AMERICAN BUILDING COMPONENTS

Commercial/Industrial

Product Catalog

AMERICAN BUILDING COMPONENTS®

Since 1908, our large selection of panels, trim and accessories has given buildings the finished look valued by owners throughout America. American Building Components wants your building to give you years of beauty and reliability. Please take time to read the important information on safety and the care of our roofing and siding materials found in the front portion of this manual.

READ THIS MANUAL COMPLETELY PRIOR TO BEGINNING THE INSTALLATION OF THE PBR, PBU, PBC, PBD, AVP, 7.2 AND RUSTIC TRAIL PANELS.

ALWAYS INSPECT EACH AND EVERY PANEL AND ALL ACCESSORIES BEFORE INSTALLATION. NEVER INSTALL ANY PRODUCT IF ITS QUALITY IS IN QUESTION. NOTIFY ABC IMMEDIATELY IF ANY PRODUCT IS BELIEVED TO BE OUT OF TOLERANCE, SPECIFICATION OR HAS BEEN DAMAGED DURING SHIPMENT.

IF THERE IS A CONFLICT BETWEEN PROJECT ERECTION DRAWINGS PROVIDED OR APPROVED BY THE MANUFACTURER AND DETAILS IN THIS MANUAL, PROJECT ERECTION DRAWINGS WILL TAKE PRECEDENCE.

Descriptions and specifications contained herein were in effect at the time this publication was approved for printing. In a continuing effort to refine and improve products, the manufacturer reserves the right to discontinue products at any time or change specifications and/or designs without incurring obligation. To insure you have the latest information available, please inquire. Application details in this manual may not be appropriate for all environmental conditions, building designs, or panel profiles. Projects should be engineered to conform to applicable building codes, regulations, and accepted industry practices. Insulation is not shown in these details for clarity.

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FREIGHT: all prices are F.O.B. shipping point
FREIGHT CHARGES: Full T.L. or Pool T/L

1. Freight on LTL shipments will be charged at the applicable commercial rate.
2. Stopover charge (for unloading delay in excess of 1 ½ hrs., charged in ½ hr. increments) .....$90.00 per hour.
3. Minimum charge for deliveries under $250.00 in value or applicable freight charges, whichever is less..... $25.00.
4. Job site delivery ..... $75.00 Minimum.
5. Spider delivery. .....$75.00 Minimum. Check for availability.
6. Refer to price sheets for freight charges.
7. UPS charge is based off of UPS rates plus a handling charge.
8. $250.00 Transfer charge from producing plant.

NOTICE: ABC is pleased to provide job site delivery to our customers. Customers requesting this service must have mechanized means to off-load the material (i.e. - crane, forklift, gin pole). The job site location must be accessible to a vehicle 65' long and weighing up to 80,000 pounds. ABC reserves the right to refuse delivery at job sites where unsafe or impassible terrain or road conditions are present.

TERMS: Invoices paid to ABC by buyer within 10 days of shipment are allowed ½ of 1% discount, net due 30 days from date of shipment. Orders paid before shipment will be given discount; C.O.D. shipments paid at time of shipment are not allowed discount. Possession of this price sheet does not constitute a proposal to sell. Prices in effect at time of shipment will apply.

PRODUCT INFORMATION

SAFETY PRECAUTIONS

Improper unloading and handling of bundles and crates may cause bodily injury or material damage. Use extreme care in the operation of power lifting devices such as cranes and forklifts and follow the safety instructions provided by their manufacturer. Crates, boxes and bundles may be bulky, heavy, or both. The improper or unaided lifting of them may cause bodily injury. The manufacturer is not responsible for bodily injuries or material damage due to improper handling during unloading, storage, or job site placement.

Protective heavy duty gloves should be worn when handling metal panels and trim products. Safety goggles or face shield should be worn while cutting or drilling metal products with power tools. Follow the safety instructions provided by the manufacturer of the power tools.

Use extreme care when walking, sitting, standing, or kneeling on a metal roof to avoid a fall. Panels have a light coating of oil to protect the panels from moisture prior to erection. They can be extremely slippery, as are painted panels, when they are wet. If necessary, remove the oil coating with a non-abrasive detergent and water mixture followed by a clear water rinse. Insure the panels are dry prior to installation.

When nails are used to fasten the panels, goggles should be worn to prevent possible eye injuries. Off center strikes by the hammer may cause nails to ricochet or metal fragments to become dislodged, striking the user or those nearby. Insure adequate safety measures and warnings are in place and followed.

STORAGE AND HANDLING

To preserve and protect the attractive appearance of American Building Components' roofing and siding from damage caused by moisture, corrosive chemicals or improper handling, it is necessary that you take a few simple precautions. When material is received bundled, panels should be inspected for moisture. If there is moisture, the panels should be separated and dried. If shipping damage is found, the carrier should be advised and a notation made on the bill of lading.

