



RE-ENGINEERING EXISTING SPACES TO MEET THE PARADIGM SHIFT IN TEACHING AND LEARNING

ELSA V. PENA UNIVERSITY ARCHITECT

Paradigm Shift



TEACHING TO LEARNING

- Teacher controlled
- Lecturing- Unilateral
- Transfer of Knowledge
- Static and Linear
- Student centered
- Interactive- Doing
- Discovering Solving
- Dynamic- Group Centered

**SOCRATIC and
SEMI DICTATORIAL**

**EXPERIENTIAL AND
KINESTHETIC**

The Challenges

- Evolving Pedagogy and changes in teaching and learning styles
- Qualitative expectations of entering cohorts: tech savy and media connected
- Low RPG percentages
- Low utilization of classroom space : 32%
- Optimal use of scarce financial resources and existing tired but sound classroom inventory.
- State economy and process for new facilities funding.

Colaborations and Connections

Forcing and implementing changes through the re-engineering of existing facilities with minimum capital outlay

- **FACILITIES AND PLANNING**
AVP and University Architect
- **INFORMATION TECHNOLOGY**
Chief Information Technology Officer
- **LEARNING RESOURCES**
Distance and e-learning
- **ACADEMIC Provost**
AVP , Assistant Deans and Faculty Group

Back to Basics



- Look at space Quality rather than Quantity
- Develop Spaces that work for
 - Teaching THRU Learning Modes
- Change and impact culture by
 - Pushing demand for Space and
- Eliminate scheduling silos

Redefining the space and the mission

- “Teaching is purposeful restructuring of experiences from which students cannot escape without learning” . Dr. John Cowan- Open University

Promoting and facilitating

- Colaborative Learning
- Learning as Interaction:
 1. with information
 2. With others
 3. Team Based
 4. constructivist
 5. motivational
 6. Experiential

Learning_(teaching) Space Prototypes

1. The flexible classroom

CHALLENGING THE TRADITIONAL ARRANGEMENT AND FURNITURE

Replacing tablet arm chairs with movable stackable conference style furniture

Allows Lecturing and Group working

2. The PBL (Problem Based Learning) Classroom

TECHNOLOGY HEAVY ADVANCED TEACHING THRU LEARNING SPACE

Allows Group Working and lecturing

Moving towards the UWG IDEAL CLASSROOM

UWG IDEAL “Classroom”

