

Session CT-07

Rethinking Civic Architecture in Mississippi

U.S. Federal Courthouse, Jackson

4 November 2011



**POETIC
PRAGMATISM**

NOVEMBER 2-4, 2011
LOS ANGELES, CA

2011 Academy of Architecture Justice National Conference

CELEBRATING CREATIVE, COST EFFECTIVE, AND FUNCTIONAL DESIGN FOR JUSTICE FACILITIES



Presenters



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H3 Hardy Collaboration



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H3 Hardy Collaboration



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General Services Administration



Nelson H. Creath, Jr.
Project Architect
U.S. District Court

Agenda

- Introduction/Learning Objectives
- Project Walkthrough
- Lessons Learned:
 - Programming
 - Building Use
 - BIM
 - Cost
 - Collaboration
- Questions & Answers



Learning Objectives

1. Understand the parameters for **civic identity** and site- and region- specific design in the GSA Design Excellence Program and how they were applied for the Jackson Courthouse.



Learning Objectives

2. Understand the challenges involved in evaluating a GSA budget priorities for a federal courthouse project.

Learning Objectives

3. Understand how to evaluate a courthouse program and employ **design guidelines** using the GSA PBS-P100, while providing creative design solutions.

Learning Objectives

4. Understand how the Jackson Courthouse was used as a GSA BIM Pilot Project to enhance the final design and construction phases.



Learning Objectives

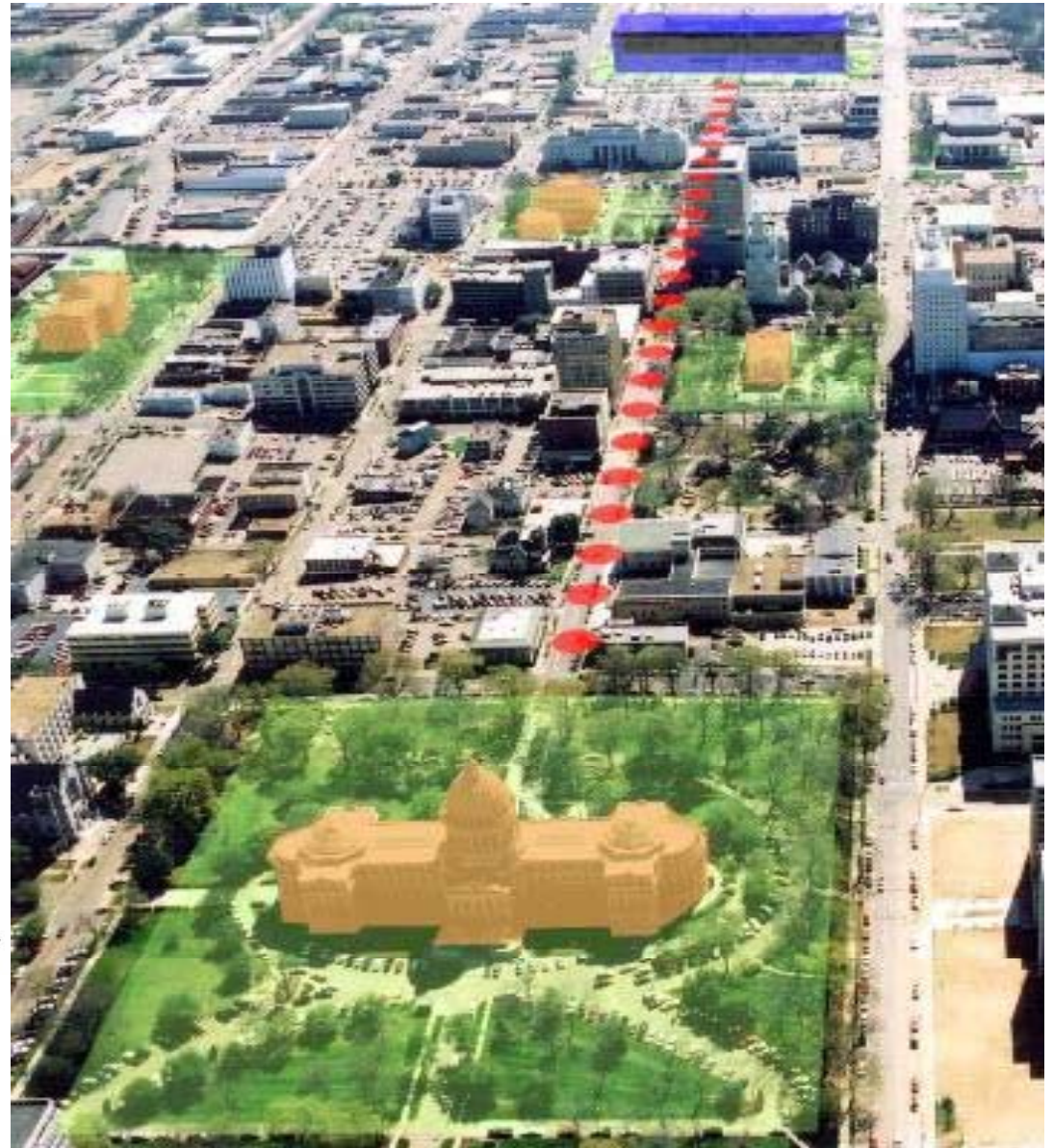
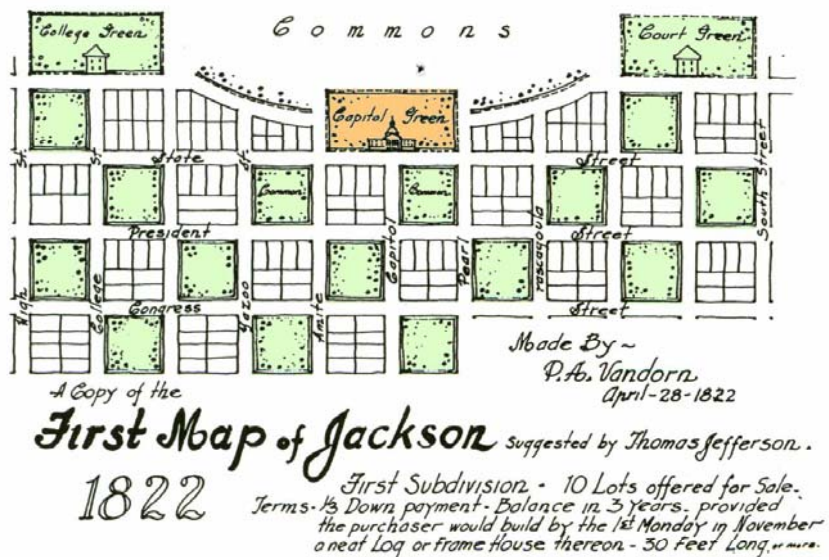
5. Understand how to identify opportunities for increased building **energy efficiency** to help achieve the GSA target rating of LEED Silver.



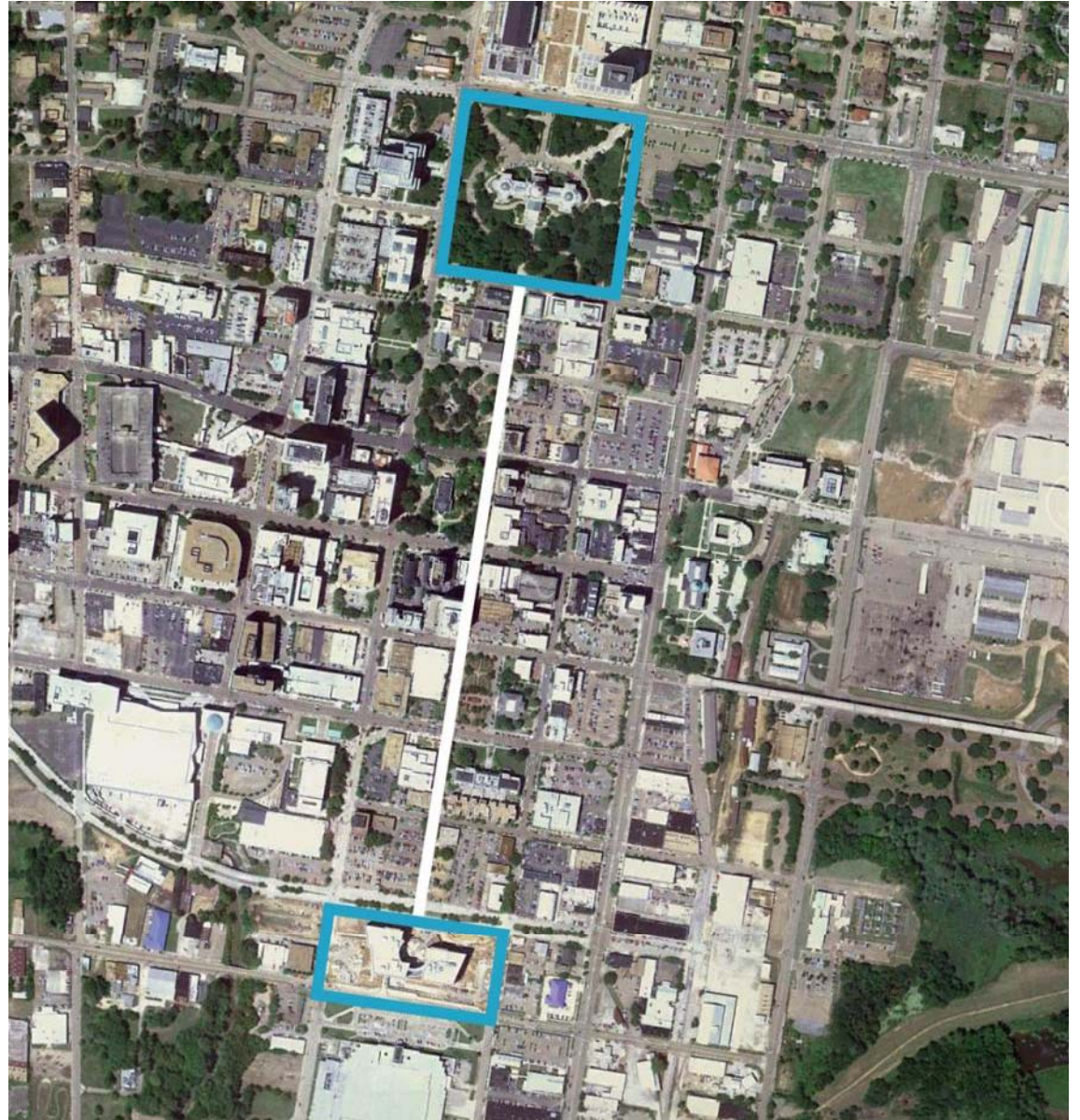
Learning Objectives

6. Using the U.S. Marshal and U.S. Courts Guidelines, understand how to describe and analyze a courthouse's **circulation system** and entry point security screening.