On job sites, reasonable care should be taken when handling painted surfaces during installation in order to protect the finish. Although the paint coating is tough and provides impact resistance, dragging panels across the surface of one another will almost certainly mar the finish.

Prolonged storage of sheets in bundles is not recommended. If conditions do not permit immediate erection, extra care must be taken to protect the material from damage caused by moisture.

Store bundled sheets ONLY IN A DRY PLACE. Sheets should be unbundled, stood on end against an interior wallto allow for air circulation. If unable to store sheets in an upright position, strapping bands should be broken and sheets should be blocked off the floor with one end slightly elevated. Stacked sheets should then be completely protected from the elements while maintaining good airflow to prevent condensation. A properly draped canvas tarpaulin, that allows air flow, is an example of a good protective cover. Do not use plastic as it causes sweating or condensation to occur.

BUILDING DESIGN AND CONSTRUCTION

It is important to protect metal panels from potentially corrosive situations and materials. This will insure the good performance and long life of the metal. If installing metal panels over green lumber, damp lumber, or treated lumber (CCA or ACQ), a barrier must be installed to separate the wood from the metal. A barrier may be formed with plastic, builders felt, or other suitable material. Avoid contact with, or water runoff from, dissimilar metals such as copper, lead or graphite. Dissimilar metals under the roof panels may be separated with asphalt, builders felt, caulking compounds or gasket material.

Metal panels must further be protected from contact with strong chemicals such as fertilizers, lime acids, animal waste and soil. All of these have the potential to initiate corrosion in metal panels. Metal panels should not be in permanent contact with soil.

Temperature variations (dew point) between the outside air and the interior building air mass can cause condensation to occur on the inside of the building on the panel's surfaces. Proper venting and air flow consideration and the use of a vapor barrier such as vinyl backed insulation can eliminate this problem. If left unattended, condensation can cause the premature degradation of the metal and void any applicable warranties.

VENTILATION

Sufficient air movement should be provided by means of a ridge or rotary vent, power operated fans, or other openings to minimize condensation. Contact the equipment manufacturer for specific information or a qualified mechanical engineer.

Failure to comply with these precautions relieves the manufacturer of responsibility for any resultant damage to, or deteriorations of the product and may void any applicable warranties. Contact your local ABC facility for copies of our Limited Color Coated and Galvalume® warranties. Except as outlined in our published limited warranties, ABC makes no warranty, express or implied, limited or otherwise, as to the merchantability or fitness for any particular purpose, with respect to the product sold.

PRODUCT INFORMATION

ROOFING INSTALLATION

THE MINIMUM roof slope recommended varies per panel (see chart below). This ensures that sufficient slope is present for adequate drainage. A quality sealant tape should also be applied at all sidelaps and endlaps to provide maximum weather protection.

PANEL	ROOF SLOPE
PBR	½:12
PBU	3:12
PBC	3:12
PBD	3:12
7.2	½:12
RUSTIC TRAIL	3:12

The recommended industry standard endlap based on the roof slope is as follows:
UNDER 4 INCHES OF RISE... 9 INCHES OF LAP 4-6 INCHES OF RISE.. 6 INCHES OF LAP

To provide a drip edge at the eave, a minimum of three inches of overhang is recommended.

It is important to remember that in the installation of roof sheets, the sidelaps should face away from the direction of the prevailing wind. The first sheet should be installed square with the eave and at the down-wind end of the roof, (farthest from the prevailing direction of the wind).

NOTE: Panels are not symmetrical side to side; observe correct sidelap procedure for each panel profile.

For the proper application of nails and screws refer to our published guide.

Remember to sweep the roof clean of any metal filings created from fastener placement or cutting of panels to prevent rust marks on the surface of the panels.

CLOSURE AND SEALANTS

To help protect the contents of any structure from moisture, regardless of building size or roof slope, closure strips should be used at the roof ridge and eave. Sealant tape should be applied to top and bottom of closure strips.

Closure strips are available to match all of our panel profiles. For maximum protection, all caulking used should be urethane. **Silicone caulks are not recommended for panels and trims.**

CUTTING METAL PANELS

A portable profile shear is especially recommended for across-the-profile cutting of metal panels. ABC also recommends the use of power shears, nibblers or hand snips that can follow the contour of the panel's profile.

Never cut the exposed end of a metal panel with a metal or abrasive saw. This will melt the Galvalume® coating, causing premature rusting at the cut edge.

PANEL SELECTION

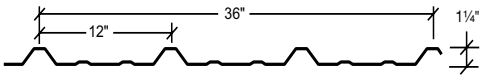
ABC's bare galvanized, bare Galvalume®, Galvalume Plus® and color coated products are produced from material that meets or exceeds the specifications outlined in ASTM-653 and ASTM-792.

