



SOUTH DIXIE HIGHWAY ELEVATION



Palmetto Bay Municipal Complex with an Emergency Operations Center

These images are artist conceptions of the Village of Palmetto Bay Municipal Center Building. While they reflect the design intent of the building's appearance and layout, minor changes should be anticipated as these images are translated into construction documents that will more accurately define the building.



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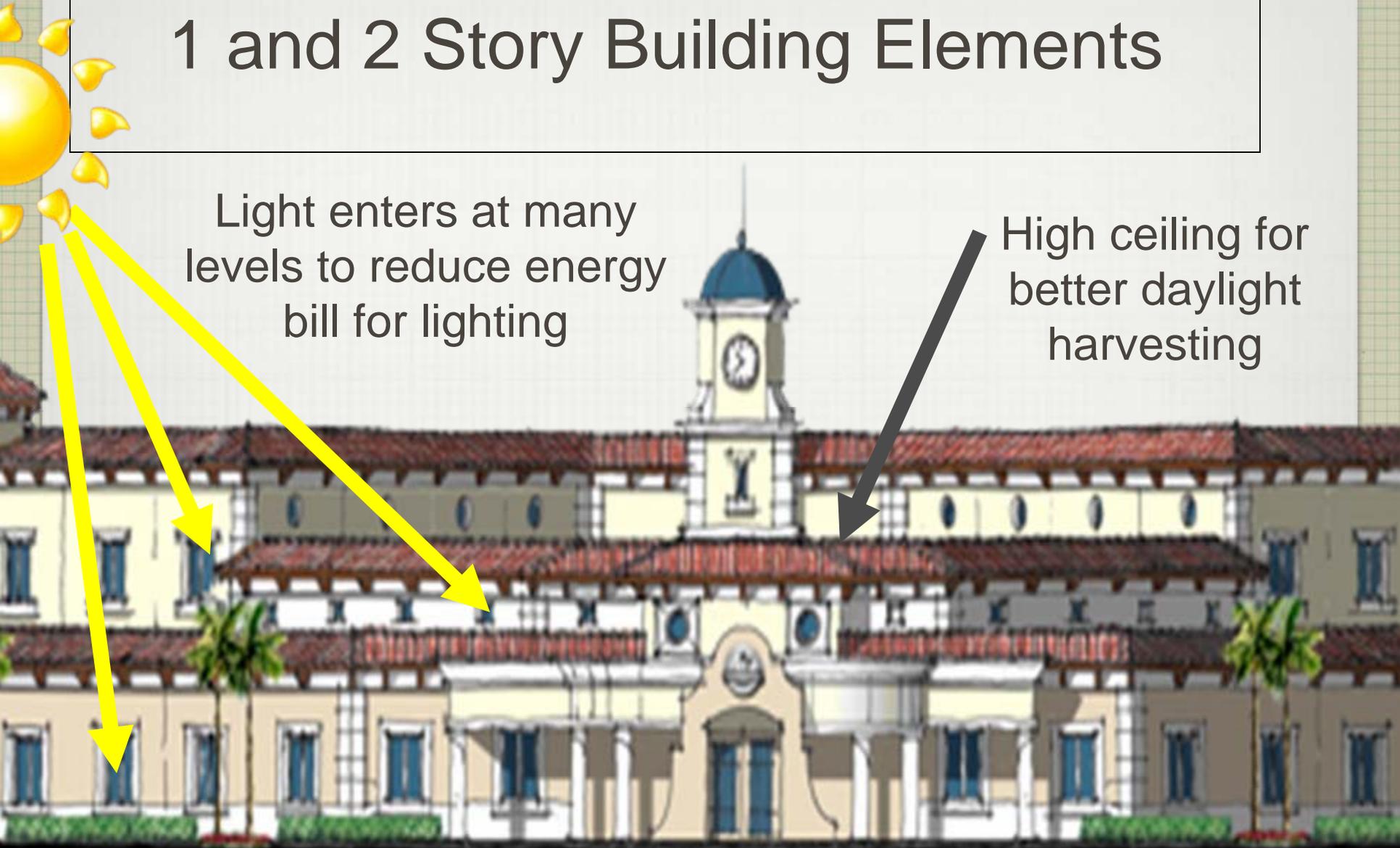
Project Goals

- **2 Story Building saves energy** because it creates concise, efficient, effective use of building envelope, reducing HVAC loads.
- **Hurricane Hardened Emergency Operations Center (EOC) Facility** to function as the City Center for communications and resources after an event.
- **EOC Design & Construction** makes building eligible for FEMA funding.
- **Increased Visibility & Accessibility** due to improved land use by efficient building.
- **Tower is incorporated into Building** to assist in communicating the hub nature of the building to the community. Pump station is blended into the naturescape and de-emphasized.

