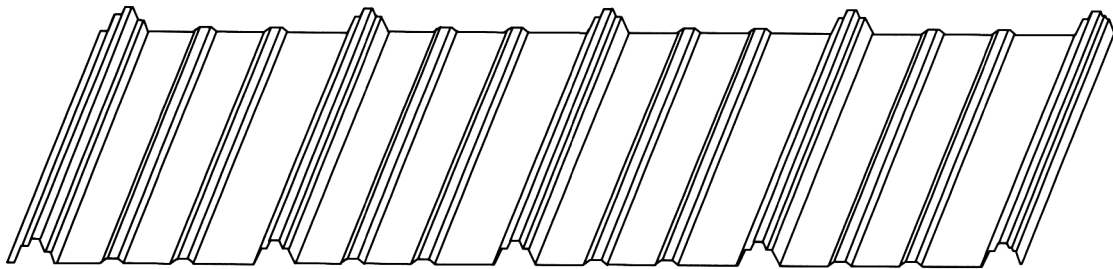




METALS^{LLC}

ULTRA 2000

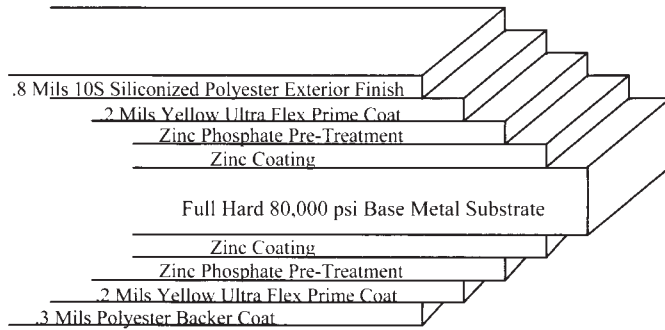
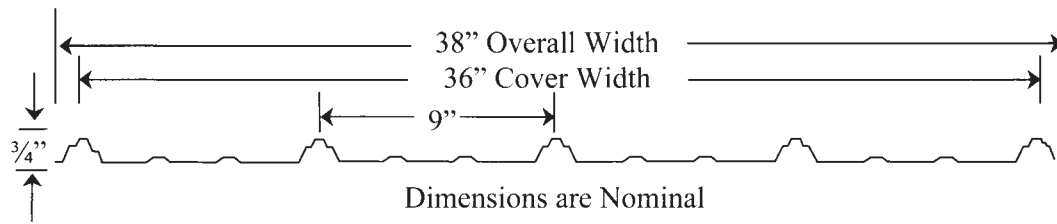
CUSTOM LENGTH STEEL ROOFING AND SIDING SHEETS



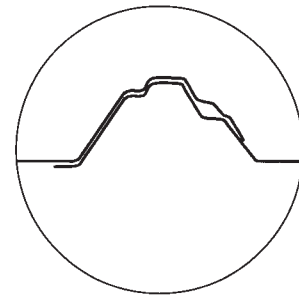
- 45 Year Limited Warranty
- Available in Lengths 1' - 50'
- 36" Panel Coverage, 3/4" Rib Height
- Gauges: 29GA, 26GA
- 18 Colors Available in 29GA
- 5 Colors Available in 26GA
- Minimum Roof Slope: 3:12
- Applies over Solid Substrate or Open Purlins
- Also available in G-90 Acrylic Coated Galvanized, Acrylic Coated Galvalume, and Liner Grade
- Can be job packed to customer specifications
- Full Line of Standard and Custom made Trim and Accessories
- Full hard 80,000 psi galvanized steel panel

ULTRA 2000

TECHNICAL INFORMATION



Paint Detail



Lap Detail

PAINT FINISH:

Ultra 2000 features Valspar's 45 Year WeatherX Siliconized Polyester Paint System starting with a Parker pre-treatment followed by:

Top Coat: .2 Mils Yellow Ultra Flex Primer, .8 Mils 10S Siliconized Polyester

Bottom Coat: .2 Mils Yellow Ultra Flex Primer, .3 Mils Gray Polyester Backer

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT— 3 OR MORE SPANS														
	WIND LOAD (UPLIFT)							LIVE LOAD (GRAVITY)						
Gauge	2'	3'	4'	5'	6'	7'	8'	2'	3'	4'	5'	6'	7'	8'
29	177	63.3	27.9	14.7	8.7	5.6	3.8	106	48.2	25.8	13.7	8.2	5.2	3.6
26	224	82.4	36.2	19.0	11.2	7.1	4.8	139	63.2	33.7	17.8	10.6	6.8	4.6

					Flexure								Shear	Web Crippling	
Panel Type	Min. Thick. in	Design Thick. in	Weight (psf)	I _{gross} in ⁴ /ft	Top in Compression				Bottom in Compression				V _a kips/ft	End	Interior
					I _{xe} in ⁴ /ft	F _b ksi	S _{xe} in ³ /ft	M _a kip-in/ft	I _{xb} in ⁴ /ft	F _b ksi	S _{xb} in ³ /ft	M _a kip-in/ft		R _a kips/ft	R _a kips/ft
29 Gauge	0.0150	0.0158	0.700	0.0105	0.0105	36.0	0.0188	0.677	0.0057	36.0	0.0147	0.529	0.481	0.133	0.308
26 Gauge	0.0190	0.0200	0.883	0.0133	0.0133	36.0	0.0237	0.853	0.0080	36.0	0.0193	0.695	0.608	0.193	0.490

- Values for 3 or more equal spans.
- Above loads are limited by stress and maximum deflection ratio of L/150 of span.
- Section properties of panels and allowable loads are calculated in accordance with the 1996 edition of "Specification for the Design of Cold-Formed Steel Structural Members".
- Minimum bearing length of 1.5 in. required.
- Allowable wind (uplift) loads have been increased by 4/3.
- Weight of panels has not been deducted from allowable loads.
- Connection strength is not considered in Uniform Load table. Adequate connections must be provided.