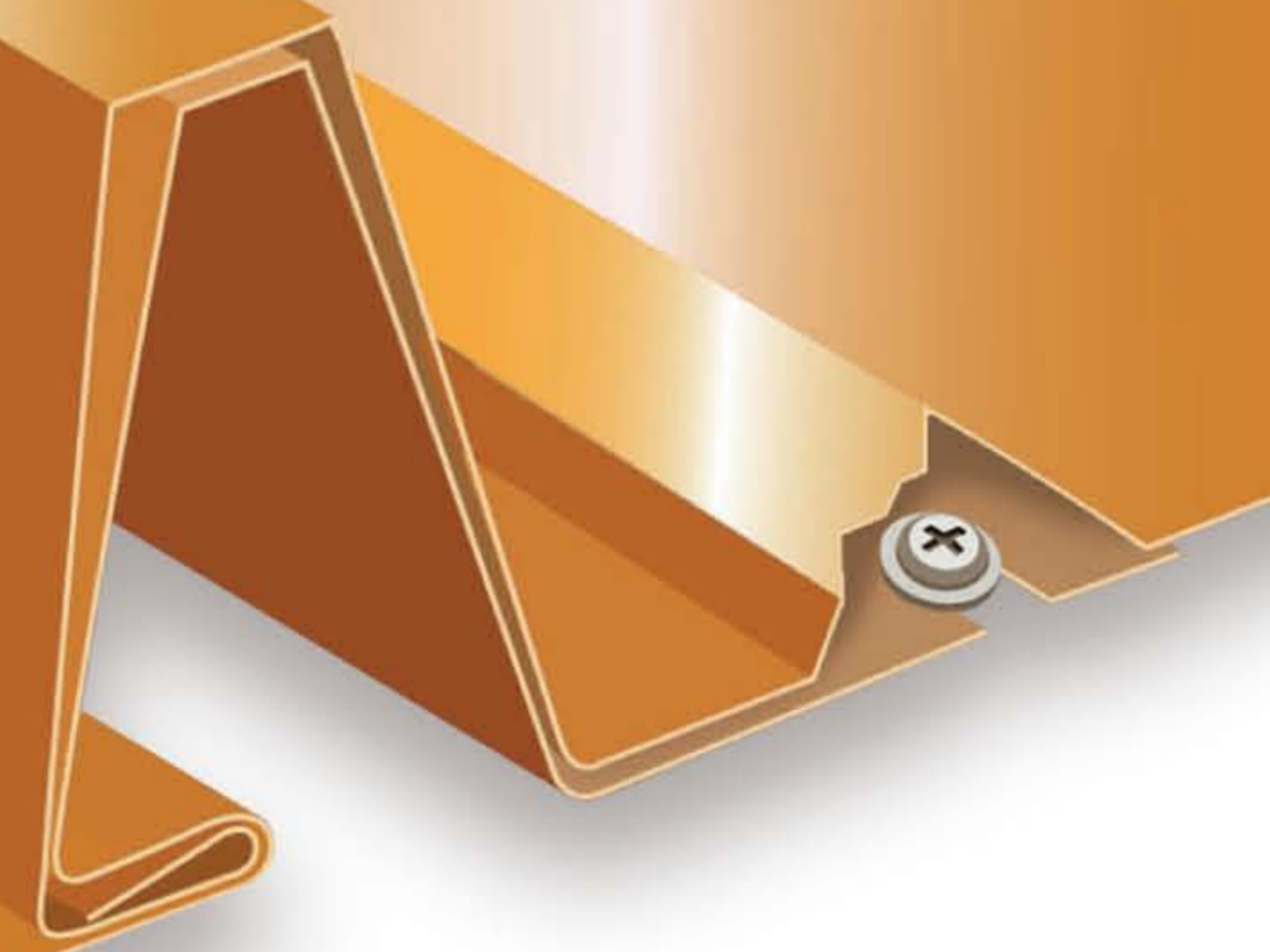


H-F 20.25

H-F 16



Hidden Fastener Steel Roof Panels

- Add prestige and architectural value to commercial and residential buildings
- Easy installation: no clips and no seamer necessary
- Save time and labor costs
- Allow for natural movement of roofing system



