West Seattle
FIRE STATION 32
Replacement Project

Seattle Design Commission Meeting 3
Design Development

Presented by
Bohlin Cywinski Jackson
May 1, 2014
**CLIENT**

City of Seattle  
Dept. of Finance and Administrative Services  
700 5th Ave., Suite 5200  
PO Box 94280  
Seattle WA 98124-4689

David Kunselman, Fire Levy Administrator  
Mark Nakagawa, Senior Project Manager  
Chief Michael H. Walsh, Battalion Chief, Retired

**Seattle Fire Department**  
Chief Charles Corzona, Deputy Fire Chief  
Chief William Hapburn, Deputy Fire Chief  
Lt. Jared Fieldis, Station Representative  
Sean Plattner, Station Representative  
Michael Mann, Station Representative

**DESIGN TEAM**

**Architect**  
Bohlin Cywinski Jackson  
1982 First Avenue, Suite 916  
Seattle, WA 98101

Peter Bohlin, FAIA, Lead Designer  
Robert Miller, FAIA, LEED AP, Principal in Charge  
Mark Adorno, AIA, LEED AP, Project Manager  
Emma Nowinski, LEED AP, Project Architect

**Civil**  
Coughlin Porter Lundeen  
413 Pine Street, Suite 300  
Seattle WA 98101  
Alen Jacobson, PE, Associate Principal  
Bart Baiko, PE, Project Manager

**Landscape**  
Swatt Company  
3131 Western Avenue, Suite M423  
Seattle WA 98121  
Alison Maitland Scheetz, Project Manager

**Structural**  
POC Structural Solutions  
811 First Avenue, Suite 510  
Seattle WA 98104  
Craig D. Stauffer, PE, President  
Bob Copeland, PE, Project Manager

**Mechanical**  
Hargis  
300 Stewart Street, Suite 1000  
Seattle WA 98101  
Vernon Erns, Senior Associate

**Electrical**  
Travis Fitzmaurice & Associates  
1200 Westlake Avenue N, Suite 509  
Seattle WA 98109  
Kevin Wartelle, Principal

**Alerting Systems**  
Tetra Tech  
19803 North Creek Parkway  
Bothell WA 98011  
John Rice, St. Electrical Engineer

**Sustainability**  
Brightworks  
412 NW Couch Street, Suite 202  
Portland OR 97209  
Joshua Hatch, Sustainability Advisor  
Sustainable Design Lib  
100 NE Northlake Way, Suite 100  
Seattle WA 98105  
Joel Loveland, Director  
Christopher Meek, Daylighting Specialist

**Energy Modeling and Daylighting**  
Soltec Engineering  
223 West 12th Avenue  
Eugene, OR 97401  
Michael Hatfield, Principal  
Eric Knowles

**Fire Station Consultant**  
TCA Architecture and Planning  
6211 Roosevelt Way NE  
Seattle WA 98115  
Brian Harris, Principal

**Reenery Consultant**  
RDH Building Sciences  
2101 N 34th Street, Suite 150  
Seattle WA 98103  
Michael Aoki-Kramer, Principal

**Cost**  
Robinson Company  
101 Stewart Street, Suite 925  
Seattle WA 98101  
Sharon Kennedy, Chief Estimator  
Dan Cassidy, Project Manager

**Artist**  
Sean Orlando  
Engineered Art Works  
1422 Glenfield Avenue  
Oakland CA 94602  

**Seattle Office of Arts & Cultural Affairs**  
Marilyn Iwasaki, Public Art Program

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**PROJECT TEAM**

**Envelope Consultant**

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**FIRE STATION 32**  
Bohlin Cywinski Jackson  
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May 1, 2014
SDC SCHEMATIC DESIGN RECOMMENDATIONS

1. Soften the hard-scape around the public entry on 38th Ave SW.
2. Explore differentiating pavement textures to visualize pedestrian routes on the front ramp.
3. Study daylighting options for the basement training area.
4. Be sure the PV rooftop panels are not shaded and are a cost-effective element.
SDC SCHEMATIC DESIGN RECOMMENDATIONS

5. Resolve the massing of the east part of the building, aligning and optimizing programming while harmonizing the building elements. This side of the building along the alley is visible from SW Alaska St and, instead of appearing to be back-of-house, should allow room for the public to engage with firefighters.

6. Ensure the street trees provide transparency into the building along SW Alaska St.

7. Consider paving options or soft treatment buffers at the rear apron and sidewalk along SW Alaska St to improve this area of the design.
**LEED**

- Required Certification: Gold 60-79 Points
- Target Certification: Platinum 80+ Points
- Anticipated LEED Credits: 79-86 Points

**SUSTAINABILITY STRATEGIES**

**ENERGY**
- Highly insulated building envelope
- High performance glazing
- Passive ventilation for hose drying
- Thermal mass
- Daylighting of occupied spaces
- Lighting and power outlet controls
- High efficiency HVAC system with energy recovery
- High efficiency appliances
- Solar thermal domestic water heating
- Ready for future photovoltaic energy production

**WATER**
- Low-flow plumbing fixtures
- Drought-tolerant, native vegetation

**SITE AND NEIGHBORHOOD**
- Green roofs
- Street trees and low planting
- Electric car charging station

**MATERIALS**
- Durable, low-maintenance materials
- Low-VOC finishes
- Sustainably harvested wood products
- Red list material awareness
- Construction material reuse
"Engine 32 1/2"
West Seattle Fire Station 32
Public Art Concept
Type 1 - Pre-Finished Shingled Metal Cladding

Type 2A - Flush Face Metal Panel System with Micro Ribs

Type 2B - Flush Face Metal Panel System with Smooth Face

Type 3A - Pre-Finished Aluminum Plate Cladding with Exposed Fasteners