

# Building Excellence Awards

## Platz Residence

Project Name:	Platz Residence
Category:	Single Family Homes over 3,000 sq. ft.
High Performance:	No
Manufacturer:	
Submitted By:	Terry Dieken

### Project

39829 170th St  
Springfield, MN 56087  
United States

### Builder

BKC Supply + Design  
Randy Platz  
39829 170th St  
Springfield, MN 56087  
United States  
Phone: 507-723-9171

## Design Professional

### Design Professional

CR Consulting + Design  
Randy Platz  
520 W Central St  
Springfield, MN 56087  
United States  
Phone: 507-276-9611

### Building End Use:

This building will serve as a high-performance, energy-efficient family residence.

### Describe the end use of the building:

The builders/homeowners have worked with Extreme Panel SIPs in the past and decided to partner with us again due to their positive experience. They fully trust the SIP system, understand the benefits, and appreciate the importance of sustainable, high-performance building. Many of our first-time customers turn into repeat customers after experiencing the convenience and reliability of building with SIPs.

### SIP wall thickness and core material:

8 1/2"

### SIP roof thickness and core material:

12 1/4"

**Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy?**

Off-site pre-fabrication streamlined the construction process, which was extremely important during the winter months. It also provided a significantly warmer site for the construction crews, helping save time and money on skilled labor. The air-tight building envelope created when building with SIPs slashed regular utility expenses for the homeowners.

**Describe any innovative design elements or structural engineering involved:**

## Certifications & Specifications

**Certifications:**

Still waiting on these final numbers. Early indications are that we are close to passive.

**HERS Index:**

**Blower door test results (ACH50):**

**Energy use intensity in kBtu/ft2:**

**Describe the HVAC system used on the project:**

The whole 4500 sq ft house is located on a heated concrete slab at grade with concrete foundation walls. It includes an in-floor radiant heat system throughout. There are two high-efficiency LP gas furnaces in the house for backup but have never been needed due to a Central Boiler outdoor wood furnace- even in the cold MN winter.

**Other Energy-saving Materials:**

**Energy-efficient products or design features:**

**Solar panels installed:**

**Sustainable materials or design features:**

**Additional comments:**

**Builder, homeowner, occupant testimonial:**

## Files & Photos



20230106\_123014 (2).jpg



20230106\_123044 (2).jpg



20230106\_123108 (1).jpg



20230106\_123129 (1).jpg





Platz 3 (1).jpeg



Platz 6 (1).jpeg



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