ideal roofing
Company Ltd. Manufacturers

www.idealroofing.com

H-F 20.25 & H-F 16

Hidden Fastener Steel Roof Panels

Designed as a roofing panel for high-end, prestige commercial and residential buildings, Ideal Roofing's *H-F 20.25* & *H-F 16* steel roof panels bring back the rich traditional style and appearance of standing seam roofs without the need of clips and a seamer when installing.

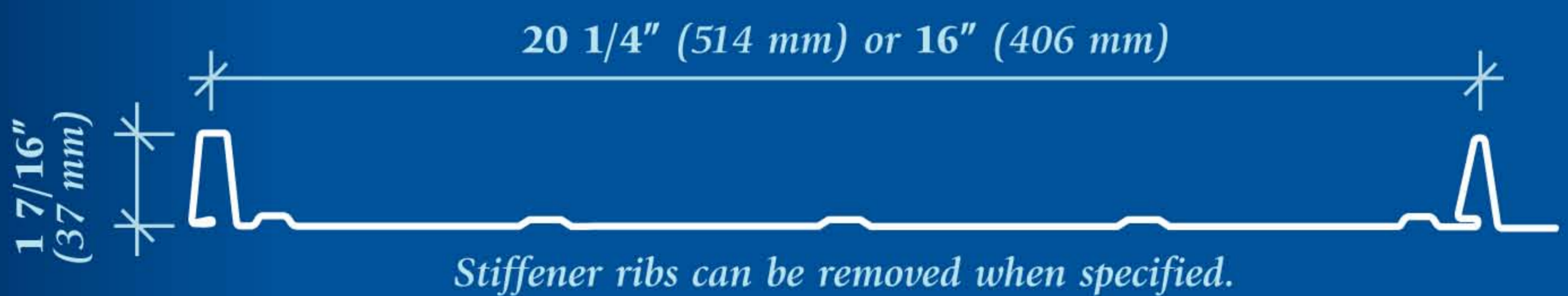
The architecturally pleasing hidden fastener panel can be installed over a solid backing, or over steel or wood purlins through oval slots with Ideal Roofing's specially designed fastening screws, allowing for the panel to slide during contraction or expansion.

This product is fabricated with a state-of-the-art roll former and is offered in Ideal Roofing's galvanized G-90 steel with microcrystalline zinc phosphate treatment. It is available in our proven top-of-the-line 28, 26 and 24 gauge steel. Combined with the advanced 10,000 Series paint system with Kynar 500 resin, this product is available in your choice of 13 attractive colors.

The *H-F 20.25* & *H-F 16* offers you the best steel panel product ever made to protect your roof while beautifying and adding true value to your prestige commercial and residential buildings.