Site & Urban Context



Site & Urban Context



Site & Urban Context



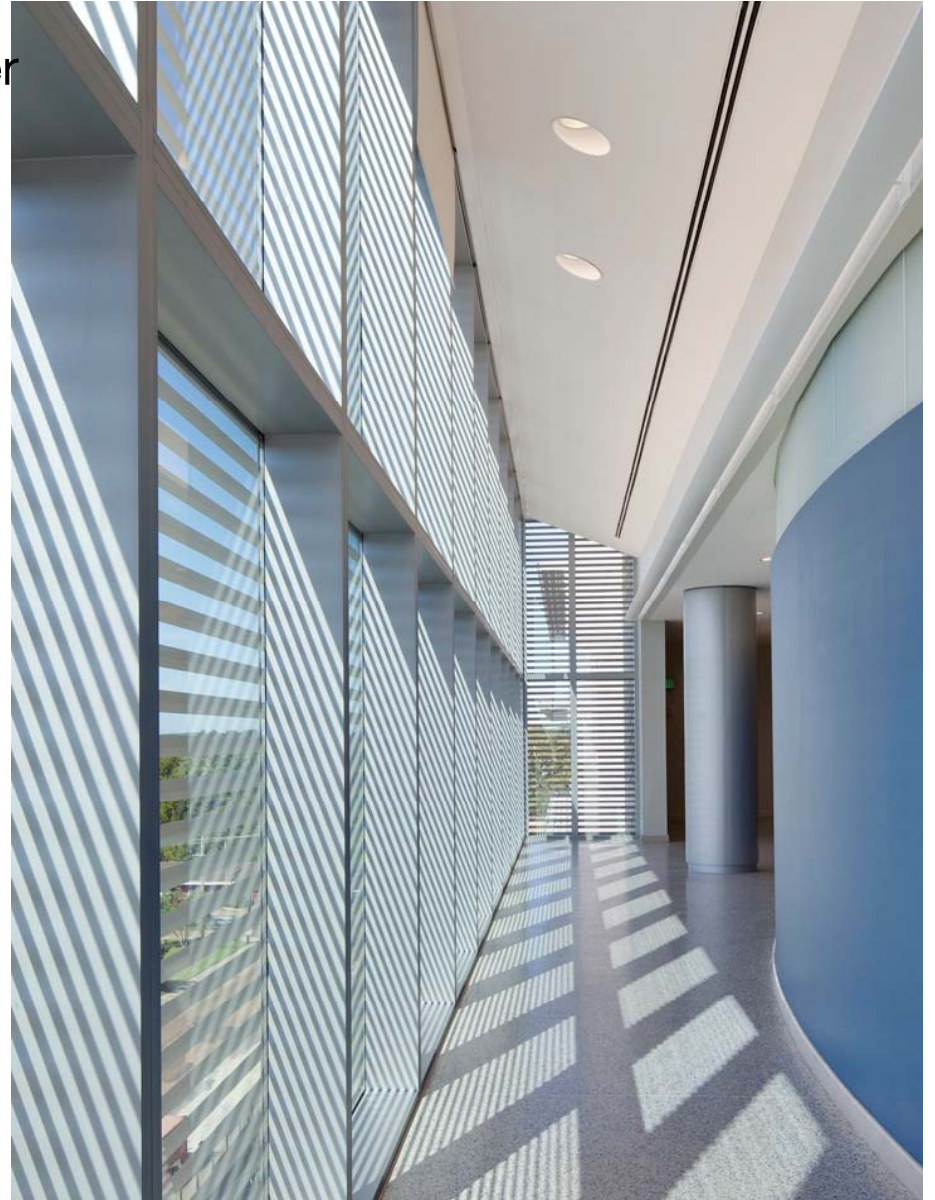
Regional Influence & Architectural Character



Regional Influence & Architectural Character



Regional Influence & Architectural Character

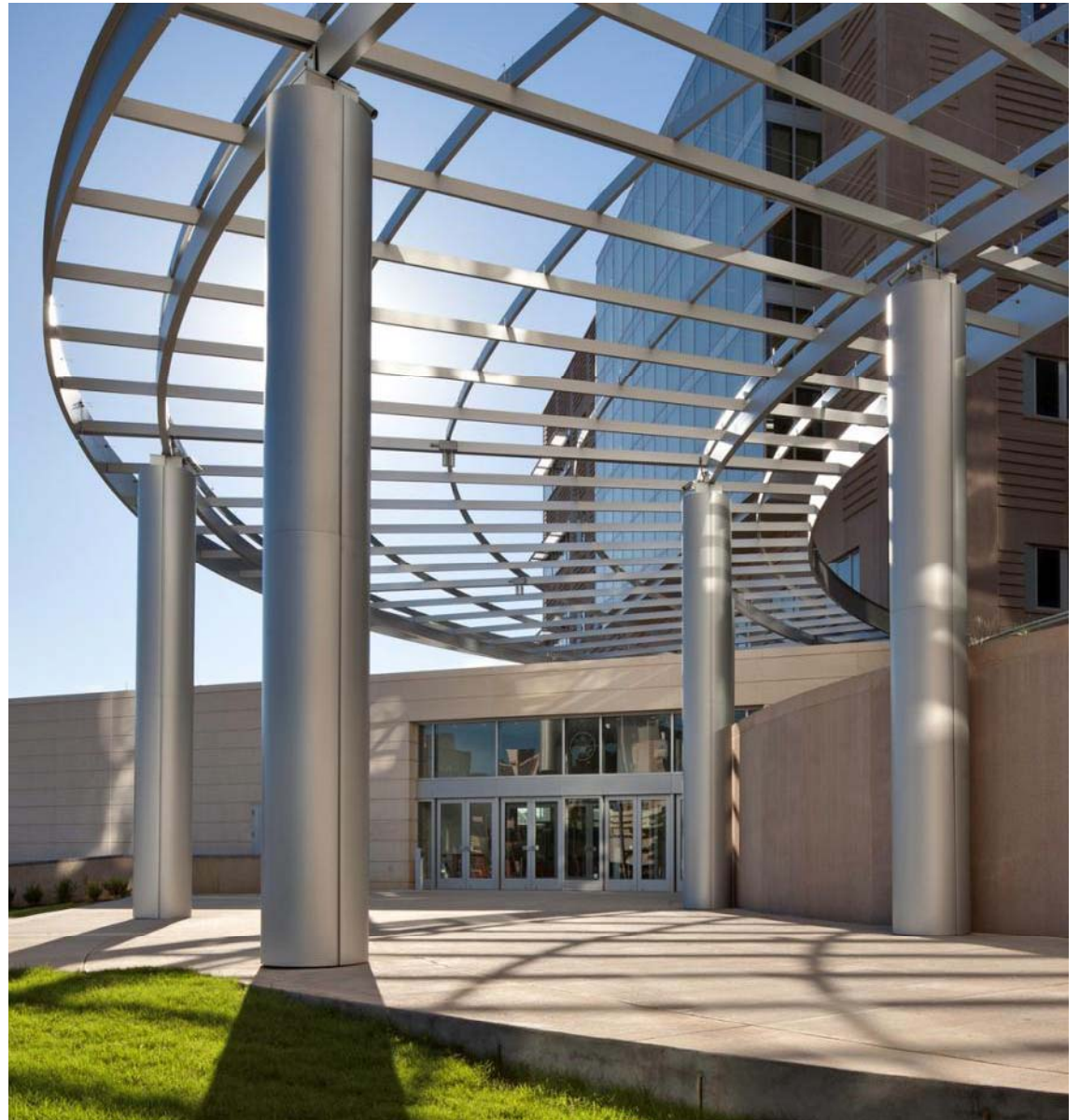
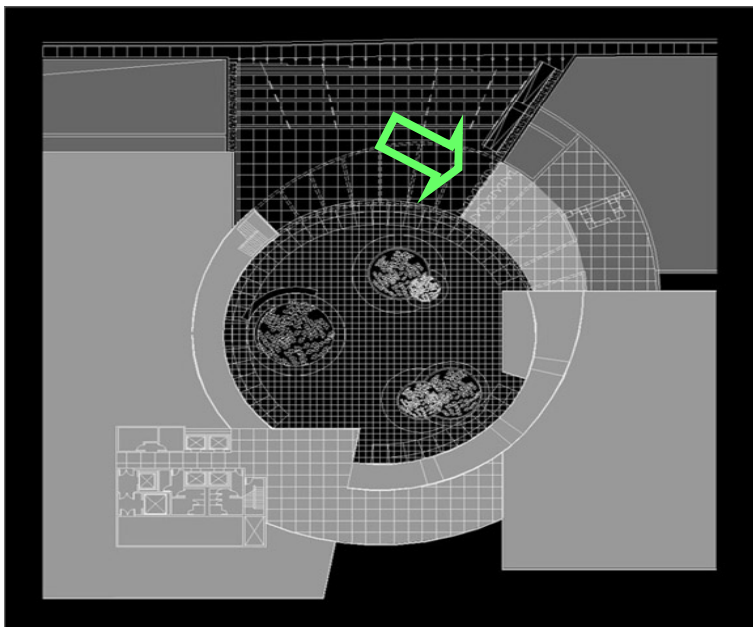


