

ARCHITECTURE

MN

A DEEPER SHADE OF GREEN
 Four new modern residential projects in the Twin Cities metro area take sustainable living to a whole new level.
PAGE 33

GREEN NEIGHBORHOODS
 Two urban developments in Minnesota take part in the LEED for Neighborhood Development pilot program.
PAGE 48

THE HGTV EFFECT
 Home shows stoke interest in residential design, but do they tell viewers the whole story? Architects weigh in.
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Sustainability Comes Home

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The Green House Effect
 COVER: SUSTAINABLY DESIGNED HOMES SPREAD ACROSS MINNESOTA AND THE UPPER MIDWEST, SHOWING THE WAY TO A BETTER FUTURE



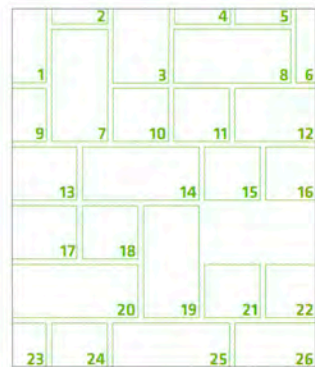
Green Houses? We've Got 'Em Covered.

Sustainable residential design and neighborhood planning are gaining a foothold in the Upper Midwest, and we at *Architecture Minnesota* thought we'd dramatize the trend by illustrating the proliferation of green architect-designed homes on our cover. Did one or more of these projects catch your eye? The key below lists the architect for each project and one of the home's leading green features. If any of these eco-friendly components are unfamiliar to you, check out the Green Glossaries in "A Deeper Shade of Green" (page 33) or, better yet, visit www.ecodeephaus.blogspot.com, where husband-and-wife architects Kevin Flynn, AIA, and Roxanne Nelson, AIA, have been documenting the design and construction of their super-sustainable home in St. Paul (page 38).

In this issue you'll discover that, while sustainable strategies vary from project to project, the design intent is always the same: to create living spaces that are healthier for inhabitants *and* the environment, as well as cost-effective over time. Those are aspirations we all can embrace.

Chris Hudson

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1 E2 CITY HOMES

(page 34)
 LHB, Inc.
www.lhbcorp.com
Green: geothermal heating and cooling
 Photo: Dana Wheelock

2 HAMMOND RESIDENCE

(page 42)
 Michael Huber Architects
www.mhuberarchitects.com
Green: tight climate-control envelope
 Photo: Jon Thompson, Mojo Solo

5 EXCELSIOR & GRAND

(page 48)
 Elness Swenson
 Graham Architects
www.esgarch.com
Green: compact, walkable mixed-use neighborhood
 Photo: AC Johnson Photography

6 SUSTAINABLE RANCH

SALA Architects
www.salaarc.com
Green: pervious driveway and native plants
 Photo: George Heinrich

3 NOWHAUS

Locus Architecture
www.locusarchitecture.com
Green: passive solar heating system
 Photo: Tim Eian, Assoc. AIA

4 MINN HA HOUSE

(page 46)
 SALA Architects
www.salaarc.com
Green: advanced framing
 Graphic: SALA Architects

7 JOHNSON GREENBERG RESIDENCE

IOTA: Inland Office for Tomorrow's Architecture
www.inlandoffice.com
Green: passive daylighting
 Photo: Troy Theis Photography

8 MCGOWAN RESIDENCE

SALA Architects
www.salaarc.com
Green: cellulose insulation from 100-percent-recycled-content newspaper
 Photo: George Heinrich

9 PRIOR LAKE RENOVATION

Habitat Architecture
www.habitatarchitecture.com
Green: reclaimed lumber
 Photo: Habitat Architecture

10 JACKSON STREET VILLAGE

Cermak Rhoades Architects
www.cermakrhoades.com
Green: redevelopment of brownfield site
 Photo: Todd Rhoades, AIA

11 MINNEAPOLIS RESIDENCE

McMonigal Architects
www.mcmonigal.com
Green: catchment gardens for roof stormwater runoff
 Photo: Andrea Rugg

12 SUSTAINABLE MODERNIST

Sarah Nettleton Architects
www.sarah-architects.com
Green: passive geothermal heating and cooling
 Photo: Don F. Wong

13 E2 CITY HOMES

See photo #1
Green: insulated concrete forms used for exterior walls
 Photo: Kim Bretheim, AIA

14 RYAN RESIDENCE

Salmela Architect
www.salmelaarchitect.com
Green: solar photovoltaic system
 Photo: David Salmela, FAIA

15 MAHTOMEDI RESIDENCE

CF Design
www.cfdesignltd.com
Green: small and delicate footprint (two "feet" with a floating span between them)
 Photo: Don F. Wong

16 ELLIS RESIDENCE

Rehkamp Larson Architects
www.rehkamlarson.com
Green: salvaged flooring and a timber frame made from dead-standing Douglas fir
 Photo: Saari Forrai Photography

17 THE EDGEWATER

Elness Swenson
 Graham Architects
www.esgarch.com
Green: green roof (designed by the Kestrel Design Group)
 Photo: Elness Swenson
 Graham Architects

18 SUBURBAN DULUTH HOME

CF Design
www.cfdesignltd.com
Green: geothermal heating and cooling
 Photo: Woodruff/Brown

19 WISCONSIN FARM

Locus Architecture
www.locusarchitecture.com
Green: solar thermal heating system
 Photo: Tim Eian, Assoc. AIA

20 PRIVATE GUEST CABIN

Meyer, Scherer & Rockcastle
www.msrltd.com
Green: planted wildflower roof with a 0.1 insulating thermal mass
 Photo: Pete Sieger, AIA

21 SNUG HOUSE

Locus Architecture
www.locusarchitecture.com
Green: passive solar design with thermal mass storage
 Graphic: Locus Architecture

22 HAMMOND RESIDENCE

See photo #2
Green: insulated poured-in-place concrete and structural insulated panels
 Photo: Jon Thompson, Mojo Solo

23 SIVE

Shelter Architecture
www.shelterarchitecture.com
Green: green roof
 Photo: Jeff Gallo

24 ECODEEP HAUS

(page 38)
 EcoDEEP
www.ecodeep.com
Green: hybrid wind/photovoltaic system
 Graphic: EcoDEEP

25 HAMILTON JELLE RESIDENCE

SALA Architects
www.salaarc.com
Green: radiant in-floor heat powered by photovoltaic cells
 Photo: Tim Maloney

26 WEEHOUSE (MODULAR)

Alchemy
www.alchemyarch.com
Green: small footprint and reduced construction waste
 Photo: Geoffrey Warner, AIA

In this, our residential issue, we give a whole new meaning to the term *cover models*.

EDITOR'S NOTE



DON F. WONG