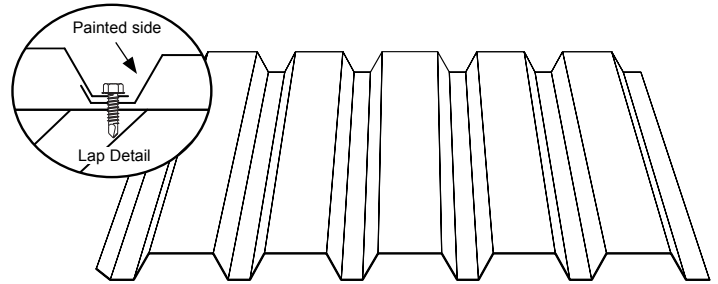
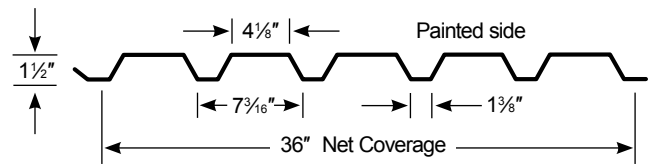




Box Rib is an economical, structural, exposed-fastener wall panel suitable for general usage.



Box Rib (Wall Applications only)



Box Rib is ideal for vertical and horizontal wall applications, ceilings or soffits.

Properties									Standard Finishes	
Gauge	Base Steel Thickness (in)	Yield (ksi)	Tensile (ksi)	Wt. (lbs/ft ²)	I+ (in ⁴ /ft)	S+ (in ³ /ft)	I- (in ⁴ /ft)	S- (in ³ /ft)	Metallic Coating	Paint System
29	0.0140	80	82	0.75	0.0517	0.0453	0.0581	0.0455	AZ50	ColorGuard™xt
26	0.0170	80	82	0.95	0.0731	0.0636	0.0827	0.0633	AZ50	Cool DuraTech® nt
24	0.0230	50	65	1.25	0.0993	0.1001	0.1200	0.1109	AZ50	Cool DuraTech® 5000 (polyvinylidene fluoride) or DuraTech mx (metallic polyvinylidene)
22	0.0290	50	65	1.57	0.1289	0.1473	0.1556	0.1557	AZ50	
20	0.0350	40	55	1.92	0.1644	0.1869	0.1956	0.1964	G90*	
18	0.0460	40	55	2.46	0.2256	0.2513	0.2522	0.2597	G90	

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

*Bare 20 gauge has a AZ50 metallic coating.

standard features

- Custom manufactured sheet lengths from 5'-0" to 45'-0."
- Available in 29ga, 26ga, 24ga and 22ga in standard finishes – refer to AEP Span Color Charts for full range of color options and paint systems.
- 20ga available in Bare Zincolume® plus.
- Zincolume® coated substrate, per ASTM A-792, is standard and backed by a corrosion warranty on painted or unpainted panels.
- Meets IBC requirements for wall and roof panels in accordance to Chapters 14 & 15.
- Performance testing:
 - Air – ASTM E283
 - Water –ASTM E331
- All colors meet a minimum SRI of 29 and one color, Regal White has a SRI of 85.
- Reverse rolled Box Rib available for roof applications. See Reverse Box Rib product information.

optional features

- Short cut sheets from 5'-0" to 1'-0". Additional fees and lead times may apply.
- 20ga available in standard colors subject to a minimum order size of 4,500 square feet and longer lead times.
- 18ga available in bare G-90 galvanized and standard colors subject to a minimum order size of 4,500 square feet and longer lead times.
- Custom colors, thick film primer and/or clear coat paint finishes available. Subject to 4,500 square feet minimum order. * (See back)
- Perforation options available for an additional charge. Minimum order size 1,500 sq feet. Select from standard perforation patterns with open areas of 7.8%, 13.8%, 23.4%, 30.6% or 41.4%.
- Crimp curving:
 - 24 gage – max length 30'-0", Min outside radius 24"
 - 22 gage - max length 30'-0", Min outside radius 24"
 - 20 gage - max length 30'-0", Min outside radius 48"
 - 18 gage - max length 20'-0", Min outside radius 48"
- Stucco embossed available on 29ga, 26ga, 24ga and 22ga. Subject to min. order size of 1,500 square feet.



Gauge	Span	Cond.	Allowable Inward Loads (lbs/ft ²) per Span (ft.-in.)								
			16"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	5'-0"	8'-0"	10'-0"
29	SS	f	611	271	174	121	68	43	30	17	11
		L/180	-	-	-	-	-	36	21	9	5
	DS	f	613	272	174	121	68	44	30	17	11
		L/180	-	-	-	-	-	-	-	-	11
	TS	f	766	340	218	151	85	54	38	21	14
		L/180	-	-	-	-	-	-	-	19	10
26	SS	f	856	381	244	169	95	61	42	24	15
		L/180	-	-	-	-	-	51	30	12	6
	DS	f	853	379	243	169	95	61	42	24	15
		L/180	-	-	-	-	-	-	-	-	-
	TS	f	1067	474	303	211	119	76	53	30	19
		L/180	-	-	-	-	-	-	-	28	14
24	SS	f	1124	499	320	222	125	80	55	31	20
		L/180	-	-	-	-	-	69	40	17	9
	DS	f	1245	553	354	246	138	89	61	35	22
		L/180	-	-	-	-	-	-	-	-	21
	TS	f	1556	692	443	307	173	111	77	43	28
		L/180	-	-	-	-	-	-	-	37	19
22	SS	f	1654	735	470	327	184	118	82	46	29
		L/180	-	-	-	-	176	90	52	22	11
	DS	f	1748	777	497	345	194	124	86	49	31
		L/180	-	-	-	-	-	-	-	-	27
	TS	f	2185	971	621	432	243	155	108	61	39
		L/180	-	-	-	-	-	-	-	-	27
20	SS	f	1679	746	478	332	187	119	83	47	30
		L/180	-	-	-	-	-	115	67	28	14
	DS	f	1764	784	502	348	196	125	87	49	31
		L/180	-	-	-	-	-	-	-	-	-
	TS	f	2205	980	627	436	245	157	109	61	39
		L/180	-	-	-	-	-	-	-	49	25
18	SS	f	2257	1003	642	446	251	161	111	63	40
		L/180	-	-	-	-	-	158	91	39	20
	DS	f	2332	1037	663	461	259	166	115	65	41
		L/180	-	-	-	-	-	-	-	-	-
	TS	f	2915	1296	829	576	324	207	144	81	52
		L/180	-	-	-	-	-	-	-	-	44

LOADING TABLE LEGEND		
f - Load limited by flexural bending stress		
L - Span (Inches)		
L/180 - Load limited by a deflection of 1/180 of the span		
w - Distributed load		
Inward Loads	SS-Single span	
	DS-Double span	
	TS-Triple span	

NOTES:

- Top values based on allowable stress.
Bottom values based on allowable deflection of L/180.
- "-" denotes that the allowable load is limited by the allowable flexural bending stress.
- Steel conforms to ASTM A653 (Galvanized) or ASTM A792 (Zincalume) structural steel.
- Tabulated values are for positive (Inward) loading only.
- Values are based on the American Iron and Steel Institute (AISI) "Cold Formed Steel Design Manual" (2007 Edition).

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.

* Inquire with AEP Span representative regarding premium Vintage® and DuraTech® Dimensional Prints availability.