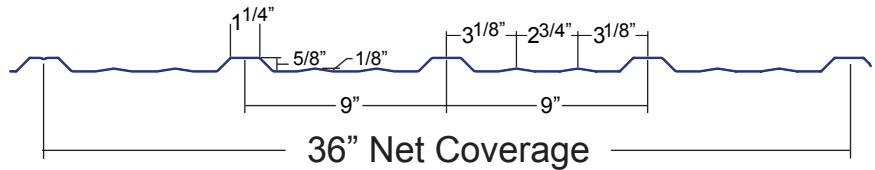
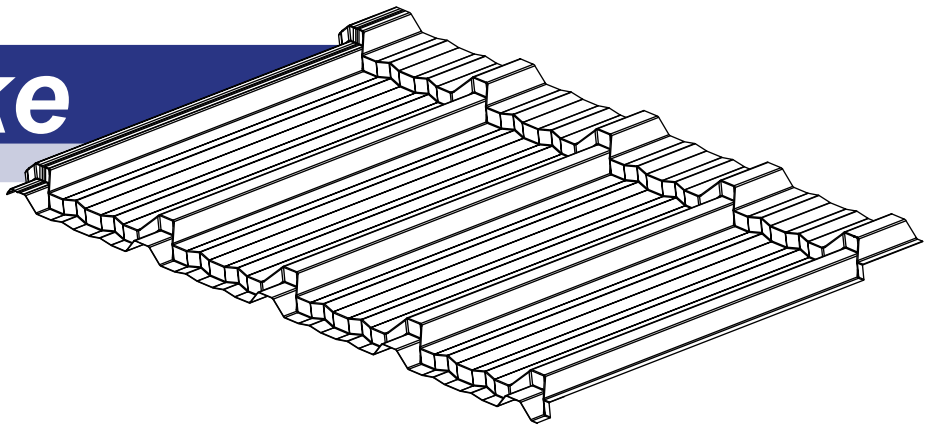


# EASY Shake

ROOF PANEL



SECTION PROPERTIES (PER FOOT OF WIDTH)										
IMPERIAL	Base Steel Thickness (in.)	Weight G90 (psf)	Yield Stress (ksi)	Sec. Modulus		Deflection Moment of Inertia (in <sup>4</sup> )	P <sub>e1</sub> End (lb)	P <sub>e2</sub> End (lb)	P <sub>i1</sub> Interior (lb)	P <sub>i2</sub> Interior (lb)
				Midspan	Support					
				(in <sup>3</sup> )	(in <sup>3</sup> )					
	0.0175	0.870	40	0.0198	0.0188	0.0112	36.7	9.17	65.9	11.2

Live load factor = 1.5; Importance factor = 0.90; Importance Category = 1.0

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOADS (psf)													
SPAN LENGTH (in.)		1-SPAN				2-SPAN				3-SPAN			
		BASE STEEL THICKNESS (in.)				BASE STEEL THICKNESS (in.)				BASE STEEL THICKNESS (in.)			
		0.0175				0.0175				0.0175			
12	S	317				300				375			
	D	1085				2605				2051			
16	S	178				169				211			
	D	458				1099				865			

**Notes:**

- 1 Based on ASTM A 653 structural steel.
- 2 Values in row "S" are based on strength.
- 3 Values in row "D" are based on deflection of 1/180th span.
- 4 Web crippling not included in strength calculations. See D-Rib Example.
- 5 Limit States Design principles were used in accordance with CSA Standard S136-12
- 6 The 3-SPAN load tables for the D-RIB Roof Panel can be conservatively used for the EASY Shake Roof Panel.
- 7 The information in this load table was prepared by Dr. R.M. Schuster P.Eng. Professor Emeritus of Structural Engineering, University of Waterloo, Ontario, Canada



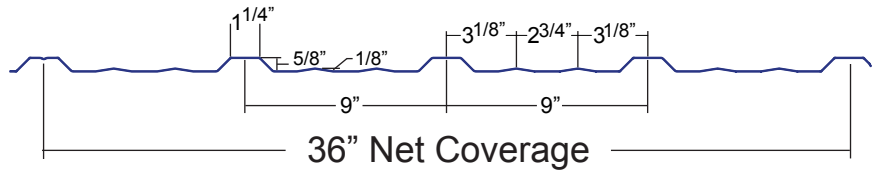
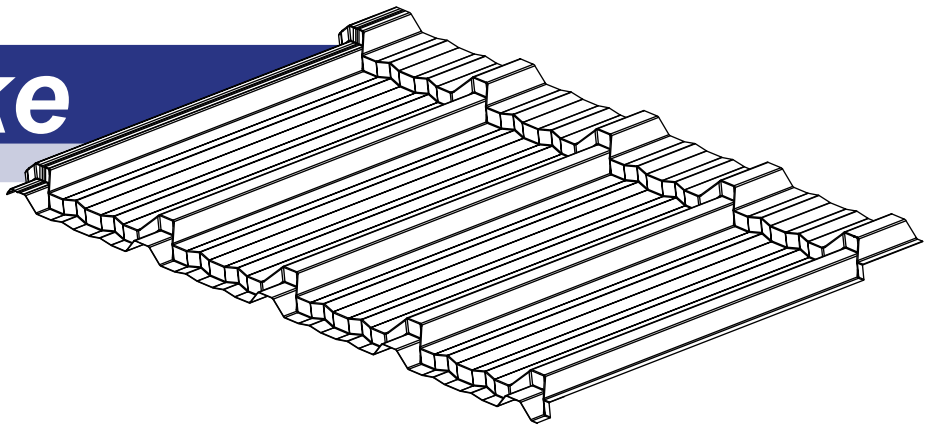
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March 01, 2014

# EASY Shake

ROOF PANEL



SECTION PROPERTIES (PER METRE OF WIDTH)										
METRIC	Base Steel Thickness (mm)	Mass Z275 (kg/m <sup>2</sup> )	Yield Stress (MPa)	Sec. Modulus		Deflection Moment of Inertia (x10 <sup>6</sup> mm <sup>4</sup> )	P <sub>e1</sub> End (kN)	P <sub>e2</sub> End (kN)	P <sub>i1</sub> Interior (kN)	P <sub>i2</sub> Interior (kN)
				Midspan	Support					
				(x10 <sup>3</sup> mm <sup>3</sup> )	(x10 <sup>3</sup> mm <sup>3</sup> )					
	0.445	4.25	275	1.07	1.01	0.0153	0.534	0.134	0.959	0.163

Live load factor = 1.5; Importance factor = 0.90; Importance Category = 1.0

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOADS (kPa)													
SPAN LENGTH (mm)		1-SPAN				2-SPAN				3-SPAN			
		BASE STEEL THICKNESS (mm)				BASE STEEL THICKNESS (mm)				BASE STEEL THICKNESS (mm)			
		0.445				0.445				0.445			
300	S	15.6				14.8				18.5			
	D	54.5				131				103			
400	S	8.79				8.33				10.4			
	D	23.0				55.2				43.5			

**Notes:**

- Based on ASTM A 653 structural steel.
- Values in row "S" are based on strength.
- Values in row "D" are based on deflection of 1/180th span.
- Web crippling not included in strength calculations. See D-Rib Example.
- Limit States Design principles were used in accordance with CSA Standard S136-12
- The 3-SPAN load tables for the D-RIB Roof Panel can be conservatively used for the EASY Shake Roof Panel.
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