

## 2013 Wood Design Awards - Project Fact Sheet

### The Urban Longhan Longhouse (WRC)

Location: **North Vancouver**

Height	Size		Completion	Construction Budget
3	2,500	232	2012-06	\$550,000
Storeys	sq ft	sq M	Date	\$ Cdn

#### Project Description:

The clients for this project were both raised in small towns in British Columbia that are, or have been, centered on the forest industry. The forested settings of these towns provided a basis for a love of the outdoors as well as future occupations in the forest and construction industries. So it was important to them that the essence of their backgrounds be reflected in their home.

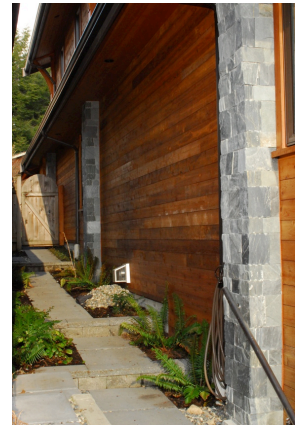
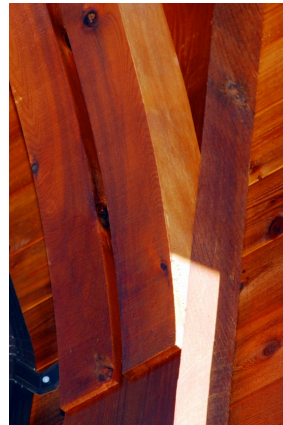
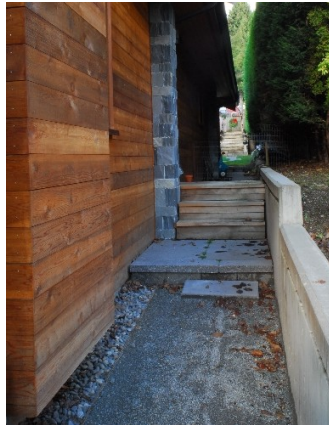
The clients like to entertain, so it was also important to create various gathering spaces for friends and family. Thus the concept of The Urban Longhouse was born. This house replaced one that was closing in on 100 years old, as many in the neighborhood are. The site is a 25'-0" wide city lot so programming was limited to a linear design with a maximum building width of 15.0'. The resulting building is long and narrow; however, by adding vertical stone elements to the horizontal cedar siding, the length was visually reduced.

The base building was traditionally framed with 2x4 studs and prefabricated wood trusses. The front and rear patios were framed with exposed heavy solid timbers. Various wood species (in particular Douglas Fir and Western red Cedar) and the associated finishes were chosen to reflect the design concept of The Urban Longhouse. It was significant to the clients that materials local to British Columbia were used. These included:

- Western Red Cedar used for the siding and roof braces,
- solid Douglas Fir beams and posts custom cut from a small mill in Squamish,
- exterior stone accents from a quarry on Vancouver Island,
- cedar deck boards from the former house were reused on the new front porch, second floor deck and side entry stairs and landing,
- the hardwood floor on the main floor is 100 year old Douglas Fir flooring that came out of nearby Ridgeway Elementary School when it was renovated in 2010
- pine used as soffit material One significant interior feature is the floating wood stair between the main and second floor.

It is constructed of solid straight grain Douglas Fir and hung off the wood frame structure within the exterior wall. The stair is separated from the hallway by a vertical wood slat screen, also constructed of straight grain Douglas Fir. The openness of the screen allows light through to the stair as well as opens up the interior space so that one is unaware the house is so narrow. Other interior features of wood include:

#### Project Images



#### Where the Wood Was Used:

Primary Structural System	Columns, Beams & Braces	y
	Floor Structure	y
	Exterior Walls	y
	Foundation	
	Shear Walls	y
	Bearing Walls	y
	Fire Walls	
	Roof Structure (inc. columns and braces)	y
	Stairway & Elevator Shafts	y
	Convenience Stairs	y
Secondary Structure	Entrances & Canopies	y
	Fire Separations	
	Enclosures for Mechanical Equipment	

Architectural	Partitions (interior)	y
	Exterior Curtain Walls	
	Ceilings	y
	Exterior Cladding	y
	Parapets	y
	Ceiling Bulkheads	y
	Flooring	y
	Doors	y
	Windows	y
	Skylights	
	Trim, Paneling & Features	y
	Millwork	y
	Wall and Corner Guards	
	Other Architectural Woodwork	y
	Hard Landscaping & Structures	y
	Perimeter Fencing	

Building Project Team Members:

Zimba Design		
Other	Pam Chilton	
Vancouver	pam@zimba.ca	604-803-5532

CA Boom Engineering (1985)		
Engineer	Eric Steffenson	
North Vancouver	caboom@shaw.ca	604-986-4775

Photo		
Photographer	Phil Hietanen	
Surrey	hietanenphoto@gmail.com	604-599-6002


Delta Sierra Construction & Millwork Ltd.		
Contractor	Doug Chilton	
Vancouver		604-215-3335

McKell Landscape Design		
Other	Shirley McKell	
North Vancouver	mckell@shaw.ca	604-986-3482