Fostering

and

Allowing

Interactive

Innovation

Dynamic

Discovery

Engaged/experiential

Excellence pursuit

Advanced

Adaptability and Flexibility

Learning Space

Learning and Teaching

Investigate- Experiment

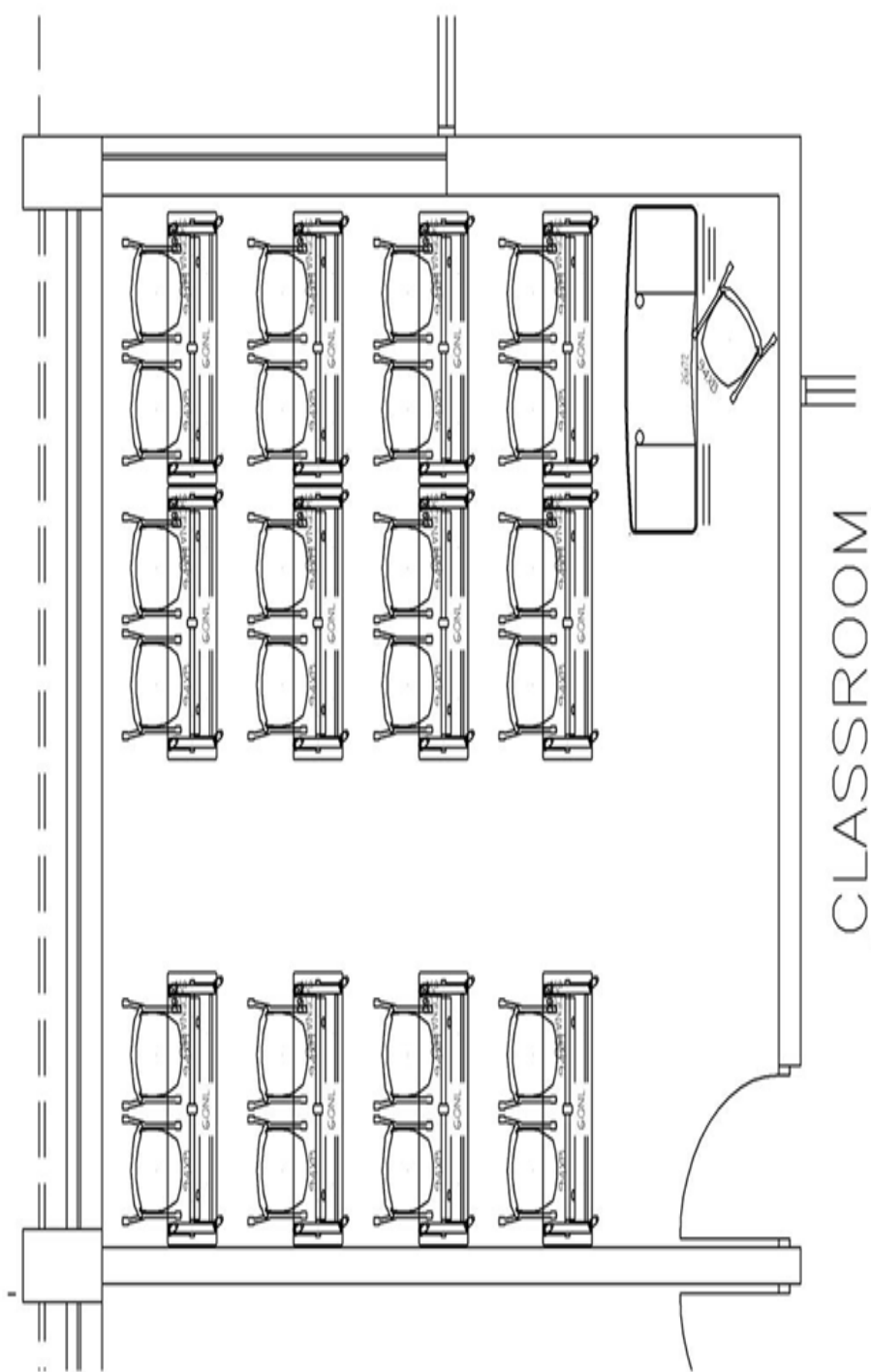
- Less traditional Furniture
- Movable
- Light weight
