

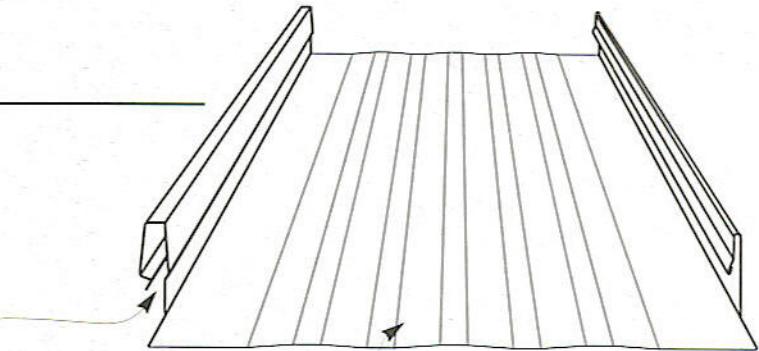
# Design Span®

Featuring

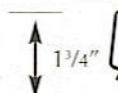
## Zincalume® For Twice the Life!

Zincalume combines the strength of steel with the corrosion resistance of aluminum for twice the life of most zinc coatings.

Can be factory notched  
for a clean detail and  
reduction in labor.



Now available with  
subtle striations for a  
clean pan (17", 18" and  
24" widths).



17" and 12" coverage standard, 18" and 24" widths are  
available as non-standard offers.

**D**esign Span® is a performance-rated structural standing seam metal roof system with net coverage of 12" to 24".

Design Span is excellent as a roof over metal or wood decking, and as a fascia or mansard over plywood or supports.

- Wind uplift tested in accordance with UL580 and ASTM E1592.
- Meets UL Class 90 wind uplift requirement for 12", 17" and 18" widths.
- Can be installed over solid substrates or spaced support members at spans up to 4'-0" (Call an AEP Span representative for greater spans).
- Subtle striations between ribs on 17" and wider panels reduce the appearance of oil-canning.
- Factory applied sealant is standard.
- Has been tested for air infiltration per ASTM E1680, and water infiltration per ASTM E1646.
- Design Span is correctively leveled to insure the flattest panel appearance.
- Snap-On panel, no field seaming required.
- 12" panel has Corps of Engineers approval.
- Available standard in the DuraTech™5000 (polyvinylidene fluoride) coating system, unpainted Zincalume® Plus, ZActique®II treatment or 16oz. Real Copper (17" std).
- Offered with a 1-1/8" factory notch at the end of both ribs, at one end of the panel. These notches reduce field labor and make installation easier (See back for illustration).

Design Span® Section Properties					
Design Span®-12"					
Gauge	Wt. (lbs./ft. <sup>2</sup> )	S+ (in. <sup>3</sup> /ft.)	I+ (in. <sup>4</sup> /ft.)	S- (in. <sup>3</sup> /ft.)	I- (in. <sup>4</sup> /ft.)
24	1.39	0.0822	0.1178	0.0648	0.0595
22	1.78	0.1046	0.1502	0.0932	0.0834
Design Span®-17 and 18"					
Gauge	Wt. (lbs./ft. <sup>2</sup> )	S+ (in. <sup>3</sup> /ft.)	I+ (in. <sup>4</sup> /ft.)	S- (in. <sup>3</sup> /ft.)	I- (in. <sup>4</sup> /ft.)
24	1.24	0.0566	0.0859	0.0434	0.0399
22	1.58	0.0721	0.1096	0.0625	0.0559
Design Span®-24"					
Gauge	Wt. (lbs./ft. <sup>2</sup> )	S+ (in. <sup>3</sup> /ft.)	I+ (in. <sup>4</sup> /ft.)	S- (in. <sup>3</sup> /ft.)	I- (in. <sup>4</sup> /ft.)
24	1.17	0.045	0.0678	0.0326	0.03
22	1.49	0.0552	0.0866	0.047	0.0421