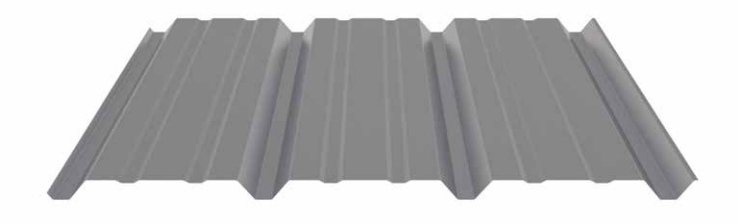
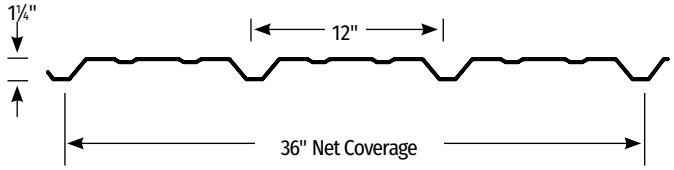
Reversed PBR Panel Siding

Reversed PBR Panel is an economical, structural, through-fastened wall panel suitable for general usage.



Reversed PBR Panel is ideal for equestrian housing, farm equipment storage or other post-frame buildings.



Properties									Standard Finishes	
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
26	0.0173	80	82	0.85	0.0396	0.0457	0.0460	0.0377	AZ50	Cool Dura Tech™ *nt*
24	0.0232	50	65	1.14	0.0567	0.0629	0.0644	0.0609	AZ50	Cool Dura Tech™ *5000* (polyvinylidene fluoride) or Cool Dura Tech™ *mx* (metallic polyvinylidene)
22	0.0294	50	65	1.44	0.0744	0.0807	0.0833	0.0853	AZ50	

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

standard features

- 36” coverage wall panel.
- Wall Installation: Horizontal or Vertical.
- Gauges: 22ga, 24ga and 26ga in standard finishes.
- Refer to AEP Span Color Charts for full range of color options and paint systems.
- Custom manufactured panel lengths: 6”-0” to 50”-0”.
- Matching polycarbonate panels available.
- Purlin-bearing leg speeds installation and improves the quality of panel side laps providing a consistent weather resistant joint.
- Wall assemblies rated for fire resistance (UL263) when installed in accordance with UL listings.
- Building Code Approval Report: IAPMO-UES #ER-0550.
- Manufactured in Sacramento, CA.

optional features

- Short cut sheets from 6'-0" to 1'-0". Additional fees and lead times may apply.
- Custom colors, thick film primer and/or clear coat paint finishes available. Subject to 4,500 square feet minimum order.
- Perforation options available for an additional charge. Minimum order size 1,500 square feet. Select from standard perforation patterns with open areas of 7.8%, 13.8%, 23.4%, 30.6% or 41.4%.
- Stucco embossed available in 26ga, 24ga, and 22ga. Subject to minimum order size of 1,500 square feet.
- Steel conforming to Buy America available. Inquire for more information.

Customer Service Center
Tacoma, WA.
Phone: 800-733-4955
Fax: 253-272-0791

For most current versions of literature please visit **www.aepspan.com**

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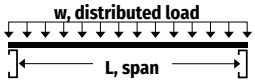
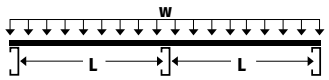
Gauge	Span	Cond.	Allowable Inward Loads (lbs/ft²) per Span (ft.-in.)								
			2'-0"	2"-6"	3'-0"	3'-6"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"
26	Single Span	ASD, W/Ω	274	175	122	89	68	44	30	22	17
		L/180	-	-	-	81	54	28	16	10	7
	Double Span	ASD, W/Ω	213	139	98	72	56	35	24	18	14
		L/180	-	-	-	-	-	-	-	-	-
	Triple Span	ASD, W/Ω	261	171	120	89	69	44	30	22	17
		L/180	-	-	-	-	-	-	30	19	13
24	Single Span	ASD, W/Ω	314	201	140	103	79	50	35	26	20
		L/180	-	-	-	-	77	40	23	14	10
	Double Span	ASD, W/Ω	293	190	132	98	75	47	33	25	18
		L/180	-	-	-	-	-	-	-	-	-
	Triple Span	ASD, W/Ω	359	234	164	122	93	60	41	30	23
		L/180	-	-	-	-	-	-	-	27	18
22	Single Span	ASD, W/Ω	403	258	179	131	101	64	45	33	25
		L/180	-	-	-	-	-	52	30	19	13
	Double Span	ASD, W/Ω	410	266	186	137	105	67	46	34	26
		L/180	-	-	-	-	-	-	-	-	-
	Triple Span	ASD, W/Ω	505	329	231	170	131	84	59	43	33
		L/180	-	-	-	-	-	-	57	36	24

Inward Loads

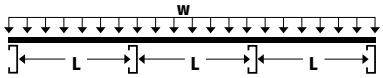
Single Span



Double Span



Triple Span



NOTES:

Top values based on allowable stress (ASD). Bottom values based on a deflection limit of L/180.

"-" denotes that the allowable load is limited by the panel stress (ASD) vs. deflection limit.

Steel conforms to ASTM A653 (Galvanized) or ASTM A792 (ZINCALUME) structural steel.

Tabulated values are for positive (inward) uniform loading only.

Values are based on the American Iron and Steel Institute "Cold Formed Steel Design Manual" (AISI S100-16).

Refer to www.aepspan.com for more complete performance data, including outward (wind uplift) panel attachment tables.

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.

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