If you choose a bare Galvalume®, Galvalume Plus® or galvanized panel for your applications, you should be aware that these products are recommended for applications where aesthetic appearance is not your prime concern. Unpainted products may not weather uniformly and while they may be shiny and bright when new, they will fade or "patina" with age. Acid rain and other corrosive atmospheres, as well as the accumulation of airborne debris and dirt, will affect this aging process and the products' appearance.

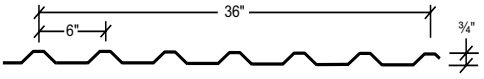
If aesthetic appearance is one of your concerns, ABC recommends you select one of our many color coated panel selections that carry a forty year limited warranty. Copies of ABC's color coated panel warranty are available at your point of purchase or from the ABC office located nearest to you.

PRODUCT INFORMATION

PBR / PBU SQUARE FOOTAGE CHART



PBR PANEL



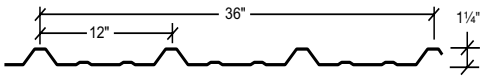
PBU PANEL

Number of Square Feet Per Panel

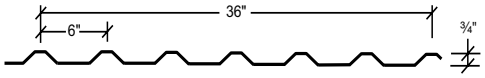
	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
1 FT.	3.19	3.45	3.72	3.98	4.25	4.52	4.78	5.05	5.31	5.58	5.84	6.11
2 FT.	6.38	6.64	6.91	7.17	7.44	7.70	7.97	8.23	8.50	8.76	9.03	9.30
3 FT.	9.56	9.83	10.09	10.36	10.62	10.89	11.16	11.42	11.69	11.95	12.22	12.48
4 FT.	12.75	13.02	13.28	13.55	13.81	14.08	14.34	14.61	14.87	15.14	15.41	15.67
5 FT.	15.94	16.20	16.47	16.73	17.00	17.27	17.53	17.80	18.06	18.33	18.59	18.86
6 FT.	19.13	19.39	19.66	19.92	20.19	20.45	20.72	20.98	21.25	21.51	21.78	22.05
7 FT.	22.31	22.58	22.84	23.11	23.37	23.64	23.91	24.17	24.44	24.70	24.97	25.23
8 FT.	25.50	25.77	26.03	26.30	26.56	26.83	27.09	27.36	27.62	27.89	28.16	28.42
9 FT.	28.69	28.95	29.22	29.48	29.75	30.02	30.28	30.55	30.81	31.08	31.34	31.61
10 FT.	31.88	32.14	32.41	32.67	32.94	33.20	33.47	33.73	34.00	34.26	34.53	34.80
11 FT.	35.06	35.33	35.59	35.86	36.12	36.39	36.66	36.92	37.19	37.45	37.72	37.98
12 FT.	38.25	38.52	38.78	39.05	39.31	39.58	39.84	40.11	40.37	40.64	40.91	41.17
13 FT.	41.44	41.70	41.97	42.23	42.50	42.77	43.03	43.30	43.56	43.83	44.09	44.36
14 FT.	44.63	44.89	45.16	45.42	45.69	45.95	46.22	46.48	46.75	47.01	47.28	47.55
15 FT.	47.81	48.08	48.34	48.61	48.87	49.14	49.41	49.67	49.94	50.20	50.47	50.73
16 FT.	51.00	51.27	51.53	51.80	52.06	52.33	52.59	52.86	53.12	53.39	53.66	53.92
17 FT.	54.19	54.45	54.72	54.98	55.25	55.52	55.78	56.05	56.31	56.58	56.84	57.11
18 FT.	57.38	57.64	57.91	58.17	58.44	58.70	58.97	59.23	59.50	59.76	60.03	60.30
19 FT.	60.56	60.83	61.09	61.36	61.62	61.89	62.16	62.42	62.69	62.95	63.22	63.48
20 FT.	63.75	64.02	64.28	64.55	64.81	65.08	65.34	65.61	65.87	66.14	66.41	66.67
21 FT.	66.94	67.20	67.47	67.73	68.00	68.27	68.53	68.80	69.06	69.33	69.59	69.86
22 FT.	70.13	70.39	70.66	70.92	71.19	71.45	71.72	71.98	72.25	72.51	72.78	73.05
23 FT.	73.31	73.58	73.84	74.11	74.37	74.64	74.91	75.17	75.44	75.70	75.97	76.23
24 FT.	76.50	76.77	77.03	77.30	77.56	77.83	78.09	78.36	78.62	78.89	79.16	79.42
25 FT.	79.69	79.95	80.22	80.48	80.75	81.02	81.28	81.55	81.81	82.08	82.34	82.61
26 FT.	82.88	83.14	83.41	83.67	83.94	84.20	84.47	84.73	85.00	85.26	85.53	85.80
27 FT.	86.06	86.33	86.59	86.86	87.12	87.39	87.66	87.92	88.19	88.45	88.72	88.98
28 FT.	89.25	89.52	89.78	90.05	90.31	90.58	90.84	91.11	91.37	91.64	91.91	92.17
29 FT.	92.44	92.70	92.97	93.23	93.50	93.77	94.03	94.30	94.56	94.83	95.09	95.36
30 FT.	95.63	95.89	96.16	96.42	96.69	96.95	97.22	97.48	97.75	98.01	98.28	98.55
31 FT.	98.81	99.08	99.34	99.61	99.87	100.14	100.41	100.67	100.94	101.20	101.47	101.73
32 FT.	102.00	102.27	102.53	102.80	103.06	103.33	103.59	103.86	104.12	104.39	104.66	104.92
33 FT.	105.19	105.45	105.72	105.98	106.25	106.52	106.78	107.05	107.31	107.58	107.84	108.11
34 FT.	108.38	108.64	108.91	109.17	109.44	109.70	109.97	110.23	110.50	110.76	111.03	111.30
35 FT.	111.56	111.83	112.09	112.36	112.62	112.89	113.16	113.42	113.69	113.95	114.22	114.48
36 FT.	114.75	115.02	115.28	115.55	115.81	116.08	116.34	116.61	116.87	117.14	117.41	117.67
37 FT.	117.94	118.20	118.47	118.73	119.00	119.27	119.53	119.80	120.06	120.33	120.59	120.86
38 FT.	121.13	121.39	121.66	121.92	122.19	122.45	122.72	122.98	123.25	123.51	123.78	124.05
39 FT.	124.31	124.58	124.84	125.11	125.37	125.45	125.91	126.17	126.44	126.70	126.97	127.23
40 FT.	127.50	127.77	128.03	128.30	128.56	128.83	129.09	129.36	129.62	129.89	130.16	130.42

