

**PROJECT TEAM:**

Richard Shugar, A.I.A.  
Gabriel Greiner, A.I.A.

**Landscape Architect:**

Schirmer + Associates

**Structural Engineer:**

BMGP Engineering

**Contractor:**

Essex General Construction

**Overall Project Size:**

10,688 s.f.

The Coho Townhouse project is a high density, infill project located in the West University District. This student-housing development consists of nine 3-story buildings that are situated to create a common courtyard. The key objective of this project was to create quality spaces that encourage a sustainable lifestyle.

The carbon footprint of this development is minimized through the integration of solar panels on the roof, which deliver electricity to the units. All of the stormwater runoff is treated on site, thus reducing the load on the municipal systems. Limited on site car parking is available, however, extensive covered lockable bicycle parking is provided to support and encourage pedestrian modes of transportation.

Material choices were made to emphasize sustainability, low maintenance costs and durability. Examples of this include the corrugated metal and cement fiber board sidings on the exterior, and the granite countertops found inside.

The townhouse units are arranged around a community courtyard designed to encourage social interaction among the tenants, however, not at the expense of privacy within the units. The arrangement of windows in the angled bays along the facades provides each bedroom with ample daylight without overlapping views to or from other units. The Coho Townhouses are intended to provide students with a higher-quality housing option that facilitates a lower-impact lifestyle.



**PROJECT TEAM:**

Richard Shugar, A.I.A.  
Michael Soraci, Associate A.I.A., LEED  
Jenna Fribley, Associate A.I.A.

**Landscape Architect:**

LandCurrent

**Structural Engineer:**

K & A Engineering

**Contractor:**

Dennis Coduti Construction

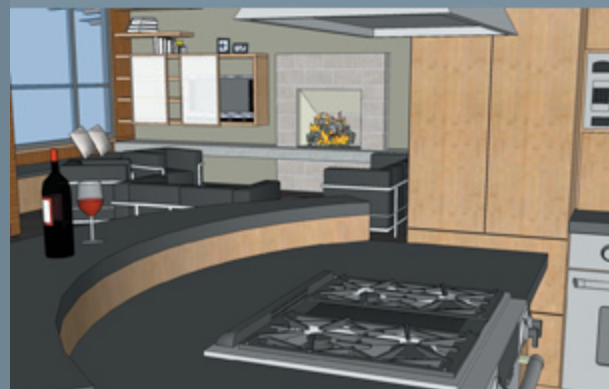
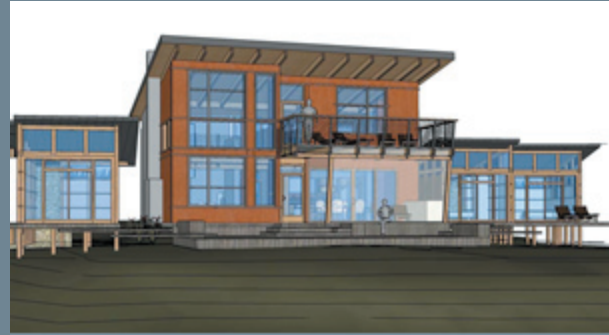
**Square Footage:**

2,742 s.f.

Eagle Rock Retreat was designed with many sustainable features, notably, the cistern which harvests rainwater and is used for flushing toilets. The buildings face south to maximize daylighting and passive heating in the winter. We are treading 'lightly on the land' by using a pier foundation under most of the house. All the spaces have radiant floor heat, and there is no HVAC cooling system, instead relying on a series of windows which, when opened, will cool the spaces in summer by venting hot air out of the building.

Materials were chosen for their durability and longevity: concrete block and polished concrete floors, and Eagle™ Brand wood-clad fiberglass windows. SIPs were used on the roof to increase the insulation and to reduce construction time and waste.

The old house on the property was deconstructed, and beams from that structure are being re-used in the new home. In addition, all the appliances from the old house were donated to a family whose home burned down. Though the home is located in a forest, it was sited in such a way to save as many trees as possible.



**PROJECT TEAM:**

Edward I. Waterbury A.I.A.  
 Richard Shugar, A.I.A.  
 Mariko Blessing, Assoc. A.I.A.  
 Vale Larson Brasted, Assoc. A.I.A.

**Landscape Architect:**

David Dougherty, DLA Inc.

**Structural Engineer:**

M.R. Richards Engineering

**Developer & Contractor:**

Rainbow Valley Design and Construction

**Townhouse Size:**

2060 s.f. each

Sustainability was the central theme for this project. Density, natural light, ventilation, conservation, and green materials were the major components for the rowhouses. These strategies are instrumental in the project receiving the L.E.E.D.- H Silver certification for homes.

The rowhouses were designed to be the first phase of a larger, medium density residential development. Their design is meant to blend in with the character and scale of the historic Fairmount neighborhood. Each unit has a complementing garage with a second level studio above, framing an outdoor garden space. Making the most of the small parcels, access to the garages is from an alleyway which gives the small lots a more spacious feeling.

This project was certified with a LEEDtm Silver Rating from the U.S. Green Building Council in 2006.

Awarded First Place for Residential Architecture in the A.I.A. People's Choice Awards in 2006.



**PROJECT TEAM:**

Richard Shugar A.I.A.  
Mariko Blessing Associate A.I.A.  
Shane McCloskey Associate A.I.A.

**Landscape Architect:**

Schirmer + Associates

**Structural Engineer:**

BMGP Engineering

**Contractor:**

Essex General Construction

**Overall Project Size:**

8,500 s.f.

The Steelhead Townhouses are located in the West University neighborhood. The nine 3-story units are tucked into a deep, narrow lot. The bedroom bay windows form folding pleats along the facades of the building; these pleats fill the bedrooms with natural light while providing views beyond the property's edges.

Steelhead incorporates photovoltaic panels which supply electricity to the units, and also treats the stormwater runoff on site, which helps the municipal system during times of heavy rainfall.

The materials chosen for the building are long-lasting, durable and beautiful. There are granite countertops in the kitchens, corrugated metal and cement fiber siding on the exterior; all were chosen with long life in mind.

