



A Proposal for the Repurposing of Penfield Hall

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Matt Baker: Logistics Lead
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Brittany Vorreiter: Editorial Lead

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Introduction: The Team

- ▶ BQVC dedicated to efficient and enriching designs
- ▶ Project Manager: Chris Crook
 - Project Manager for Freshman Design Competition Team
 - Project Manager for Proposal for an Activity Center
- ▶ Budget Lead: Thomas Quigley
 - Minor in Business
 - Accounting course

Introduction: The Team

- ▶ Logistics Lead: Matt Baker
 - AutoCAD experience
 - Mechanical Engineer degree
 - Experience with renovation of manufacturing plant
- ▶ Editorial Lead: Brittany Vorreiter
 - Programming Chair for leadership conference
 - Economics and Psychology research
 - Reading and writing courses

Executive Summary

Problem: Sociology Lacks Space

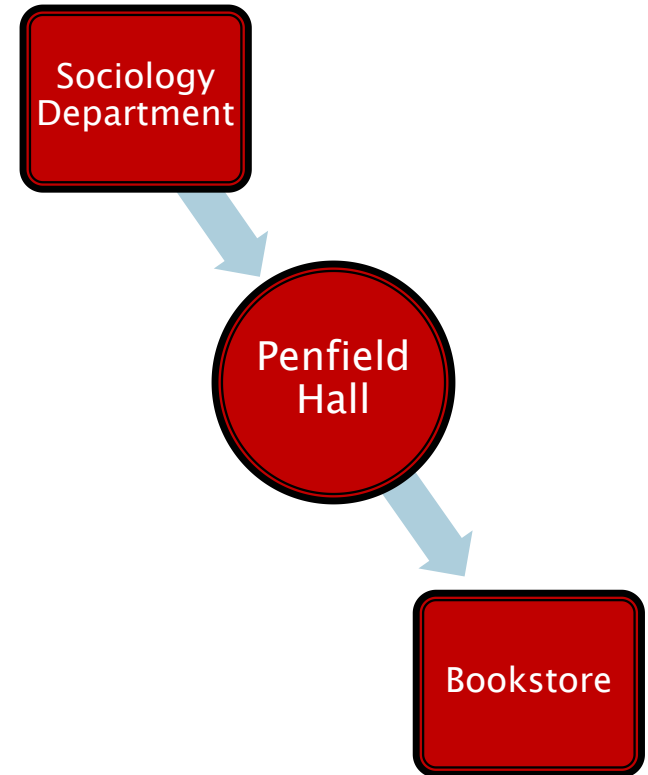
Solution: Move Sociology into Penfield Hall

Penfield Hall will be remodeled:

- ▶ 4 Classrooms
- ▶ 4 Professor Offices
- ▶ Computer Lab
- ▶ Archeology Lab
- ▶ Administrative Assistant Office
- ▶ Student Worker/Lobby Desk.
- ▶ Artifact Display Lobby

Total Cost: \$65,000

Total Time: 2 Months



Introduction: The Problem

- ▶ Sociology Department
 - Successful graduates
 - African artifacts worth \$70,000
 - Conjoined Criminal Justice and Anthropology
- ▶ Problem
 - Overcrowded
 - Share classroom and office space with Political Science, History department
 - Not efficient
 - Disorganized
 - Dispersed

Introduction: Needs

- ▶ Mercer needs:
 - Organized front
- ▶ Sociology department needs:
 - Central location
 - Climate control for artifacts
 - Classrooms
 - Offices

Introduction: Proposal

- ▶ Move Sociology to current Penfield Bookstore
 - Showcase artifacts
 - Four offices
 - Four up-to-date classrooms
 - Archeology lab
- ▶ Benefits
 - Increase communication
 - Preserve collection (museum)
 - United Mercer atmosphere

Introduction: Proposal

- ▶ Project rationale
- ▶ Technical details
- ▶ Itinerary of the operations
- ▶ Further recommendations

Project Rationale: Merit Table

Merit Table on a Scale of 1–10

Merit Criteria	Sociology Department	History Department	Political Science Department
Need for New Facilities	9	3	5
Amount of Decentralization	8	0	5
Impact on Mercer's Overall Image	10	3	5
TOTAL	27	6	15