PRODUCT INFORMATION

PBR / PBU PRICING INFORMATION



PBR PANEL



PBU PANEL

GAUGE	COVERAGE	YIELD(PSI)	WEIGHT PER SQ.	FINISH
29	36"	80,000	70#	Galvalume Plus®
29	36"	80,000	70#	Signature 200 * †
26	36"	80,000	87#	Galvalume Plus®
26	36"	80,000	87#	Signature 200 *
26	36"	80,000	87#	Signature 300 *
24	36"	50,000	109#	Galvalume Plus®
24	36"	50,000	109#	Signature 200 * †
24	36"	50,000	109#	Signature 300 * †
22	36"	50,000	139#	Galvalume Plus®
22	36"	50,000	139#	Signature 200 *
.024 Alum ††	36"	18,000	41#	Signature 200 * - White Only

†† Perforated only
*** See 26 Gauge Color Chart for available colors**
† Minimum quantities may be required for some colors. Please inquire.
¤ The Galvalume Plus coating is subject to variances in spangle from coil to coil which may result in noticeable shade variation in installed panels. The Galvalume Plus coating is also subject to differential weathering after panel installation. Panels may appear to be different shades due to this weathering characteristic. If a consistent appearance is required, ABC recommends that pre-painted panels be used in lieu of Galvalume Plus. Shade variation in panels manufactured from Galvalume Plus coated material do not diminish the structural integrity of the product. These shade variations should be anticipated and are not a cause for rejection.Consult the ABC 26 Gauge TECHNICAL/ PRODUCT INFORMATION MANUAL for proper product application, design details and other product information.

Panel Pricing:
1. All "PBR" and "PBU" panel pricing is based on a 38¼" sheet width (see chart on opposite page).
2. Add $8.00 per square for embossing. 29 and 26 gauge cannot be embossed.
3. Add $1.05 per sheet for lengths 4'-0" and under.
4. Add $32.40 set-up charge for reverse run "PBR" or "PBU" panels (upside down).

Packaging Cost:
1. Maximum 3000 pounds or 75 panels per bundle.
2. Standard packaging band with waterproof paper - no charge.
3. Metal cover sheet top ..... $1.00/linear foot
4. Metal cover sheet top and bottom ..... $2.00/linear foot