- Easy to store (stackable)
- Versatil(different arrangements)
- Handicap accessible
- Avoid Custom Design
- Comfortable –ergonomic
- Sturdy- long lasting





The smart Lectern





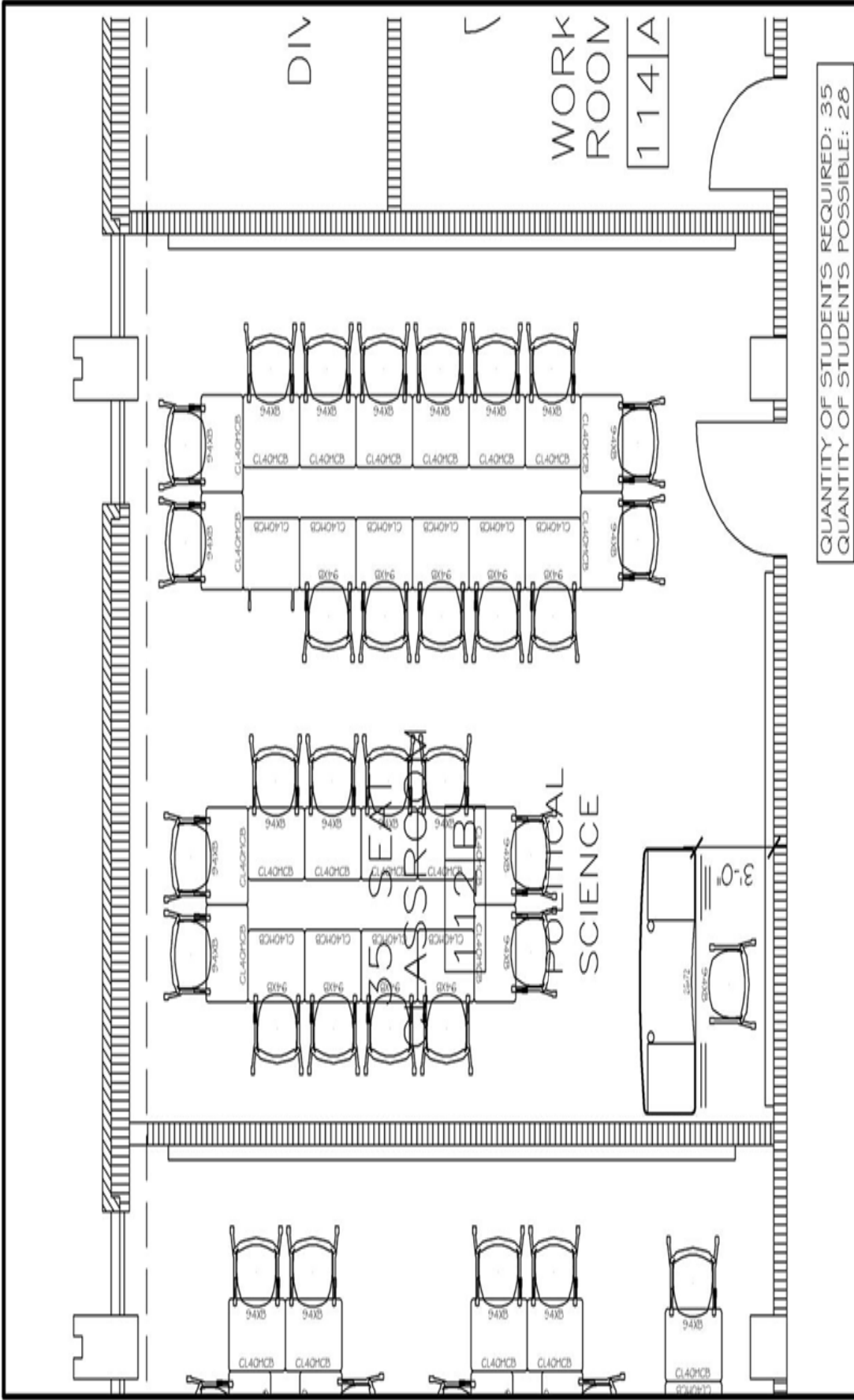
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 QUANTITY OF STUDENTS POSSIBLE: 24

