



# Dunn Residence

## Norwalk, Iowa

<b>Location:</b>	6424 43 <sup>rd</sup> Ave, Norwalk, Iowa
<b>Design:</b>	Patrick Dunn, ASLA, LEED AP, RDG Planning & Design
<b>Type of Construction:</b>	New
<b>Construction Cost:</b>	\$270,000
<b>Square Footage:</b>	2,200
<b>Cost per Square Foot:</b>	\$122
<b>Project Website:</b>	
<b>Project Contact:</b>	Patrick Dunn pdunn@rdgusa.com (515) 288 3141
<b>Project Description:</b>	This project balances the use of a variety of sustainable/green building principles and practices. These efforts attempt to mitigate the negative project impacts including the rural, greenfield location.
<b>Sustainable Features:</b>	<p><u>“Top Ten” Sustainable/Green Features Utilized:</u></p> <ul style="list-style-type: none"> <li>• <u>#10 Site Design</u> <ul style="list-style-type: none"> <li>○ Orientation (long east-west design)</li> <li>○ Earth sheltering</li> <li>○ “Taliesinish” (brow of the hill) location</li> </ul> </li> <li>• <u>#9 Geothermal</u> <ul style="list-style-type: none"> <li>○ Heat/Cooling from existing pond</li> </ul> </li> <li>• <u>#8 Concrete Floors</u> <ul style="list-style-type: none"> <li>○ Simple, durable, and low cost</li> <li>○ Thermal mass</li> <li>○ In-floor heat</li> <li>○ Stained</li> </ul> </li> </ul>



- #7 Passive Solar
  - South windows
  - Large overhangs
  - Sheltering southwest porch roof
- #6 Natural Daylighting
  - Loft windows
  - North and east windows
- #5 Low VOC's
  - Paints and Adhesives
- #4 Natural Ventilation
  - Screened porch
  - Vertical circulation in loft
  - Awning windows
- #3 Reclaimed Materials
  - Old Barn timbers
  - On-site soil remediation
  - Interior doors
- #2 Green Roof
  - 1,100 sf
  - High percentage of shingled roof directed to GR
  - Functional and Aesthetic focus
- #1 THREE WORDS... "Not – So – Big"
  - Large family – only 3 bedrooms
  - Efficient use of space
  - Quality over Quantity