Regional Influence & Architectural Character

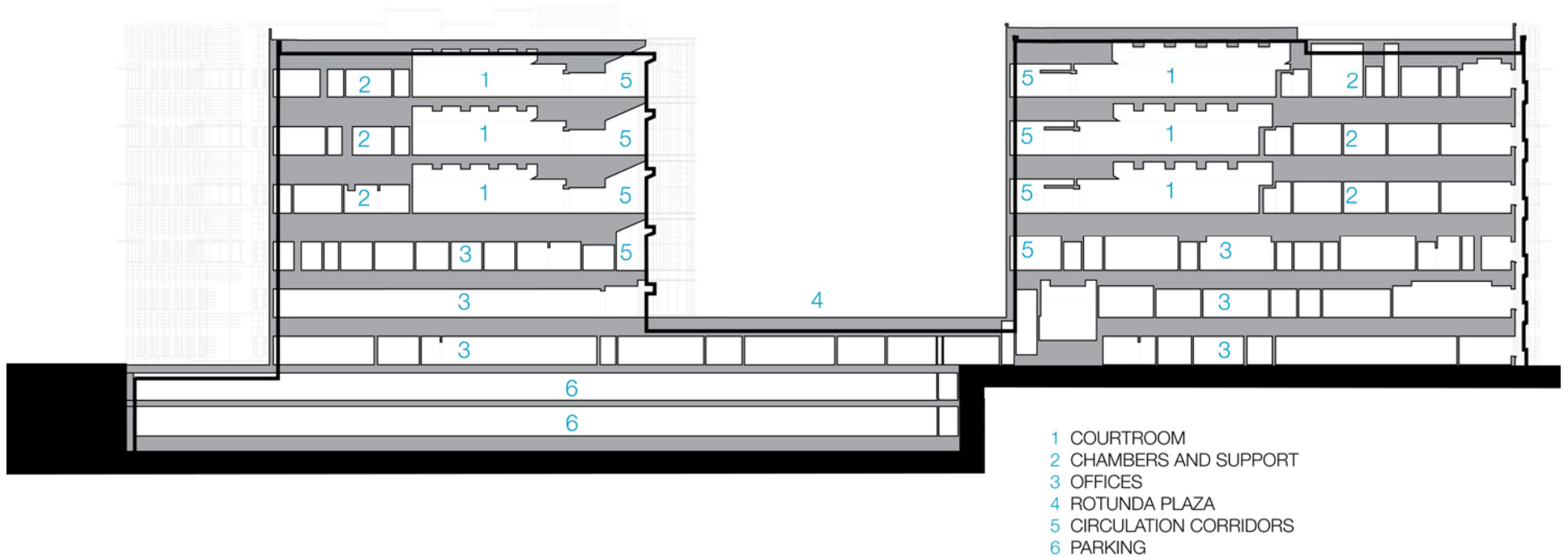


Entry Sequence & Security

Main Entrance

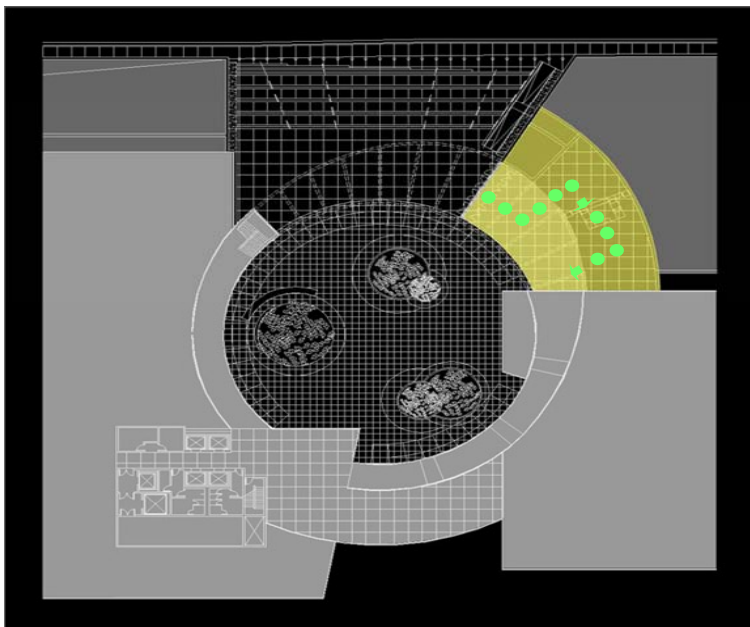


Entry Sequence & Security



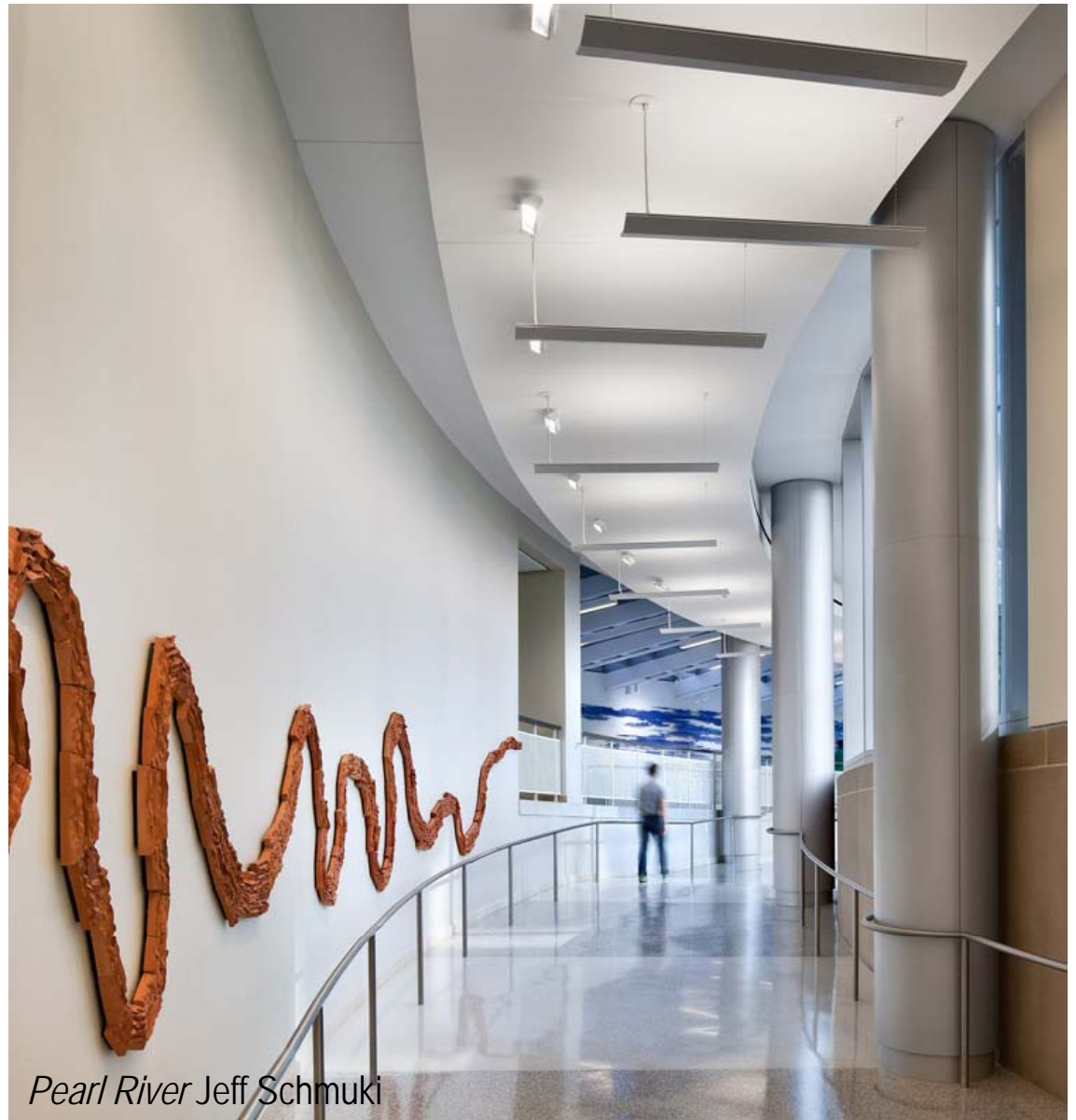
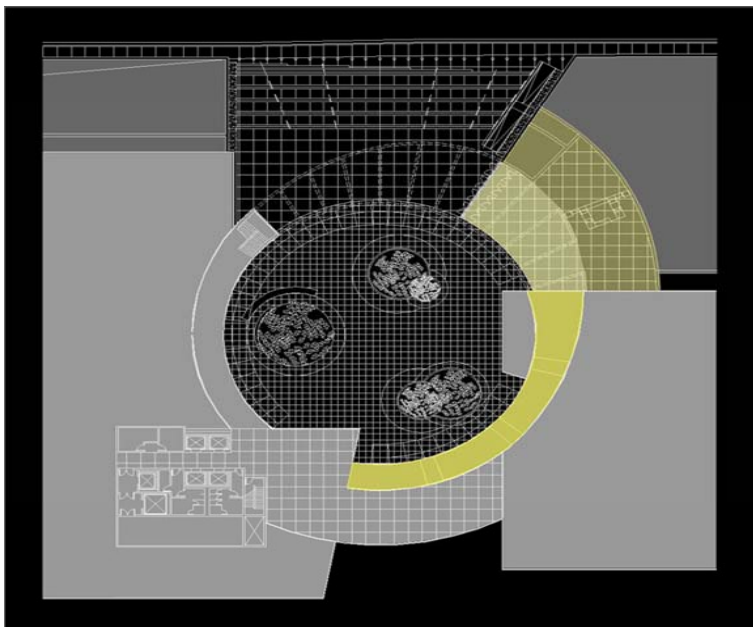
Entry Sequence & Security