UNIVERSITY OF WEST GEORGIA
 HUMANITIES - ROOM 130
 OPTION 1
 KIMBALL - SCENARIO



DATE: 05-27-10
 REV: X
 SCALE: 1/4" = 1'-0"

PROPOSAL #: X
 DRAWN BY: CS



UNIVERSITY OF WEST GEORGIA PAFFORD - ROOM 112 OPTION 6 HON - ACCOMPLISH

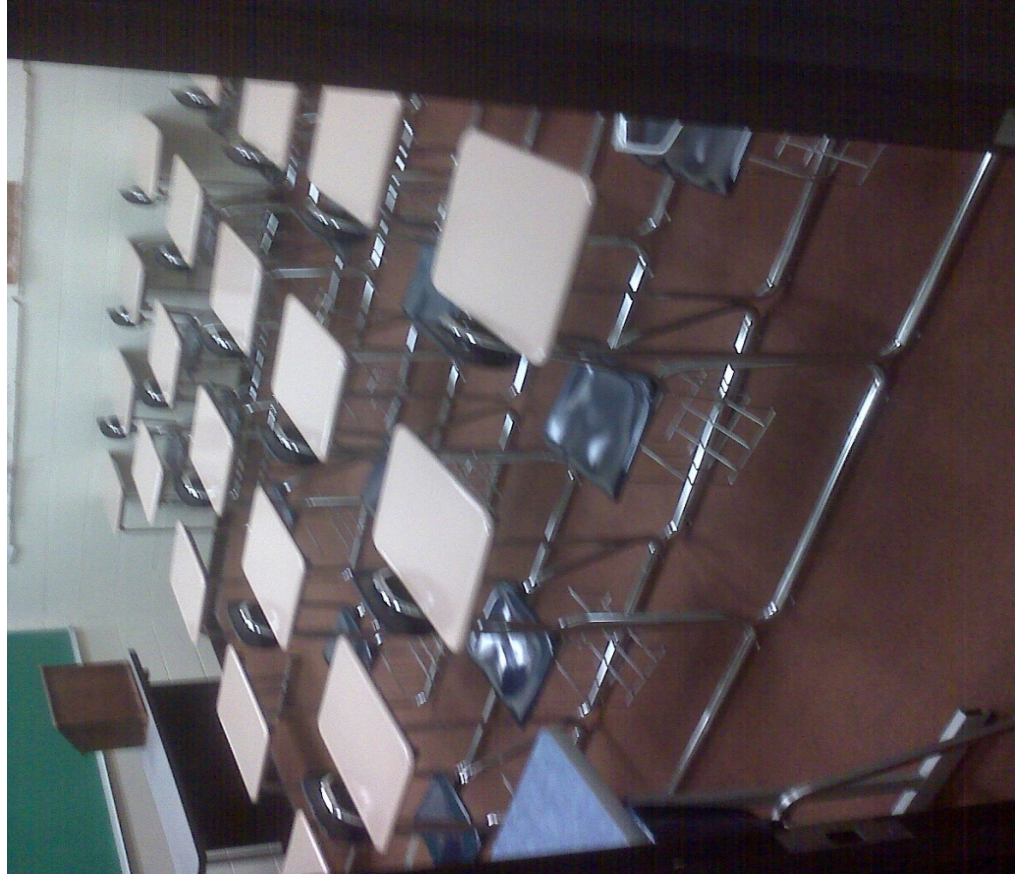


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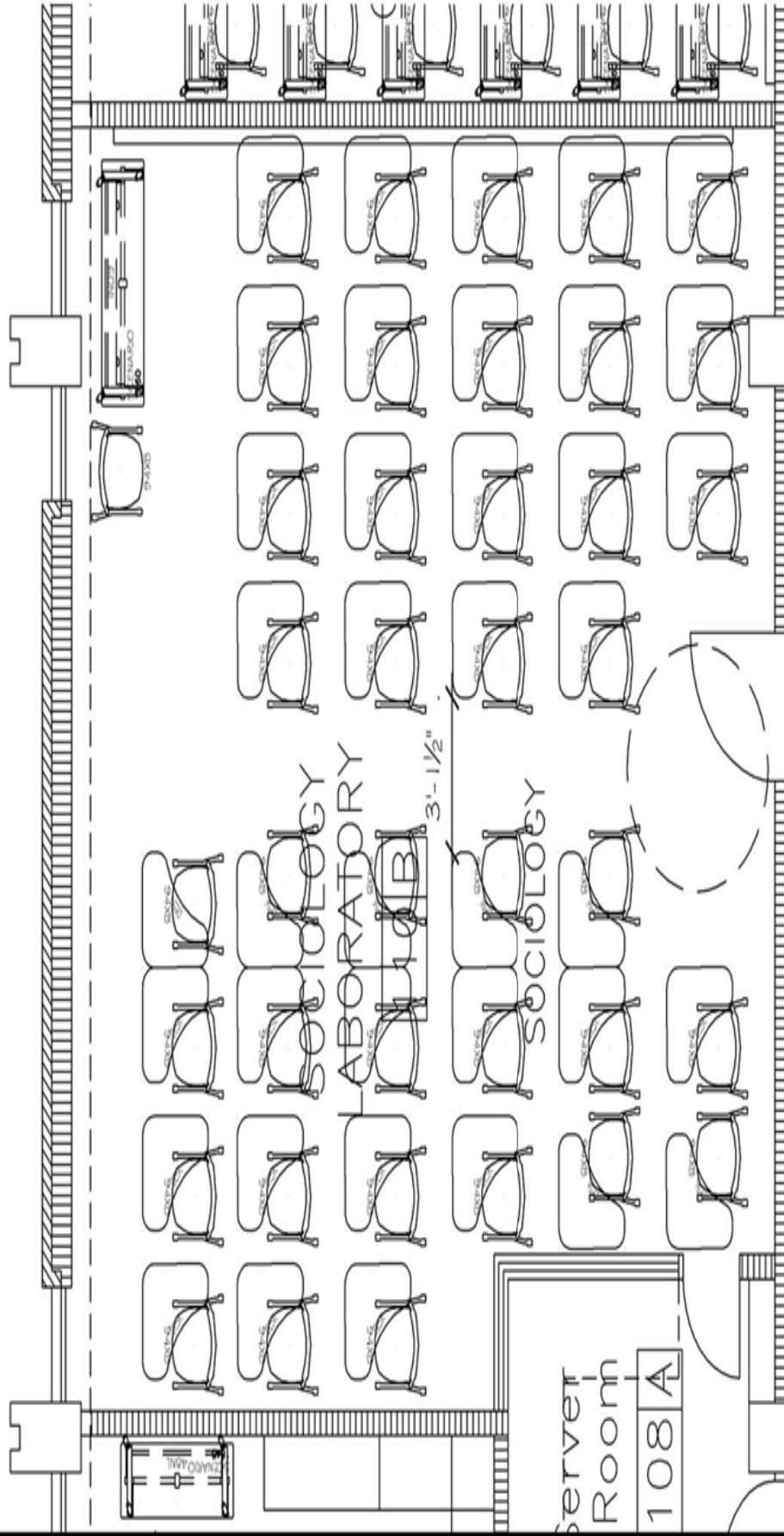
AFTER



