

#### **Fire Station #21**

7304 Greenwood Avenue N

Neighborhood I Station

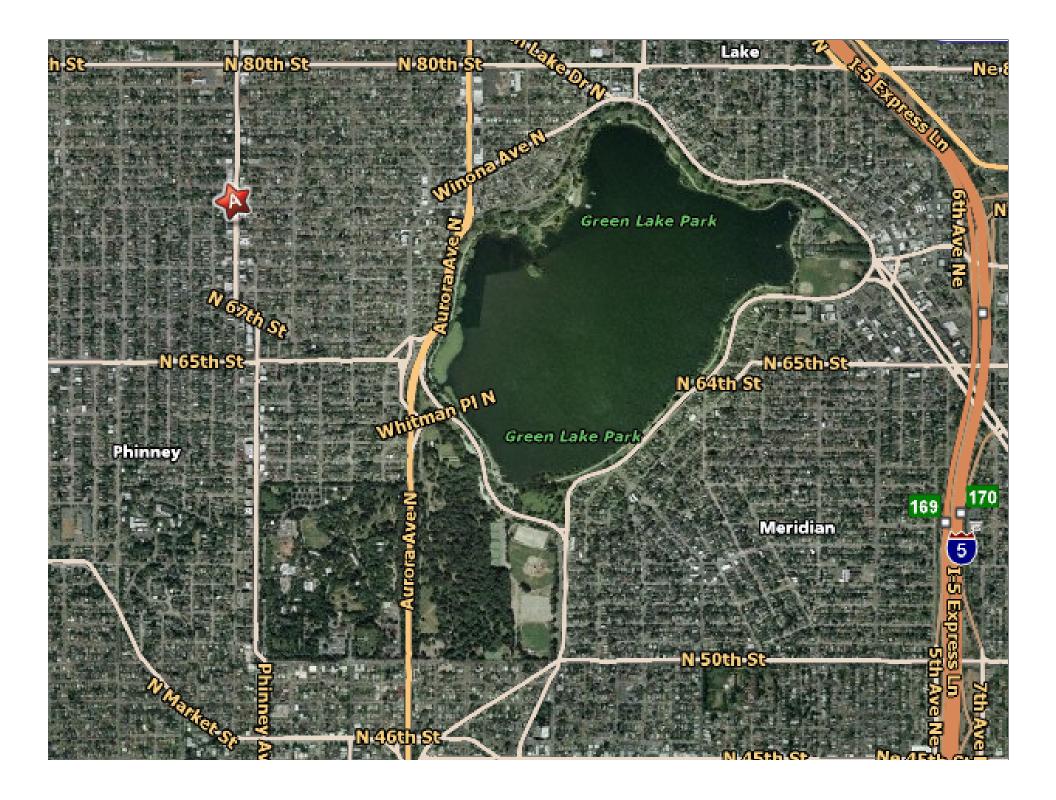
FS21 houses one engine company and the Department's Mass Casualty Unit

The existing station is obsolete and not suited for renovation due to its age (built in 1951), code deficiencies and outdated systems.

FS21 will be rebuilt in the same location but on an expanded site.

Program calls for approximately 9000sf.

An interim facility will be provided during construction to ensure continued emergency service to the neighborhood.





## project **SITE**

FS#21 GREENWOOD :: NEIGHBORHOOD 1

**AREA:** +/- 9000 SQ FT

**ZONING:** NC2P-40, NEIGHBORHOOD COMMERCIAL

#### project **OBSERVATIONS**

- SLOPING SITE SECTION PROVIDES OPPORTUNITIES
  - DRIVE THRU LAYOUT MAY NOT BE POSSIBLE
  - STATION MEDIATES RETAIL/ RESIDENTIAL EDGE

