



Compliance Certificate

Project Prarie Center Building E

Energy Code: **2015 IECC**
 Location: **Saint Charles, Illinois**
 Construction Type: **Multi-family**
 Project Type: **New Construction**
 Orientation: **Bldg. faces 180 deg. from North**
 Conditioned Floor Area: **18,312 ft2**
 Glazing Area **30%**
 Climate Zone: **5 (6699 HDD)**
 Permit Date:
 Permit Number:

Construction Site:
St. Charles Illinois, IL

Owner/Agent:
 Dave Patzelt
 Shodeen
 77 North First Street
 Geneva, IL 60134
 630-444-8252
 dave@shodeen.com

Designer/Contractor:
 Don McKay
 Nagle Hartray Architects
 30 W Monroe
 Suite 900
 Chicago, IL 60603
 312-663-2900 x 161
 dmckay@sheehannaglehartray.com

Compliance: Passes using UA trade-off

Compliance: **16.5% Better Than Code** Maximum UA: **3121** Your UA: **2605**

The % Better or Worse Than Code Index reflects how close to compliance the house is based on code trade-off rules. It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	U-Factor	UA
North: Wood Frame, 16" o.c. Orientation: Front	6,386	20.0	2.3	0.051	218
Window and Patio Doors: Vinyl/Fiberglass Frame:Double Pane Orientation: Front	2,105			0.250	526
South: Wood Frame, 16" o.c. Orientation: Back	6,454	20.0	2.3	0.051	235
Window and Patio Doors: Vinyl/Fiberglass Frame:Double Pane Orientation: Unspecified	1,845			0.250	461
West: Wood Frame, 16" o.c. Orientation: Left side	1,787	20.0	2.3	0.051	67
Window and Patio Doors: Vinyl/Fiberglass Frame:Double Pane Orientation: Unspecified	478			0.250	120
East: Wood Frame, 16" o.c. Orientation: Right side	1,785	20.0	2.3	0.051	66
Window and Patio Doors: Vinyl/Fiberglass Frame:Double Pane with Low-E Orientation: Unspecified	486			0.250	122
Basement Wall 1: Solid Concrete or Masonry Orientation: Unspecified Wall height: 9.1' Depth below grade: 9.1' Insulation depth: 9.1'	6,454	0.0	9.6	0.053	332

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	U-Factor	UA
Metal Door: Solid Orientation: Unspecified	24			0.500	12
Garage: Solid Orientation: Unspecified	158			0.700	111
Ceiling 1: Raised or Energy Truss	18,610	51.2	2.1	0.018	335

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2015 IECC requirements in REScheck Version 4.6.4 and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Don McKay, Principal
 Name - Title

Don McKay
 Signature

09.07.2017
 Date