BEFORE







QUANTITY OF STUDENTS REQUIRED: 41
QUANTITY OF STUDENTS POSSIBLE: 39

NORTH CORRIDOR

1 0 1 1 1 1

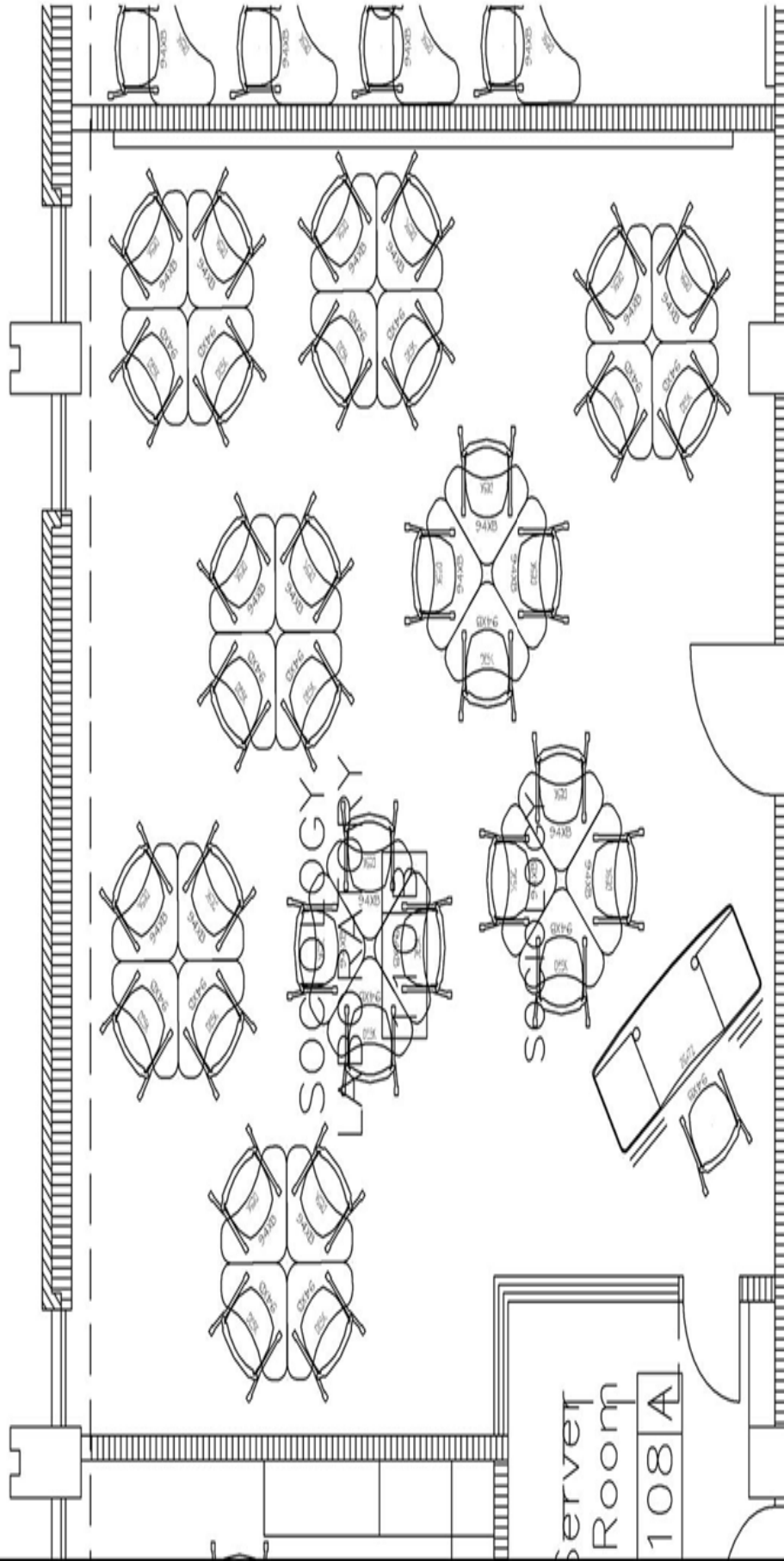
UNIVERSITY OF WEST GEORGIA
PAFFORD - ROOM 110
OPTION 7
HON - HUDDLE

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REV.: 06-03-10
SCALE: 1/4" = 1'-0"

