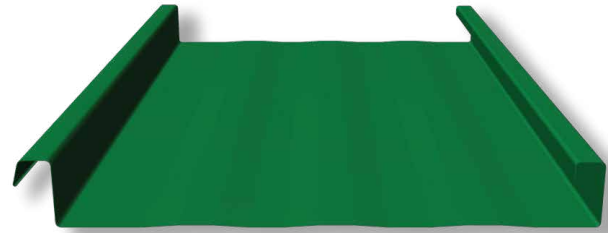
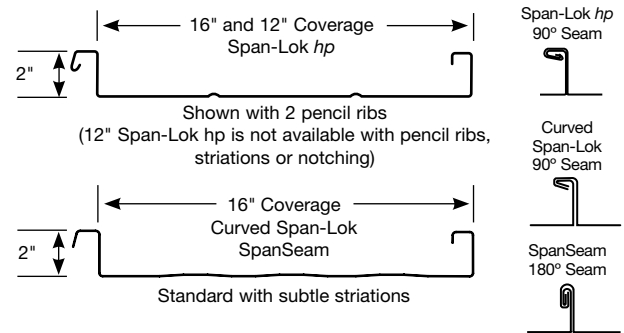


## Span-Lok hp, Curved Span-Lok, & SpanSeam

Performance-rated architectural standing seam metal roof systems.



16" panel comes standard with subtle striations



The mechanically seamed 2" high rib, provides aesthetic appeal and weathertightness that can be used in a wide variety of new construction or retrofit applications.

Properties										Standard Finishes	
Width	Gauge	Base Steel Thickness (in)	Yield (ksi)	Tensile (ksi)	Wt. (lbs/ft²)	I+ (in⁴/ft)	S+ (in³/ft)	I- (in⁴/ft)	S- (in³/ft)	Metallic Coating	Paint System
16"	24	0.0232	50	65	1.36	0.1865	0.1132	0.1165	0.0665	AZ50	Cool Dura Tech™ 5000 (polyvinylidene fluoride) or Cool Dura Tech™ mx (metallic polyvinylidene)
	22	0.0294	50	65	1.71	0.2395	0.1485	0.1515	0.0935	AZ50	
12"	24	0.0232	50	65	1.49	0.2290	0.1449	0.1491	0.0884	AZ50	
	22	0.0294	50	65	1.86	0.2959	0.1937	0.1937	0.1242	AZ50	

**NOTES:** The moments of inertia, I<sup>+</sup> and I<sup>-</sup>, presented for determining deflection are:  $(2I_{\text{Effective}} + I_{\text{Gross}})/3$

### standard features

- Custom manufactured sheet lengths from 6'-0" to 45'-0".
- Available in 24ga and 22ga in standard finishes - Refer to AEP Span Color Charts for full range of color options, prints textures, finishes and paint systems.
- Can be installed on pitches as low as ¼":12".
- 16" Span-Lok hp comes standard with subtle striations.
- Factory applied sealant is standard (Except for curved panels).
- 16" Span-Lok hp is Factory Mutual class 1-75 (5' span) and class 1-120 (2½' span) approved with 2.5" and 3" standard (purlin) clip.
- Has been tested for air infiltration per ASTM E1680, and water infiltration per ASTM E1646 and ASTM E2140.
- Tested in accordance with UL580 and ASTM E1592; uplift capacities exceed 200 psf.
- Panel assemblies are Class A Fire Rated when installed on non-combustible deck or framing per IBC or IRC. Panel assemblies are also Class A Fire Rated per UL790 when installed in accordance to UL listings.
- Panel evaluated by accredited third party. All structural performance data is contained within an IBC/IRC 2018 code compliance report #ER-0309.