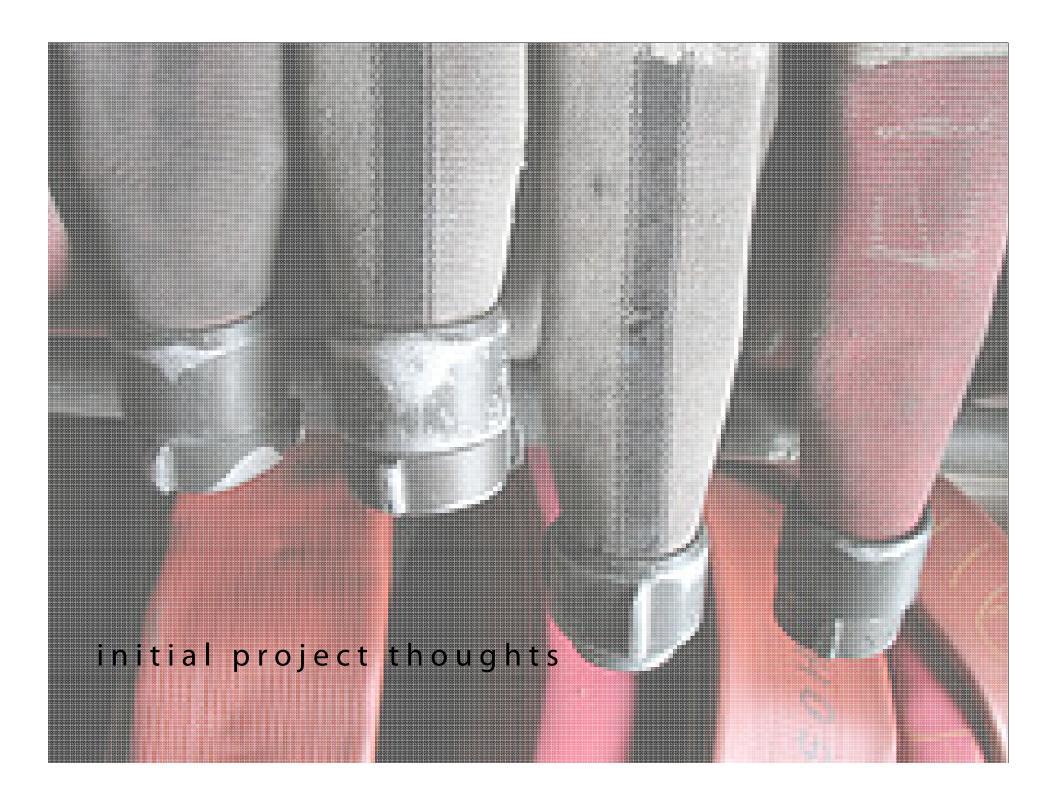
#### land use **ANALYSIS**

- FS USE NOT PERMITTED AT STREET LEVEL
- PROPERTY LINE SETBACKS MAY IMPACT FORM
  - SUBJECT TO GREEN FACTOR REQUIREMENTS



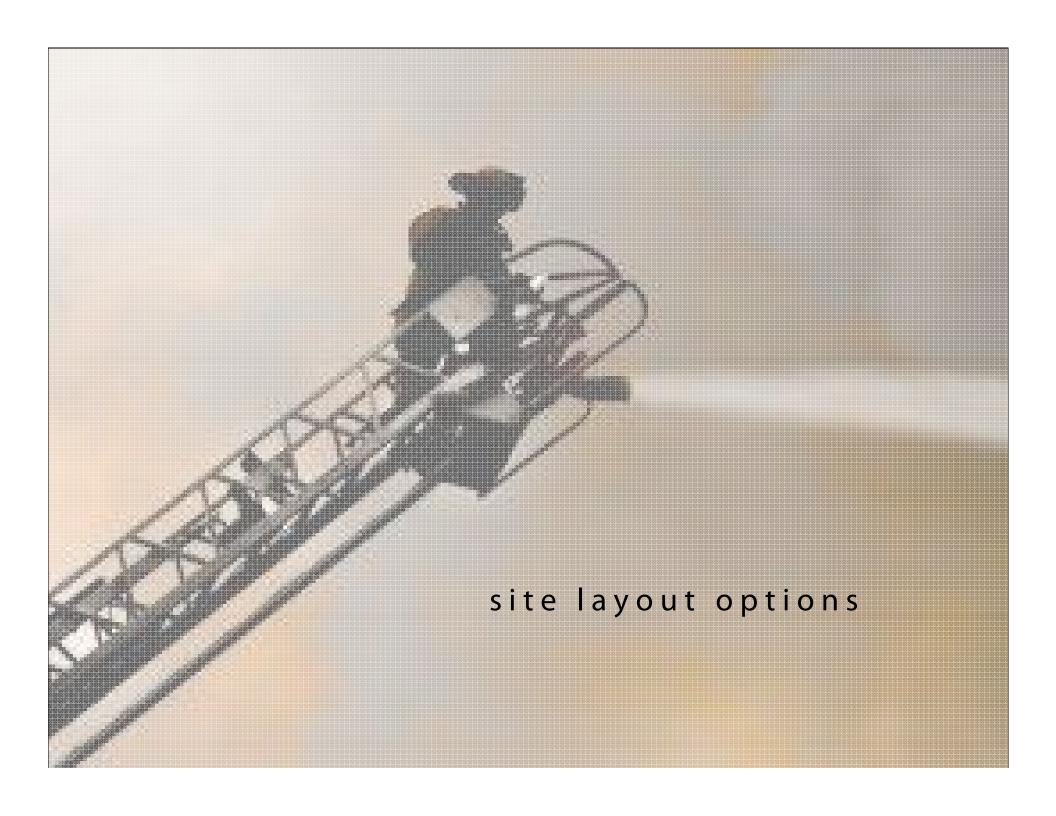






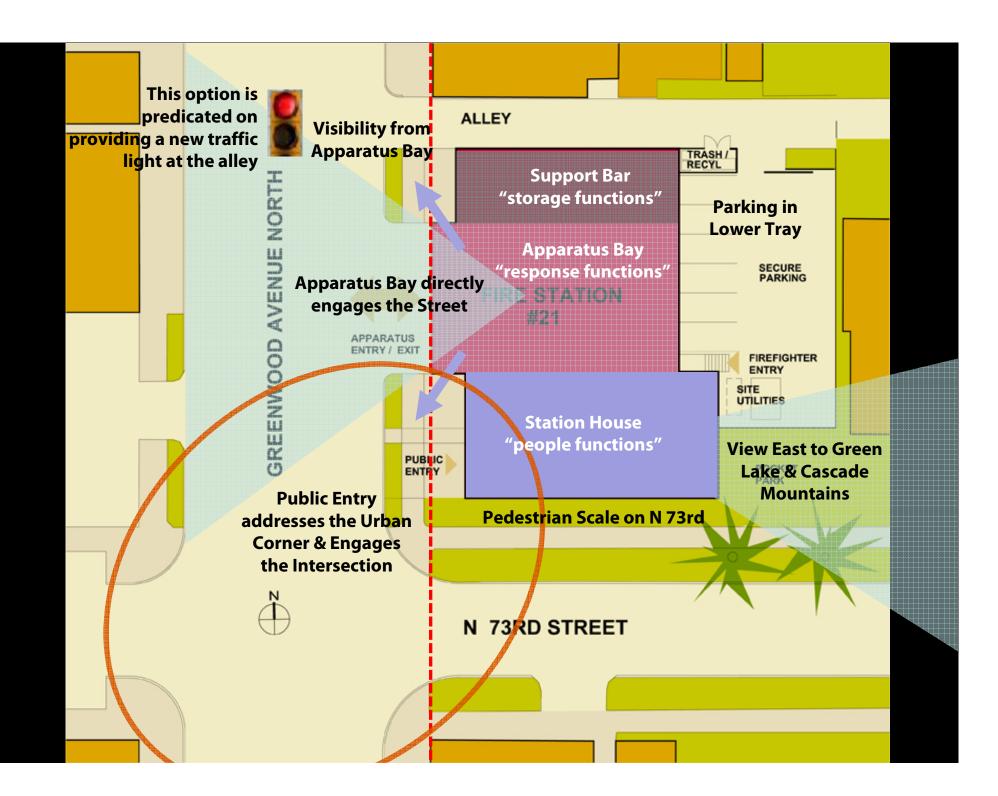


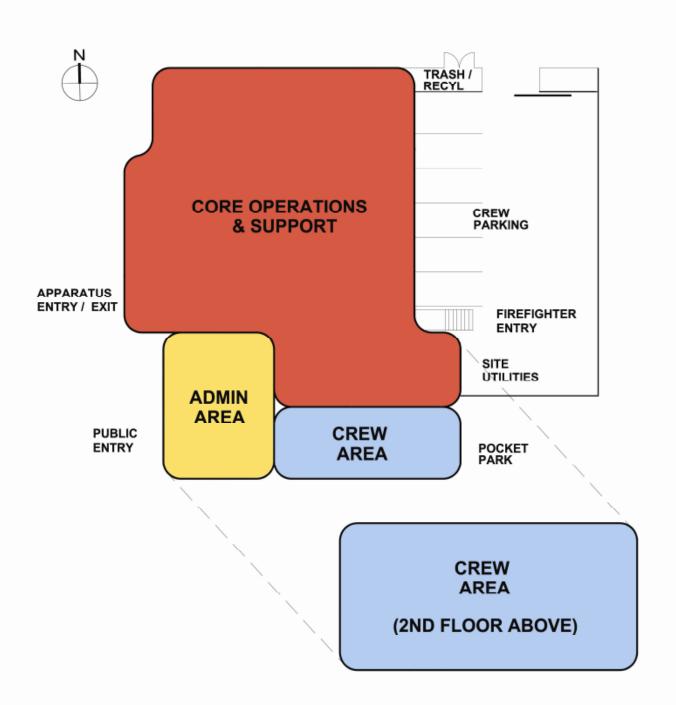


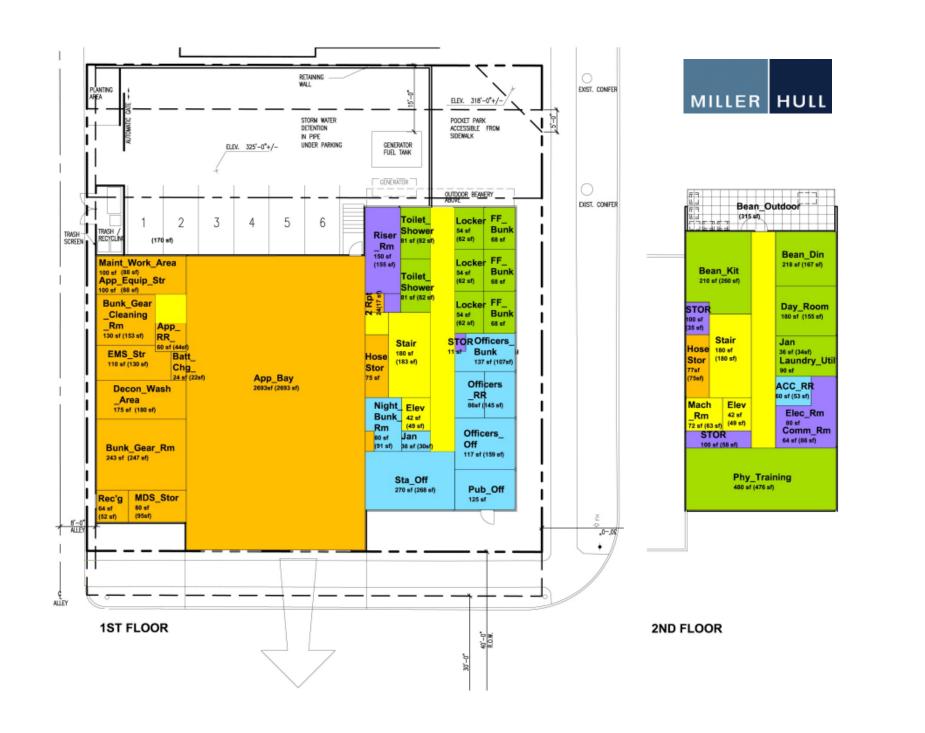


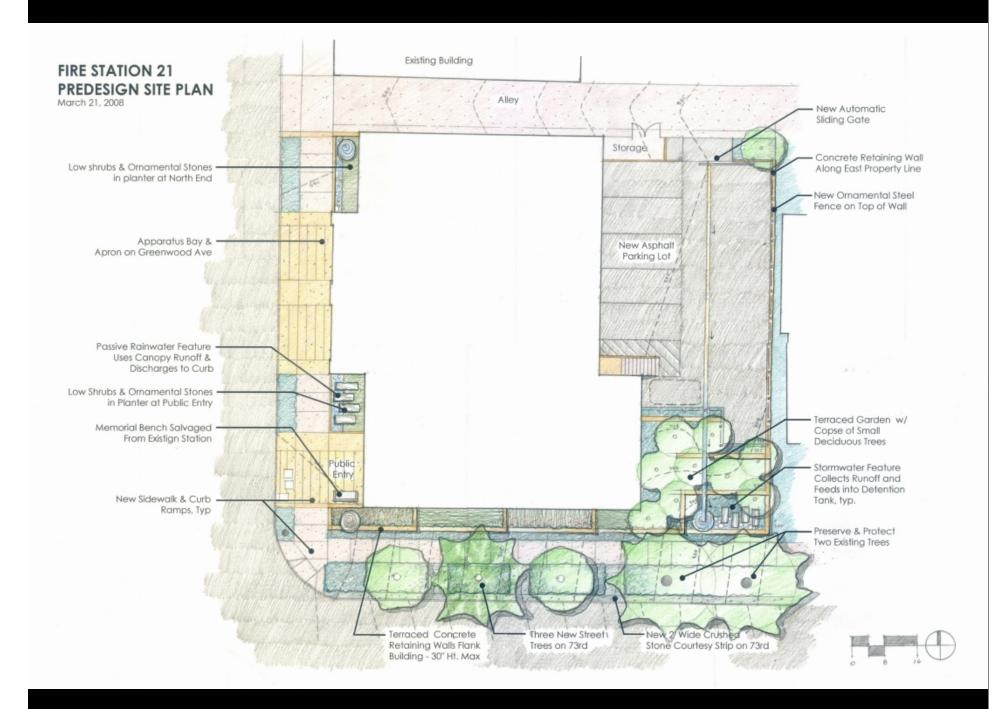




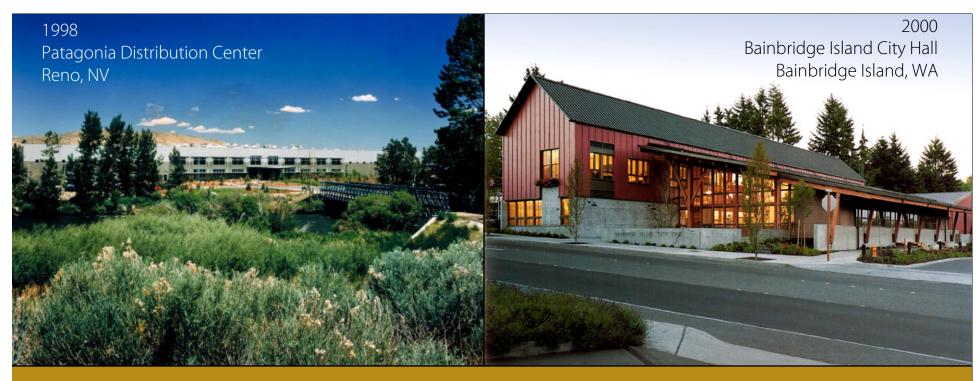








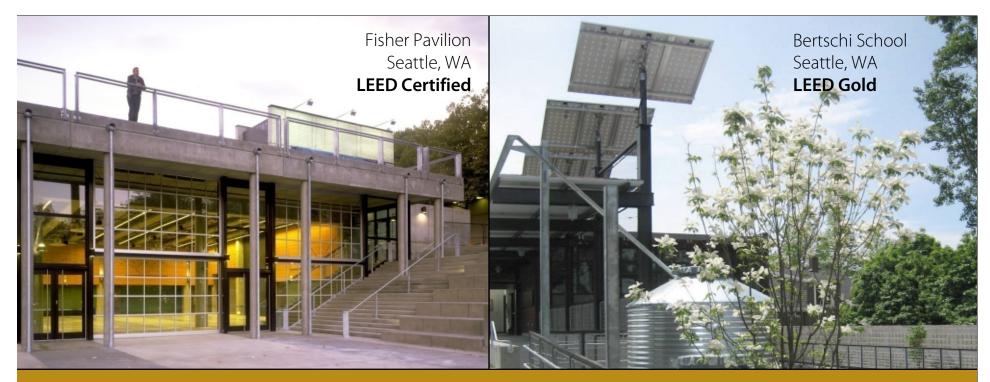




## National AIA Top Ten Earth Day Awards





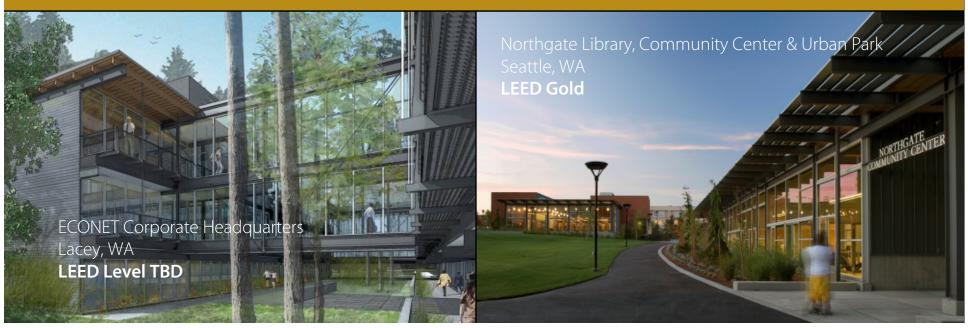


# LEED<sup>TM</sup> Certified Projects





### LEED<sup>TM</sup> Projects – in design or waiting for certification

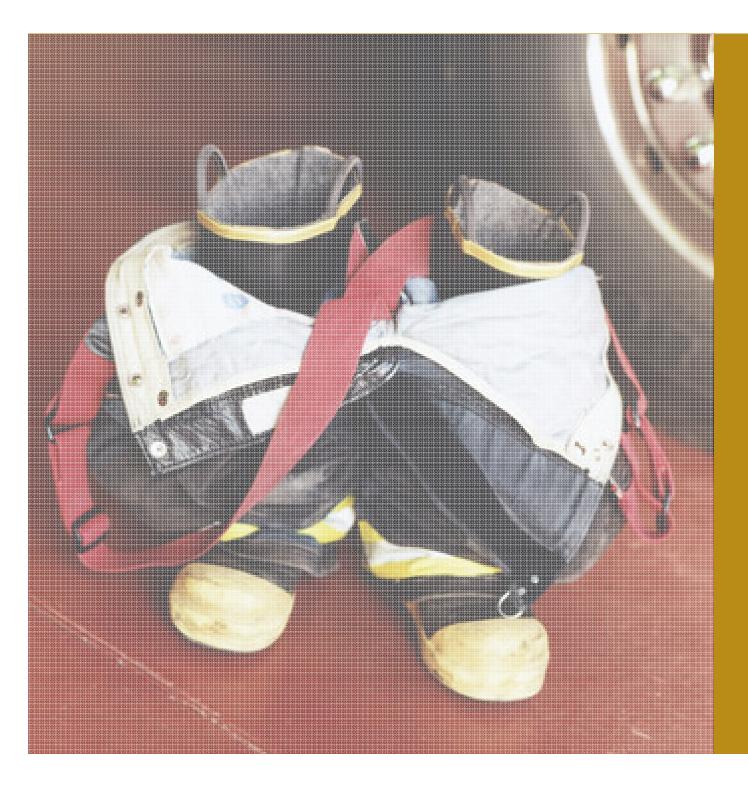




#### LEED-NC Version 2.2 Registered Project Checklist

Fire Station 39 Seattle, WA