PROPOSAL #:
DRAWN BY: RACB
X



1000 W. 10th Street
Lawrence, KS 66044
781.403.1000



QUANTITY OF STUDENTS REQUIRED: 41
QUANTITY OF STUDENTS POSSIBLE: 36

NORTH CORRIDOR

101111

UNIVERSITY OF WEST GEORGIA
PAFFORD - ROOM 110
OPTION 3
HON - SMARTLINK

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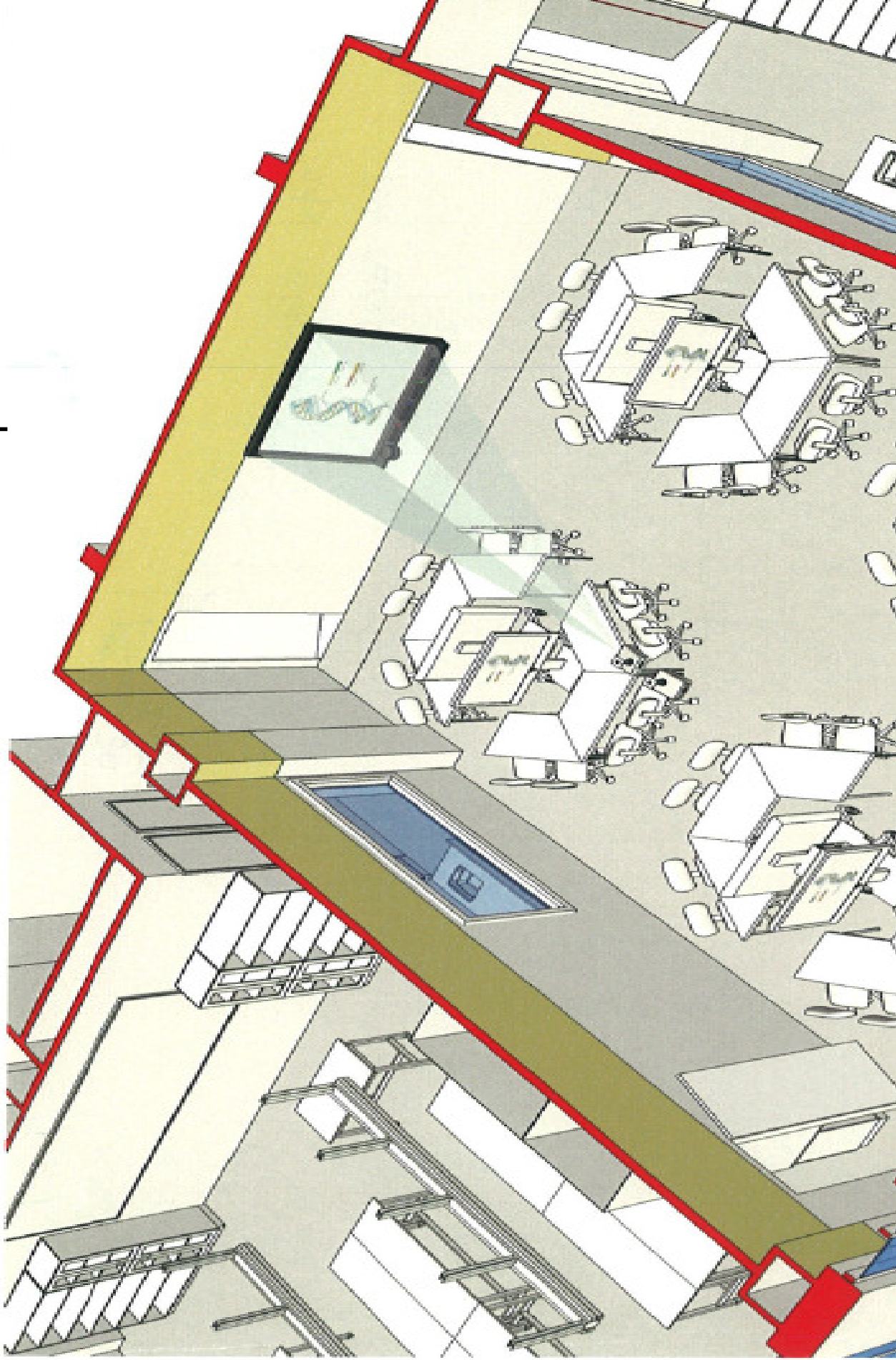
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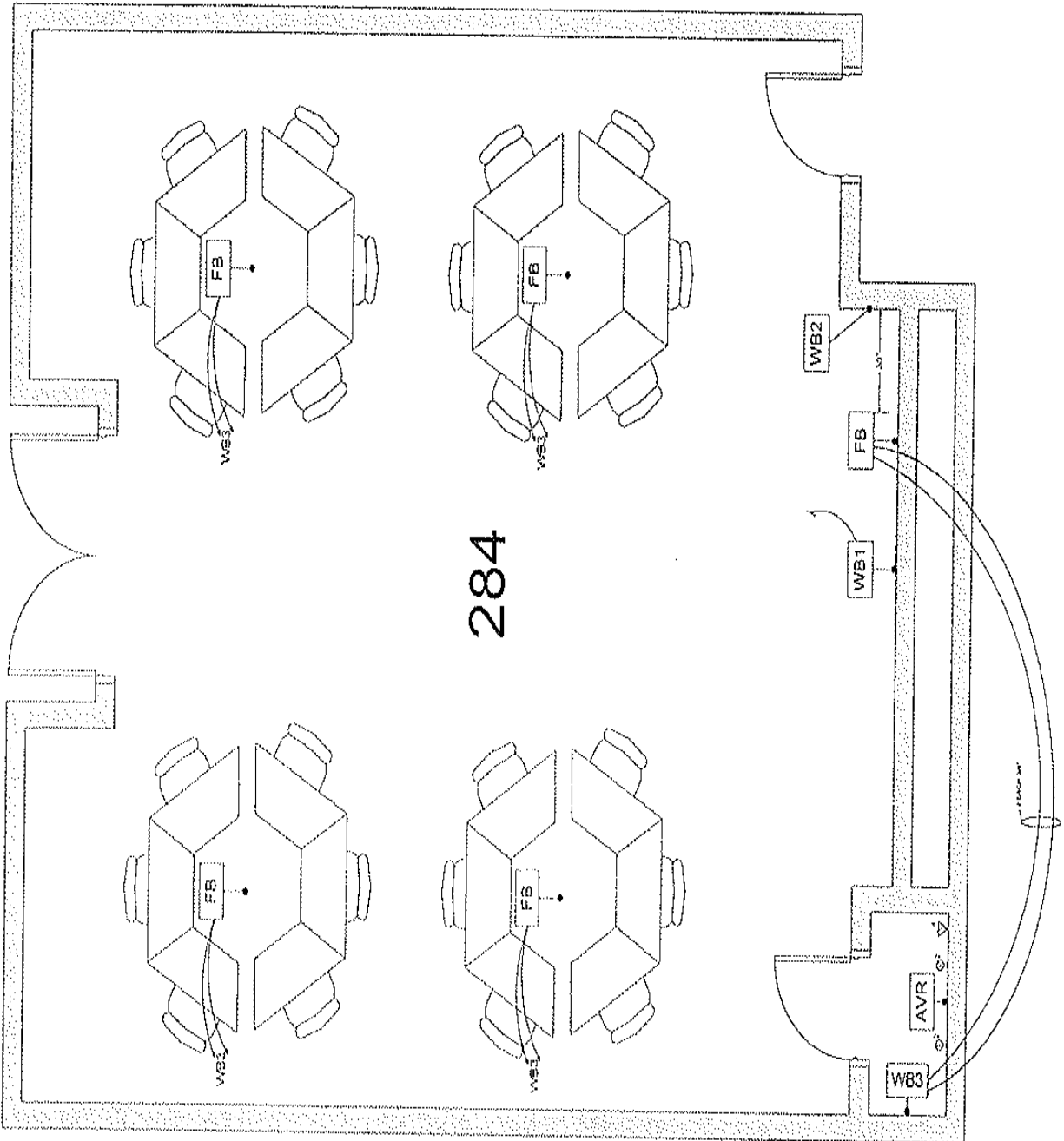






