

AE 482

PRESENTATION OUTLINE



Towson West Village Commons

*Towson University
Towson, Maryland*

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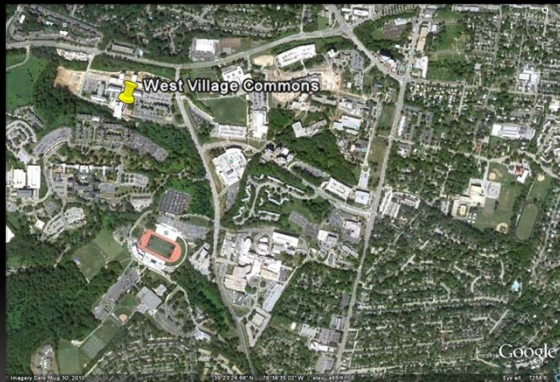
Outline – 39 Screens

1. Introduction
 - a. Personal Introduction
 - b. Building Overview
 - i. Towson University Master Plan (1 screen)
 - ii. Site (2 screens)
 - iii. Building Function (1 screen)
 - iv. Design Team (1 screen)
 - c. Scope of Redesign (1 screen)
 - i. Brief outline of spaces redesigned
2. Lighting Design Concept (2 screens)
3. Study Lounge
 - a. Existing Space Conditions (2 Screens)
 - b. Design Concepts (2 screens)
 - c. Finalized Design and Renderings - Calculations, Fixtures, 3D views (3 screens)
 - d. Daylighting Breadth (MAE)**
 - i. Façade Changes (2 screens)
 - ii. Shade Selection (1 screen)
 - iii. Integrated Controls (2 screens)
 - e. Mechanical Breadth**
 - i. Glazing Property Changes (1 screen)
 - ii. Shading Impact (1 Screen)
 - iii. Determined Thermal Load (1 Screen)
 - f. Lighting Design ties to Grand Stair, Terrace (2 screens)
4. HRL Suite
 - a. Existing Space Conditions (2 Screens)
 - b. Design Concepts (2 screens)
 - c. Finalized Design and Renderings - Calculations, Fixtures, 3D views (3 screens)
 - d. Electrical Depth – DC Power Distribution
 - i. 24 VDC Description (1 screen)
 - ii. DC Loading vs. Inverter Incorporation (2 screens)
 - iii. Impact on Lighting Design
 - e. Structural Breadth**
 - i. Roof Layout (1 screen)
 - ii. Sizing Impacts (2 screen)
5. Summary (3 screen)
6. Thank yous/Questions (1 screen)

 **TOWSON** *West Village Commons*
UNIVERSITY™

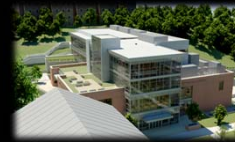


Patrick Morgan
Lighting/Electrical
April 13, 2011

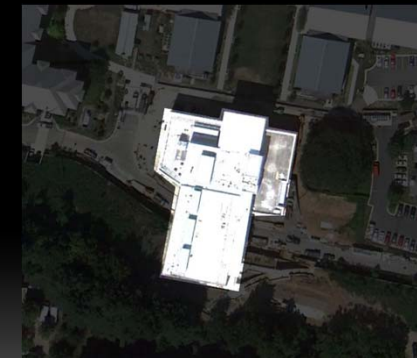


Project Overview

- **Size:** 86,339 sq. ft.
- **Main Function:**
University Commons Building
- **Levels Above Grade:** 4
- **Cost:** \$30,528,000
- **Construction Dates:**
July 15, 2009 to May 31, 2011
- Minimum Silver LEED Rating



Rendering Courtesy GWVO Inc.



Overview

- Overview**
- Design Concept
- Study Lounge
 - Lighting
 - Daylighting
 - Mech. Loads
- HRL Suite
 - Lighting
 - DC Power
 - Structure
- Summary

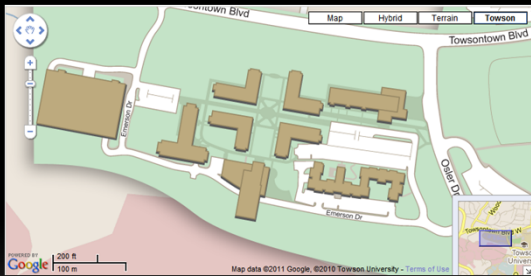
Towson Vision

Master Plan Guiding Principles:

- Define Clear Edges and Centers
- Develop a Sustainable Campus

Student Life:

- Increase on-campus housing and physical connections to create a more “walkable” and active campus.
- Provide more outdoor recreation and green space



West Village Residence Area

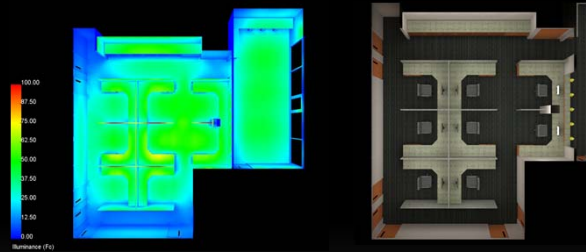


Paca House



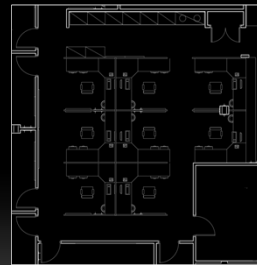
Towson Run Apartments

HRL Suite – Lighting Design



Illuminance at the Workplane

- Efficient
 - Uniform
 - Illuminance - 50 fc
- Productive
 - VDT Use
 - No Direct Glare
- Spacious
 - No Exterior Windows



Office Overview



Reception Counter