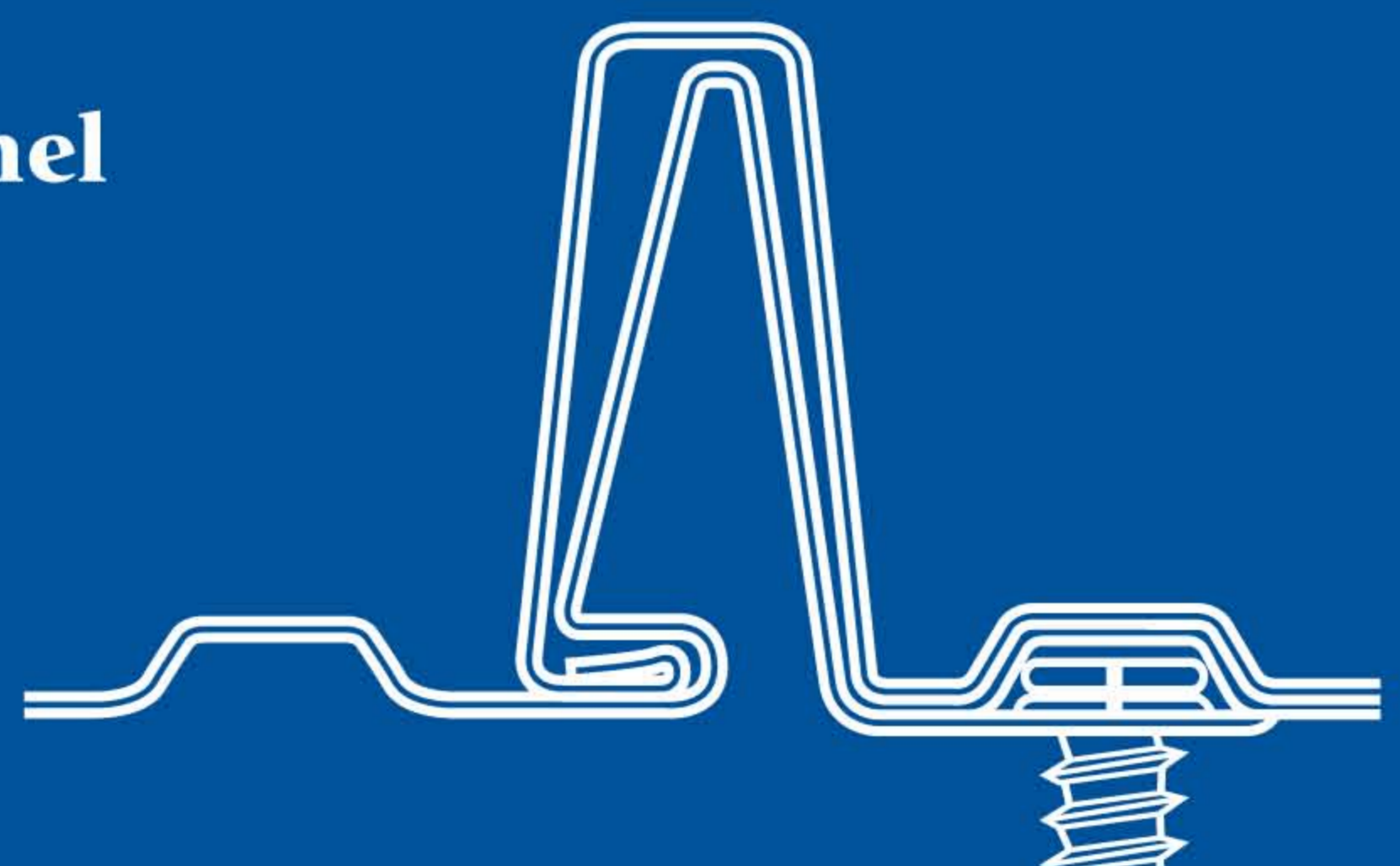
The H-F 20.25 & H-F 16 steel panel is offered in standard widths of 20 1/4" or 16" — to suit and adapt to any style of sloped roof and to enhance any building architecture.



Hidden Fastener Panel

Coverage
W 20 1/4" (514 mm)
H 1 7/16" (37 mm)