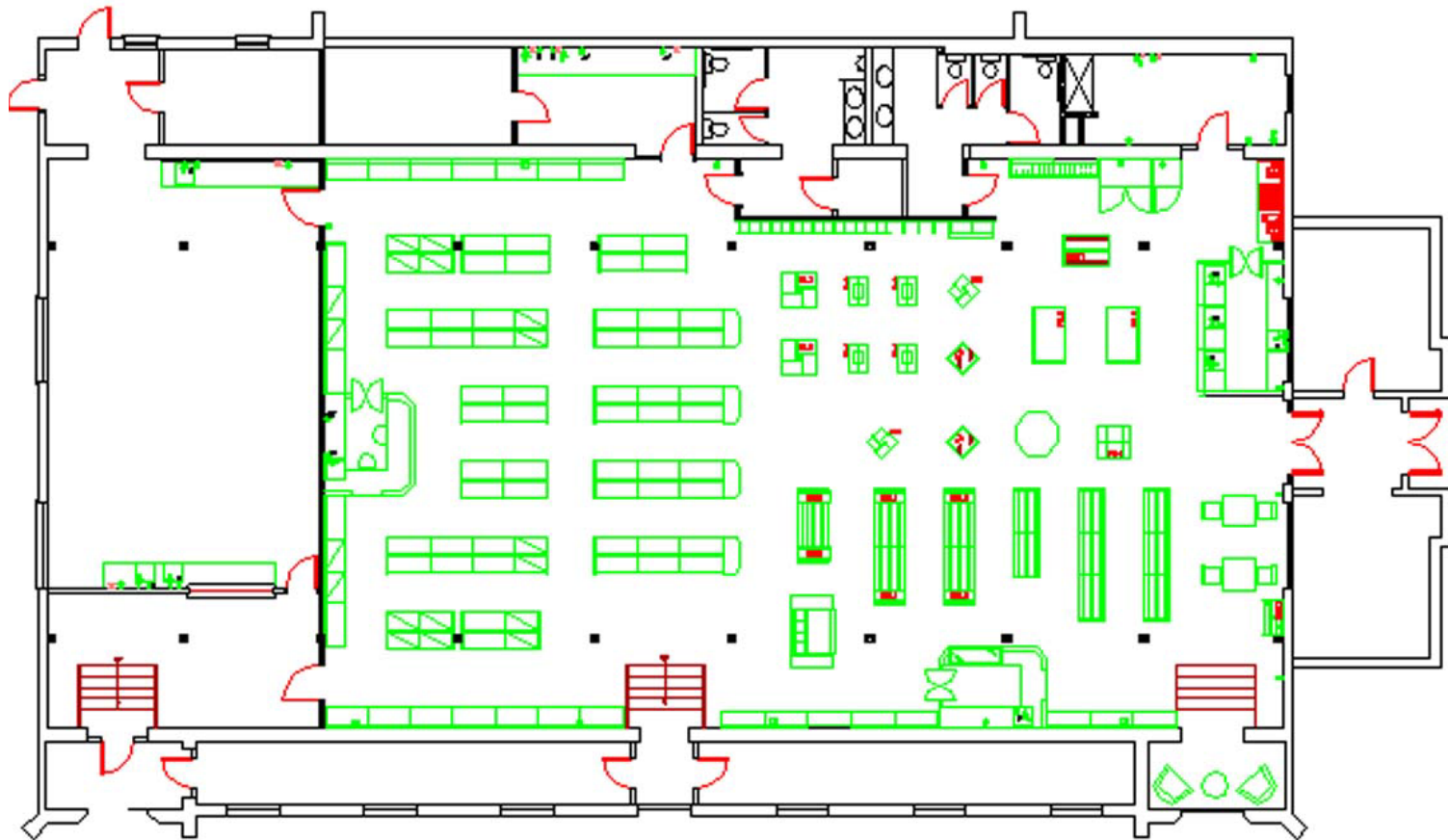
Technical Approach

- ▶ Purpose of this part of the presentation:
 - Provide a feasible solution to the problem
 - Discuss plans and work descriptions needed for implementation
 - Discuss the resources needed
- ▶ The Sociology Department needs a new facility
 - Central location on campus
 - Adequate office, classroom, and lab space
 - Contained facility

Technical Approach: Site Location

- ▶ The Bookstore located in Penfield Hall will be moving to the Mercer Lofts in December 2010
- ▶ Located behind the Connell Student Center
 - Central campus location
 - Close to College of Liberal Arts
- ▶ Facility is approximately 9,000 sq ft
 - Four existing office spaces and restrooms
 - Large enough to accommodate the Sociology Department
- ▶ We propose to relocate the Sociology Department in Penfield Hall

