



4566 RIDGE DRIVE NE
SALEM, OR 97301

SMOOTHWALL™ 150 WALL & SOFFIT PANEL

SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf																	
Ga.	Width in.	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load								Outward Load									
				I_{xx} in ⁴ /ft.	S_{xx} in ³ /ft	I_{xx}	in ⁴ /ft.	S_{xx}	in ³ /ft	2.5'	3'	3.5	4'	4.5'	5'	5.5'	6'	2.5'	3'	3.5	4'	4.5'	5'	5.5'	6'
26	12	50	1.09	0.0376	0.0431	0.0677		0.0553		172.5	119.8	88.0	67.4	53.3	43.1	35.6	30.0	221.1	153.5	112.8	86.4	68.2	55.3	45.7	38.4
24	12	50	1.28	0.0500	0.0569	0.0857		0.0700		237.2	164.7	121.0	92.7	73.2	59.3	49.0	41.2	280.0	194.4	142.9	109.4	86.4	70.0	57.9	48.6
22	12	50	1.61	0.0678	0.0837	0.1100		0.0900		334.8	232.5	170.8	130.8	103.3	83.7	69.2	58.1	360.0	250.0	183.7	140.6	111.1	90.0	74.4	62.5
20	12	50	2.01	0.0827	0.1051	0.1305		0.1078		420.2	291.9	214.5	164.2	129.8	105.1	86.9	73.0	431.2	299.4	220.0	168.4	133.1	107.8	89.1	74.9
18	12	50	2.61	0.1160	0.1560	0.1720		0.1441		624.0	433.3	318.4	243.8	192.6	156.0	128.9	108.3	576.4	400.3	294.1	225.2	177.9	144.1	119.1	100.1

1. Theoretical section properties have been calculated per AISI 2012 North American Specification for the Design of Cold-Formed Steel Structural Member.

I_{xx} and S_{xx} are effective section properties for deflection and bending.

2. Allowable load is calculated in accordance with AISI 2012 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers a **3 or more equal span condition**.

3. Allowable load does not address web crippling, fasteners, connection strength or support material.

4. Panel weight is not considered.

5. Load/Span values are based on theoretical computations and not load testing.

6. Deflection is **not considered**.

7. Allowable loads do not include a 1/3 stress increase for wind.

SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf																	
Ga.	Width in.	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load								Outward Load									
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4. Panel weight is not considered.

5. Load/Span values are based on theoretical computations and not load testing.

6. Deflection consideration is limited by a maximum deflection ratio of L/120 of span.

7. Allowable loads do not include a 1/3 stress increase for wind.

SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf																	
Ga.	Width in.	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load								Outward Load									
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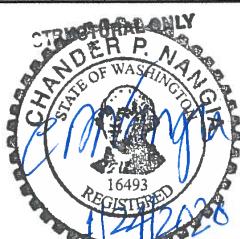
3. Allowable load does not address web crippling, fasteners, connection strength or support material.

4. Panel weight is not considered.

5. Load/Span values are based on theoretical computations and not load testing.

6. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.

7. Allowable loads do not include a 1/3 stress increase for wind.



EXPIRES 09-16-2020



4566 RIDGE DRIVE NE
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SMOOTHWALL™ 150 – 11/1 WALL & SOFFIT PANEL

SECTION PROPERTIES							ALLOWABLE UNIFORM LOADS, psf For various fastener spacings (i.e. span values)																
Ga.	Width in.	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load							Outward Load								
				I_{xx} in ⁴ /ft.	S_{xx} in ³ /ft	I_{xx} in ⁴ /ft.	S_{xx} in ³ /ft	2.5'	3'	3.5	4'	4.5'	5'	5.5'	6'	2.5'	3'	3.5	4'	4.5'	5'	5.5'	6'
26	12	50	1.09	0.0388	0.0432	0.0737	0.0623	172.6	119.9	88.1	67.4	53.3	43.2	35.7	30.0	249.3	173.1	127.2	97.4	76.9	62.3	51.5	43.3
24	12	50	1.28	0.0517	0.0594	0.0943	0.0801	237.6	165.0	121.2	92.8	73.3	59.4	49.1	41.3	320.4	222.5	163.5	125.2	98.9	80.1	66.2	55.6
22	12	50	1.61	0.0702	0.0837	0.1205	0.1024	334.8	232.5	170.8	130.8	103.3	83.7	69.2	58.1	409.6	284.4	209.0	160.0	126.4	102.4	84.6	71.1
20	12	50	1.95	0.8580	0.1050	0.1424	0.1222	420.0	291.7	214.3	164.1	129.6	105.0	86.8	72.9	488.8	339.4	249.4	190.9	150.9	122.2	101.0	84.9
18	12	50	2.53	0.1200	0.1578	0.1870	0.1627	631.2	438.3	322.0	246.6	194.8	157.8	130.4	109.6	650.8	451.9	332.0	254.2	200.9	162.7	134.5	113.0

1. Theoretical section properties have been calculated per AISI 2012 North American Specification for the Design of Cold-Formed Steel Structural Member.

I_{xx} and S_{xx} are effective section properties for deflection and bending.

2. Allowable load is calculated in accordance with AISI 2012 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers a **3 or more equal span condition**.

3. Allowable load does not address web crippling, fasteners, connection strength or support material.

4. Panel weight is not considered.

5. Load/Span values are based on theoretical computations and not load testing.

6. Deflection is **not considered**.

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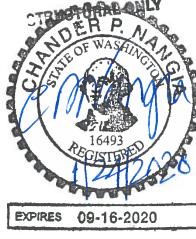
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