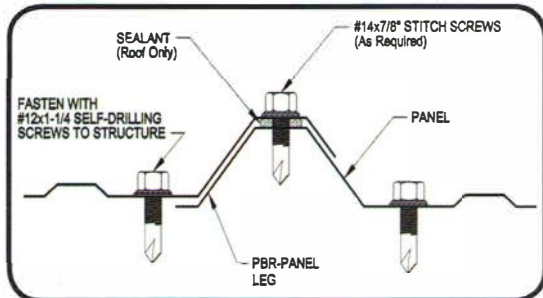
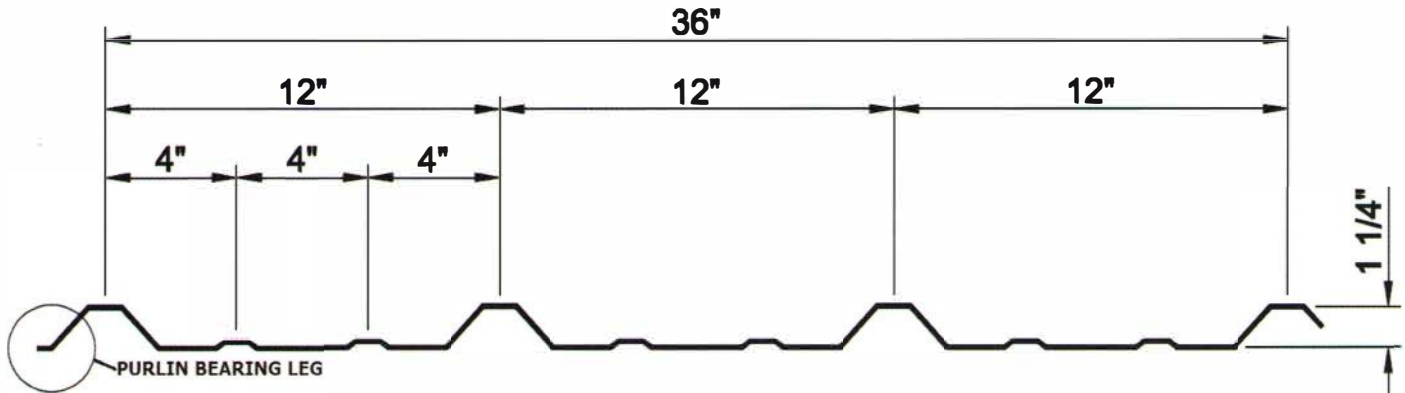


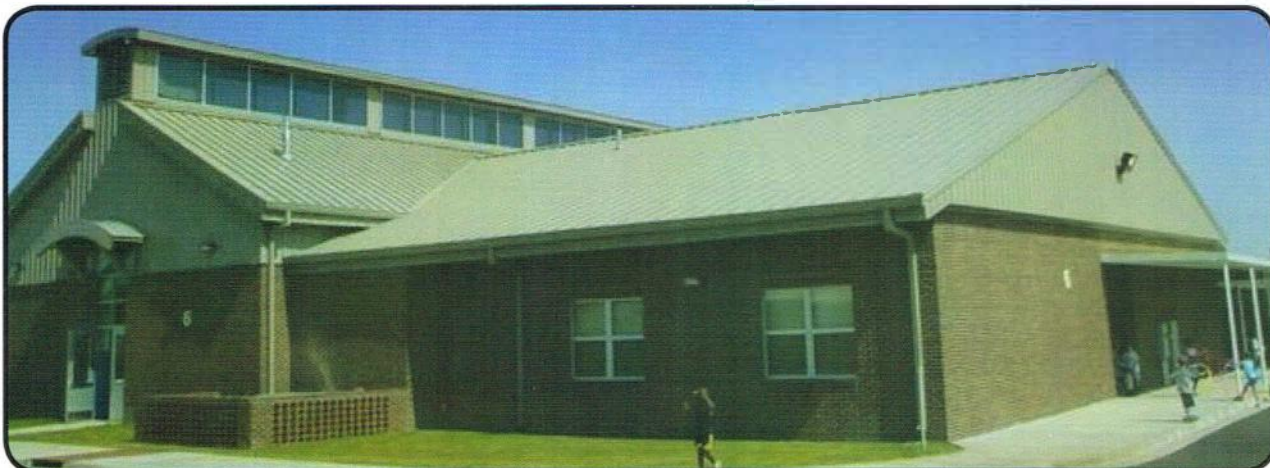


PBR PANEL

Efficient, Effective Roof And Wall Panel



- 36" Wide Panel Coverage With Positive Fastening
- Excellent For Roof, Wall, Soffit and Parapet Backer Applications
- Purlin Bearing Rib Provides Superior Weather Resistance
- Industry Standard Commercial and Residential Profile
- Can Used On Slopes As Low As 1:12 With Field Applied Mastic
- Texas Department Of Insurance Windstorm Tested #RC-433
- UL Class 90 Wind Uplift Rated Over Multiple Substrates
- UL 2218 Class 4 Impact (Hail) Resistance Rating
- UL 263 Class A One-Hour Fire Resistance Rated
- Matching Light Transmitting Panels Are Available
- Available In Several Gauges, Finishes And Colors



PBR PANEL

SECTION PROPERTIES

SECTION PROPERTIES								
			PANEL TOP IN COMPRESSION			PANEL BOTTOM IN COMPRESSION		
PANEL	Fy	WEIGHT	Ixe	Sxe	Maxo	Ixe	Sxe	Maxo
GAUGE	(KSI)	(PSI)	(IN. 4/FT.)	(IN. 3/FT.)	(KIP-IN.)	(IN. 4/FT.)	(IN. 3/FT.)	(KIP-IN.)
26	80	0.85	0.0378	0.0387	1.394	0.0345	0.0458	1.648
24	50	1.11	0.0560	0.0593	1.777	0.0467	0.0603	1.808
22	50	1.38	0.0757	0.0817	2.446	0.0600	0.0757	2.274

