Security Rib

ideal roofing
Company Limited, Manufacturers

The "Security Rib" is Ideal Roofing's most enduring metal roofing and siding profile. Considered as one of our most economical panels, this product is "ideal" for agricultural, residential and small storage buildings. The Security is best suited as a roofing sheet on rafters not exceeding 24 (7.3m) feet in length and with a minimum slope of 4/12.

Available in all colours (see colour chart), the "Security Rib" is a roll-formed panel with five ½" (13mm) high ribs, covering 31" (788m) in width and lengths are custom cut to the inch as per your specifications.
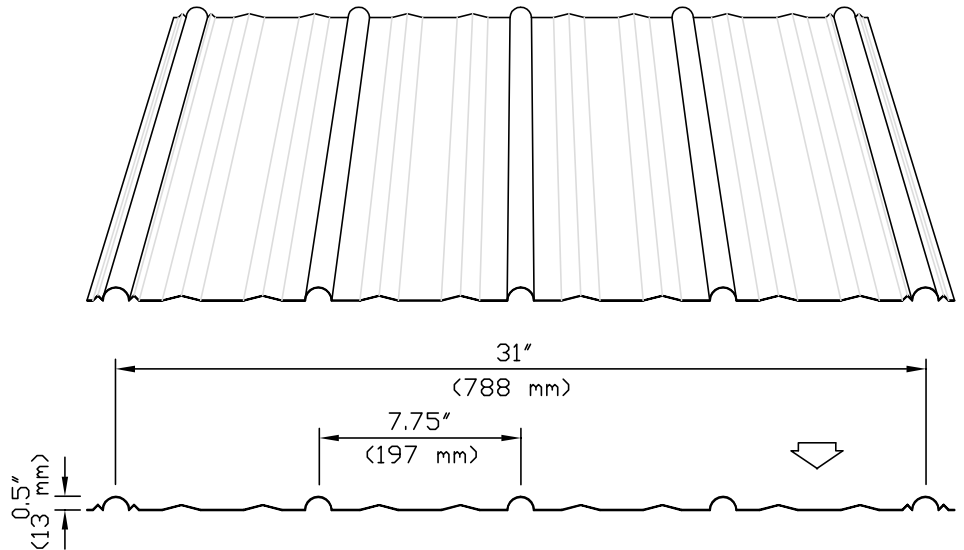
Security Rib

AVAILABLE MATERIALS

Mill finish Galvanized Steel
- (ASTM-A653 SS grade 33, Z275 (G-90));
  gauges: 30 (.015"/0.38mm thick),
          28 (.018"/0.45mm thick),
          26 (.021"/0.54mm thick).

Mill finish Galvalume Plus Steel
-(ASTM-A792 SS grade 33, AZ165);
  gauges: 30 (.015"/0.38mm thick),
          28 (.018"/0.45mm thick),
          26 (.021"/0.54mm thick).

Pre-painted Galvanized Steel
-(ASTM-A653 SS grade 33, Z275 (G-90));
  Perspectra **PLUS**™ Series / Weather XL™:
  see colour chart;
  gauges: 30 (.015"/0.38mm thick),
          28 (.018"/0.45mm thick),
          26 (.021"/0.54mm thick).

Aluminum Plain and Diamond Embossed
  gauges: 25 (.0175"/0.44mm thick)

Aluminum Pre-painted White
  gauge: 23 (.023"/0.58mm thick)

Minimum Yield Stress	Fy = 33,000.00 P.S.I. (228 Mpa)
Maximum Working Stress	Fb = 20,625.00 P.S.I. (144 Mpa)
Young's Modulus	(E) = 29,500,000.00 P.S.I. (203 Mpa)

UNIFORMLY DISTRIBUTED LOADS (psf/Kpa)							
Span Condition	**Span in. (mm)**		**30 gauge (.015" / 0.38mm)**		**28 gauge (.018" /0.45mm)**		**26 gauge (.021" / 0.54 mm)**
			D		D		D
T	10	(254)	100	(4.88)	121	(5.91)	146	(7.13)
R	12	(304)	69	(3.37)	84	(4.10)	102	(5.00)
I	14	(356)	51	(2.49)	62	(3.03)	75	(3.66)
P	16	(406)	39	(1.90)	47	(2.29)	57	(2.78)
L	18	(457)	31	(1.51)	37	(1.81)	45	(2.20)
E	20	(508)	25	(1.22)	30	(1.46)	37	(1.81)
	22	(559)	21	(1.03)	25	(1.22)	30	(1.46)
	24	(610)	17	(0.83)	21	(1.03)	25	(1.22)

D = Load capacity based on deflection L/180