1 and 2 Story Building Elements

Light enters at many levels to reduce energy bill for lighting

High ceiling for better daylight harvesting



Entrance Lobby & Art Gallery



- Community Art Gallery with Seasonal Art Shows.

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Council Chambers & Multi Use Community Room



- Available for use by clubs, organizations, community groups and special events.

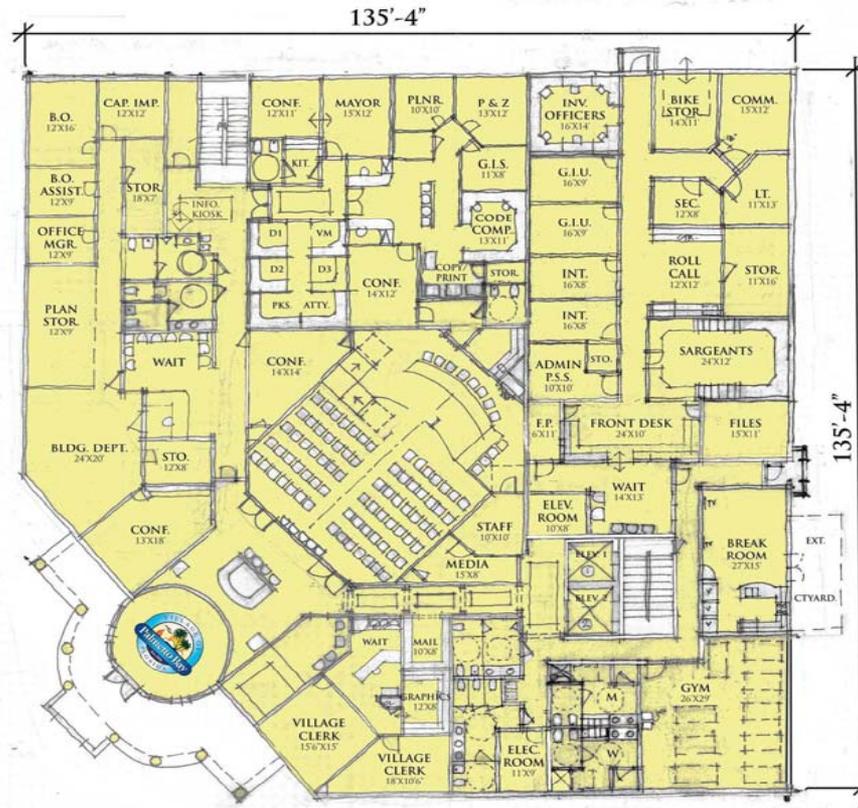
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Community “Needs Analysis”

- Staff and Developer performed a needs analysis for planning the spaces required to serve the community.
- Ground Floor has police, public service community needs and mayor/council member office space.
- Ground floor has accessible Council Chamber and public meeting space.
- 2nd floor has computer rooms, staff offices and training room.





1ST FLOOR		16,672 SF (APPROX)
POLICE DEPT.		3,522 SF (APPROX)
VILLAGE CLERK		802 SF (APPROX)
BUILDING DEPT.		2,215 SF (APPROX)
PLANNING-ZONING		
CODE COMPLIANCE		1,180 SF (APPROX)
MAYOR & COUNCIL		865 SF (APPROX)
COUNCIL CHAMBERS:		2,160 SF (APPROX)
81 SEATS - PUBLIC		
8 SEATS - COUNCIL		
4 SEATS - STAFF		
CASHIERS		220 SF (APPROX)
MAIN LOBBY/		600 SF (APPROX)
INFORMATION:		1,059 SF (APPROX)
GYMNASIUM:		
BREAK ROOM:		405 SF (APPROX)



1st Floor
 Scale: 1/8" = 1'-0"
PALMETTO BAY MUNICIPAL CENTER
 PALMETTO BAY, FL

#8714
 09-24-09

THESE IMAGES ARE ARTIST CONCEPTIONS OF THE VILLAGE OF PALMETTO BAY MUNICIPAL CENTER BUILDING. WHILE THEY REFLECT THE DESIGN INTENT OF THE BUILDING'S APPEARANCE AND LAYOUT, MINOR CHANGES SHOULD BE ANTICIPATED AS THESE IMAGES ARE TRANSLATED INTO CONSTRUCTION DOCUMENTS THAT WILL MORE ACCURATELY DEFINE THE BUILDING.

