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[Meet Green Entrepreneurs](#)

[Green Entrepreneurship Video](#)

[A Laundry Room](#)

[ArtStart](#)

[Laverne's Worms](#)

[Orfield Design & Construction, Inc.](#)

[tenKsolar](#)

[Uproot Farm](#)

[More Resources for Green Entrepreneurs](#)

## Orfield Design & Construction, Inc.

Meet Orfield Design & Construction, Inc., a design and remodeling company using sustainable design techniques.

Orfield Design & Construction, Inc. (MN License BC002562) was incorporated in 1978 and is a local woman-run, second generation family-owned residential design and construction company. Rather than suddenly calling themselves "green," Orfield has used sustainable design principles all along. Over the years, the company has used the best functional design and conservative construction practices. They have used time-tested philosophies while constantly adapting to new education and research, changes to code, building practices, design trends, new materials and resources, and appliance inventions.

Orfield's commitment to green building practices includes:

Investing in continuing education for its employees. One of Orfield's designers and project managers recently obtained a LEED® Green Associate certification from the U.S. Green Building Council (USGBC).

Reworking and repurposing the existing home layout rather than adding on new whenever possible.

Reducing waste with proper planning up front, efficient layout, and building conservatively to reduce a home's carbon footprint to avoid redundancy of rooms.

Building high-quality, structurally sound projects to current code and recommended tested practices, with long-term, low-maintenance use in mind.

Where new items are required, specifying and installing energy-efficient materials with low Volatile Organic Compound (VOC) emission, proper ventilation systems, insulation, windows, doors, appliances, lighting, plumbing fixtures, and HVAC systems for a healthy environment both in and outside the home.

Reusing existing materials and repurposing others. Salvaging, refurbishing and reusing any remnants of architectural products wherever possible. Orfield also donates any reusable items to non-profit organizations, and suggests re-using

cabinetry, doors, and hardware in other areas of the home instead of throwing away and buying new.

Encouraging homeowners to make selections that support local companies and renewable resources.

Saving existing natural landscape, earth, trees, and shrubbery, by working around and/or replanting where necessary.

Abating any existing hazardous materials and conditions such as lead and mold as well as other potentially harmful compounds. Using proper recycling or waste disposal of these and other items after construction.

Product changes and availability, subcontractor and trade partner knowledge, technology, continuing education, and public awareness have all increasingly led Orfield to be even more mindful of how to work with clients and their home projects to reduce negative environmental effects. They also work to stay current with local and national programs which focus on cost-saving opportunities for their clients.

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