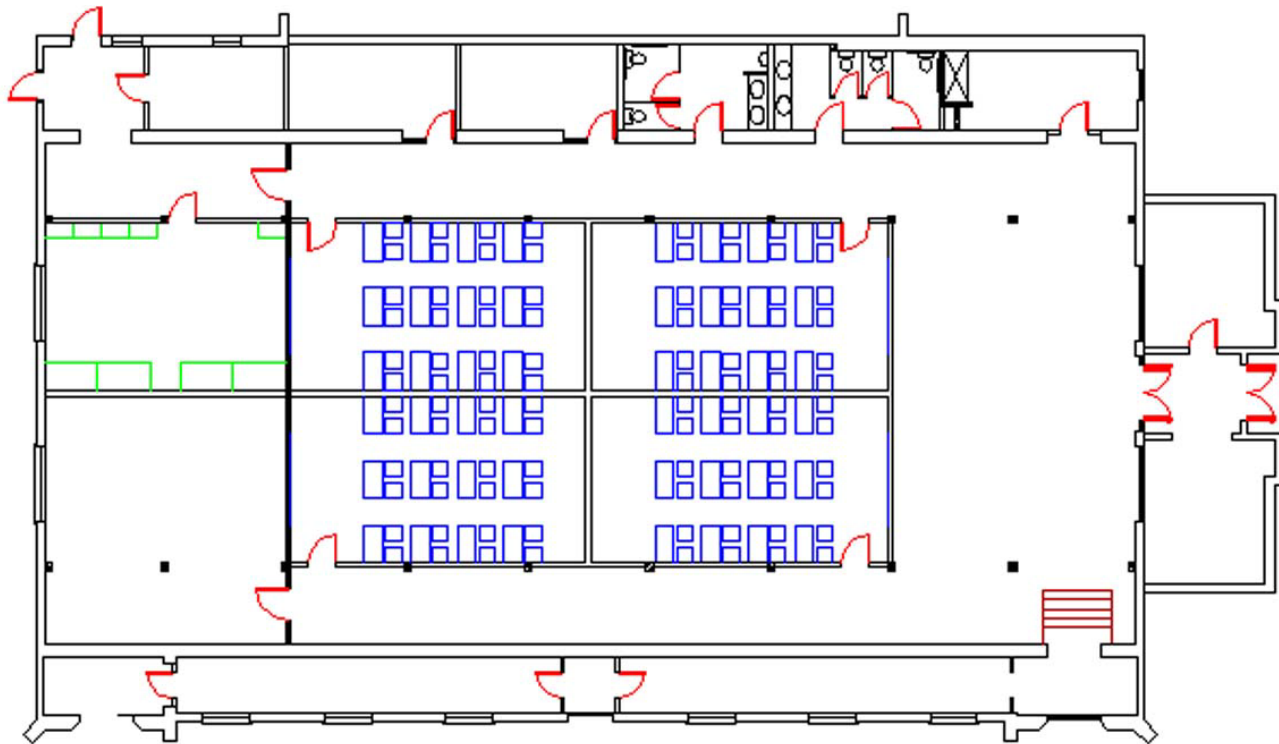
Penfield Hall Existing Site



Technical Approach: Renovation

- ▶ Provide four 600 sq ft classrooms
 - Each will seat 24 students
- ▶ Lab Space
 - Computer lab
 - Archaeology lab
- ▶ Office Space
 - Faculty
 - Secretary
 - Student Workers
- ▶ Display Sociology Department's store of artifacts

Penfield Hall Renovation



Technical Approach: Purchases

- ▶ New facility will be stocked with durable and cost efficient equipment
- ▶ Utility Tables
 - Each classroom will be equipped with 12 tables
 - Seat 2 students each
 - Steel frame and high pressure laminate top



Technical Approach: Purchases

- ▶ Science Storage cabinet
 - Made of solid wood with chemical resistant finish
 - Archaeology lab will be equipped with 6



- ▶ Fabric Stacking Chairs
 - Provide cost efficient way to seat all students
 - Durable steel frame and backs



Technical Approach: Purchases

▶ Lab tables

- Equipped with running water and gas valves
- Solid epoxy top
- Archaeology lab will be equipped with 4