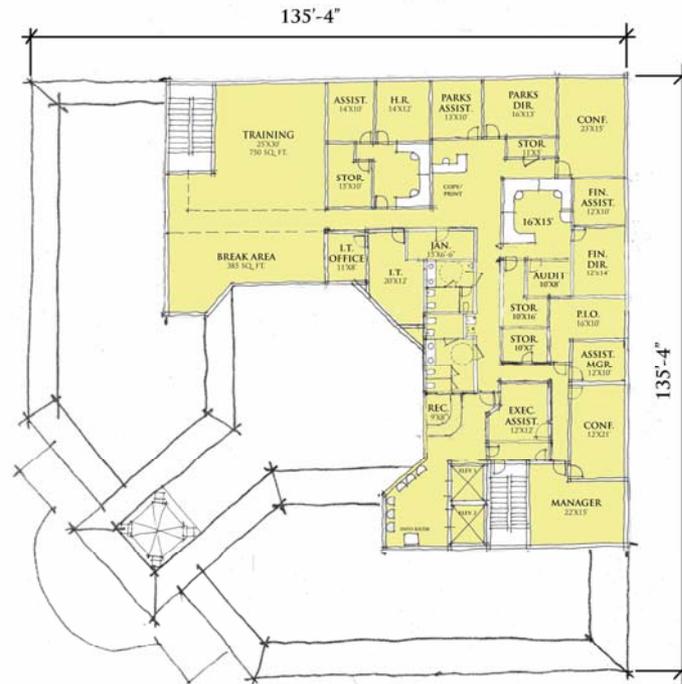


ARCHITECTS
 STEVEN L. BRIDGES, AIA
 JAMES E. WILLIAMS, AIA
 ROBERTO ACQUARDO, AIA

ARCHITECTS LICENSE
 WWW.JMW-ARCH.COM

- Continuing meetings with department directors to finalize space utilization and furniture placement

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2ND FLOOR: 7,733 SF (APPROX.)

CITY MANAGER DEPT. 1,363 SF (APPROX.)
 PARKS DEPT. 510 SF (APPROX.)
 FINANCE DEPT. 728 SF (APPROX.)
 HUMAN RESOURCES DEPT. 750 SF (APPROX.)
 I.T. & COMM. FUNCTIONS DEPT. 488 SF (APPROX.)
 TRAINING 790 SF (APPROX.)
 BREAK AREA/FUTURE 385 SF (APPROX.)



2nd Floor
 Scale: 1/8" = 1'-0"
PALMETTO BAY MUNICIPAL CENTER
 PALMETTO BAY, FL

#8714
 09-24-09



HELEN E. SMITH, AIA
 JAMES R. WILLIAMS, AIA
 ARCHITECTS/PLANNERS/DESIGNERS

www.jmwa.com

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Emergency Operations Center (EOC)



- Centralized Energy Management during an event.
- Information hub for local police, fire and rescue ops
- Post-Event community point, and emergency management for citizens

COLLIER COUNTY EMERGENCY SERVICES CENTER - Naples, Florida





- **TLC Engineering for Architecture**

- TLC has provided design services for over 30 Emergency Operations/Fusion Centers throughout the Southeast.
- The EOC also provides an operations room to coordinate major events and events that happen with little or no warning.
- FEMA approved EOC Building qualifies for federal reimbursement of some construction costs.

