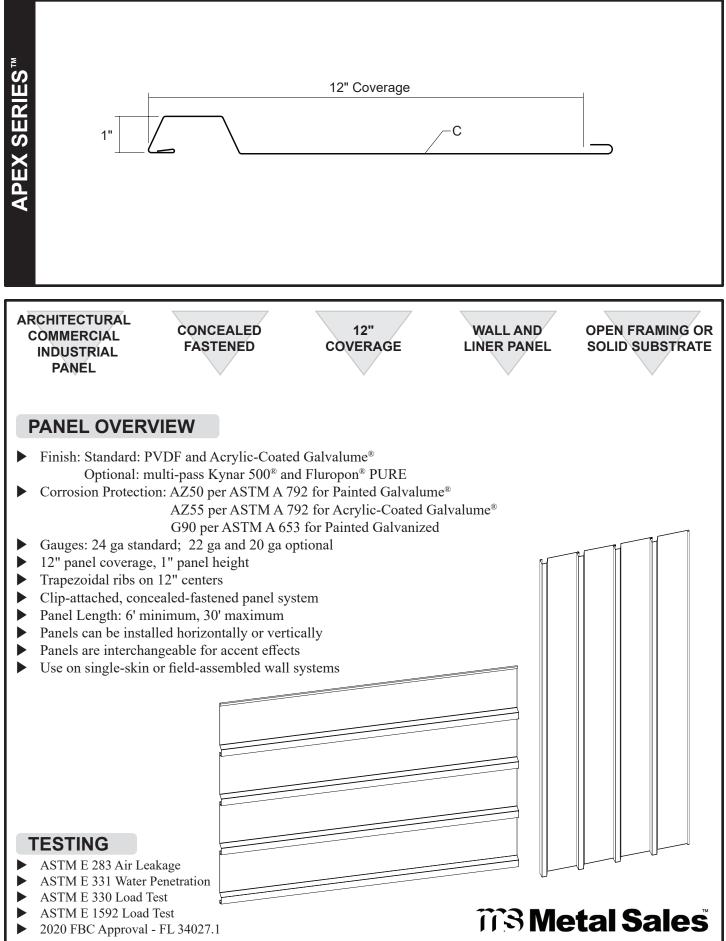
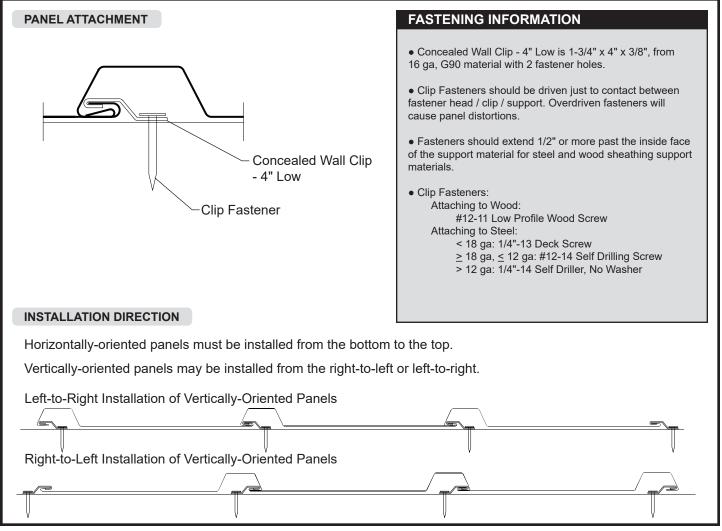
## **AP1-1212 WALL**



# **AP1-1212 WALL**

### Condensed Technical Reference



SECTION PROPERTIES									ALLOWABLE UNIFORM LOADS, psf For various clip spacings									
	Width in	<b>Yield</b> ksi	Weight psf	Top In Compression Bottom In Compression			Inward Load					Outward Load						
Ga				<b>Ixx</b> in⁴/ft	<b>Sxx</b> in³/ft	<b>lxx</b> in⁴/ft	Sxx in³/ft					Outward Load						
								2'	3'	4'	5'	6'	2'	3'	4'	5'	6'	
24	12	50	1.21	0.0260	0.0329	0.0207	0.0388	117	60	38	27	21	100	60	42	31	21	
22	12	50	1.58	0.0375	0.0482	0.0290	0.0516	117	60	38	27	21	100	60	42	31	21	
20	12	33	1.91	0.0527	0.0691	0.0394	0.0648	117	60	38	27	21	100	60	42	31	21	

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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