Yes 7 No Team GBC 12 1 1 Sustainable Sites Credit 5.2 Regional Materials, 20% Extracted, Processed & Manufactured Region Arch/Lndscp Arch Rapidly Renewable Materials Arch Construction Activity Pollution Prevention Required Prereg 1 Arch 1 Credit 7 Certified Wood Arch Credit 1 Site Selection Yes 7 No Arch **Development Density & Community Connectivity** Team GBC 11 2 2 Indoor Environmental Quality Credit 3 Brownfield Redevelopment Arch Alternative Transportation, Public Transportation Access Minimum IAQ Performance Mech Required Arch Credit 4.2 Alternative Transportation, Bicycle Storage & Changing Rooms FFD Environmental Tobacco Smoke (ETS) Control Required Arch Credit 4.3 Alternative Transportation, Low-Emitting and Fuel-Efficient Vehicles Outdoor Air Delivery Monitoring Arch Credit 4.4 Alternative Transportation, Parking Capacity Arch/Mech Increased Ventilation ndscap Site Development, Protect of Restore Habitat Arch/FFD Credit 3.1 Construction IAQ Management Plan, During Construction Arch 1 Credit 5.2 Site Development, Maximize Open Space Arch/FFD Credit 3.2 Construction IAQ Management Plan, Before Occupancy Civil Credit 6.1 Stormwater Design, Quantity Control Arch Credit 4.1 Low-Emitting Materials, Adhesives & Sealants Credit 6.2 Stormwater Design, Quality Control Civil Arch Credit 4.2 Low-Emitting Materials, Paints & Coatings Livit Credit 7.1 Heat Island Effect, Non-Roof Arch Credit 4.3 Low-Emitting Materials, Carpet Systems Arch Credit 7.2 Heat Island Effect, Roof Arch/Struct Credit 4.4 Low-Emitting Materials, Composite Wood & Agrifiber Products Elec Credit 8 Light Pollution Reduction Indoor Chemical & Pollutant Source Control Yes 7 No lec Credit 6.1 