



**PLANET  
PANELS**

P: 403.800.4300 • F: 403.800.4309  
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## PROJECT SUMMARY: Calgary Infill Duplex - *October 2010*

Planet Panels has created an environmentally friendly, highly energy efficient home. Using fully fabricated panelized insulated wall, floor and foundation systems this home is constructed in a fraction of the time it takes to build a “standard” home. Planet Panels is a smart option for those who want to live for the future and enjoy a healthy and environmentally friendly living space.

### FEATURES:

- » Fully assembled house in less than three days; this includes floors, interior and exterior walls
- » 1,725 square feet, 835 main and 890 upper
- » Use of a “no draft” wall panel system
- » Manufactured to meet all National Building Code of Canada (NBCC) requirements
- » Thermally broken framing pattern which eliminates conductive heat loss
- » ‘Draft free’ wall system that reduces heat loss by up to 37%
- » Materials developed in an environmentally controlled facility
- » Precision building results in 90% reduction in waste and framing insulation
- » Fully fabricated assemblies eliminate 90% of the conventional thermal bridging
- » Expanded polystyrene foam (EPS) used in place of insulation; this contains no gases that are harmful to the ozone layer, it is safe for landfills, 100% recyclable and contains a flame retardant (HBCD) which reduces the risks of fire
- » ‘EnerGuide for New Houses’ program certifies our homes as being among the most energy efficient homes in Canada
- » Manufacturer’s warranty of 25 years

### What this means for you...

- » Your home will have higher appraisal and resale value
- » You will have Mortgage Insurance Reduction (up to 10%)
- » A 35 year CMHC backed mortgage term for having an energy efficient home
- » Eligibility for provincial government grants of up to \$10,000
- » Installation time is reduced by up to 80%
- » Reduced construction time means you can move into your new home quicker
- » You'll spend less money on site management
- » High R-Value lowers the operating costs to heat and cool your home by up to 60%.
- » Your home is 35%-55% more energy efficient than standard construction
- » You will generate up to 55% less green house gas emissions

### PROJECT COSTS

This project totals \$69,000 which includes:

- » Main floor insulated exterior walls
- » Main and upper floor party walls
- » Upper floor insulated exterior walls
- » Fabrication and panelization of floors including Engineers' Seal
- » All interior partitions (panelized)
- » Roof and framing materials
- » All site required top/bottom plate material, Panel Fasteners, panel foam and adhesive
- » Install customer supplied exterior windows and doors
- » Prep all openings; electrical (as per plans), splining and anchoring
- » Supply and install stairs
- » Basement bearing walls at stairwell (tall walls)
- » Site clean up

### PROJECT REFERENCE

Shawn Miller- [shawn@planetpanels.com](mailto:shawn@planetpanels.com)



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