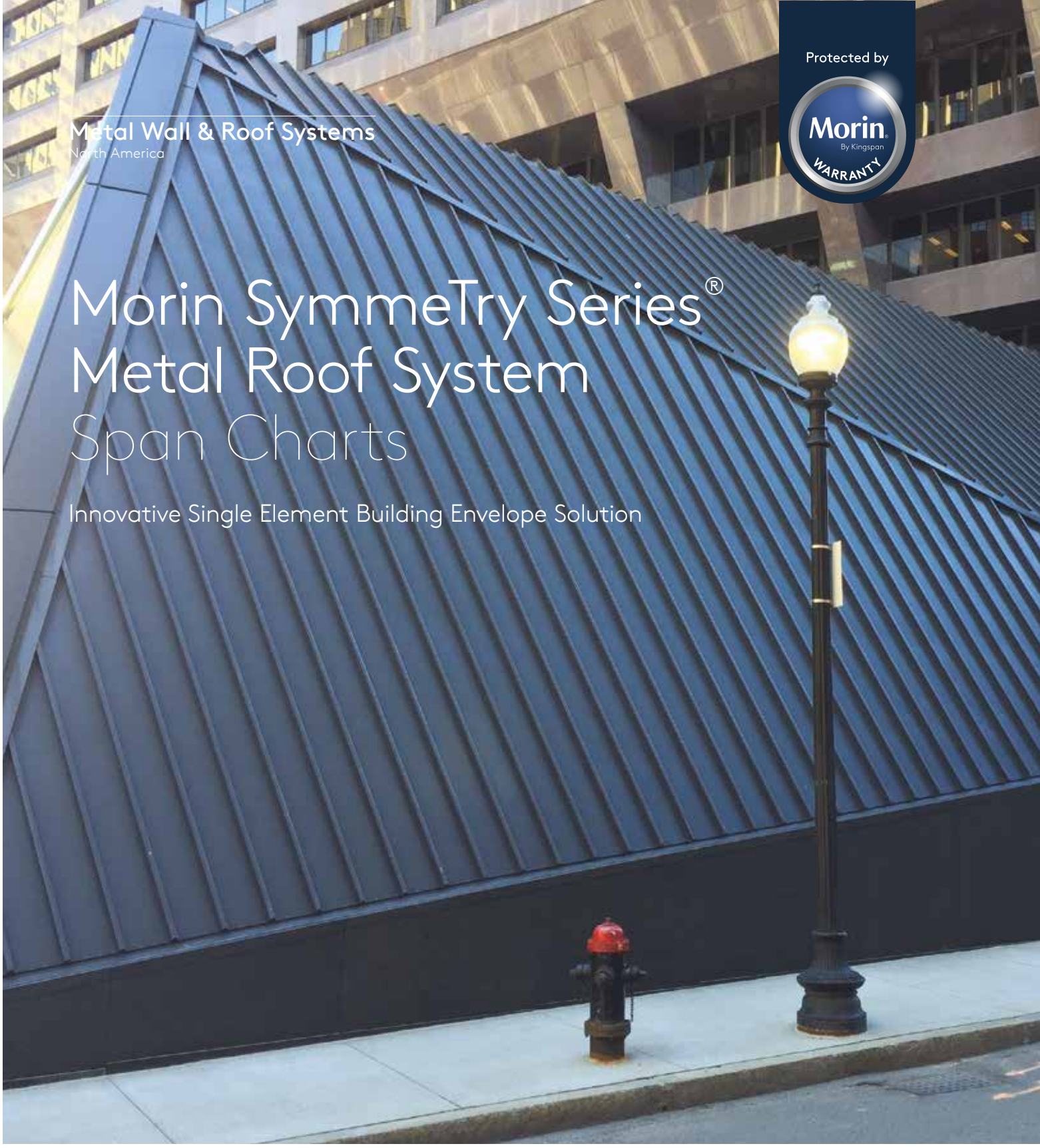


Metal Wall & Roof Systems
North America

Protected by Morin By Kingspan WARRANTY

Morin SymmeTry Series® Metal Roof System Span Charts

Innovative Single Element Building Envelope Solution

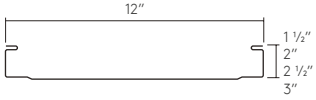
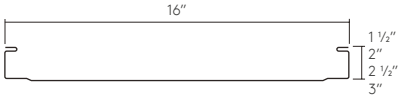
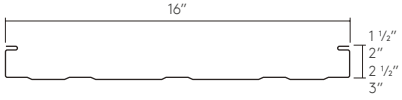
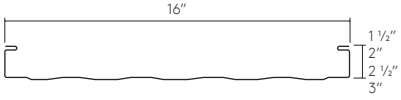
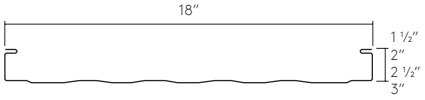
PLANET PASSIONATE

Morin® By Kingspan

Product Data

Morin SymmeTry Series® Range

The Morin SymmeTry Series® system is a batten seamed roof system tested to withstand the toughest environments. The identical "T" shaped joints allows easy panel install and replacement, allowance for thermal movement, and significant wind uplift resistance.