CAPE CORAL POLICE DEPARTMENT HEADQUARTERS - Cape Coral, Florida



NEW SMYRNA BEACH POLICE STATION - New Smyrna Beach, Florida

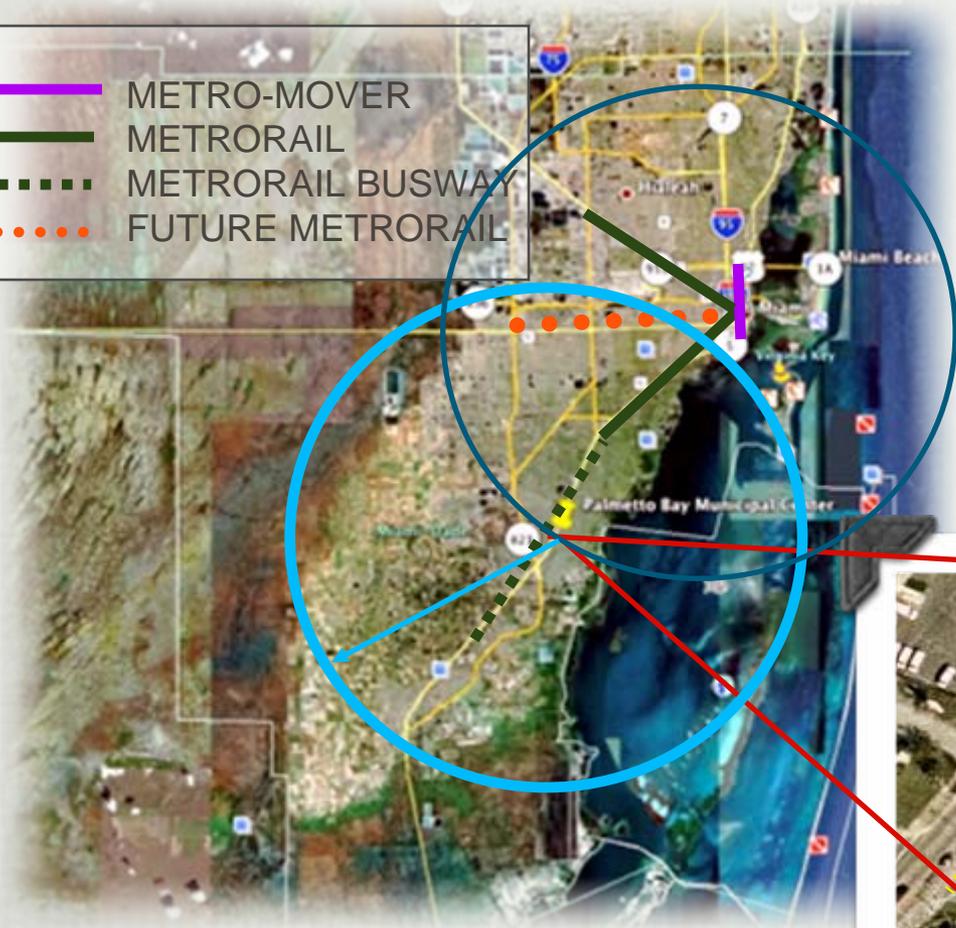


ST. LUCIE COUNTY SPECIAL NEEDS SHELTER - Ft. Pierce, Florida



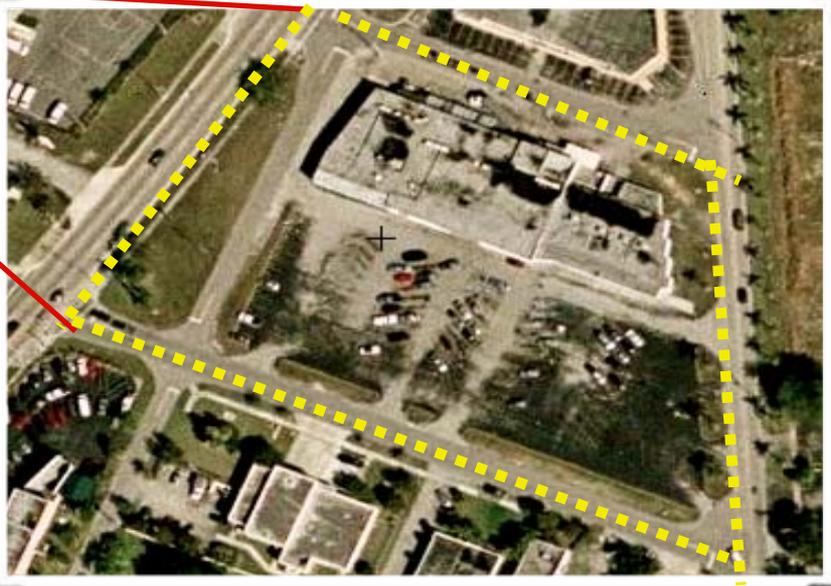
Community Visibility & Accessibility

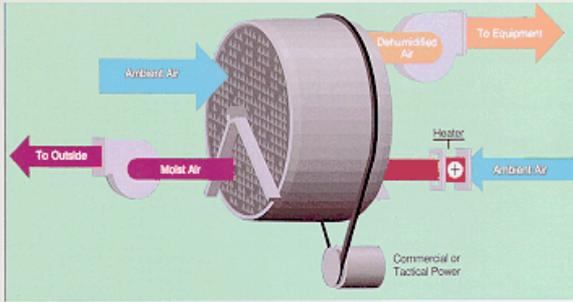
- METRO-MOVER
- METRORAIL
- METRORAIL BUSWAY
- FUTURE METRORAIL



- Village run Intra-Village Bus Service (I-Bus) to connect with bus way connection to Metro Rail Service
- Intra-city bicycle path hub for parks, schools & commercial areas
- Multi-modal Transportation Hub

