



# WOODMAN'S GROVE RESIDENCES

## POLYCORP's Green Commitment – Green and Healthy Living

POLYCORP believes that we have a duty to minimize our footprint on earth during our lives.

POLYCORP is proud to provide centralized radiant floor heating and cooling from a GEOTHERMAL heat pump system installed for the Woodman's Grove Residences complexes. The geothermal ground source system combined with other green features in the development will help minimize our footprint on Mother Earth while providing year round comfort to residents.

### **Central Geothermal Heating System uses 25%-33% of normal energy consumption.**

- Provides radiant floor heating & cooling
- Year round domestic hot water heating

### **Rain Water Recycling**

- Toilets use recycled rain water to minimize water consumption & usage of our natural water aquifer.

### **Triple Glazed Windows and Doors**

- Reduce winter heat loss and summer heat gain through triple glazed window and door glass with Low E and argon protection.
- Triple glazing provides additional acoustic privacy.

### **Awning Style Windows and Doors**

- Awning windows with superior hardware ensure a tight seal to prevent air infiltration and heat loss.

### **Attic Insulation**

- High density polyurethane spray insulation provides superior insulation and air tightness.

### **High Efficiency ERV – Energy Recovery Ventilation Unit**

- Ensures steady supply of mechanically controlled fresh air ventilation to suites.

### **ICF – Insulating Concrete Form – exterior walls**

- Air tight insulation
- R50 effective insulation value
- no exterior wall cavity to support mold and mildew growth.

### **Concrete and Steel Structure**

- Minimal wood used in construction.
- Longer life of building provides longer functional life to reduce environmental impact over lifespan of building.

### **Lighting**

- *Common Areas:* night time set backs
- *Parkade:* High efficiency T-8 fluorescent fixtures controlled by occupancy sensors.
- *Suites:* 100% compact fluorescent light fixtures and bulbs to minimize residents' individually billed electricity.

### **Laundry-front loading washing machines**

- Front loading clothes washers use about half the water and energy used by conventional washers. This saves energy consumption for central hot water heating equipment and reduces residents' electrical consumption by using less energy to run the washer and dryer.

### **Water Conservation**

- Low flow toilets: 6.0 litre water saver.
- Low flow shower heads