Profile Options	
SYM-12-0 	**SYM-16-0** 
SYM-16-3 	**SYM-16-S** 
SYM-18-3 	**SYM-18-S** 



Applications

Weather-resistant or rainscreen rear-ventillated applications. These panels feature a concealed fastener and are ideal for new or retrofit applications.

Available Lengths

Standard Lengths (ft)	5′ – 40′ (1.52 – 12.19m)

Shorter and longer lengths available on request.

Load / Span Data

Galvalume

Panel Type	Seam Height (in.)	Panel Width (in.)	Panel Thickness (ga.)	Deflection Limit	Clip Type	Allowable Uplift Pressures (psf), Panel Span (ft.)									
						1.0	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
Morin SymmeTry Series®	1.5	12	24*	L/180	Sym-meTry Clip	94.5	83.4	77.9	72.3	66.8	61.2	55.7	50.1	44.6	39.0
			22			133.6	118.1	110.4	102.6	94.9	87.2	79.4	71.7	64.0	56.2
			20*			172.6	152.8	142.9	133.0	123.0	113.1	103.2	93.3	83.4	73.5
		16	24			59.0	53.6	50.9	48.2	45.5	42.8	40.1	37.4	34.7	32.0
			22			100.3	88.6	82.8	76.9	71.1	65.2	59.4	53.5	47.7	41.8
			20			141.8	123.7	114.7	105.7	96.7	87.7	78.7	69.6	60.6	51.6
		18	24*			41.2	38.6	37.4	36.1	34.8	33.6	32.3	31.0	29.8	28.5
			22			83.7	73.9	69.0	64.1	59.2	54.2	49.3	44.4	39.5	34.6
			20*			126.5	109.3	100.7	92.1	83.5	74.9	66.3	57.7	49.1	40.5
	2	12	24	L/180	Sym-meTry Clip	87.3	78.6	74.2	69.9	65.5	61.2	56.9	52.5	48.2	43.8
			22			131.6	117.4	110.2	103.1	96.0	88.8	81.7	74.6	67.4	60.3
			20			176.0	156.2	146.2	136.3	126.4	116.4	106.5	96.6	86.7	76.7
		16	24			55.3	50.9	48.8	46.6	44.4	42.2	40.1	37.9	35.7	33.6
			22			97.4	86.8	81.5	76.2	70.9	65.6	60.3	55.1	49.8	44.5
			20			139.0	122.2	113.9	105.5	97.1	88.8	80.4	72.0	63.7	55.3
		18	24			40.1	37.8	36.6	35.5	34.4	33.1	32.0	30.8	29.7	28.5
			22			80.2	71.5	67.1	62.8	58.4	54.0	49.7	45.3	40.9	36.6
			20			120.4	105.2	97.6	90.1	82.5	74.9	67.3	59.7	52.2	44.6
	2.5	12	24	L/180	Sym-meTry Clip	65.5	64.1	63.4	62.6	61.9	61.2	60.5	59.8	59.1	58.3
			22			128.8	115.9	109.4	103.0	96.5	90.1	83.7	77.2	70.8	64.3
			20			179.4	159.5	149.6	139.7	129.7	119.8	109.8	99.9	89.9	80.0
		16	24			56.9	51.2	48.4	45.5	42.7	39.8	37.0	34.2	31.3	28.5
			22			95.8	86.0	81.2	76.3	71.5	66.6	61.7	56.9	52.0	47.1
			20			107.6	97.9	93.0	88.2	83.3	78.4	73.6	68.7	63.9	59.0
		18	24			38.8	36.7	35.7	34.7	33.6	32.6	31.6	30.6	29.5	28.5
			22			76.7	69.1	65.3	61.4	57.6	53.8	50.0	46.2	42.3	38.5
			20			114.5	101.3	94.7	88.1	81.5	74.9	68.3	61.7	55.1	48.5
	3	12	24*	L/180	Sym-meTry Clip	72.8	68.9	67.0	65.1	63.1	61.2	59.3	57.4	55.4	53.5
			22			127.8	115.9	110.0	104.0	98.1	92.1	86.2	80.3	74.3	68.4
			20*			182.8	162.9	153.0	143.0	133.0	123.1	113.1	103.2	93.2	83.2
		16	24			49.5	47.0	45.7	44.5	43.2	41.9	40.7	39.4	38.2	36.9
			22			91.4	83.1	78.9	74.8	70.6	66.4	62.3	58.1	54.0	49.8
			20			133.3	119.2	112.1	105.1	98.0	90.9	83.9	76.8	69.7	62.7
		18	24*			37.9	36.0	35.1	34.2	33.2	32.3	31.3	30.4	29.4	28.5
			22			73.2	66.7	63.4	60.1	56.9	53.6	50.3	47.0	43.8	40.5
			20*			108.6	97.3	91.7	86.1	80.5	74.5	69.3	63.6	58.0	52.4

