formal vs Informal
Hard or Soft
Individual or Collaborative





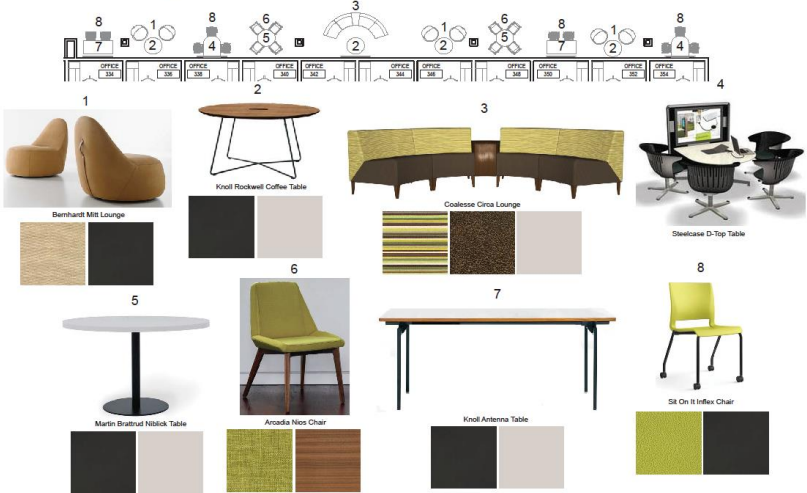
Design Sensibility vs Program Quantity





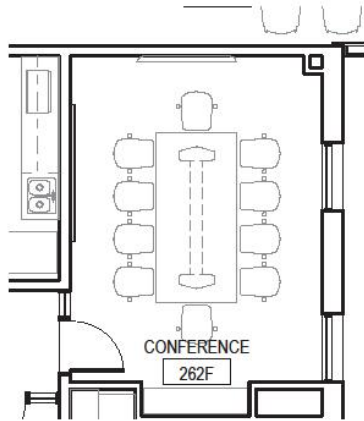
Diversity fosters creativity and innovation

Level 3 Learning Wall





More like a BMW than a Volkswagen



Urban Hardwoods Table



Geiger Clamshell





Starting point

Considerations:

- Amount of worksurface
- Amount of storage
- Types of storage
- Height adjustability
- Computer placement
- Quantity of power/data outlets
- Laminate vs. wood
- Type of guest chair & fabric



End product

Universal Design and Accessibility



Tiered Classroom:
Loose seating for ease of
wheelchair access at first row.



Inclusive atmosphere:
Plenty of circulation space and
seating without arms.

Everyone deserves a seat

Lessons Learned: From the Architect

- Think about furniture day one
- Don't underestimate the time it takes
- Don't be afraid of custom pieces
- Understand the power and data requirements

Lessons Learned: From the Furniture Specialist

- Pictures with actual fabrics and finishes applied tell 100 words.
- Once furniture is selected, place actual pieces in the plan to ensure a fit.
- Coordinate all IT/AV devices and their cabling with the furniture.

Lessons Learned: From the Client

Just remember it all starts with a story



Questions?

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Thank You

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This concludes The American Institute of Architects Continuing
Education Systems Course

Please take a moment to complete the evaluation form.



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