Security



Entry Sequence & Security

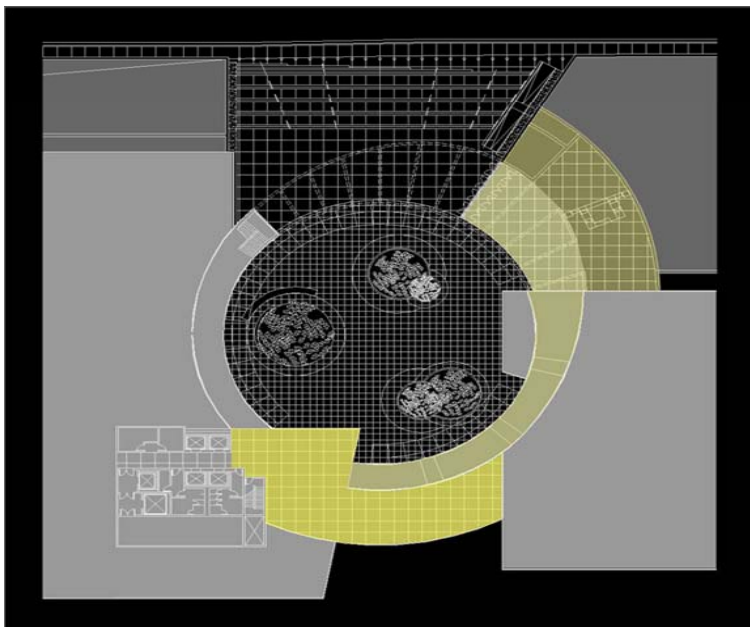
Ramp



Pearl River Jeff Schmuki

Entry Sequence & Security

Upper Lobby



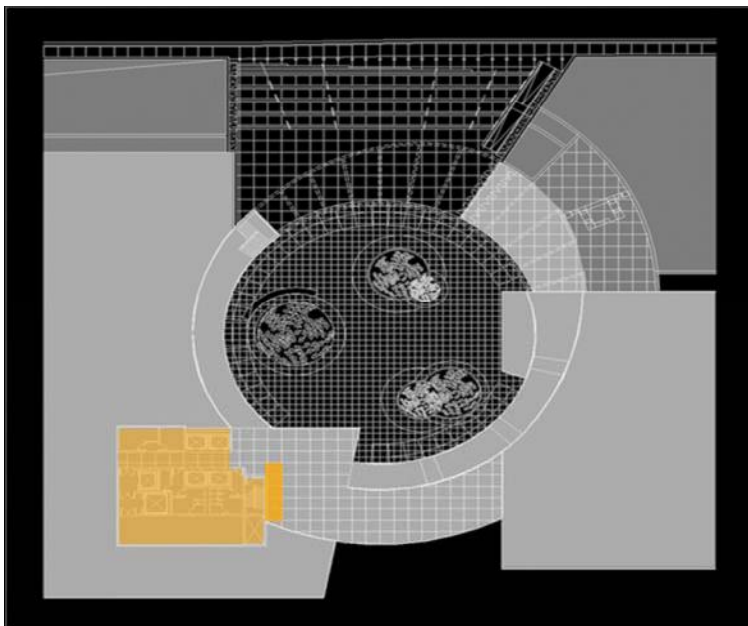
Entry Sequence & Security



Cloudwaterline (HORIZON) Katy Stone

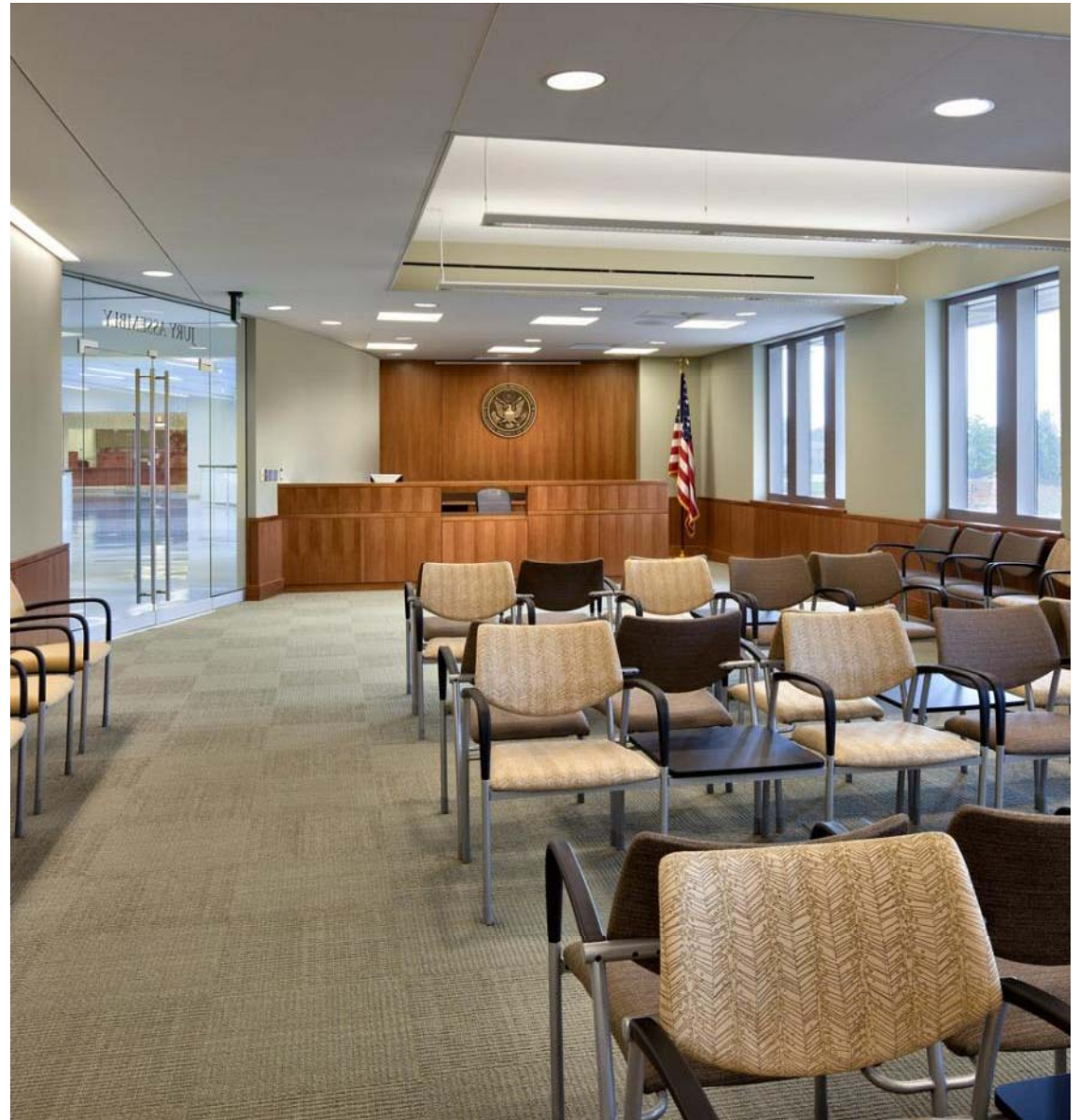
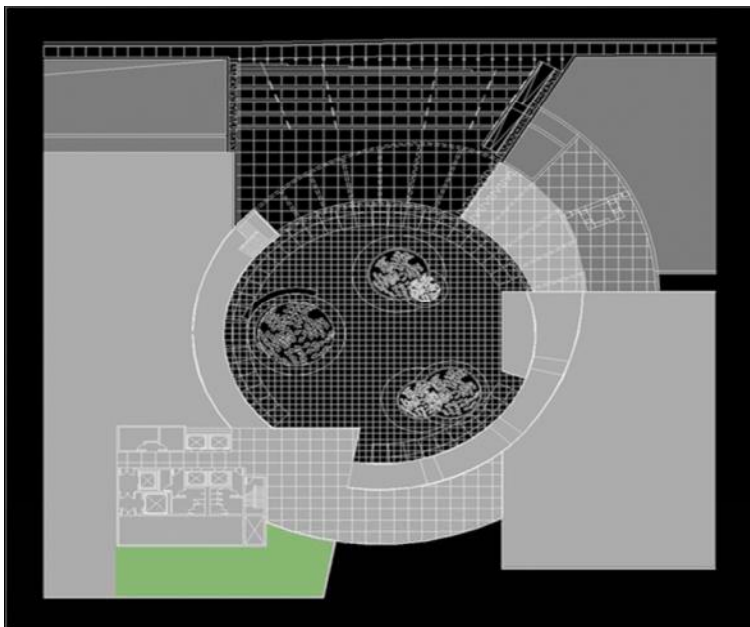
Entry Sequence & Security