- Re-Vitalization of Franjo Triangle and US1 Corridor





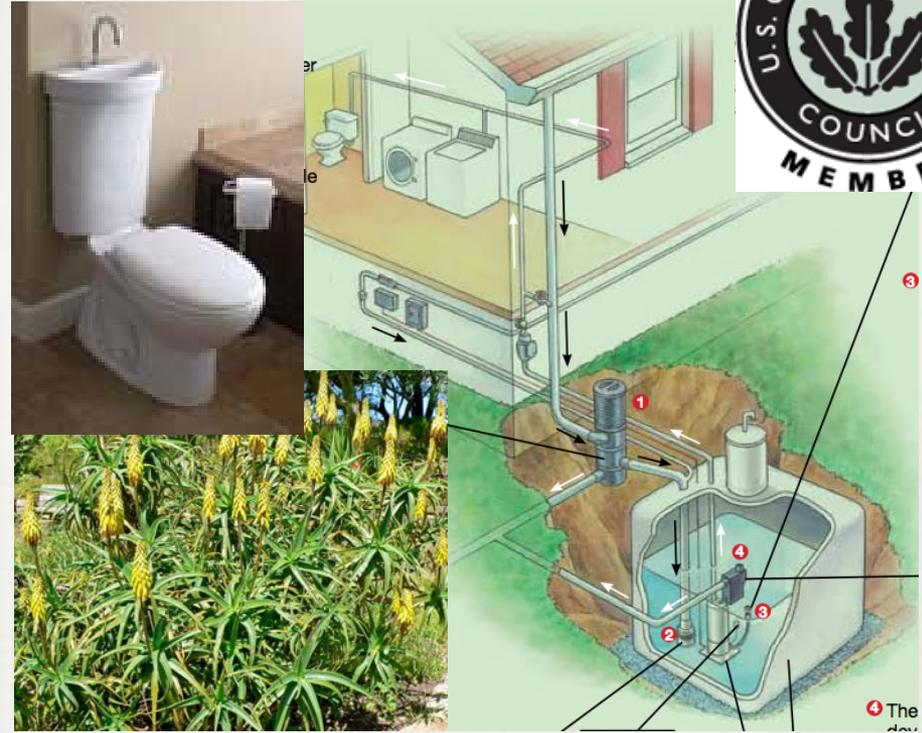
ENERGY



LIGHT

AIR QUALITY

REGIONAL MATERIALS



WATER CONSERVATION
AND RE-USE

REDUCED TRANSPORTATION



Sustainability and Green Features of Municipal Hall

- Energy Conservation and On-Site Production reduces energy costs
- Water Conservation and Quality reduces burden on sewer and storm water infrastructure
- Indoor Air Quality
reduces absenteeism
increases productivity
- Recycling and Materials
- Site and Landscaping

Energy Conservation

- Envelope Reduces Energy Consumption
- Daylight Harvesting in council room reduces HVAC load and Electrical costs
- Efficient Lighting design reduces utility cost
- VAV System reduces Fan Energy
- Efficient Plumbing Fixtures reduce water consumption by ~ 40%

LEED Gold

- Other LEED Gold Buildings

Energy Saving Features of LEED Gold Building

- HVAC
 - ERV System with FPL Rebate
 - Additional VAV Controls
 - Additional Thermostats
 - Building Management System

Energy Saving Features of LEED Gold Building Advanced Building Envelope to Reduce HVAC Load

- Insulation
 - Additional Roofing Insulation
 - Additional Wall Insulation
- Roofing
 - High Reflectivity Roofing Material
- Windows & Glass
 - Higher Performance & Higher Efficiency Glass
 - Interior Glass Doors for Natural Daylighting

Energy Saving Features of LEED Gold Building

- Lighting
 - Occupancy & Vacancy Controls
 - Lighting Control Board with Zone & Timer Controls
 - Advanced Low Wattage LED Lighting

Rainwater Collection & Re-Use



Schedule

Net Zero Energy Building