

Building Design Features

Buildings will be designed with:

- Highly energy efficient wall panel systems
- Exterior insulation
- Durable building materials
- Highly energy efficient window systems
- Controlled venting capabilities
- Natural air flow and cooling throughout all levels
- Locally sourced natural materials wherever possible to be specified
- Tall windows allowing natural light deep into floor space to reduce electrical lighting loads
- ERV ventilation to ensure
 - Indoor air quality is maintained
 - Moisture levels are managed and evacuated
- Smart home electronic thermal comfort controls will be used to:
 - Minimize heating and cooling energy
 - Provide user feedback
 - Allow home/away programmability controlled through smart devices
- Suites are designed with front to back, and bottom to top operable openings for natural ventilation throughout summer seasons
- Electric car charging feed provided to each parking garage – for 2 vehicles per household
- Rooftops will be prepped for solar PV panel installation
- On demand water heating systems provide reduced energy load