▶ Whiteboards

- Assist professors in teaching class
- Large enough for all students to see
- Each classroom will have one



Technical Approach: Labor

- ▶ BQVC has the capability of contracting out most of the necessary work
 - Keep cost at minimum
 - Maintain quality
- ▶ Mercer's IT Department will be used for computers and networking
- ▶ Brickman Co. will be used to repair any grounds damage

Solution Feasibility and Merit

- ▶ Proposed plan will provide a realistic solution to the Sociology Department's problem
- ▶ Provide facilities which Mercer does not currently have
 - Museum
 - Up-to-date archaeology lab
- ▶ Will enrich Mercer's academic environment

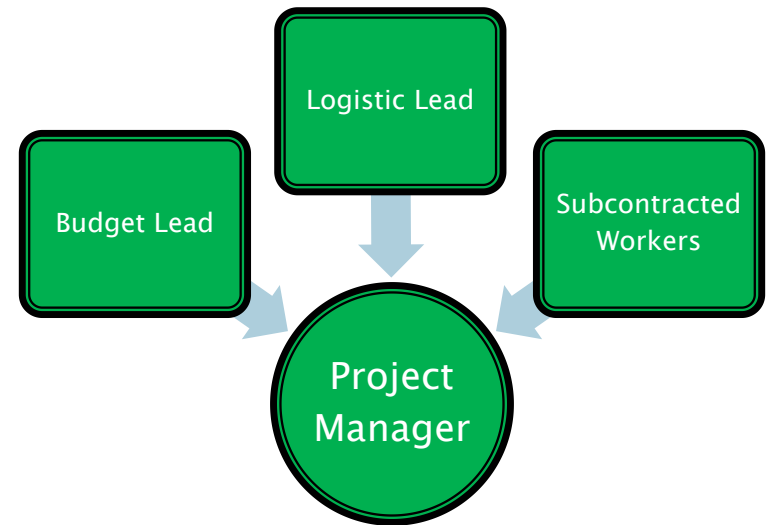
Success Criteria

- ▶ Feedback will be collected to judge the success of the project after its completion
 - Survey of the Sociology Department students and faculty
 - Statistical analysis of grades in Sociology Department
 - Statistical analysis of enrollment to the Sociology Department

Operations Plan: Management

- BQVC will organize the implementation of the proposed project.

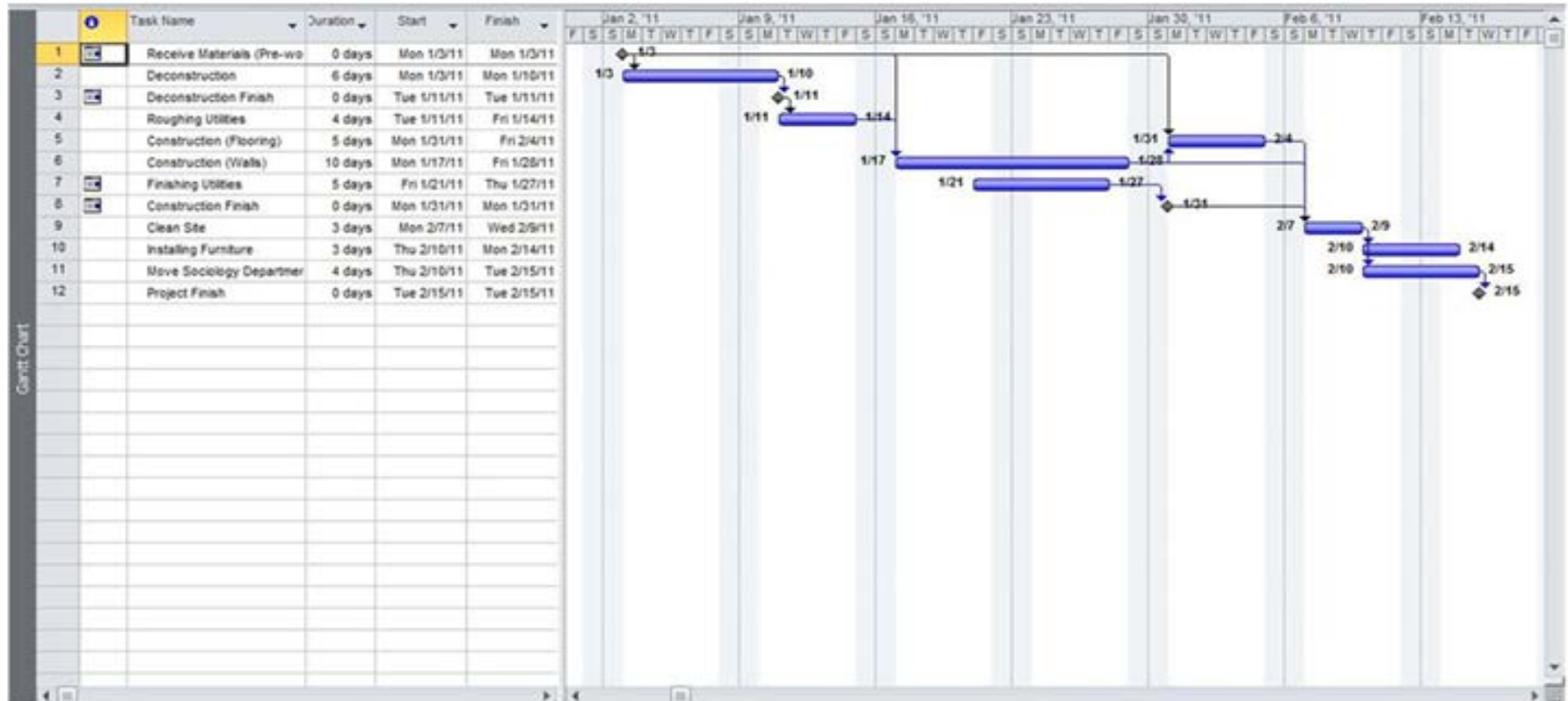
- Subcontracted Work
- Interaction with Mercer representatives
- Relocation of artifacts
- Quality Control
- Success Criteria