Core & Directory



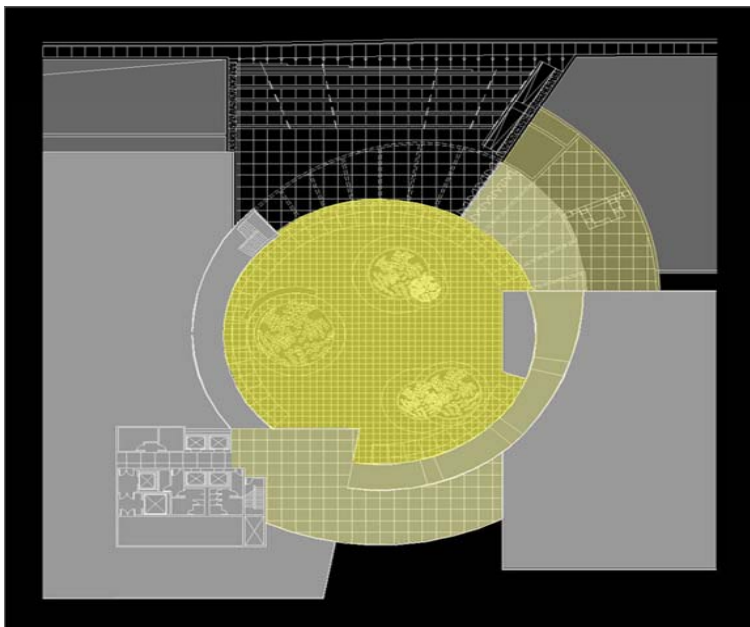
Entry Sequence & Security

Juror Assembly Room



Entry Sequence & Security

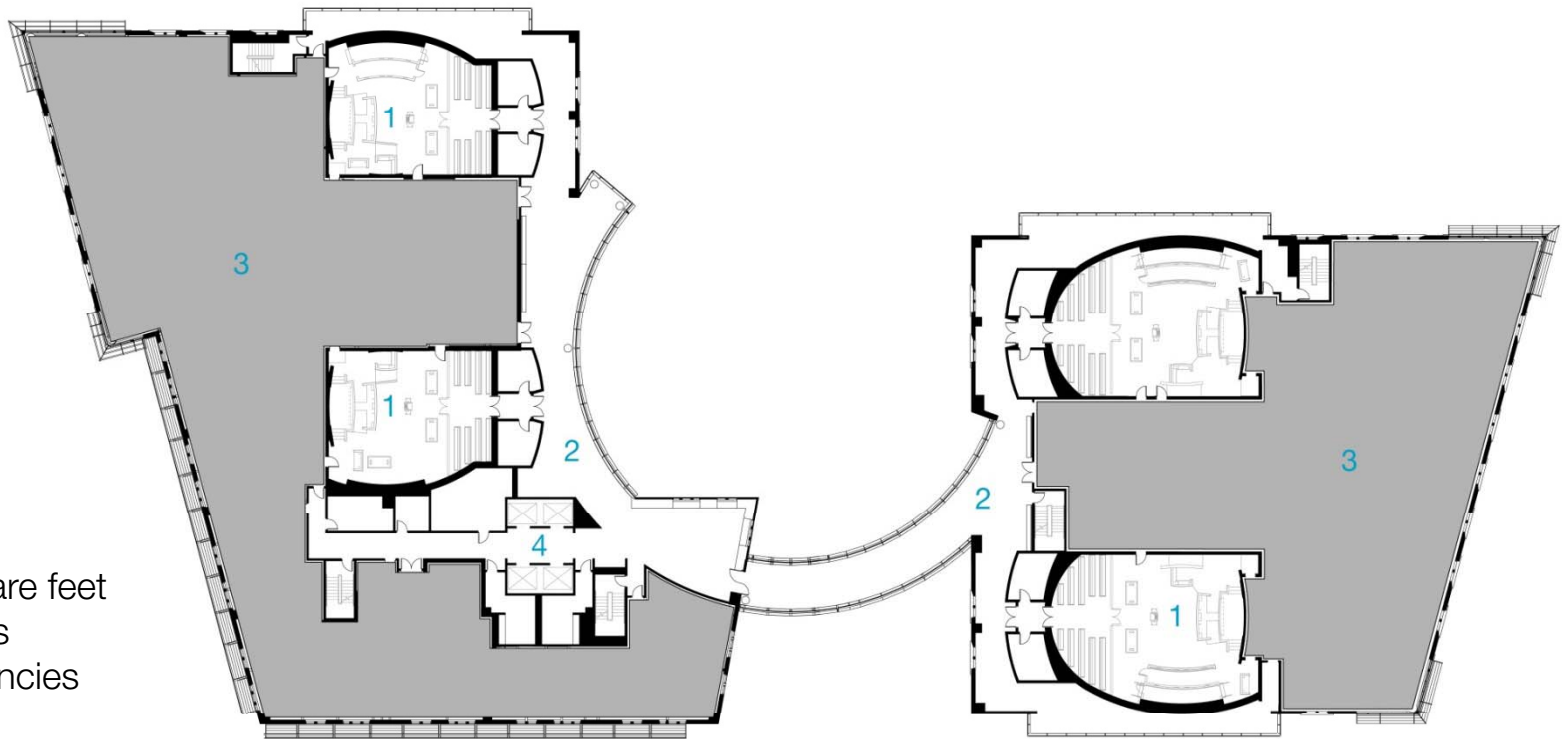
Rotunda Plaza



Entry Sequence & Security

- 1 COURTROOM
- 2 ROTUNDA / LOBBY
- 3 BACK OF HOUSE / JUDGES CHAMBERS
- 4 BUILDING CORE

- 413,000 square feet
- 12 courtrooms
- 19 tenant agencies



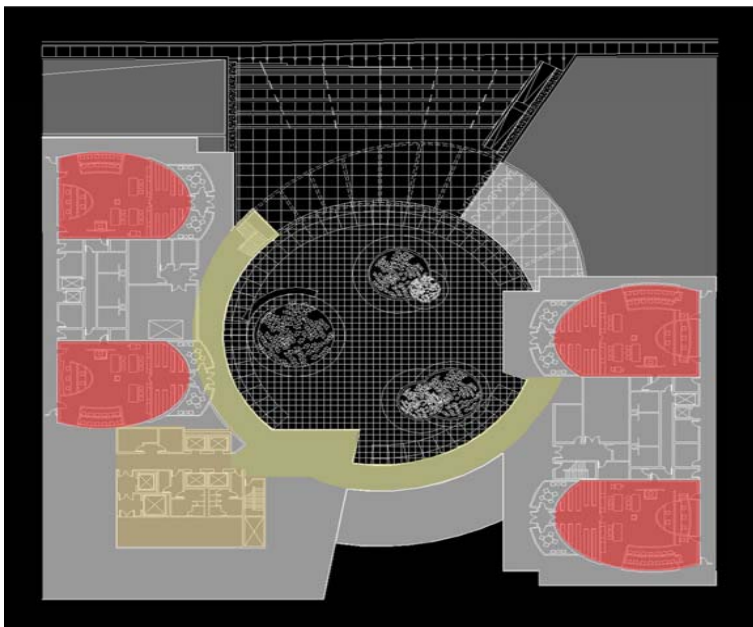
Entry Sequence & Security



Courtroom Doors Fletcher Cox

Entry Sequence & Security

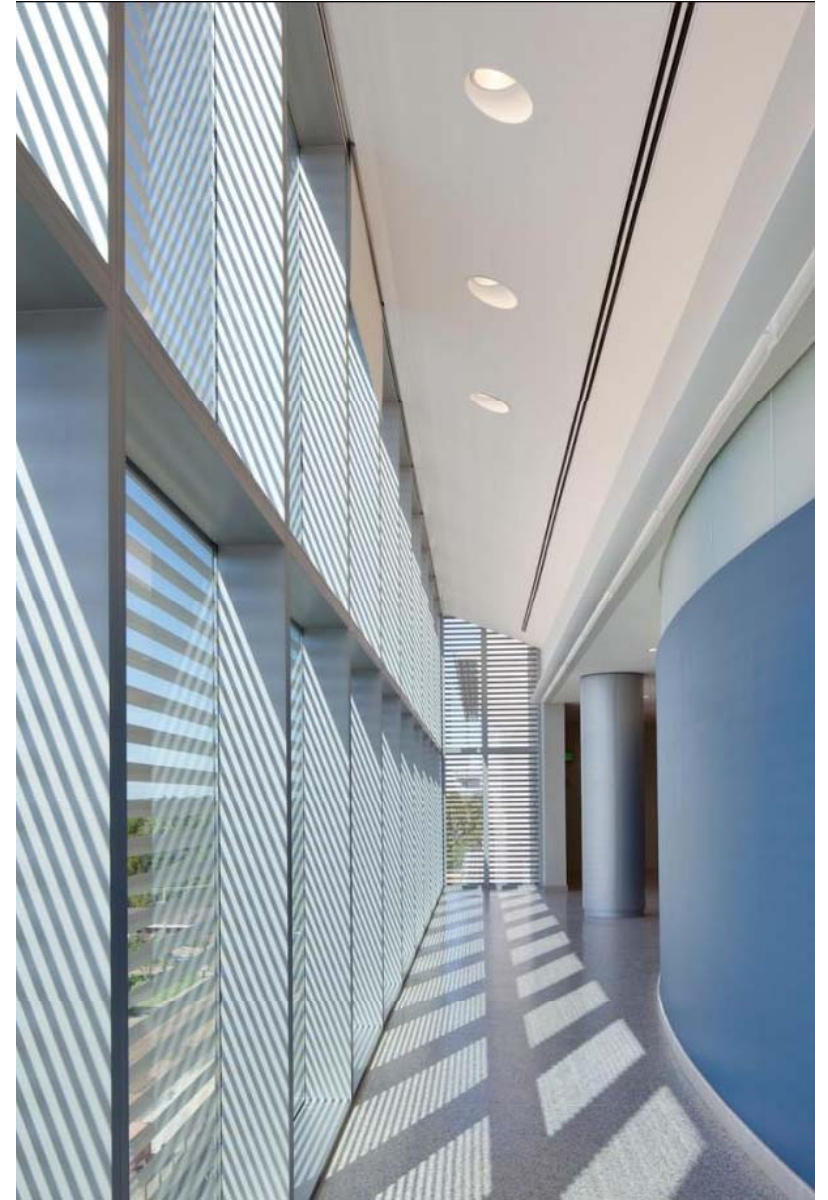
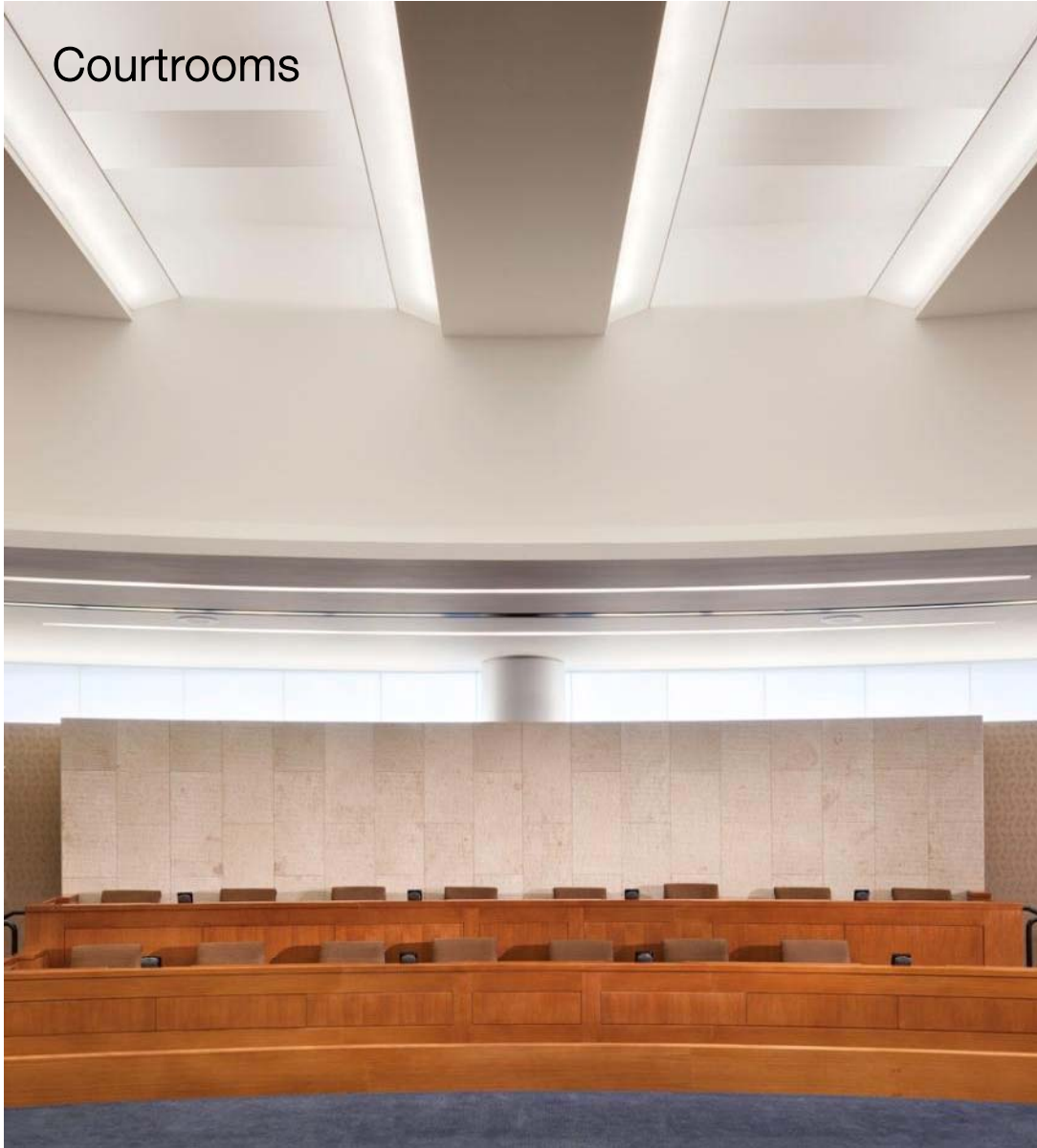
Courtrooms