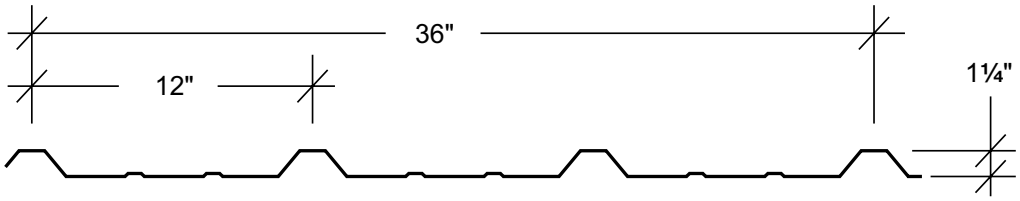
Delivery:
1. 29 and 26 gauge - Stocked Signature® 200 colors (see color chart)..... Approximately 3 Working Days
2. 22 and 24 gauge - Galvalume Plus® and Signature® 200 White ..... Approximately 3 Working Days
3. 22 and 24 gauge - Signature® 200 colors..... Approximately 14 Working Days
4. 26 gauge - Signature® 300 colors (see color chart)..... Approximately 14 Working Days

Notes:
1. **Edge of panel in contact with concrete sheeting notch will result in excessive edge creep. Panel corrosion due to contact with concrete or any masonry product is excluded from Panel Warranty**.
2. All perforated material comes with a light oil coating. Panels should be wiped clean before installing.

IMPORTANT NOTICE TO INSTALLER/CUSTOMER: Material should be inspected carefully prior to installation for defects including excessive oil canning. **Installation of material constitutes acceptance.**

PRODUCT INFORMATION

PBR PANEL



SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL	Fy	WEIGHT	Ixe	Sxe	Maxo	Ixe	Sxe	Maxo
GAUGE	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
29	60*	0.75	0.0215	0.0325	1.2656	0.0238	0.0230	0.9859
26	60*	0.94	0.0309	0.0449	1.8019	0.0382	0.0381	1.6759
24	50	1.14	0.0420	0.0570	1.7060	0.0551	0.0567	1.6968
22	50	1.44	0.0567	0.0739	2.2119	0.0754	0.0787	2.3553

* Fy is 80-ksi reduced to 60-ksi in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members - A2.3.2.

NOTES:

1. All calculations for the properties of PBR Roof panels are calculated in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. Ixe is for deflection determination.
3. Sxe is for bending.
4. Maxo is allowable bending moment.
5. All values are for one foot of panel width.

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the *North American Specification for the Design of Cold-Formed Steel Structural Members* published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.

AMERICAN BUILDING COMPONENTS

PRODUCT INFORMATION

PBR ROOF PANEL
ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge (0.0133"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	93.75	52.73	33.75	23.44	17.22	13.18	10.42
	LIVE LOAD/DEFLECTION	67.01	32.53	16.66	9.64	6.07	4.07	2.86
2-span	NEGATIVE WIND LOAD	61.91	37.19	24.61	17.42	12.96	10.00	7.94
	LIVE LOAD/DEFLECTION	70.40	45.18	30.41	21.75	16.28	12.62	9.40
3-span	NEGATIVE WIND LOAD	73.01	44.74	29.96	21.37	15.96	12.36	9.84
	LIVE LOAD/DEFLECTION	80.00	53.43	36.52	22.73	14.32	9.59	6.74
4-span	NEGATIVE WIND LOAD	69.51	42.31	28.22	20.08	14.97	11.58	9.21
	LIVE LOAD/DEFLECTION	77.00	50.82	34.56	24.74	15.58	10.44	7.33

26 Gauge (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	133.48	75.08	48.05	33.37	24.52	18.77	14.83
	LIVE LOAD/DEFLECTION	119.08	52.22	26.74	15.47	9.74	6.53	4.58
2-span	NEGATIVE WIND LOAD	114.41	66.59	43.33	30.37	22.44	17.24	13.66
	LIVE LOAD/DEFLECTION	105.60	71.09	46.37	32.55	24.07	18.51	13.88
3-span	NEGATIVE WIND LOAD	138.49	81.62	53.46	37.61	27.86	21.44	17.00
	LIVE LOAD/DEFLECTION	120.00	86.91	57.11	34.86	21.95	14.71	10.33
4-span	NEGATIVE WIND LOAD	130.70	76.70	50.12	35.22	26.06	20.05	15.89
	LIVE LOAD/DEFLECTION	115.50	81.75	53.58	37.71	23.77	15.93	11.18

24 Gauge (0.0223"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	126.37	71.08	45.49	31.59	23.21	17.77	14.04
	LIVE LOAD/DEFLECTION	125.69	70.70	38.51	22.28	14.03	9.40	6.60
2-span	NEGATIVE WIND LOAD	120.59	69.04	44.56	31.09	22.91	17.57	13.90
	LIVE LOAD/DEFLECTION	117.33	69.40	44.80	31.25	23.03	17.66	13.97
3-span	NEGATIVE WIND LOAD	148.17	85.44	55.34	38.68	28.53	21.90	17.34
	LIVE LOAD/DEFLECTION	133.33	85.87	55.62	38.89	28.68	19.34	13.58
4-span	NEGATIVE WIND LOAD	139.13	80.03	51.77	36.16	26.66	20.46	16.19
	LIVE LOAD/DEFLECTION	128.33	80.43	52.04	36.35	26.81	20.57	14.45

