Design Commission Presentation

Operations & Maintenance Facility

June 16th, 2011
Sustainability Features

• LEED Silver Certification Minimum
  Certified: 40-49 pts
  Silver: 50-59 pts.
  Gold: 60-79 pts.
  Platinum: 80+ pts

Project Status: [Image of LEED rating scale]

• Extensive Stormwater Mitigation Features:
  full green roof, pervious paving

• Renewable Energy: Solar panel array

• Energy Efficiency: highly efficient heating system (variable refrigerant flow [VRF] and radiant flooring), daylighting to offset electric lighting, occupancy and daylighting sensors, natural ventilation

• Occupant Health and Comfort: natural daylighting, access to views, low to no-toxicity building materials

• Locally Sourced Materials

• Electric Car Charging Stations
OPERATIONS & MAINTENANCE FACILITY

Site Plan

NEW MAINTENANCE FACILITY
12,500 sq. ft. footprint
20,000 sq. ft. total

DEARBORN STREET

LANDSCAPING

Pervious pavers
Concrete

6TH AVENUE'S (VACATED RIGHT-OF-WAY)

7TH AVENUE'S

CHARLES STREET (VACATED RIGHT-OF-WAY)

EXISTING OFFICE BUILDING

EXISTING BUILDING (TIRE SHOP)
OPERATIONS & MAINTENANCE FACILITY

Building Program

- 2 vehicle positions with platforms for top of vehicle maintenance
- 1 vehicle position with maintenance pit and jacking capability
- Machine shop
- Support spaces including: Operations, Training, Breakroom, Battery Room, Parts Storage, Toilet/Locker Rooms

First Floor Plan – (12,942 sq. ft.)
OPERATIONS & MAINTENANCE FACILITY

Building Program

- 2 vehicle positions with platforms for top of vehicle maintenance
- 1 vehicle position with maintenance pit and jacking capability
- Machine shop
- Support spaces including: Operations, Training, Breakroom, Battery Room, Parts Storage, Toilet/Locker Rooms

Second Floor Plan - (7,278 sq. ft.)
OPERATIONS & MAINTENANCE FACILITY

Building Elevations

- Translucent panel system
- Smooth metal panel system
- Woven wire security screen
- Concrete retaining walls
- Solar Panels
- Heavy ribbed metal panels
- Metal Canopy
- Window system
- Metal guardrail
- Rain Cables
- South
- Woven wire security screen
- Concrete retaining walls
- West
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View looking Northeast along 7th Ave.
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View looking North Along 7th Ave.

• Undulations of the retaining wall
• Landscaping / Rainwater feature
• Public entry ramp
• View to the shop interior
• Open railing
• Entry plaza
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Building Model