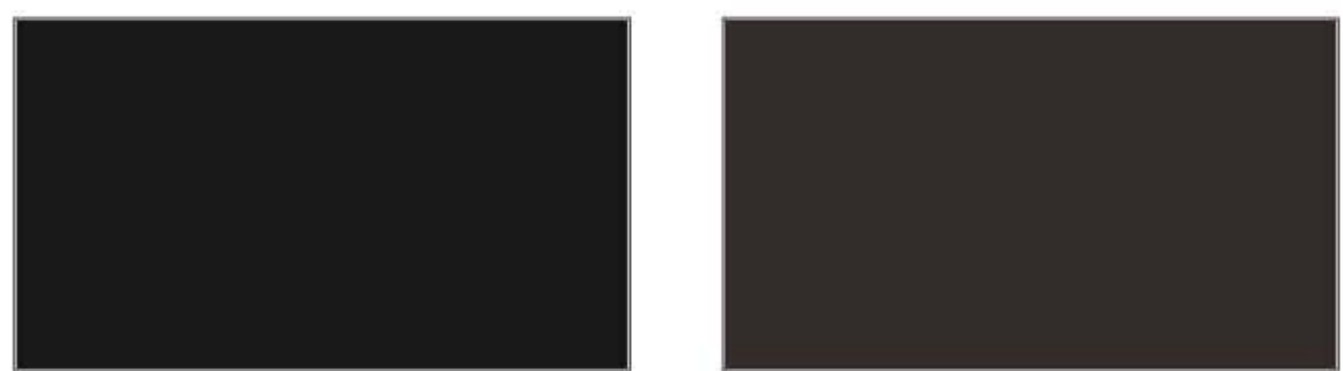
USA Patent
4926608
Canadian Patent
1259466