22 Gauge (0.0286"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	163.85	92.16	58.98	40.96	30.09	23.04	18.21
	LIVE LOAD/DEFLECTION	174.46	98.14	52.70	30.50	19.21	12.87	9.04
2-span	NEGATIVE WIND LOAD	168.30	96.14	61.98	43.21	31.83	24.41	19.31
	LIVE LOAD/DEFLECTION	158.71	90.50	58.30	40.63	29.91	22.94	18.14
3-span	NEGATIVE WIND LOAD	207.24	119.12	77.03	53.80	39.67	30.44	24.09
	LIVE LOAD/DEFLECTION	195.75	112.25	72.50	50.61	37.24	24.95	17.52
4-span	NEGATIVE WIND LOAD	194.44	111.53	72.04	50.29	37.06	28.43	22.50
	LIVE LOAD/DEFLECTION	183.56	105.06	67.79	47.29	34.84	26.54	18.64

Notes:

1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/180 under strength-level loads.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
6. Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.
7. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
8. This material is subject to change without notice. Please contact American Building Componentsfor most current data.

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PRODUCT INFORMATION

PBR WALL PANEL
ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge (0.0133"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	93.75	52.73	33.75	23.44	17.22	13.18	10.42
	LIVE LOAD/DEFLECTION	67.01	41.08	26.29	18.26	13.41	10.27	8.11
2-span	NEGATIVE WIND LOAD	61.91	37.19	24.61	17.42	12.96	10.00	7.94
	LIVE LOAD/DEFLECTION	70.40	45.18	30.41	21.75	16.28	12.62	10.06
3-span	NEGATIVE WIND LOAD	73.01	44.74	29.96	21.37	15.96	12.36	9.84
	LIVE LOAD/DEFLECTION	80.00	53.43	36.52	26.39	19.89	15.50	12.40
4-span	NEGATIVE WIND LOAD	69.51	42.31	28.22	20.08	14.97	11.58	9.21
	LIVE LOAD/DEFLECTION	77.00	50.82	34.56	24.89	18.72	14.56	11.63

26 Gauge (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	133.48	75.08	48.05	33.37	24.52	18.77	14.83
	LIVE LOAD/DEFLECTION	119.08	69.83	44.69	31.04	22.80	17.46	13.79
2-span	NEGATIVE WIND LOAD	114.41	66.59	43.33	30.37	22.44	17.24	13.66
	LIVE LOAD/DEFLECTION	105.60	71.09	46.37	32.55	24.07	18.51	14.66
3-span	NEGATIVE WIND LOAD	138.49	81.62	53.46	37.61	27.86	21.44	17.00
	LIVE LOAD/DEFLECTION	120.00	86.91	57.11	40.25	29.85	22.99	18.24
4-span	NEGATIVE WIND LOAD	130.70	76.70	50.12	35.22	26.06	20.05	15.89
	LIVE LOAD/DEFLECTION	115.50	81.75	53.58	37.71	27.93	21.50	17.05

24 Gauge (0.0223"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	126.37	71.08	45.49	31.59	23.21	17.77	14.04
	LIVE LOAD/DEFLECTION	125.69	70.70	45.25	31.42	23.09	17.68	13.97
2-span	NEGATIVE WIND LOAD	120.59	69.04	44.56	31.09	22.91	17.57	13.90
	LIVE LOAD/DEFLECTION	117.33	69.40	44.80	31.25	23.03	17.66	13.97
3-span	NEGATIVE WIND LOAD	148.17	85.44	55.34	38.68	28.53	21.90	17.34
	LIVE LOAD/DEFLECTION	133.33	85.87	55.62	38.89	28.68	22.02	17.43
4-span	NEGATIVE WIND LOAD	139.13	80.03	51.77	36.16	26.66	20.46	16.19
	LIVE LOAD/DEFLECTION	128.33	80.43	52.04	36.35	26.81	20.57	16.28

22 Gauge (0.0286"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	163.85	92.16	58.98	40.96	30.09	23.04	18.21
	LIVE LOAD/DEFLECTION	174.46	98.14	62.81	43.62	32.04	24.53	19.38
2-span	NEGATIVE WIND LOAD	168.30	96.14	61.98	43.21	31.83	24.41	19.31
	LIVE LOAD/DEFLECTION	158.71	90.50	58.30	40.63	29.91	22.94	18.14
3-span	NEGATIVE WIND LOAD	207.24	119.12	77.03	53.80	39.67	30.44	24.09
	LIVE LOAD/DEFLECTION	195.75	112.25	72.50	50.61	37.29	28.61	22.64
4-span	NEGATIVE WIND LOAD	194.44	111.53	72.04	50.29	37.06	28.43	22.50
	LIVE LOAD/DEFLECTION	183.56	105.06	67.79	47.29	34.84	26.72	21.14

Notes:

1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/180 under strength-level loads.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
6. Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.
7. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
8. This material is subject to change without notice. Please contact American Building Componentsfor most current data.