Courtrooms



Courtrooms



Lessons Learned



Lessons Learned: Building Use



Lessons Learned: Building Use



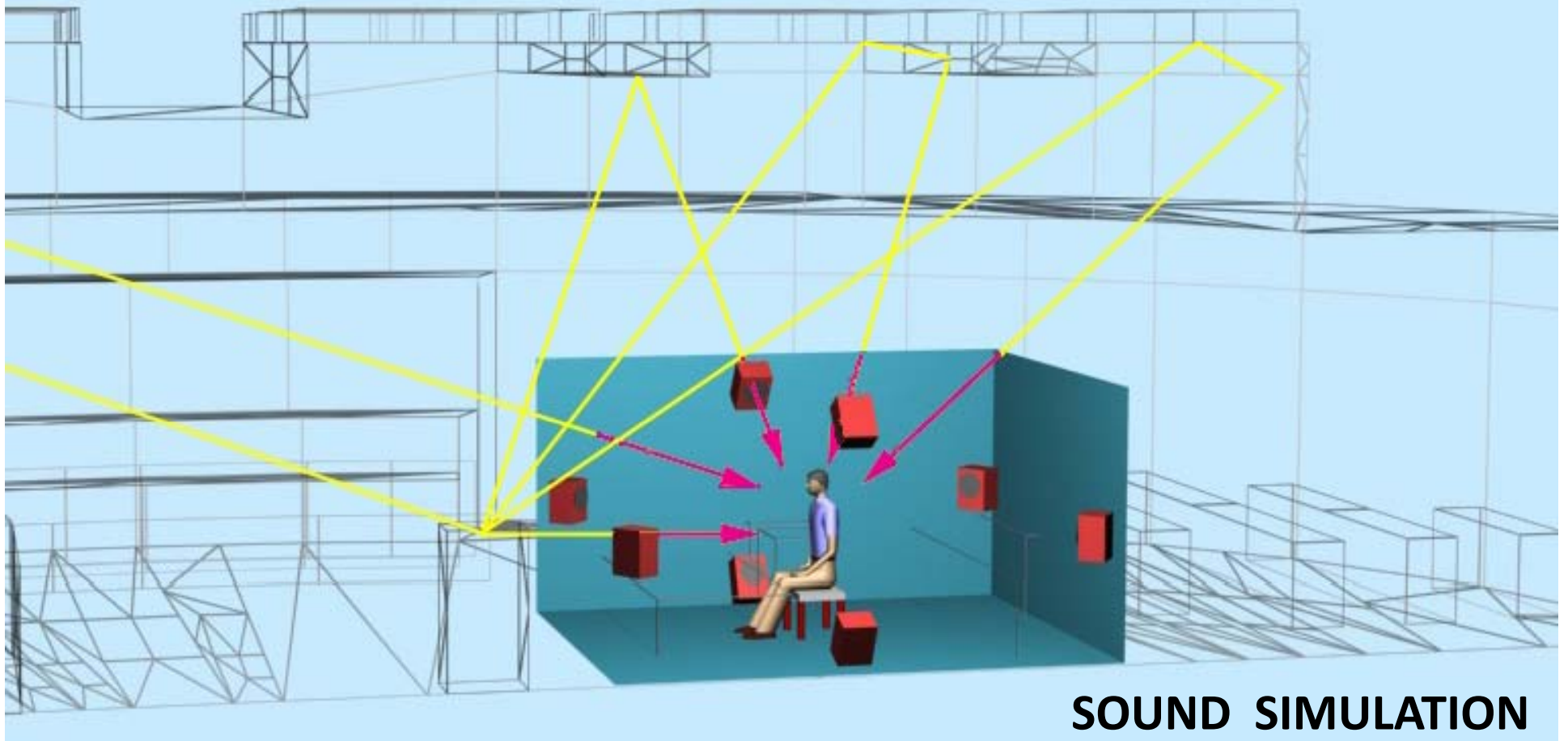
Lessons Learned: Building Use



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Lessons Learned: Building Use



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Lessons Learned: Building Use

