

Progress Report No. 10

Factor 9 Home: A New Prairie Approach

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1. House construction has progressed. Views of the rear and front of the house are shown in Figures 1 and 2 as of August 30.

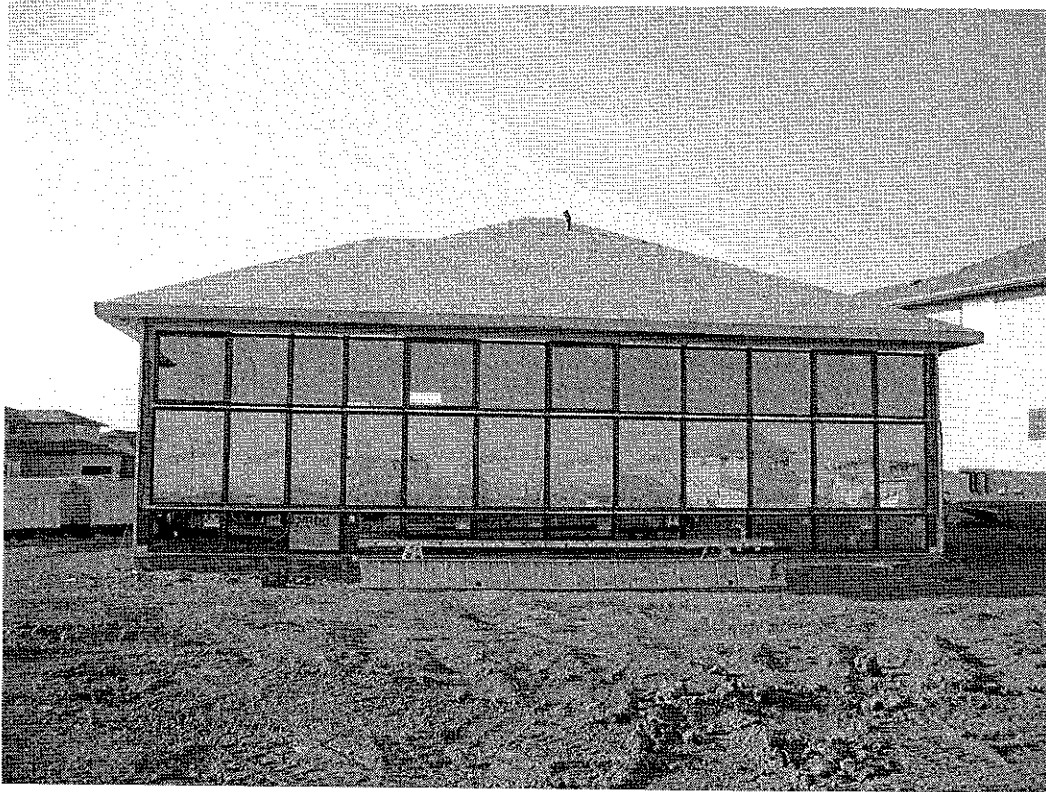


Figure 1. South view of the Factor 9 Home



Figure 2. North view of the Factor 9 Home

2. An open house was held at the construction site for contractors and channel members in Regina on August 30. Product displays for the Panbrick, Emercor and Watercycles companies were present at the home. Steady traffic was experienced during the open house.
3. Descriptive talks about the Factor 9 Home project were held at the following venues:

Speaking Venue	Date	Speaker
1. World Association of Industrial Technical Research Organizations ( WAITRO) Saskatoon Meeting	August 8, 2006	Rob Dumont
2. American Society of Heating Refrigerating and Air Conditioning Engineers, Saskatoon	September 12, 2006	Rob Dumont
3. American Society of Heating Refrigerating and Air Conditioning Engineers, Regina	September 13, 2006	Rolf Holzkaemper
4. Energy Management Task Force, Northern Saskatchewan Chapter, Saskatoon	September 13, 2006	Rob Dumont
5. First Nations and Inuit Housing Symposium, Honouring our Traditions, Housing for our Future, Edmonton	September 18, 2006	Gene Ouellette ( SRC) and Rob Dumont

An Adobe pdf file on the Factor 9 Home with the title  [Moving towards Sustainability: The Factor](#)

9 Home will be added to the [www.factor9.ca](http://www.factor9.ca) web site.

4. Rough-in wiring for the instrumentation was installed on August 30. The data logger will be located in the northeast corner of the basement. All sensors have now been purchased.

5. The details of integration of the active solar thermal panels, the photovoltaic panel that will drive the direct current pump, and the south windows have been finalized. A closeup view of one of the solar thermal panels installed on the south side of the house is shown in Figure 4.

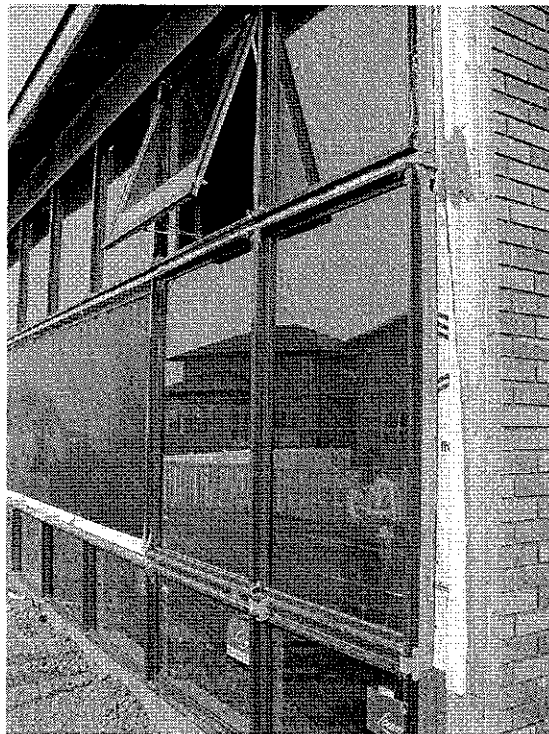


Figure 4. Integration of the solar thermal panels with the windows on the south side of the house. The solar thermal panels are in a 5 foot tall horizontal band between the upper windows on the main floor and the basement windows.

6. As of October 4, the interior gypsum board is now ready to be installed.

**Staff from R Value Insulation have installed the ceiling vapour barrier membrane and the Blown-In-Blanket system at the high heel truss ends. Rolf Holzkaemper reports that “they are working hard to make sure we have a tight envelope and take great pride in their work.”**

#### **Next Steps**

1. On completion of the plumbing, heating, and electrical installations, the final wiring for the instrumentation sensors will be installed. An air tightness test of the building envelope will be done also.

2. Preparations will continue for the Grand Opening and Open House.

*The Factor 9 Home: A New Prairie Approach could not have been developed without the strong support of its sponsors: Communities of Tomorrow, The Office of Energy Conservation of the Saskatchewan Government, Saskatchewan Research Council, Natural Resources Canada, and Canada Mortgage and Housing Corporation*

*Partners include the University of Regina and the City of Regina*

*Product sponsors include Panbrick Okamoto, Emercor, Watercycles, and Venmar*

*Special thanks go to the Homeowners, Rolf and Shannon Holzkaemper*