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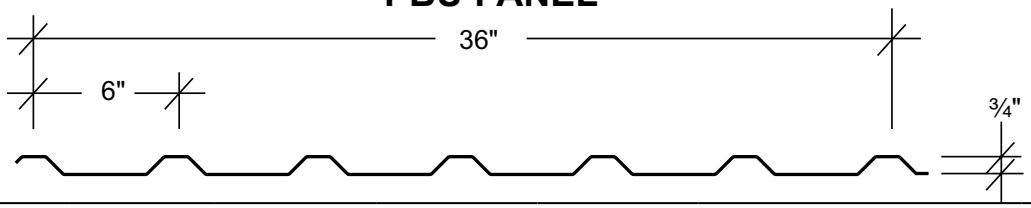
AMERICAN BUILDING COMPONENTS

PRODUCT INFORMATION

PBU PANEL



SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL	FY	WEIGHT	IXE	SXE	MAXO	IXE	SXE	MAXO
GAUGE	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
29	60*	0.75	0.011	0.024	0.911	0.015	0.025	1.091
26	60*	0.94	0.016	0.037	1.432	0.023	0.041	1.807
24	50	1.14	0.022	0.053	1.574	0.032	0.057	1.718
22	50	1.44	0.031	0.070	2.105	0.042	0.077	2.310

* Fy is 80-ksi reduced to 60-ksi in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members - A2.3.2.

NOTES:
1. All calculations for the properties of PBU Roof panels are calculated in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. Ixe is for deflection determination.
3. Sxe is for bending.
4. Maxo is allowable bending moment.
5. All values are for one foot of panel width.

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PRODUCT INFORMATION

PBU ROOF PANEL
ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge (0.0133"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	67.49	37.96	24.30	16.87	11.91	7.98	5.60
	LIVE LOAD/DEFLECTION	48.81	20.59	10.54	6.10	3.84	2.57	1.81
2-span	NEGATIVE WIND LOAD	78.35	44.67	28.77	20.05	14.76	11.32	8.95
	LIVE LOAD/DEFLECTION	66.02	37.49	24.10	16.78	11.80	7.91	5.55
3-span	NEGATIVE WIND LOAD	96.65	55.41	35.78	24.97	18.40	14.12	11.17
	LIVE LOAD/DEFLECTION	81.75	46.61	24.37	14.10	8.88	5.95	4.18
4-span	NEGATIVE WIND LOAD	90.63	51.85	33.46	23.34	17.19	13.19	10.43
	LIVE LOAD/DEFLECTION	76.56	43.59	26.23	15.18	9.56	6.40	4.50

26 Gauge (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	106.10	59.68	38.20	26.52	17.48	11.71	8.22
	LIVE LOAD/DEFLECTION	75.46	31.84	16.30	9.43	5.94	3.98	2.79
2-span	NEGATIVE WIND LOAD	130.50	74.21	47.74	33.24	24.46	18.75	14.83
	LIVE LOAD/DEFLECTION	104.42	59.14	37.97	26.19	16.49	11.05	7.76
3-span	NEGATIVE WIND LOAD	161.40	92.19	59.43	41.44	30.45	23.31	17.07
	LIVE LOAD/DEFLECTION	129.63	68.21	34.92	20.21	12.73	8.53	5.99
4-span	NEGATIVE WIND LOAD	151.20	86.23	55.55	38.71	28.50	21.85	17.28
	LIVE LOAD/DEFLECTION	121.28	68.83	37.30	21.58	13.59	9.11	6.40

24 Gauge (0.0223"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	116.62	65.60	41.98	29.15	21.42	15.90	11.17
	LIVE LOAD/DEFLECTION	102.37	43.19	22.11	12.80	8.06	5.40	3.79
2-span	NEGATIVE WIND LOAD	124.52	70.69	45.44	31.63	23.27	17.84	14.10
	LIVE LOAD/DEFLECTION	114.52	64.93	41.71	29.02	20.38	13.65	9.59
3-span	NEGATIVE WIND LOAD	154.22	87.90	56.61	39.45	29.04	22.26	17.61
	LIVE LOAD/DEFLECTION	142.04	80.80	43.73	25.31	15.94	10.68	7.50
4-span	NEGATIVE WIND LOAD	144.41	82.20	52.90	36.85	27.12	20.79	16.44
	LIVE LOAD/DEFLECTION	132.94	75.53	46.46	26.89	16.93	11.34	7.97