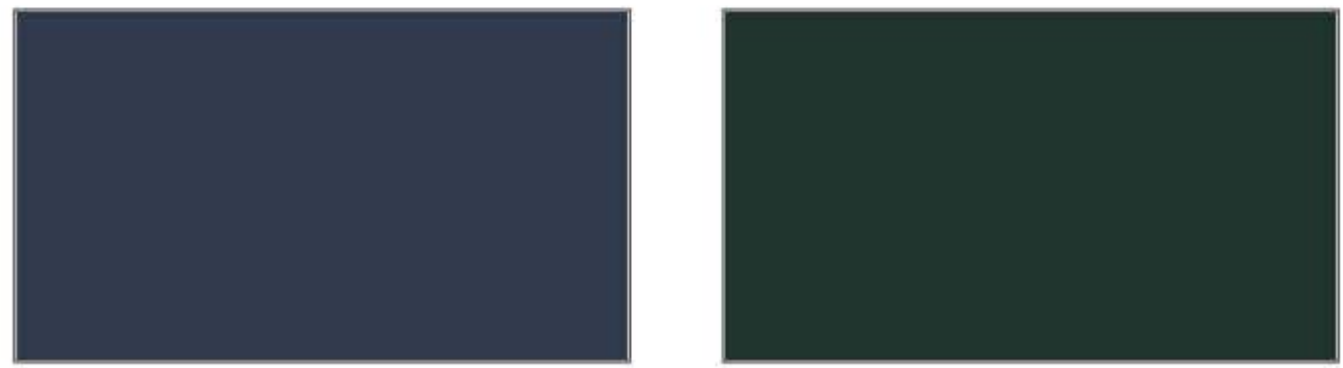
Available Colors

10,000 Series, Kynar 500



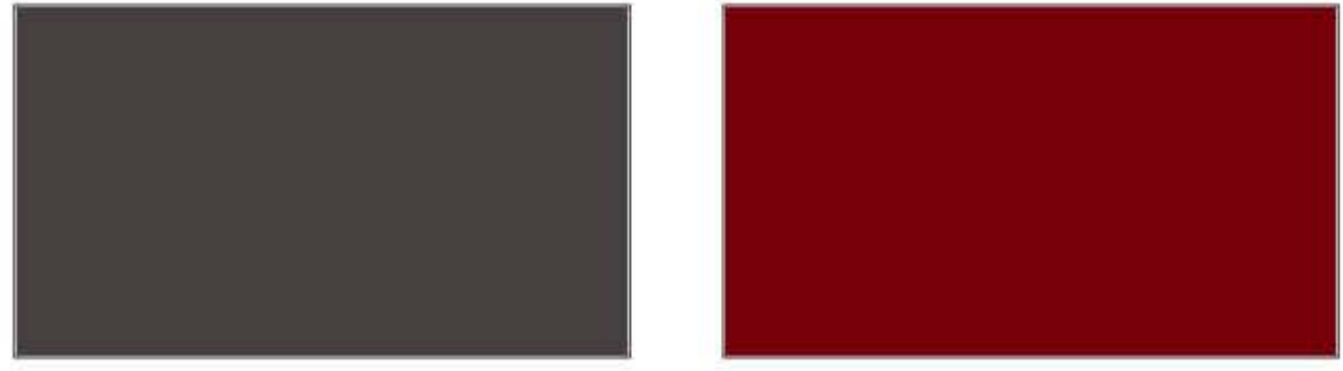
Midnight Black
ID 193

Chocolate Brown
ID 196



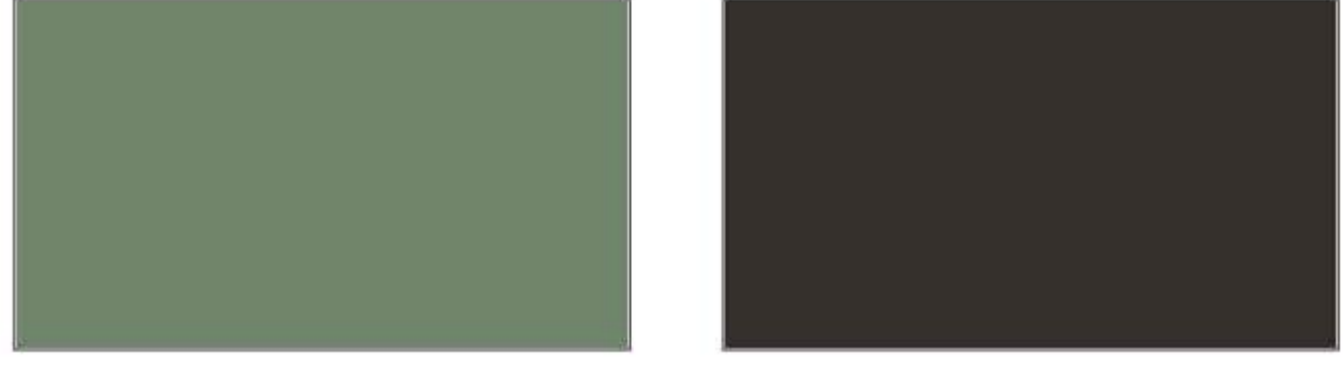
Twilight Blue
ID 3644

Winter Green
ID 3651



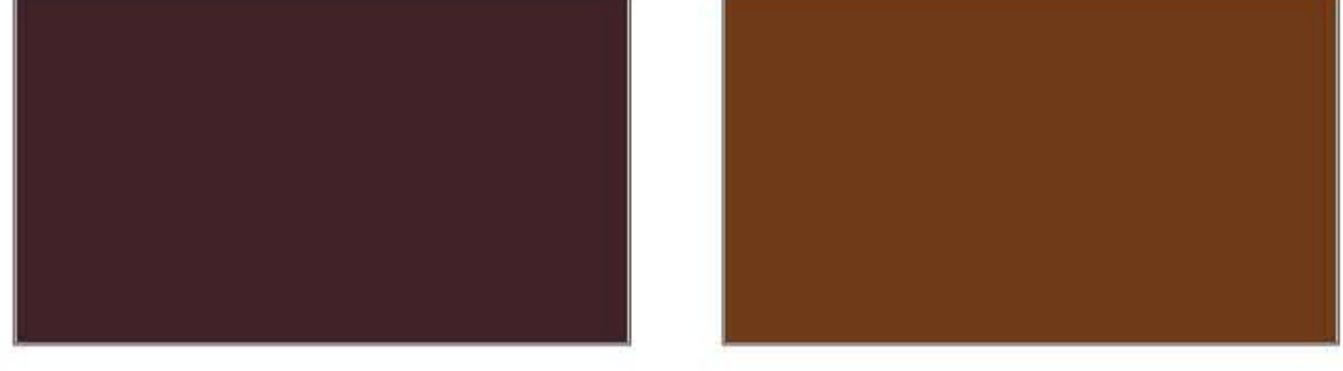
Grey Berry
ID 3659

Cranberry Red
ID 7437



Patina Green
ID 201

Maritime Grey
ID 690



Cordovan
ID 3643

Classic Copper
ID 3234



Bright Silver
ID 2624

Navy Blue
ID 198



Bronze
ID 7135



Structural Properties

Total Nominal Thickness (inch)	Core Nominal Thickness (inch)	Moment of Inertia (in-4)	Moment Resistance		Support Reaction Resistance	
			Mid-Span (in-lb)	Support (in-lb)	End (lb)	Interior (lb)
.018	.016	.0362	656	553	137	242
.026	.024	.0472	838	720	209	411

Uniformly Distributed Loads (pounds/square foot)

Span Condition	Span (inches)	28 Gauge (.018")		24 Gauge (.026")	
		B	D	B	D
Single	18	150	625	248	916
	24	98	264	140	386
	30	63	135	89	198
Double	18	101	1500	213	2198
	24	76	633	120	927
	30	52	324	77	475
Triple	18	114	1181	247	1731
	24	85	498	150	730
	30	65	255	96	374

B = Load reduced for web crippling
D = Deflection based on L/240

Minimum Yield Stress $F_y = 33,000.00$ p.s.i.
Maximum Working Stress $F_b = 20,625.00$ p.s.i.
Young's Modulus (E) = 29,500,000 p.s.i.

