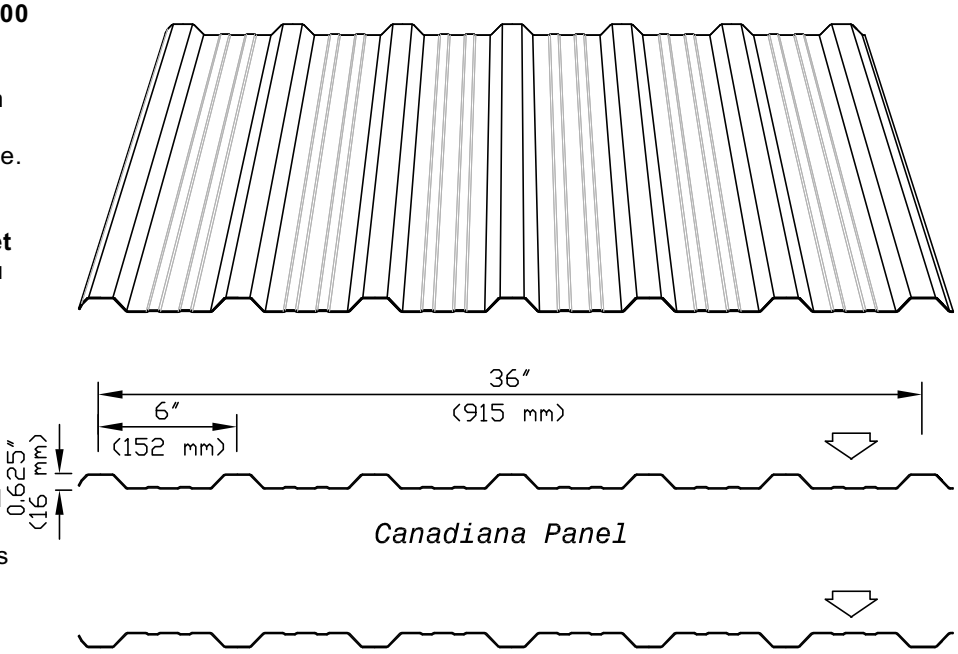
Canadiana Panel

Ideal Roofing's **Canadiana Panel** offers **superior strength** with its strong **80,000 PSI full hard steel core** and its seven 5/8 inch (16mm) high ribs at every 6 inch (152mm) centers. Superior strength means savings on wood or steel purlins for your customer without having to use a thicker steel substrate.

Since the **Canadiana Panel** is fabricated from a **41 inch** (1041mm) **flat sheet into 36 inch wide** (915mm) siding panel, you save **time** and **money**. **Time** because you install **less sheets**, since our panel is **wider**. **Money** because **the Canadiana** is made economically with **less waste** than other competing siding panels.

The Canadiana is destined to become the industry's most versatile lightweight steel siding panel. Its aesthetic and structural qualities renders it worthy of consideration as a siding or a liner panel on agricultural, commercial and industrial buildings.

The Canadiana is rollformed and custom cut to the inch in lengths up to 40 feet (12.2m) for your convenience.



Canadiana Panel

Canadiana Panel Reversed

AVAILABLE MATERIALS

Mill Finish Galvanized Steel
-ASTM-A653 Grade 80, Z275 (G-90));
gauges: 29 (.016"/0.41mm thick),
26 (.021"/0.54mm thick).

Mill Finish Galvalume Plus Steel
-ASTM-A792 Grade 80, AZ165:
gauge: 29 (.016"/0.41mm thick)

Pre-painted Galvanized Steel
-ASTM-A653 Grade 80, Z275 (G-90)
Perspectra ***PLUS*** ™ Series / Weather XL™ ;
see colour chart;
gauges: 29 (.016"/0.41mm thick),
26 (.021"/0.54mm thick).

Aluminum Diamond Embossed
gauge: 25 (.0175"/0.44mm thick)

Minimum Yield Stress	Fy = 80,000.00 P.S.I. (410 Mpa)
Maximum Working Stress	Fb = 59,500.00 P.S.I. (305 Mpa)
Young's Modulus	(E) = 29,500,000.00 PS.I. (203 Mpa)

Total Nominal Thickness in. (mm)	Core Nominal Thickness in. (mm)	Section Modulus		Moment of Inertia $in.^4 (mm^4)$	Allowable Reaction Ends lb (KN)
		Mid-Span $in.^3 (mm^3)$	Support $in.^3 (mm^3)$		
.016 (.41)	.014 (.35)	.0175 (0.94)	10161 (0.865)	.01105 (.0151)	84.5 (1.233)
.021 (.54)	.018 (.46)	.0257 (1.38)	.0243 (1.305)	.01148 (.0198)	158.1 (2.307)

UNIFORMLY DISTRIBUTED LOADS (psf / Kpa)					
Span Condition	Span in. (mm)	29 gauge / .016" (0.41 mm)		26 gauge / .021" (0.54 mm)	
		B	D	B	D
SINGLE	24 (600)	104 (5.13)	102 (5.11)	153 (7.55)	146 (7.33
	36 (1000)	46 (1.85)	30 (1.10)	68 (2.72)	43 (1.58)
	48 (1200)	26 (1.28)	13 (0.64)	38 (1.89)	18 (10.92)
	60 (1500)	17 (0.82)	7 (0.33)	24 (1.21)	9 (0.47)
	72 (1800)	12 (0.57)	4 (0.19)	17 (0.84)	5 (0.27)
DOUBLE	24 (600)	96 (4.73)	244 (12.25)	144 (7.13)	350 (17.5
	36 (1000)	43 (1.70)	72 (2.65)	64 (2.57)	104 (3.80)
	48 (1200)	24 (1.18)	31 (1.53)	36 (1.78)	44 (2.20)
	60 (1500)	15 (0.76)	16 (0.78)	23 (1.14)	22 (1.13)
	72 (1800)	11 (0.53)	9 (0.45)	16 (0.79)	13 (0.65)
TRIPLE	24 (600)	120 (5.91)	165 (9.65)	180 (8.92)	276 (13.8
	36 (1000)	53 (2.13)	57 (2.08)	80 (3.21)	82 (2.99)
	48 (1200)	30 (1.48)	24 (1.21)	45 (2.23)	34 (1.73)
	60 (1500)	19 (0.95)	12 (0.62)	29 (1.43)	18 (0.89)
	72 (1800)	13 (0.66)	7 (0.36)	20 (0.99)	10 (0.51)

B = Capacity based on strength
D = Load capacity based on a deflection L/180

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