



Premier Metals

CUSTOM METAL ROOFING AND SIDING

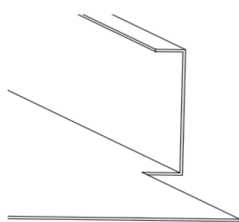
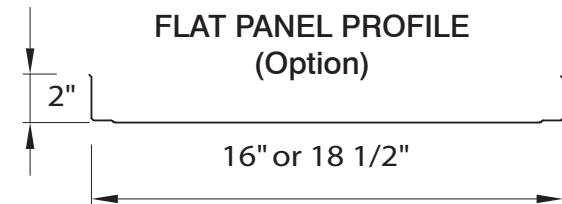
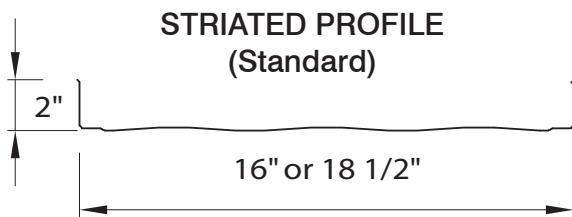
sales@premiermetals.com • www.premiermetals.com

1685 State Route 39, Sugarcreek, OH 44681
ph 330-852-1310 • fax 330-852-1400

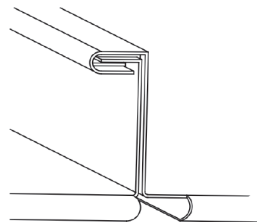
802 Wooster Road, Loudonville, OH 44842
ph 419-920-9090 • fax 419-920-9150

16156 Madison Road, Middlefield, OH 44062
ph 440-632-8999 • fax 440-632-8998

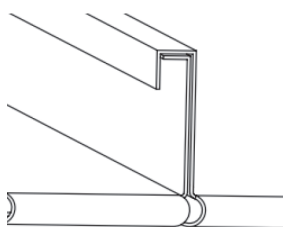
PREMIER COMMERCIAL RIB PANEL (Mechanically Seamed 2") TECHNICAL DATA



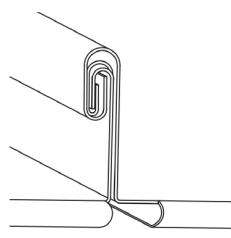
Notch Panel



90° Seam



Hem Panel



180° Seam

2" MECHANICAL LOCK SS PANEL PRODUCT DATA

APPLICATIONS:

Mechanically seamed roof/wall panel used on slopes down to 0.5/12p. Continuous length from eave to ridge.

SUBSTRATES:

Plywood, Metal Deck, Rigid Insulation / Metal Deck or Open Framing.

MATERIAL:

Standard - 24 GA. ASTM A792 (50 ksi steel)

- AZ55 - Bare
- AZ50- painted

Optional - 22 GA. (Extended lead time)

- AZ55 - Bare
- AZ50- painted

MANUFACTURING:

Roll formed in factory or at jobsite.

FINISHES:

Acrylic Coated Galvalume®

Fluoropolymer (Kynar 500® PVDF resin-based)

WeatherXL Textured

PAN CONDITIONS:

Striated, Pencil Rib, or Flat. Oil canning is inherent in all metal panels and is not cause for panel rejection. A signed oil canning acknowledgment will be required for all orders prior to production.

TESTING*:

- Uplift: UL 580 Class 90, ASTM E 1592
- Waterhead: ASTM E2140
- Air & Water Infiltration: ASTM E1680, ASTM E1646

* Testing and Approvals are product specific. Please inquire for details.



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PREMIER COMMERCIAL RIB PANEL Wind Pressure (psf)

Purlins	Panel Clip Spacing	Design Wind Pressure (psf)
Minimum 16-gauge 5'-0" on center	5' 0" on center	32.5
Minimum 16-gauge 4'-6" on center	4'-6" on center	43.8
Minimum 16-gauge 4'-0" on center	4'-0" on center	55.0
Minimum 16-gauge 3'-6" on center	3'-6" on center	66.3
Minimum 16-gauge 3'-0" on center	3'-0" on center	77.5
Minimum 16-gauge 2'-5" on center	2'-5" on center	88.8
Minimum 16-gauge 2'-0" on center	2'-0" on center	100.0
Minimum 16-gauge 1'-6" on center	1'-6" on center	111.3
Minimum 16-gauge 1'-0" on center	1'-0" on center	122.5

TABLE 1: Attachment of 24 gauge, 18.5" wide 2" Mechanical Lock roof panels to minimum 16-gauge steel purlins.

Purlins	Panel Clip Spacing	Design Wind Pressure (psf)
Minimum 16-gauge 5'-0" on center	5' 0" on center	51.1
Minimum 16-gauge 4'-6" on center	4'-6" on center	63.9
Minimum 16-gauge 4'-0" on center	4'-0" on center	76.3
Minimum 16-gauge 3'-6" on center	3'-6" on center	88.7
Minimum 16-gauge 3'-0" on center	3'-0" on center	101.1
Minimum 16-gauge 2'-5" on center	2'-5" on center	113.5
Minimum 16-gauge 2'-0" on center	2'-0" on center	125.9
Minimum 16-gauge 1'-6" on center	1'-6" on center	138.3
Minimum 16-gauge 1'-0" on center	1'-0" on center	150.8

TABLE 2: Attachment of 22 gauge, 18" wide 2" Mechanical Lock roof panels to minimum 16-gauge steel purlins.