

# FACT SHEET

6618 Cedar Grove Lane  
Whistler's First Rammed Earth House

## RAMMED EARTH FOUNDATION WALLS

- One of lowest environmental impact building systems commercially available today
- Composed of 6 natural materials: sand, aggregate, water, 10% Portland Cement, Roxul natural insulation and non-toxic sealant
- 18" thick wall with 5" insulation in the middle
- High energy efficiency
- Incredibly durable requiring very low maintenance

## STRUCTURE & FRAMING

- Reclaimed standing dead Douglas Fir harvested from the interior of BC and milled just north of Whistler in Lilloett

## SYSTEMS

- Home comfort is achieved through high, airtight insulation values R42 2lb Polar Foam in the roof; R23 Roxul Natural insulation in the Rammed Earth walls and R26 ½ lb Icynene foam in the wood framed walls.
- A ventilation/heat recovery system that is designed to dramatically reduce heating and cooling costs. Of course, the amount of savings depends on the lifestyle of the home owner.
- A grey water heat recovery system that is set up for grey water recycling.

## BUILDING ENVELOPE

- Exceptionally high performing, resulting in excellent energy efficiencies, indoor air quality and greater living comfort.
- The home will be certified as R2000 and Built Green™ Platinum. Whistler's Rammed Earth House will be one of the highest rated homes in North America.
- The home's airtight building envelope has achieved a rating of 1.1 air changes per hour. The air change per rate is a measurement of how energy efficient the home is. Conversely, a code built home is less efficient and ranges between 5 to 10 air changes per hour.
- Rainstone siding panels: a product fabricated from 60% consumer paper waste; sourced from Seattle area; UV coating

## WINDOWS

- Triple paned on the north side of house; double paned on the south side
- Window casings fabricated from fibreglass. Tightest windows tested for air leakage to date.
- Panes are Low E and are Argon gas filled to maximize the thermal performance of the windows

## GREEN FEATURES

- Passive solar design
- Re-claimed materials: Carrera marble, driveway pavers, standing dead Douglas Fir timber
- Paperstone in the kitchen, Rainstone on exterior from recycled consumer paper waste
- Triple paned fibreglass windows
- Polished concrete floors with in floor hydronic heat
- Paint, stains and construction materials with zero volatile organic compounds
- High performing luxury appliances with the best/lowest energy requirements
- Most materials sourced from within a 500 mile radius