	SPAN TYPE	LOAD TYPE	SPAN IN FEET									
			3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5
ALLIANCE R-PANEL ALLOWABLE LIVE LOADS - ALL LOADS IN POUNDS PER SQUARE FOOT												
26 Gauge (Fy=80 ksi)	SINGLE	STRESS	103.3	75.9	58.1	45.9	37.2	30.7	25.8	22.0	19.0	16.5
		DEFLECTION	103.3	75.9	58.1	45.9	37.2	29.8	22.9	18.0	14.4	11.7
	2-SPAN	STRESS	122.1	89.7	68.7	54.3	44.0	36.3	30.5	26.0	22.4	19.5
		DEFLECTION	122.1	89.7	68.7	54.3	44.0	36.3	29.8	23.5	18.8	15.3
	3-SPAN	STRESS	142.6	104.8	80.2	63.4	51.3	42.4	35.7	30.4	26.2	22.8
		DEFLECTION	142.6	104.8	80.2	63.4	51.3	42.4	35.7	30.4	26.2	22.1
24 Gauge (Fy=80 ksi)	SINGLE	STRESS	131.6	96.7	74.0	58.5	47.4	39.2	32.9	28.0	24.2	21.1
		DEFLECTION	131.6	96.7	74.0	58.5	47.4	39.2	32.9	26.7	21.4	17.4
	2-SPAN	STRESS	134.0	98.4	75.3	59.5	48.2	39.9	33.5	28.5	24.6	21.4
		DEFLECTION	134.0	98.4	75.3	59.5	48.2	39.9	33.5	28.5	24.6	21.4
	3-SPAN	STRESS	156.5	115.0	88.0	69.5	56.3	46.6	39.1	33.3	28.7	25.0
		DEFLECTION	156.5	115.0	88.0	69.5	56.3	46.6	39.1	33.3	28.7	25.0
22 Gauge (Fy=80 ksi)	SINGLE	STRESS	181.2	133.1	101.9	80.5	65.2	53.9	45.3	38.6	33.3	29.0
		DEFLECTION	181.2	133.1	101.9	80.5	65.2	53.9	45.3	36.1	28.9	23.5
	2-SPAN	STRESS	168.4	123.7	94.7	74.9	60.6	50.1	42.1	35.9	30.9	26.9
		DEFLECTION	168.4	123.7	94.7	74.9	60.6	50.1	42.1	35.9	30.9	26.9
	3-SPAN	STRESS	196.8	144.6	110.7	87.4	70.8	58.5	49.2	41.9	36.1	31.5
		DEFLECTION	196.8	144.6	110.7	87.4	70.8	58.5	49.2	41.9	36.1	31.5
ALLIANCE R-PANEL ALLOWABLE WIND UPLIFT LOADS - ALL LOADS IN POUNDS PER SQUARE FOOT												
26 Gauge (Fy=80 ksi)	SINGLE	STRESS	122.1	89.7	68.7	54.3	44.0	36.3	30.5	26.0	22.4	19.5
		DEFLECTION	122.1	89.7	68.7	49.6	36.2	27.2	20.9	16.5	13.2	10.7
	2-SPAN	STRESS	103.3	75.9	58.1	45.9	37.2	30.7	25.8	22.0	19.0	16.5
		DEFLECTION	103.3	75.9	58.1	45.9	37.2	30.7	25.8	21.4	17.2	13.9
	3-SPAN	STRESS	120.6	88.6	67.9	53.6	43.4	35.9	30.2	25.7	22.2	19.3
		DEFLECTION	120.6	88.6	67.9	53.6	43.4	35.9	30.2	25.7	22.2	19.3
24 Gauge (Fy=80 ksi)	SINGLE	STRESS	134.0	98.4	75.3	59.5	48.2	39.9	33.5	28.5	24.6	21.4
		DEFLECTION	134.0	98.4	75.3	59.5	48.2	36.8	28.3	22.3	17.8	14.5
	2-SPAN	STRESS	131.6	96.7	74.0	58.5	47.4	39.2	32.9	28.0	24.2	21.1
		DEFLECTION	131.6	96.7	74.0	58.5	47.4	39.2	32.9	28.0	23.2	18.9
	3-SPAN	STRESS	153.8	113.0	86.5	68.3	55.4	45.8	38.4	32.8	28.2	24.6
		DEFLECTION	153.8	113.0	86.5	68.3	55.4	45.8	38.4	32.8	28.2	24.6
22 Gauge (Fy=80 ksi)	SINGLE	STRESS	168.4	123.7	94.7	74.9	60.6	50.1	42.1	35.9	30.9	26.9
		DEFLECTION	168.4	123.7	94.7	74.9	60.6	47.3	36.4	28.6	22.9	18.6
	2-SPAN	STRESS	181.2	133.1	101.9	80.5	65.2	53.9	45.3	38.6	33.3	29.0
		DEFLECTION	181.2	133.1	101.9	80.5	65.2	53.9	45.3	37.3	29.9	24.3
	3-SPAN	STRESS	211.7	155.5	119.1	94.1	76.2	63.0	52.9	45.1	38.9	33.9
		DEFLECTION	211.7	155.5	119.1	94.1	76.2	63.0	52.9	45.1	38.9	33.9

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