



3/6/2020

Conditional Use Permit Application  
City of Medina  
Site Location: 1832 Medina Road  
Long Lake, Mn, 55356

This conditional use permit application is for a new barn building at 1832 Medina Road.

The following pages of this document provide descriptions and example photos to illustrate architectural elements for this future building including:

- Contrasting colors for roofing and siding
- Wainscot details
- Street facing decorative covered entry with timbers and stone
- Roof cupolas
- Windows at 3 sides of the building
- Decorative service doors
- Varied roof pitches and overhangs with soffits
- Varied building foundation
- Information on the durability and fade resistant color clad steel

Also attached with this application are architectural plans for the building and civil documents showing grading and storm water management plans.

-Brody Schmid  
Project Manager, Nor-Son Custom Builders  
700 East Lake Street, Wayzata, MN, 55391

**\*Decorative street side covered entry with stone accents and timbers**



**\*Contrasting colors of “earth brown” & “white sand” for roof, siding, & wainscot**



Earth Brown      White Sand

**\*Uni-rib steel roofing & siding**



**\*Uni-rib steel wainscot in contrasting color**



**\*Windows & decorative doors**



**\*Varied roof pitches**



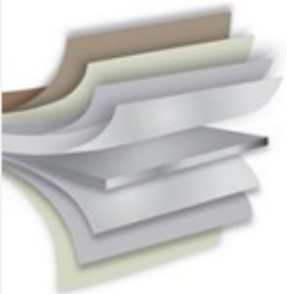
**\*Roof cupolas**



**\*Overhangs with steel soffit & fascia**



## PROTECTIVE SUBSTRATE COATINGS & PAINT SYSTEMS



Protective substrate coatings and paint systems protect the steel, keeping it durable and looking great for years.

### *Protective Substrate Coatings*

Lester Buildings Systems offer two protective substrate coating options. The substrate coating is used to inhibit rust and corrosion. It is applied to the steel before it is painted.

#### **AZ50 Galvalume®**

- Galvalume coatings use a mixture of aluminum and zinc to protect against rust and corrosion.
- Galvalume is projected to out-perform galvanized by up to nine times in non-livestock facilities with equivalent coating thickness.
- Galvalume is offered on both the 26 and 28 gauge [Uni-Rib™ steel panel](#) and the [Eclipse Roof System™](#).

#### **G90 Galvanized**

- Galvanized coatings use pure zinc to protect against rust and corrosion.
- Measured in number of ounces of zinc per square foot; the higher the number, the less corrosion.
- The Uni-Rib steel panel uses a galvanization process that adds a layer of corrosion protection to both sides of the panel.
- It also provides good paint adhesion and scratch resistance.
- [Galvanized coatings are recommended for livestock facilities by all major steel producers.](#)
- Galvanized is offered on the [29 gauge](#) Uni-Rib steel panel.

Interior panels for lined/insulated structures are available in [30 gauge](#) G40 Galvanized, Polyester paint.



## Paint Systems

### SHERWIN-WILLIAMS.

#### Coil Coatings

[Sherwin-Williams](#) has been the exclusive paint provider for Lester Building Systems for more than 30 years. Our long-term partnership, coupled with Sherwin-Williams' 150+ years of coating experience brings a proven track record of quality, integrity and dependability.

As one of the leading paint manufacturers in the world, Sherwin-Williams is known for their innovation to the coatings industry. With an enduring commitment to durability and an ever-expanding palette of color, Sherwin-Williams offers unlimited color freedom.

Lester Buildings offers two choices of paint systems. Each comes with an outstanding warranty and provides extra protection against harsh environmental elements such as ultra-violet rays, acidic rain, humidity and normal handling/wear and tear.

## WeatherXL

Valspar Weather XL® Silicone Modified Polyester (SMP)

Best value combining reliable durability at a lower price. It is standard on all exterior panels and provides an excellent value. [Available in 17 colors.](#) |

## FLUROPON

Valspar Fluropon® Polyvinylidene Fluoride (PVDF)

A premium option suggested for increased fade protection. It is recommended for dark colored roofs. (The well-known Kynar paint brand is also made by Valspar and has the equivalent properties as Fluropon.) [Available in 20 colors.](#)

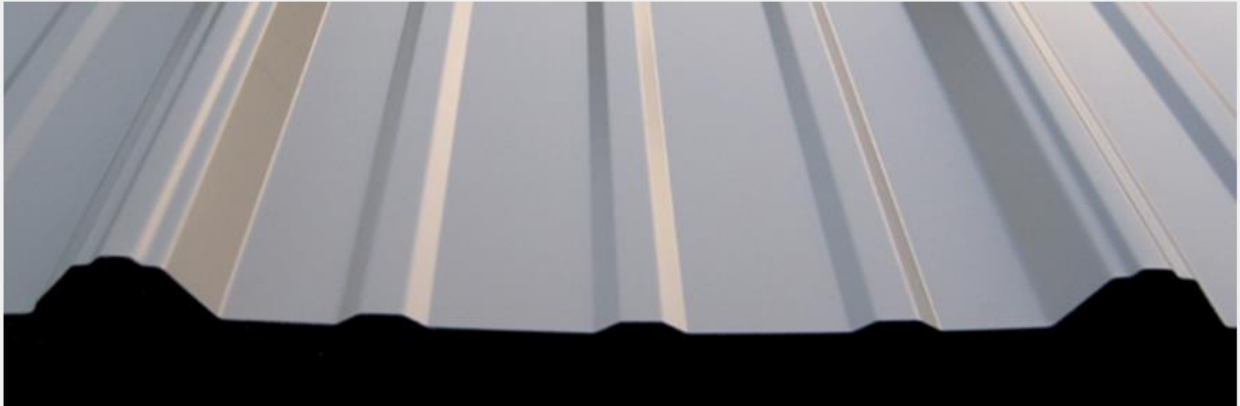


A majority of the colors meet Energy Star's "Cool Roof" reflectivity standards.

#### Paint Warranty - Years of Coverage

Paint System	Film	Chalk	Fade	Red Rust
<a href="#">WeatherXL</a>	40	30	30	5-10
<a href="#">Fluropon</a>	40	30	30	5

## UNI-RIB™ STEEL



### *Uni-Rib™ Steel Panel – The better choice for steel siding and through-fastened roofs.*

The Uni-Rib™ steel panel is exclusive to Lester Building Systems. It provides both structural strength and beauty to your building.

#### **Gauge**

Lester Buildings uses predominately 28 gauge steel for its UniRib steel panel.

Most post-frame suppliers use 29 gauge steel.

Some post-frame suppliers use 26 gauge commercial quality steel which is thicker, but has lower tensile strength.

Lester Buildings also offers 26 gauge steel in the same tensile strength as our 28 gauge steel.

#### **Tensile Yield Strength**

Uni-Rib is a grade 80 steel with a minimum tensile strength of 80,000 PSI, often running well above that minimum.

Other building suppliers use a commercial quality steel with a maximum tensile strength of 64,000 PSI, and typically running much less.

The Uni-Rib grade 80 steel panel is stronger than commercial quality and Grade 56 steel panels.

#### **Shape**

Uni-Rib starts with a 42.000" wide coil giving you 2.75% more steel than most other steel panels, for the same 36" coverage.

This additional steel allows for more minor ribs, taller major ribs, and more and sharper bends in the ribs; giving you a stronger building.

The major rib in the Uni-Rib panel is 7/8" high while the major rib in many other steel panels is 3/4" high.