Operations Plan: Implementation

- ▶ The operations plan will consist of the following phases:
 - Deconstruction
 - Construction
 - Site Cleaning
 - Relocation of Sociology Department

Operations Plan: Implementation

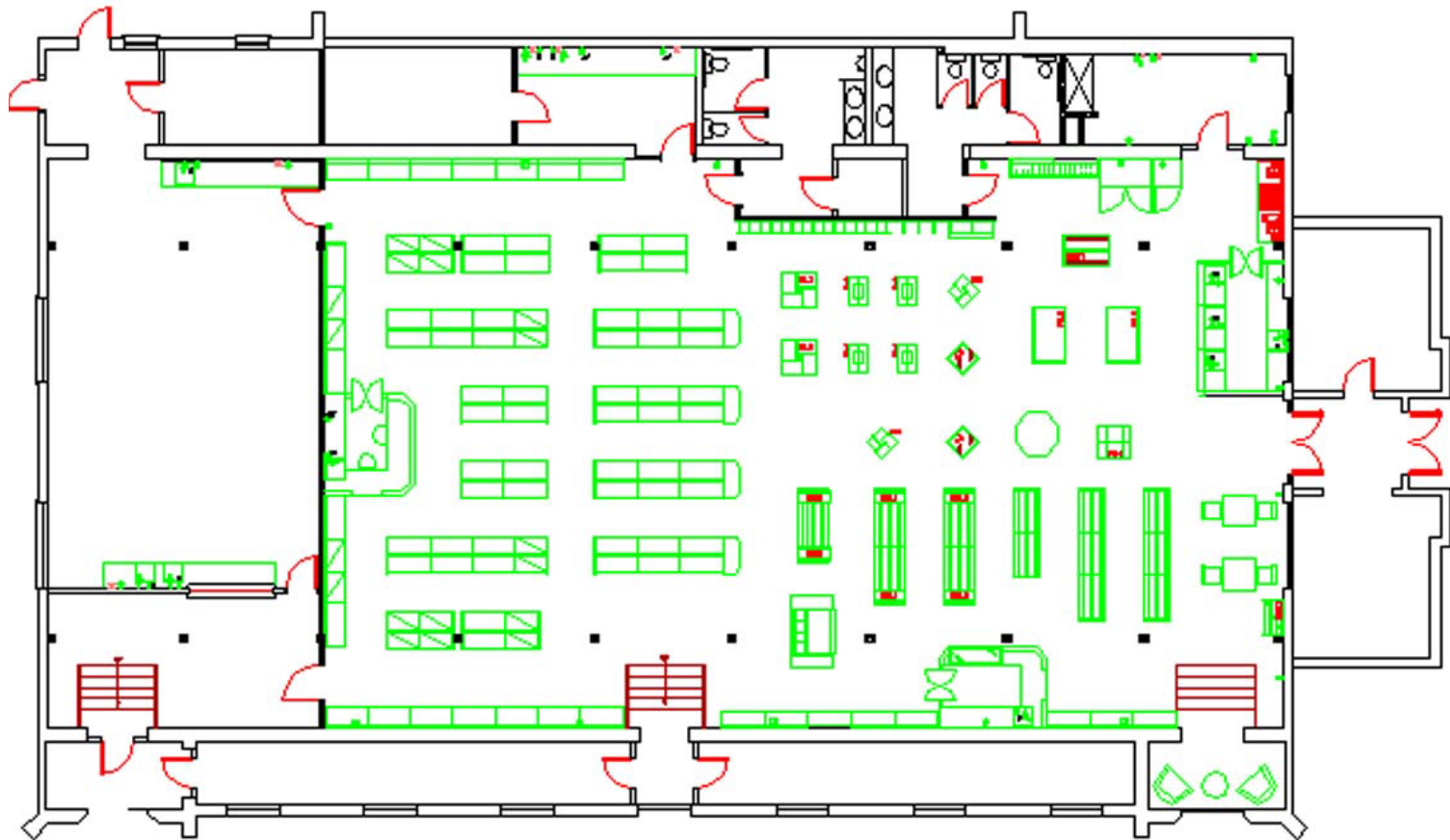


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PROPOSED CONSTRUCTION TIMELINE

Operations Plan: Deconstruction

- ▶ Concrete staircases
- ▶ Various walls
- ▶ Any remaining shelving from the bookstore
- ▶ Any counters or cabinets currently located in the building