Controllability of Systems, Lighting Team GBC 2 2 1 Water Efficiency /lech Credit 6.2 Controllability of Systems, Thermal Comfort /lech Credit 7.1 Thermal Comfort, Design Credit 1.1 Water Efficient Landscaping, Reduce by 50% Lndscap Mech/Arch/FFD Credit 7.2 Thermal Comfort, Verification Credit 1.2 Water Efficient Landscaping, No Potable Use or No Irrigation Lndscap Arch 1 Credit 8.1 Daylight & Views, Daylight 75% of Spaces Innovative Wastewater Technologies Arch Credit 8.2 Daylight & Views, Views for 90% of Spaces Mech Credit 3.1 Water Use Reduction, 20% Reduction Credit 3.2 Water Use Reduction, 30% Reduction Mech GBC 2 2 1 Innovation & Design Process Yes 7 No Team GBC 5 2 10 Energy & Atmosphere /lech Credit 1.1 Innovation in Design: VRV First Use Seattle Credit 1.2 Innovation in Design: Rainwater Harvesting livi х FFD Fundamental Commissioning of the Building Energy Systems Required ndscp Credit 1.3 Innovation in Design: Rain garden х Mech Minimum Energy Performance Required Credit 1.4 Innovation in Design: Provide Specific Title Mech Fundamental Refrigerant Management Required Credit 2 LEED® Accredited Professional Mech Optimize Energy Performance 1 to 10 Credit 1 Yes 7 No Credit 2 On-Site Renewable Energy 1 to 3 38 12 19 Project Totals (pre-certification estimates) 69 Points FFD Credit 3 **Enhanced Commissioning** Credit 4 Enhanced Refrigerant Management Certified 26-32 points Silver 33-38 points Gold 39-51 points Platinum 52-69 points Mech Measurement & Verification FFD Credit 6 Green Power **Fire Station 39** Yes ? No Certified: 26-32 credits Team GBC 6 3 4 Materials & Resources 38 Credits Silver 33-38 credits Arch Storage & Collection of Recyclables per update Credit 1.1 Building Reuse, Maintain 75% of Existing Walls, Floors & Roof Gold: 39-51 credits Credit 1.2 Building Reuse, Maintain 95% of Existing Walls, Floors & Roof at Mid-DD Phase Credit 1.3 Building Reuse, Maintain 50% of Interior Non-Structural Elements Platinum: 52-69 credits Arch Construction Waste Management, Divert 50% from Disposal 40-41 Credits Arch Credit 2.2 Construction Waste Management, Divert 75% from Disposal Arch Credit 3.1 Materials Reuse, 5% with rainwater harvesting for Credit 3.2 Materials Reuse, 10% Arch/Struct Credit 4.1 Recycled Content, 10% (post-consumer + 1/2 pre-consumer) toilet flushing Arch/Struct Credit 42 Recycled Content, 20% (post-consumer + 1/2 pre-consumer) Arch/Lndscp Credit 5.1 Regional Materials, 10% Extracted, Processed & Manufactured Regio 1



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