### optional features

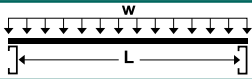
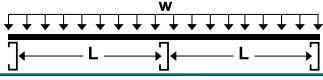
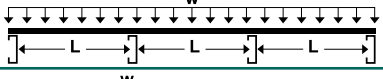

- Factory notching available for turn under at the eave with 16" Span-Lok hp, 16" Curved Span-Lok, and 16" SpanSeam. Notch provides a clean detail and reduction in labor.
- 16" Span-Lok hp, 16" Curved Span-Lok, and 16" SpanSeam available with two pencil ribs.
- 12" Span-Lok hp is not available with pencil ribs, striations, or notching.
- Optional flat-pan available in 16" panel.
- 16" 22ga Span-Lok available machine curved (factory or field) for 35' radiused applications.
- Short cut sheets from 6'-0" to 1'-0". Additional fees and lead times may apply.
- Steel conforming to Buy America available.

16" Width									
Gauge	Span	Cond.	Allowable Inward Loads (lbs/ft²) per Span (ft.-in.)						
			2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
24	Single Span	W/Q	266	212	177	152	133	112	90
		L/180	2038	1043	604	380	255	179	130
	Double Span	W/Q	159	127	106	91	78	62	51
		L/180	4908	2513	1454	916	614	431	314
	Triple Span	W/Q	181	144	120	103	90	76	63
		L/180	3845	1969	1139	717	481	338	246
22	Single Span	W/Q	401	321	267	229	185	146	119
		L/180	2617	1340	775	488	327	230	167
	Double Span	W/Q	193	155	129	111	97	86	72
		L/180	>5k	3227	1868	1176	788	553	403
	Triple Span	W/Q	220	176	147	126	110	98	88
		L/180	4938	2528	1463	921	617	434	316

12" Width									
Gauge	Span	Cond.	Allowable Inward Loads (lbs/ft²) per Span (ft.-in.)						
			2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
24	Single Span	W/Q	354	283	236	202	177	143	116
		L/180	2502	1281	741	467	313	220	160
	Double Span	W/Q	212	169	141	121	103	83	68
		L/180	>5k	3086	1786	1125	753	529	386
	Triple Span	W/Q	241	193	160	138	120	102	83
		L/180	4722	2417	1399	881	590	415	302
22	Single Span	W/Q	534	427	356	305	242	191	155
		L/180	3233	1655	958	603	404	284	207
	Double Span	W/Q	258	206	172	147	129	115	95
		L/180	>5k	3987	2307	1453	973	684	498
	Triple Span	W/Q	293	234	195	167	147	130	117
		L/180	>5k	3123	1807	1138	763	536	390

Gauge	Maximum Allowable Outward Loads (lbs/ft²) per Span (ft.-in.)*								
	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
24	190	174	158	142	126	110	94	77	61
22	241	220	199	178	158	137	116	95	74

Gauge	Maximum Allowable Outward Loads (lbs/ft²) per Span (ft.-in.)*								
	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
24	217	200	183	166	149	132	115	98	81
22	217	200	183	166	149	132	115	98	81

LOADING TABLE LEGEND		
W/Q - Allowable panel strength		
L - Span (Inches)		
L/180 - Load limited by a deflection of 1/180 of the span		
W - Distributed load		
Inward Loads	Single span	
	Double span	
	Triple span	
Outward Loads		

### NOTES:

- The information in these tables applies to uniform loads only.
  - Upper values based on allowable panel strength. Bottom values based on allowable service load deflection of L/180.
  - Steel conforms to ASTM A792 (ZINCALUME®) 50,000 psi minimum yield.
  - Values are based on AISI S100-16/S1-18.
  - Maximum allowable outward load capacities are shown and dependent upon fastener-to-substrate capacities. Refer to IAPMO-UES report #ER-0309 for specific product capacities.
- \* Maximum allowable outward loads apply to Span-Lok hp and SpanSeam only, using Purlin clip. Other configurations are located within #ER-0309 report.
- Specifications subject to change without notice.

**Oil Canning** : All flat metal surfaces can display waviness commonly referred to as "oil canning". "Oil canning" is an inherent characteristic of steel products, not a defect, and therefore is not a cause for panel rejection.