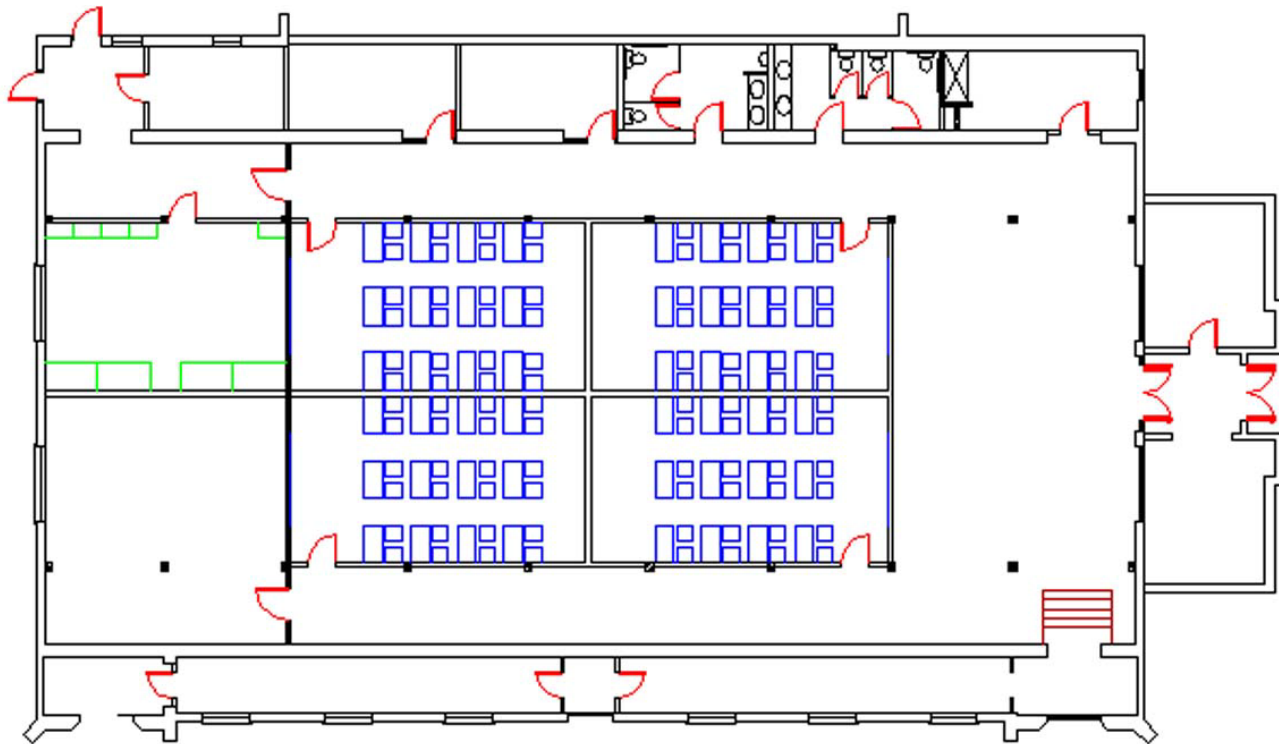
Operations Plan: Deconstruction



Operations Plan: Construction

- ▶ Classroom walls and ceiling
- ▶ Walls in back room to create two large rooms
- ▶ Installation of archaeology lab equipment
- ▶ Putting doors on all the offices

Operations Plan: Construction



Operations Plan: Site Cleaning

- ▶ Any messes made by subcontractors will be cleaned at their expense as they finish their work
- ▶ A final cleaning of the building will be performed before relocating the Sociology Department
- ▶ This cleaning will be performed by Mercer's current cleaning services

Operations Plan: Relocation

- ▶ Office furniture and personal items will be moved by members of BQVC and the Sociology Department
- ▶ Our largest concern is relocating the artifacts
 - We will be acquiring the help of qualified individuals in relocating these valuable artifacts
 - The artifacts will be placed in areas that may be viewed by both students and visitors

Operations Plan: Relocation

- ▶ Computer lab furniture and equipment will be relocated to the new lab at the back of the building
 - Mercer IT will set up the new networks and ensure that all the computer lab equipment is functioning properly

Budget Analysis

- ▶ The total estimated cost for this project is \$64,722.78
 - This includes a 10% overhead cost, as well as cost of materials
 - Costs for HVAC, construction and floor work were based on researched estimates for this type of renovation

Budget Analysis: Table

	Worthington Direct			
<u>Item #</u>	<u>Item Description</u>	<u>Quantity</u>	<u>Cost Per Unit</u>	<u>Total Cost for Item</u>
31155	(48" x 24") Utility Table	48	\$117.95	\$5,661.60
38089	(36" x 22" x 84") Science Storage Cabinet	6	\$879.95	\$5,279.70
38084	(66" x 30" x 36") Lab Tables (w/ water)	4	\$2,159.95	\$8,639.80
97013	2" Fabric Stacking Chairs	96	\$40.95	\$3,931.20