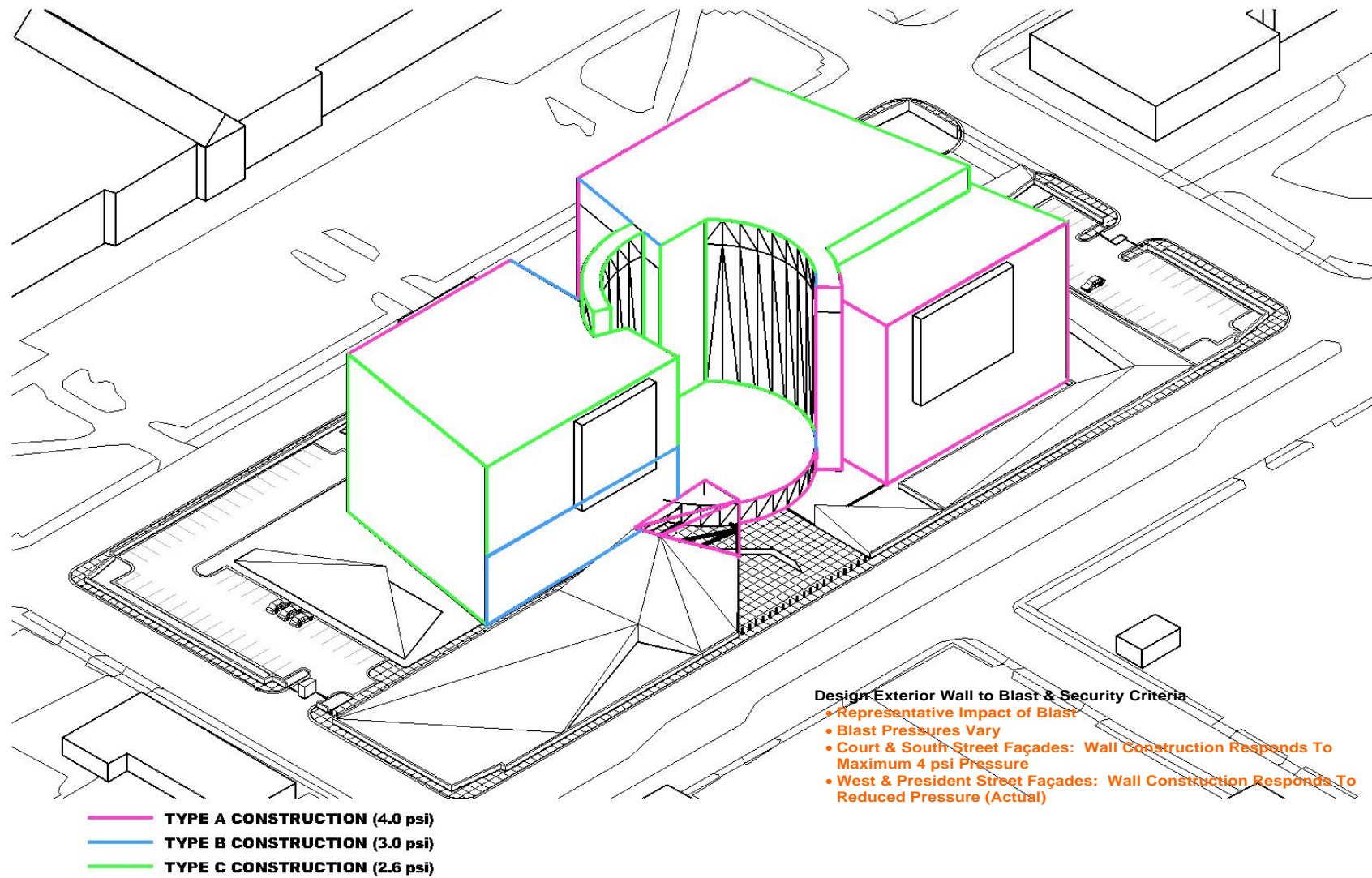


Lessons Learned: Cost

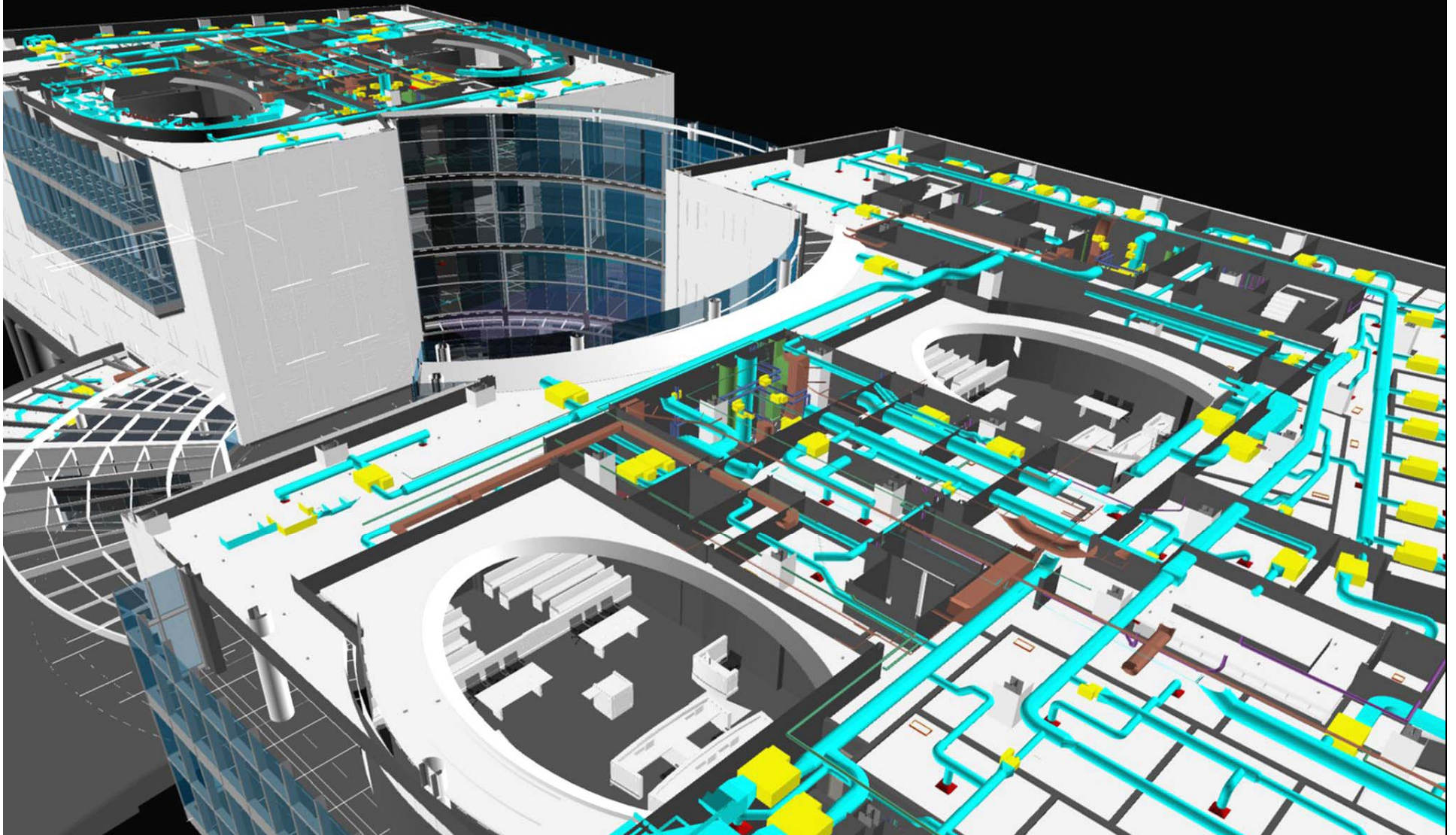
	<u>TARGET</u> Ratio	<u>DESIGN PROVIDED</u>	
		m2	Ratio
WALL TO FLOOR RATIO	45% - 55%		46%
Exterior Enclosure		18,049	
Gross Area (includes parking)		39,556	
FENESTRATION RATIO	30% - 45%		38%
Glazing Area		6,853	
Exterior Enclosure		18,049	
SITE RATIO			31%
Building Footprint		7,100	
Site Area		23,100	
SPACE EFFICIENCY RATIO	67%		70%
Net Usable Area		24,932	
Gross Area (no parking)		35,480	

CONCEPT PHASE - KEY BENCHMARK RATIOS

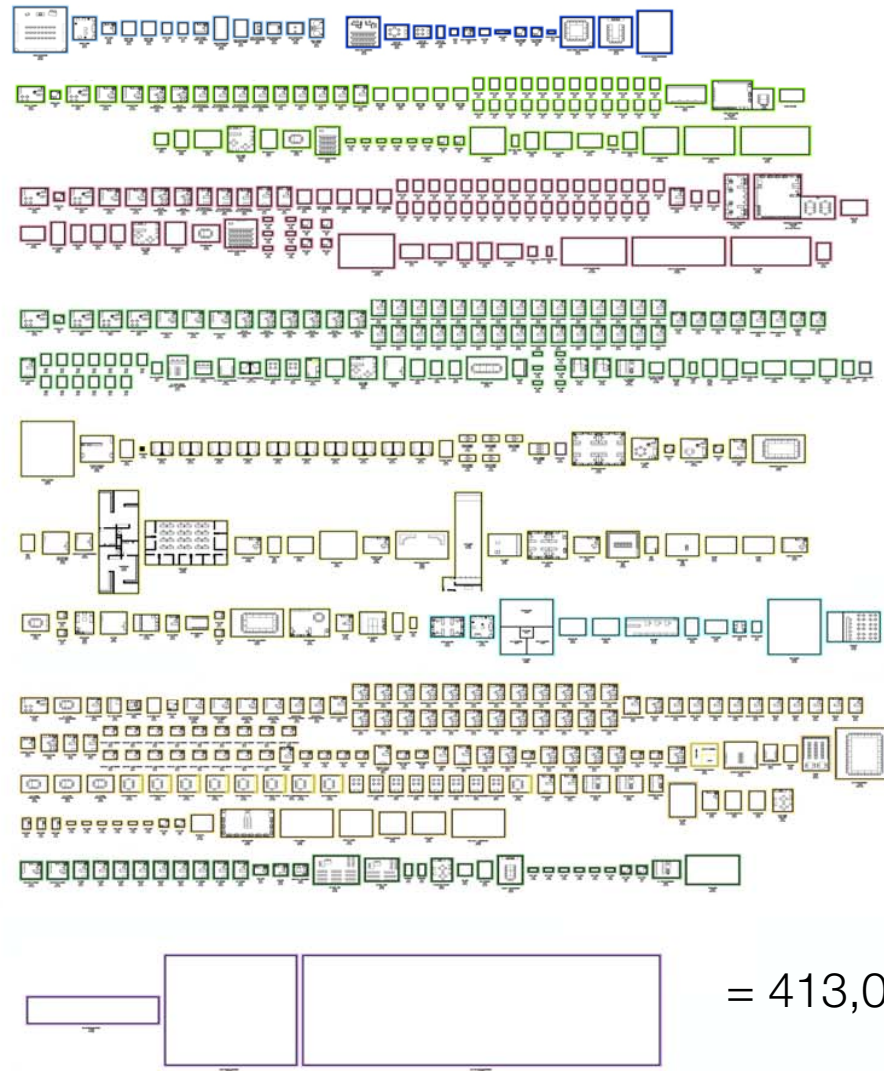
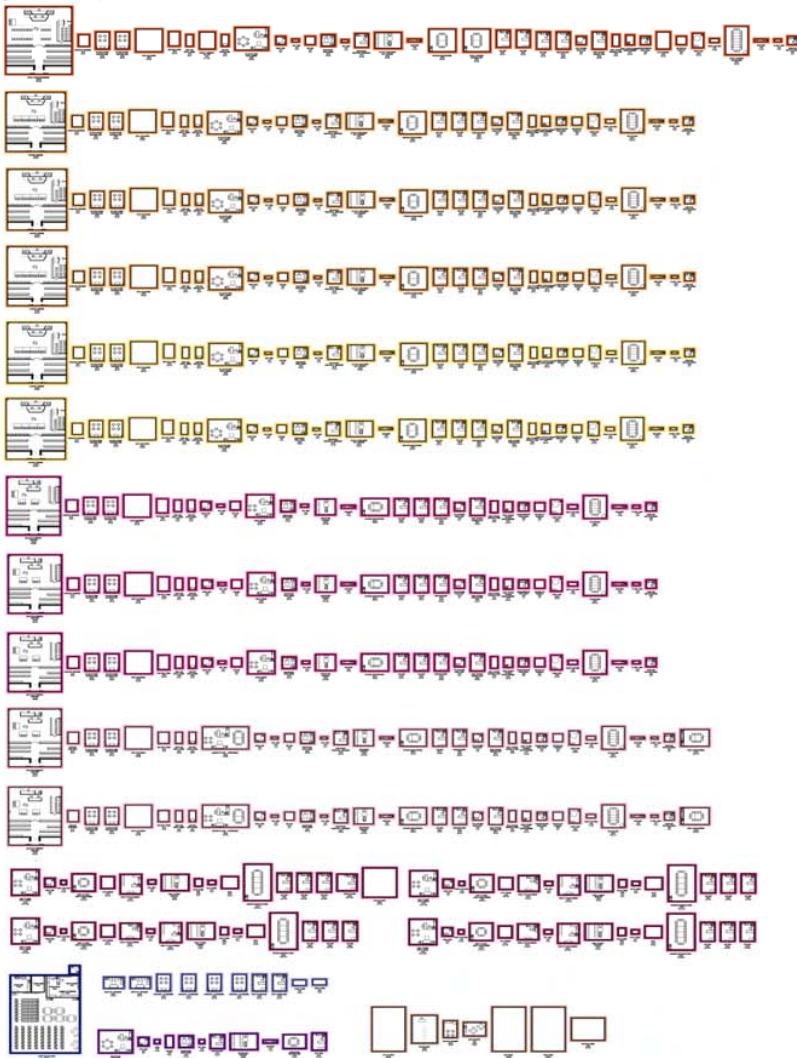
Lessons Learned: Cost



