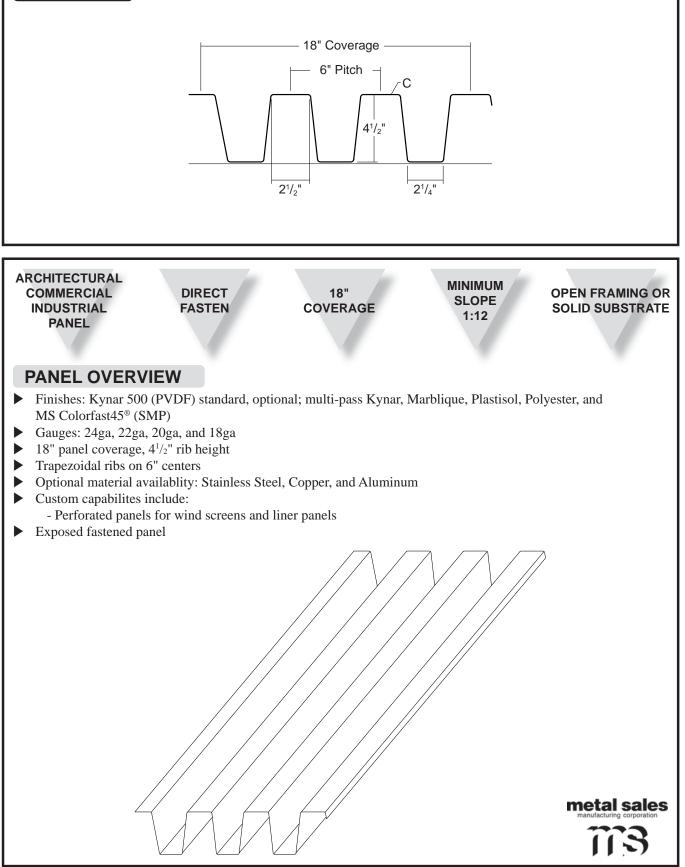
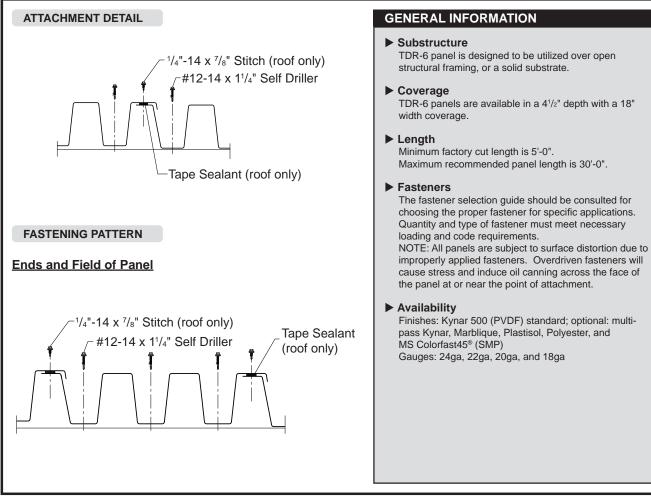
## TDR-6 ROOF PANEL

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SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS PSF (3 or More Equal Spans)												
Ga.	Width (in.)	Yield KSI	Weight PSF	Top in Compression		Bottom in Compression		Inward					Outward/Uplift							
				lxx In⁴/ft	Sxx In³/ft	lxx In⁴/ft	Sxx In³/ft	Load				Load								
								6'	7'	8'	10'	12'	14'	6'	7'	8'	10'	12'	14'	
24	18"	50	2.20	1.3404	0.5100	1.3140	0.4551	195	155	126	88	64	49	204	164	135	95	70	53	
22	18"	50	2.92	2.0407	0.8525	2.0020	0.7509	380	295	235	158	113	85	409	321	257	175	126	95	
20	18"	33	3.45	2.6373	1.1611	2.7187	1.1059	429	323	252	164	115	85	447	337	263	172	121	89	
18	18"	33	4.55	3.6493	1.5833	3.7460	1.5610	634	472	365	236	165	122	643	479	370	239	167	123	

1. Theoretical section properties have been calculated per AISI 2001 "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 2001 specifications considering bending, shear, combined bending and shear, deflection, and applicable testing when available. Allowable load considers the worst case of 3 and 4 equal span conditions. Allowable load does not address web crippling or fasteners/support connection and panel weight is not considered.

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

4. Allowable loads do not include a 1/3 stress increase in uplift.



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