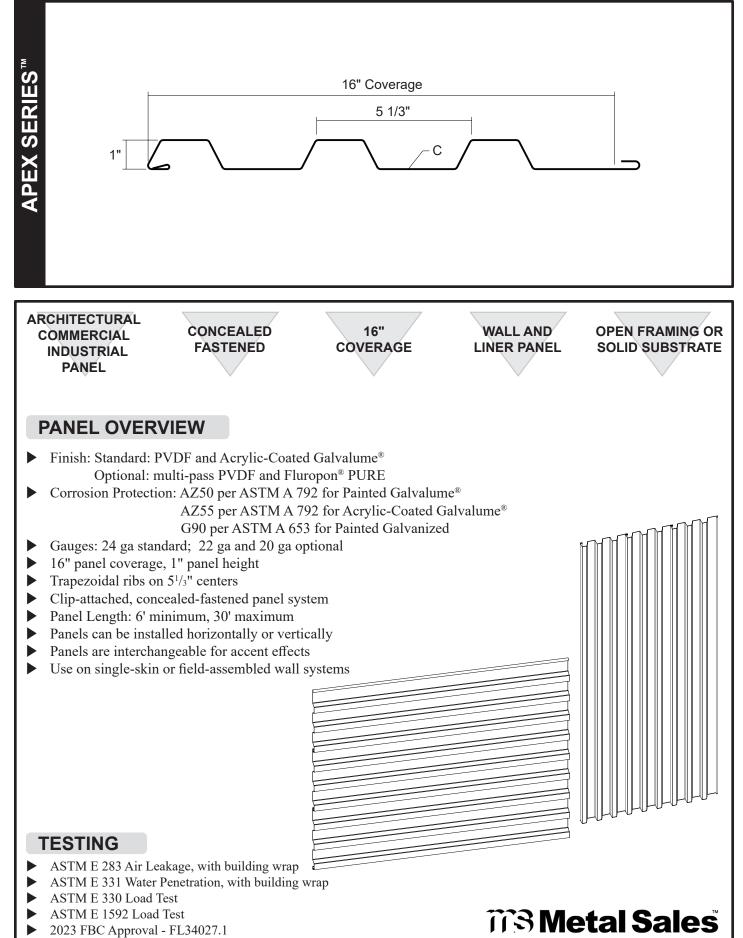
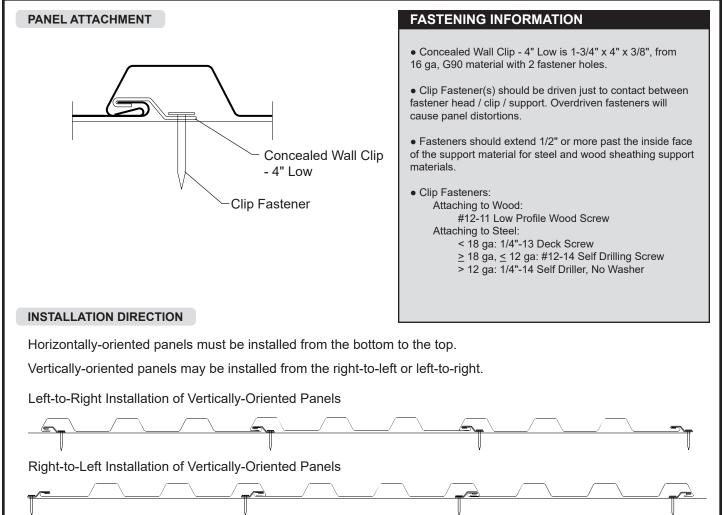
AP1-1653 WALL



AP1-1653 WALL

Condensed Technical Reference



SECTION PROPERTIES									ALLOWABLE UNIFORM LOADS, psf For various clip spacings									
Ga	Width in	Yield ksi	Weight psf		mpression	Bottom In Compression		Inward Load				Outward Load						
				lxx in⁴/ft	Sxx in³/ft	lxx in⁴/ft	Sxx in³/ft											
								2'	3'	4'	5'	6'	2'	3'	4'	5'	6'	
24	16	50	1.25	0.0428	0.0671	0.0383	0.0801	117	60	38	27	21	87	52	37	28	23	
22	16	50	1.64	0.0615	0.0986	0.0548	0.1121	117	60	38	27	21	87	52	37	28	23	
20	16	33	2.00	0.0840	0.1422	0.0758	0.1412	117	60	38	27	21	87	52	37	28	23	

1. Theoretical section properties have been calculated per AISI S100 2016(20) 'North American Specification for the Design of Cold-Formed Steel Structural Members'. Ixx and Sxx are effective section properties for deflection and bending.

2. Allowable load is calculated in accordance with AISI S100 specification considering bending, shear, combined bending & shear, deflection and load testing of comparable profiles on 16 ga girts. Allowable load does not address web crippling, fasteners or support material. Panel weight is not considered.

3. Allowable load considers the three or more equal spans condition.

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

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

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