Lessons Learned: BIM

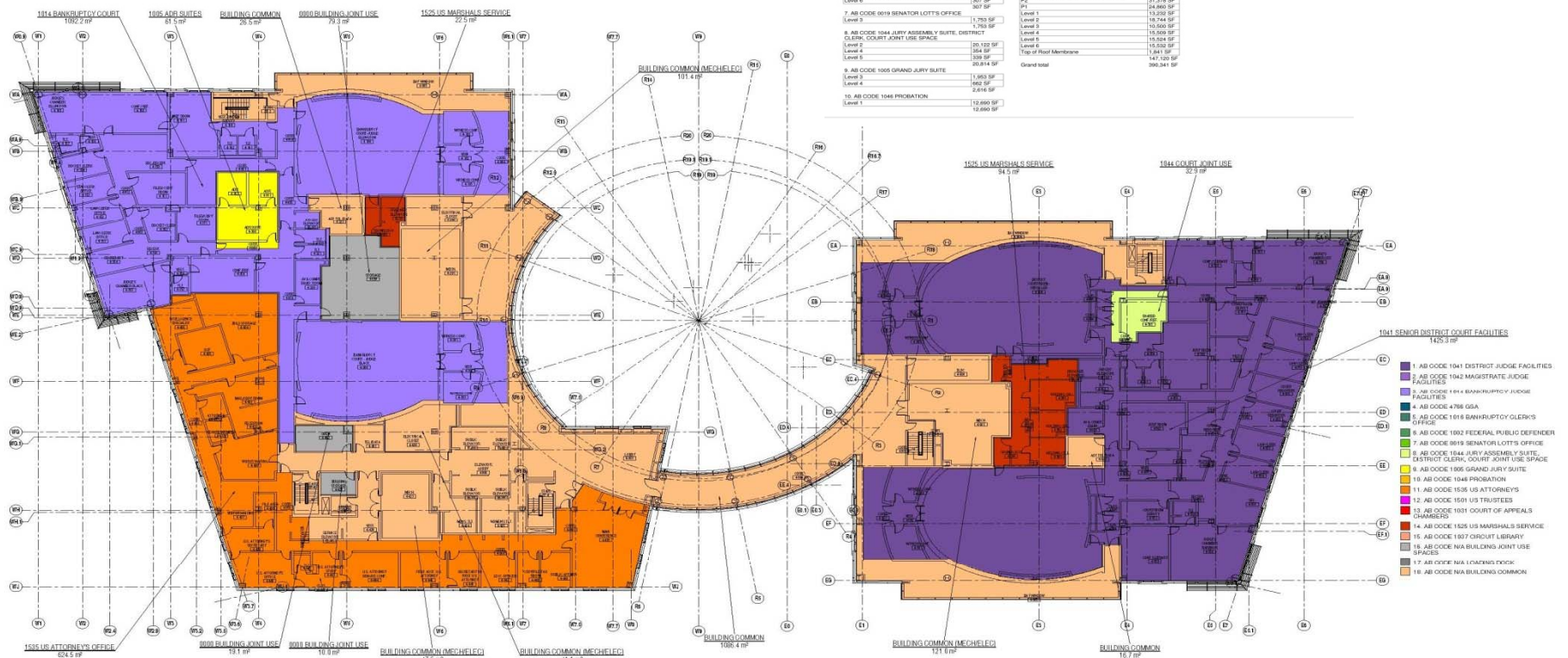


Lessons Learned: Building Use



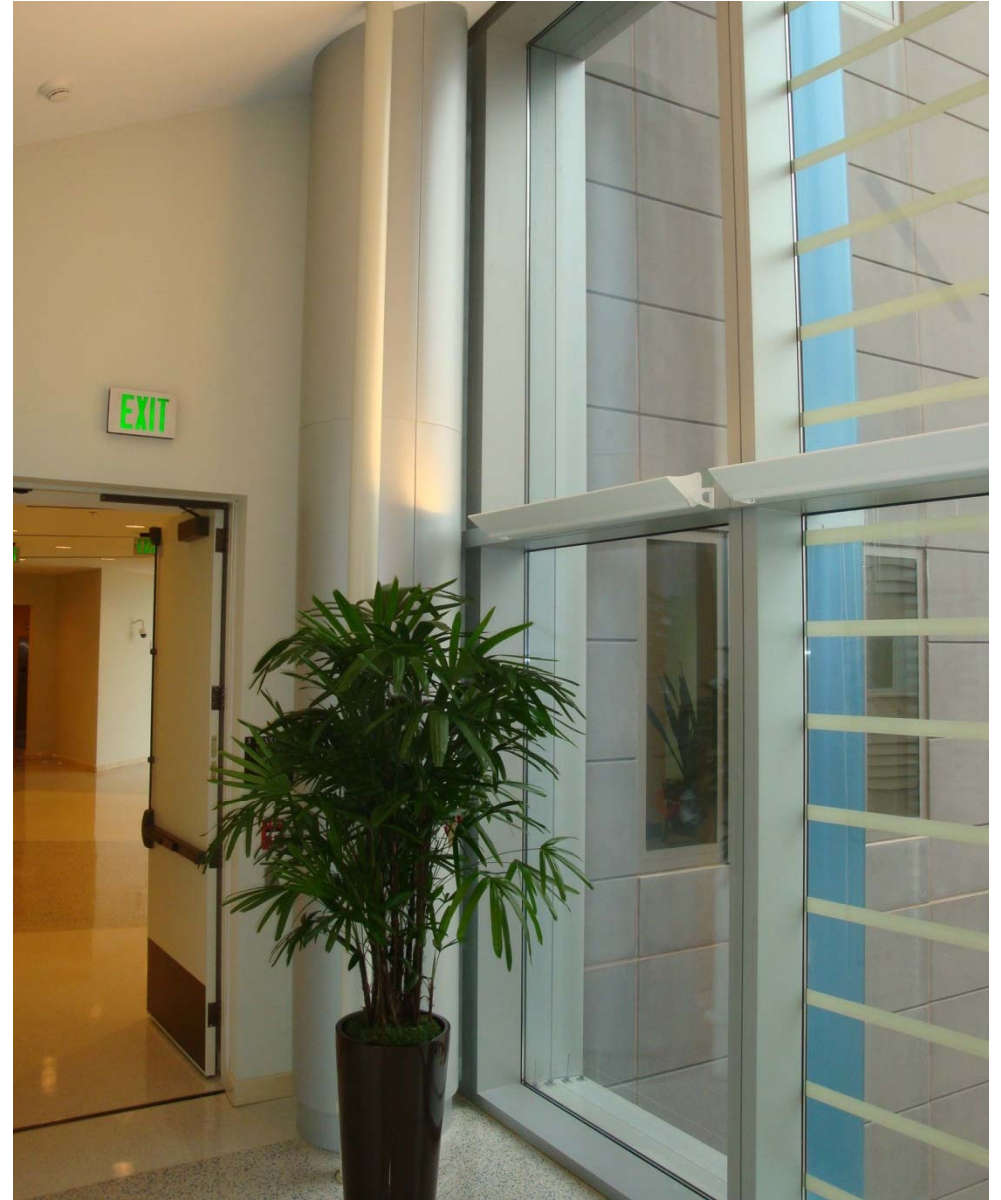
= 413,000 sf

Lessons Learned: BIM

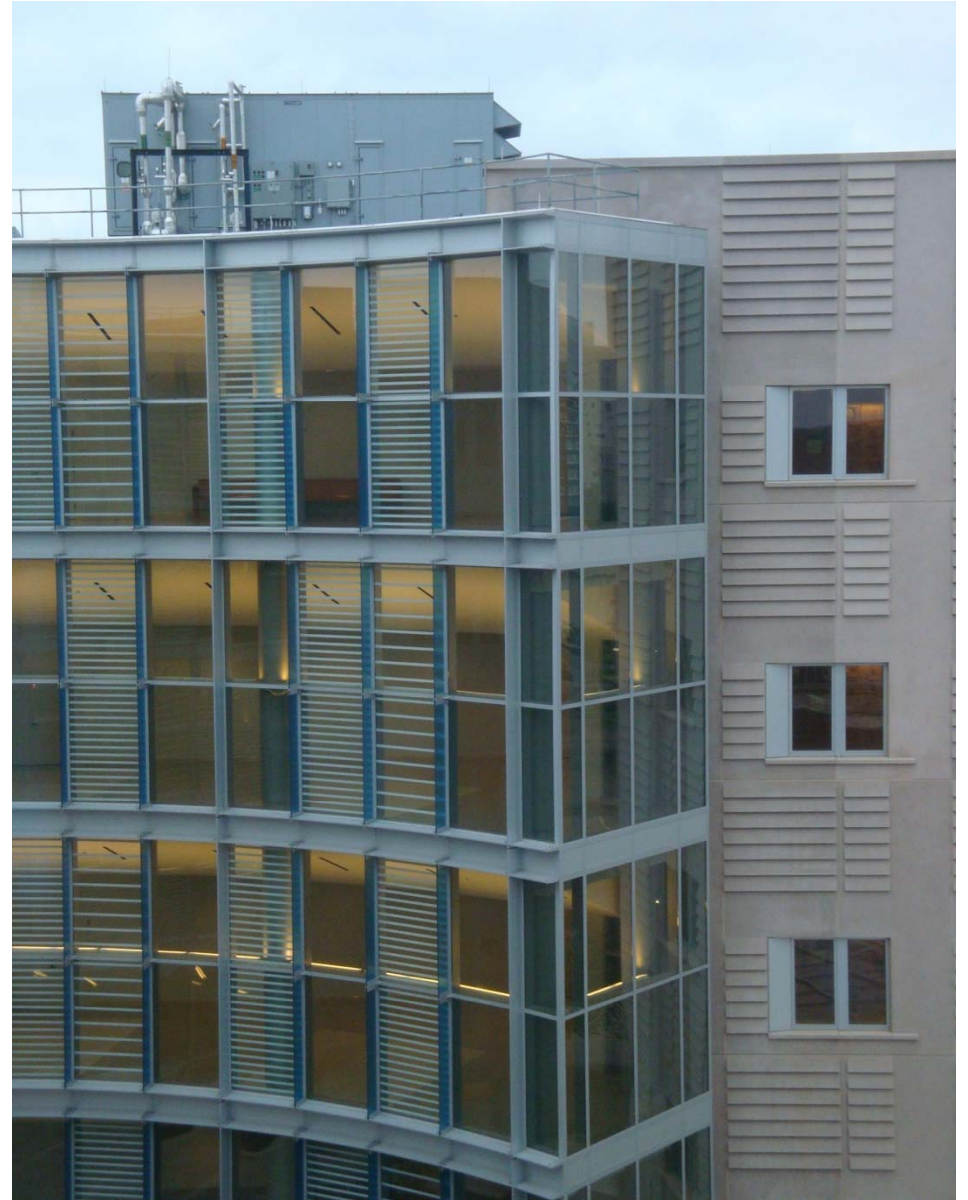


Assignment Plan Level 4
Updated: 03/05/2009

Lessons Learned: BIM



Lessons Learned: BIM



Lessons Learned: Collaboration



Lessons Learned: Collaboration



Questions & Answers