THE PBL concept





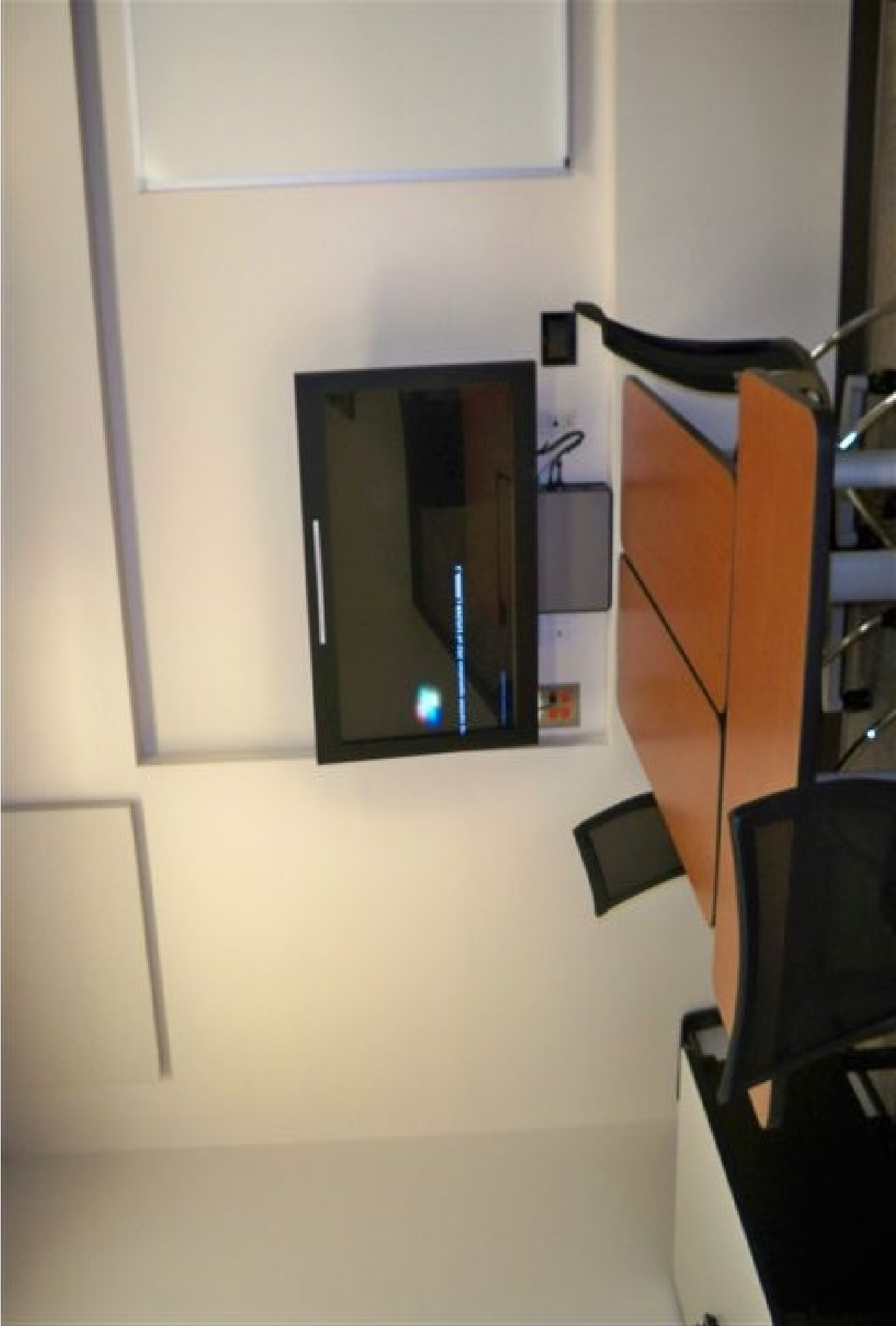
Nursing PBL





Humanities PBL







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And the cost is.....



12 Flexible Classrooms 360 seats

1. **Space improvements \$120,000.0**

Paint, carpet, noise and light control, marker boards

2. **Furniture and Av connection \$120,000.0**

\$ 240,000---\$ 667 per seat

2 PBL Classrooms 68 seats

IT/AV Wiring, equipment, computers, software license, Space improvements and furniture (\$50,000.0 for software lic,maint.training)

\$ 600,000.0 \$ 8.825.0 per seat

Lessons Learned



- Flexible spaces challenge traditional space standards 19 to 20 SFT/seat must be allowed. Class CAPS must be changed.
- Champions to push, energize and keep the momentum going are a must.
- In addition to Facilities improvements funding, Time and Funds must be allocated for Faculty development AND the creation/rework of New curriculum or spaces will not be utilized to full potential.
- Improved space utilization results but a way must be found to capture the data. (more technology)
- Master planning to develop the IT infrastructure needed is a must



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