20092	(4' x 10') Whiteboards	7	\$339.95	\$2,379.65
	Home Depot			
419109	(4' x 8' x 5/8") Fire-Shield Drywall	200	\$7.48	\$1,496.00
176929	(2" x 4" x 8') Wood	250	\$3.97	\$992.50
367076	25 lb Bucket of 2" Drywall Screws (approx 5000)	2	\$49.74	\$99.48
137632	25 lb Bucket of 3" Lumber Screws (approx	4	\$89.74	\$358.96
	Estimated Work Costs			
	Construction			\$5,000.00
	HVAC			\$10,000.00
	Flooring			\$15,000.00
	Overhead Estimate Cost			\$5,883.89
	TOTAL COST			\$64,722.78

Budget Analysis: Justification

- ▶ New classrooms require new furniture
 - We have chosen items due to their low cost and high quality. We believe these choices will be the best use of Mercer's money
 - We have listed 7 white boards in the budget
 - One in each classroom
 - One in both the computer and archaeology lab
 - One in the lobby

Budget Analysis: Justification

▶ Cost of Materials

- We included the cost of materials for constructing all the new walls we've proposed
- Flooring and HVAC costs are based on previous work of this type

▶ Overhead Estimate

- We've included the 10% overhead to accommodate any issues that could arise during implementation

Quality Control

- ▶ BQVC will make regular visits to the work site to ensure that work is being completed to the highest standards
 - Reports will be obtained weekly from subcontractors
 - Mercer representatives will be informed regularly
 - They will also be brought to the site at the end of each milestone to see progress and voice any concerns

Conclusion

- ▶ Sociology has the greatest need on campus
- ▶ Due to decaying artifacts, we need to act now
- ▶ Will give Mercer a more organized appearance
- ▶ May benefit students to have centrally located classroom space
- ▶ This building meets all the needs they have
 - Classroom space
 - Larger space with less traffic for artifacts