

Smoothwall™ 100 Wall & Soffit Panel

4566 RIDGE DRIVE NE SALEM, OR 97301

				SEC	TION PROPER	TIES	HOREINE BOULE ALL METHODOLOGIC PROPRIESTON		ALLOWABLE UNIFORM LOADS, psf For various fastener spacings (i.e. span values)															
		Width		Weight	Top in Co	mpression	Bottom in Co	ompression			DESTRUCTION OF THE PROPERTY OF	Inward	Load	MINISTER MANAGEMENT	HOTOLOGIC CONTRACTOR	20000				Outwa	rd Load	La Dadwood Institution of	September of the septem	ALTERNATION CONTRACTOR
G	Sa.	in.	Yield ksi	psf	l _{xx} in ⁴ /ft.	S _{xx} in³/ft	l _{xx} in ⁴ /ft.	S _{xx} in³/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'
2	26	12	50	1.09	0.0151	0.0253	0.0261	0.0305	101.2	70.3	51.7	39,6	31.3	25.3	20.9	17.6	122.0	84.7	62.2	47.7	37.7	30.5	25.2	21.2
2	24	12	50	1.28	0.0204	0.0354	0.0332	0.0388	141.6	98.3	72.2	55.3	43.7	35.4	29.3	24.6	155.2	107.8	79.2	60.6	47.9	38.8	32.1	26.9
	22	12	50	1.61	0.0279	0.0507	0.0429	0.0502	202.8	140.8	1.03.5	79.2	62.6	50.7	41.9	35.2	200.8	139.4	102.5	78.4	62.0	50.2	41.5	34.9

- 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.

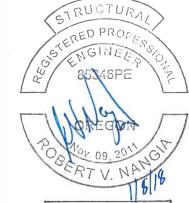
 Allowable load considers a 3 or more equal span condition.
- 3. Allowable load does not address web crippling, fasteners, connection strength or support material.
- 4. Panel weight is not considered.
- 5. Load/Span values are based on theoretical computations and not load testing.
- 6. Deflection is not considered.
- 7. Allowable loads do not include a 1/3 stress increase for wind.

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	Width Weight Top in Compression Bottom in Compression							Inward Load Outward Load															
Ga.	Width in.	Yield ksi	psf	l _{xx} in ⁴ /ft.	S _{xx} in³/ft	I _{xx} in ⁴ /ft.	S _{xx} in³/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	0.0151	0.0253	0.0261	0.0305	101.2	70.3	51.7	39.6	31.3	25.3	20.9	17.6	122.0	84.7	62.2	47.7	37.7	30.5	25.2	31.2
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- 4. Panel weight is not considered.
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- 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.

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	Midala		Minimin	Top in Co	mpression	Bottom in C	ompression			CORE COMMUNICATION	Inwar	d Load	THE RESIDENCE OF THE PERSON OF	CONTROL OF THE PARTY OF THE PAR	STATES A CONTROLLEGATION	PORCHERO CONTROL		ACTUAL CONTROL OF THE PARTY.	Outwa	rd Load	NAME OF TAXABLE PARTY.	Alder Trending (Inter-	
Ga.	Width in.	Yield ksi	Weight psf	l _{xx} in ⁴ /ft.	S _{xx} in³/ft	l _{xx} in ⁴ /ft.	S _{xx} in³/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	0.0151	0.0253	0.0261	0.0305	101.2	70.3	51.7	39.6	29.1	21.2	15.9	12.3	122.0	84.7	62.2	47.7	37.7	30.5	25.2	21.2
24	12	50	1.28	0.0204	0.0354	0.0332	0.0388	141.6	98.3	72.2	55.3	39.3	28.7	21.5	16.6	155.2	107.8	79.2	60.6	47.9	38.8	32.1	26.9
22	12	50	1.61	0.0279	0.0507	0.0429	0.0502	202.8	140.8	103.5	76.5	53.8	39.2	29.4	22.7	200.8	139.4	102.5	78.4	62.0	50.2	41.5	34.9

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- 6. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
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Smoothwall™ 100 - 11/1 Wall & Soffit Panel

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)All dab		141-1-1-	Top in Co	mpression	Bottom in C	ompression				inwar	Load			- CONTRACTOR CONTRACTO				Outwa	rd Load		and the second second	
Ga.	Width in.	Yield ksi	Weight psf	l _{xx} in ⁴ /ft.	S _{xx} in³/ft	I _{xx} in ⁴ /ft.	S _{xx} in³/ft	2.5'	3'	3.5	4'	4.5	5'	5.5'	6'	2.51	3'	3.5	4'	4.5'	5'	5.5'	6,
26	12	50	1.09	0.0160	0.0258	0.0297	0.0351	103.0	71.6	52.6	40.3	31.8	25.8	21.3	17.9	140.6	97.6	71.7	54.9	43.4	35.1	29.0	24.4
24	12	50	1.28	0.0212	0.0356	0.0374	0.0447	142.3	98.8	72.6	55.6	43.9	35.6	29.4	24.7	178.9	124.2	91.3	69.9	55.2	44.7	37.0	31.1
22	12	50	1.61	0.0285	0.0502	0.0471	0.0570	200.8	139.4	102.5	78.4	62.0	50.2	41.5	34.9	228.0	158.3	116.3	89.1	70.4	57.0	47.1	39.6

- 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.
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	Width		Malaka	Top in Co	mpression	Bottom in C	ompression				Inwar	d Load			NOOM STONE S				Outwa	rd Load								
Ga.	in.	Yield ksi	Weight psf	l _{xx} in ⁴ /ft.	S _{xx} in³/ft	l _{xx} in ⁴ /ft.	S _{xx} in³/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'					
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		tar Isl			Top in Co	mpression	Bottom in C	ompression		The British Delication	The constitutions	Inward	Load			NOTHIN MICHIGAN AND				Outwa	rd Load			
G	ia.	Width in.	Yield ksi	Weight psf	l _{xx} in⁴/ft.	S _{xx} in ³ /ft	l _{xx} in ⁴ /ft.	S _{xx} in³/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'
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