Notes:

1 Values shown are uniformly distributed negative loads for multiple span conditions (≥3 spans).
2 Values do not include consideration of sub-framing or fasteners, to be determined by qualified personnel.
3 All pressures values reflect safety factor of 2.0 (Ultimate load/2.0).
4 Ultimate loads determined from ASTM E1592 testing which is limited to the assembly of metal panel, SymmeTry clip and fasteners system, does not include – flashing, sealants, sub-framing, metal studs, and insulation.
5 Requires use of SymmeTry Clip.
6 * Indicates tested material (all other values are interpolated).
7 Galvalume material confirming to ASTM A792.
8 For project specific calculations, please contact Morin Technical Services at 800-640-9501.

Aluminum

Panel Type	Seam Height (in.)	Panel Width (in.)	Panel Thickness (in.)	Deflection Limit	Clip Type	Allowable Uplift Pressures (psf), Panel Span (ft.)									
						1.0	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
Morin SymmeTry Series®	1.5	12	0.040*	L/180	Sym-meTry Clip	138.3	121.4	112.9	104.4	95.9	87.5	79.0	70.5	62.0	53.6
			0.050*			99.5	92.7	89.3	85.9	82.4	79.0	75.6	72.2	68.8	65.4
		16	0.040			65.5	61.7	59.8	57.9	56.0	54.1	52.3	50.4	48.5	46.6
			0.050			98.8	90.5	86.3	82.2	78.0	73.8	69.7	65.5	61.3	57.2
		18	0.040*			61.9	58.1	56.2	54.4	52.5	50.6	48.7	46.9	45.0	43.1
			0.050*			97.9	88.2	83.3	78.5	73.6	68.7	63.9	59.0	54.1	49.3
	2	12	0.040	L/180	Sym-meTry Clip	46.1	48.4	49.5	50.6	51.7	52.9	54.0	55.1	56.2	57.4
			0.050			109.0	100.0	95.5	91.1	86.6	82.1	77.6	73.1	68.6	64.1
		16	0.040			75.6	69.0	65.7	62.4	59.1	55.8	52.5	49.2	45.9	42.6
			0.050			104.4	95.2	90.6	86.0	81.4	76.8	72.2	67.6	63.0	58.4
		18	0.040			62.2	57.4	55.0	52.6	50.2	47.8	45.4	43.0	40.7	38.3
			0.050			95.1	85.5	80.7	75.9	71.1	66.3	61.5	56.7	51.9	47.1
	2.5	12	0.040	L/180	Sym-meTry Clip	104.0	95.4	91.1	86.9	82.6	78.3	74.0	69.8	65.5	61.2
			0.050			118.2	107.3	101.8	96.3	90.7	85.2	79.7	74.2	68.7	63.2
		16	0.040			76.1	69.5	66.2	62.9	59.6	56.2	52.9	49.6	46.3	43.0
			0.050			101.0	91.0	86.0	81.0	76.0	71.0	66.0	61.0	56.0	51.0
		18	0.040			62.6	56.7	53.8	50.9	48.0	45.1	42.1	39.2	36.3	33.4
			0.050			92.3	82.9	78.1	73.4	68.6	63.9	59.2	54.4	49.7	44.9
	3	12	0.040*	L/180	Sym-meTry Clip	86.8	82.4	80.2	78.1	75.9	73.7	71.5	69.4	67.2	65.0
			0.050*			127.0	114.5	108.0	101.5	94.9	88.4	81.8	75.3	68.7	62.2
		16	0.040			70.8	64.8	61.8	58.8	55.8	52.8	49.8	46.8	43.8	40.8
			0.050			99.1	88.8	83.6	78.5	73.3	68.2	63.1	57.9	52.8	47.6
		18	0.040*			62.9	56.0	52.6	49.2	45.7	42.3	38.9	35.5	32.0	28.6
			0.050*			89.5	80.2	75.5	70.8	66.2	61.5	56.8	52.1	47.5	42.8

Notes:

1 Values shown are uniformly distributed negative loads for multiple span conditions (≥3 spans).
2 Values do not include consideration of sub-framing or fasteners, to be determined by qualified personnel.
3 All pressures values reflect safety factor of 2.0 (Ultimate load/2.0).
4 Ultimate loads determined from ASTM E1592 testing which is limited to the assembly of metal panel, SymmeTry clip and fasteners system, does not include – flashing, sealants, sub-framing, metal studs, and insulation.
5 Requires use of SymmeTry Clip.
6 * Indicates tested material (all other values are interpolated).
7 Aluminum material confirming to 3003-H14; reach out to Morin technical for anodized (5005-H34) or any other Aluminum material.
8 For project specific calculations, please contact Morin Technical Services at 800-640-9501.

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July 22, 2025