Available Materials

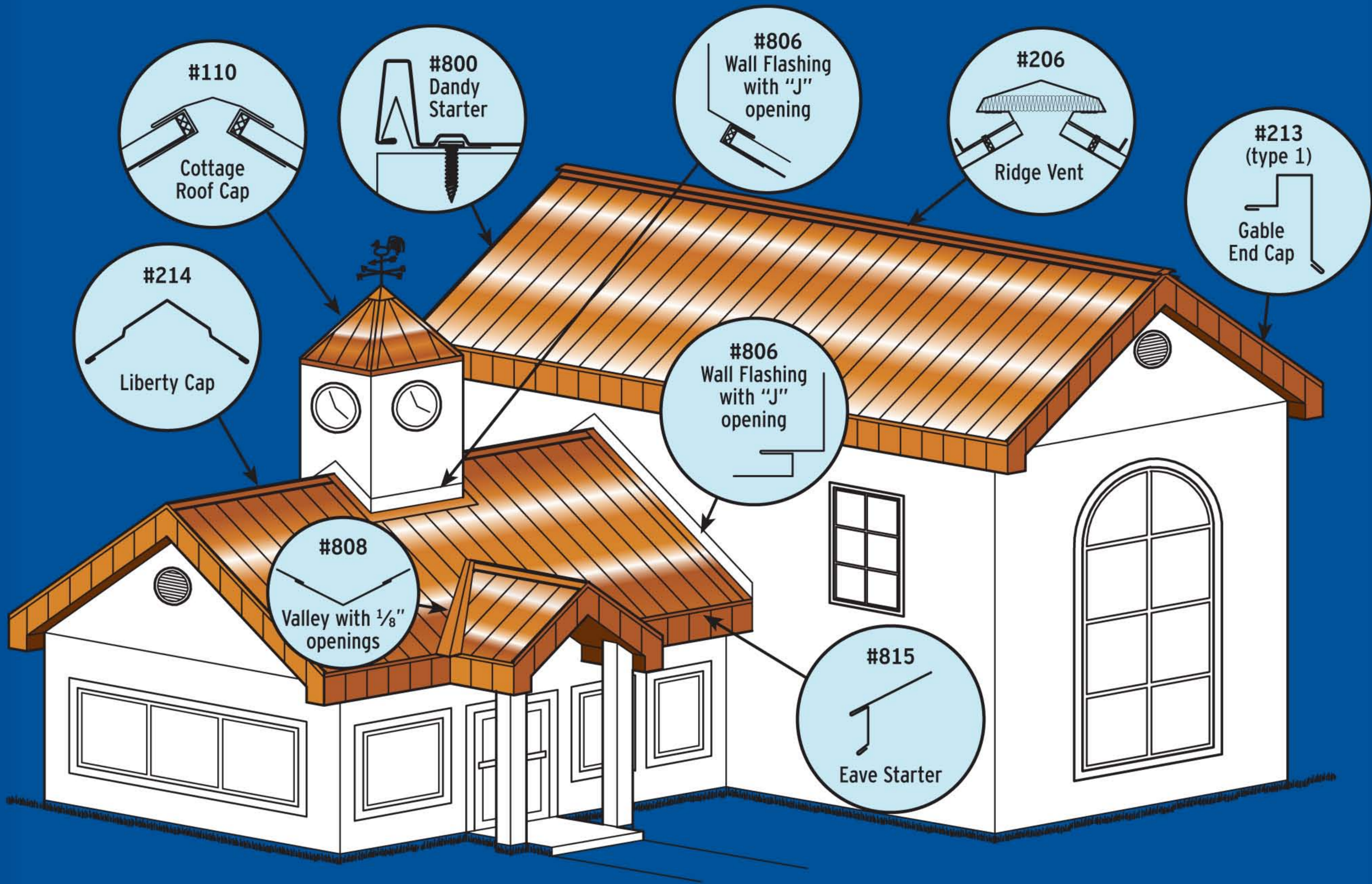
10,000 Series, Kynar 500														
Thickness & Gauge	Midnight Black ID 193	Chocolate Brown ID 196	Twilight Blue ID 3644	Winter Green ID 3651	Grey Berry ID 3659	Cranberry Red ID 7437	Patina Green ID 201	Maritime Grey ID 690	Cordovan ID 3643	Classic Copper ID 3234	Bright Silver ID 2624	Navy Blue ID 198	Bronze ID 7135	Galvalume Plus
(.018") 28 Ga.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
*(.021") 26 Ga.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
(.026") 24 Ga.	●	●	●	●	●	●	●	●	●	●	●	●	●	●

*16" wide only

Pre-painted Galvanized Steel ASTM-A653 SS, Grade 33, Z275 (G-90); 10,000 Series, Kynar 500.
Gauges: 28 (.018" thick), *26 (.021" thick) and 24 (.026" thick)

Mill Finish Galvalume Plus ASTM-A792 SS, Grade 33, AZ180
Gauges: *26 (.021" thick) and 24 (.026" thick)





Flashings and Trims *(Optional flashings and details are available in the Installation Guide)*

<p>#110 Cottage Roof Cap (24" Girth)</p>	<p>#206 Ridge Vent</p>	<p>#213 (type 1) Gable End Cap (A + B + 5 3/4" = Girth)</p>
<p>#214 Liberty Cap (15" Girth)</p>	<p>#806 Wall Flashing with "J" opening (18" Girth)</p> <p>* Specify pitch</p>	<p>#808 Valley with 1/8" openings</p> <p>Galvalume, 30" flashing Pre-painted 10,000 Series, 28" flashing</p>
<p>#815 Eave Starter (9" Girth)</p> <p>* Specify pitch (max. pitch 12/12)</p>	<p>Foam and Metal Closures for Ridge (16" and 20 1/4" versions)</p>	<p>End Plug</p>



Head Office
1418 Michael Street
Ottawa, Ontario, Canada K1B 3R2
www.idealroofing.com

Tel.: 613.746.3206
Toll Free: 1.800.267.0860
Fax: 613.746.0445
info@idealroofing.ca