22 Gauge (0.0286"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	155.91	87.70	56.13	38.98	28.64	21.93	15.67
	LIVE LOAD/DEFLECTION	136.57	57.62	29.50	17.07	10.75	7.20	5.06
2-span	NEGATIVE WIND LOAD	167.07	94.95	61.06	42.51	31.28	23.98	18.96
	LIVE LOAD/DEFLECTION	152.86	86.72	55.73	38.78	26.14	17.51	12.30
3-span	NEGATIVE WIND LOAD	206.75	117.99	76.04	53.00	39.03	29.93	23.67
	LIVE LOAD/DEFLECTION	189.46	107.88	56.18	32.51	20.47	13.72	9.63
4-span	NEGATIVE WIND LOAD	193.65	110.35	71.06	49.52	36.45	27.95	22.10
	LIVE LOAD/DEFLECTION	177.36	100.86	59.64	34.52	21.74	14.56	10.23

Notes:

1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/180 under strength-level loads.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
6. Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.
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AMERICAN BUILDING COMPONENTS

PRODUCT INFORMATION

PBU WALL PANEL
ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge (0.0133"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	67.49	37.96	24.30	16.87	11.91	7.98	5.60
	LIVE LOAD/DEFLECTION	80.84	45.47	29.10	20.21	14.85	11.03	7.75
2-span	NEGATIVE WIND LOAD	78.35	44.67	28.77	20.05	14.76	11.32	8.95
	LIVE LOAD/DEFLECTION	66.02	37.49	24.10	16.78	12.34	9.46	7.48
3-span	NEGATIVE WIND LOAD	96.65	55.41	35.78	24.97	18.40	14.12	11.17
	LIVE LOAD/DEFLECTION	81.75	46.61	30.02	20.92	15.40	11.81	9.34
4-span	NEGATIVE WIND LOAD	90.63	51.85	33.46	23.34	17.19	13.19	10.43
	LIVE LOAD/DEFLECTION	76.56	43.59	28.05	19.54	14.39	11.03	8.72

26 Gauge (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	106.10	59.68	38.20	26.52	17.48	11.71	8.22
	LIVE LOAD/DEFLECTION	133.83	75.28	48.18	33.46	24.58	17.05	11.98
2-span	NEGATIVE WIND LOAD	130.50	74.21	47.74	33.24	24.46	18.75	14.83
	LIVE LOAD/DEFLECTION	104.42	59.14	37.97	26.42	19.43	14.89	11.77
3-span	NEGATIVE WIND LOAD	161.40	92.19	59.43	41.44	30.45	23.31	17.07
	LIVE LOAD/DEFLECTION	129.63	73.64	47.35	32.96	24.26	18.59	14.70
4-span	NEGATIVE WIND LOAD	151.20	86.23	55.55	38.71	28.50	21.85	17.28
	LIVE LOAD/DEFLECTION	121.28	68.83	44.23	30.79	22.65	17.36	13.72

24 Gauge (0.0223"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	116.62	65.60	41.98	29.15	21.42	15.90	11.17
	LIVE LOAD/DEFLECTION	127.22	71.56	45.80	31.81	23.37	17.89	14.14
2-span	NEGATIVE WIND LOAD	124.52	70.69	45.44	31.63	23.27	17.84	14.10
	LIVE LOAD/DEFLECTION	114.52	64.93	41.71	29.02	21.35	16.36	12.93
3-span	NEGATIVE WIND LOAD	154.22	87.90	56.61	39.45	29.04	22.26	17.61
	LIVE LOAD/DEFLECTION	142.04	80.80	51.98	36.20	26.64	20.42	16.15
4-span	NEGATIVE WIND LOAD	144.41	82.20	52.90	36.85	27.12	20.79	16.44
	LIVE LOAD/DEFLECTION	132.94	75.53	48.57	33.81	24.88	19.07	15.08

22 Gauge (0.0286"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	155.91	87.70	56.13	38.98	28.64	21.93	15.67
	LIVE LOAD/DEFLECTION	171.09	96.24	61.59	42.77	31.42	24.06	19.01
2-span	NEGATIVE WIND LOAD	167.07	94.95	61.06	42.51	31.28	23.98	18.96
	LIVE LOAD/DEFLECTION	152.86	86.72	55.73	38.78	28.53	21.86	17.29
3-span	NEGATIVE WIND LOAD	206.75	117.99	76.04	53.00	39.03	29.93	23.67
	LIVE LOAD/DEFLECTION	189.46	107.88	69.44	48.37	35.61	27.30	21.59
4-span	NEGATIVE WIND LOAD	193.65	110.35	71.06	49.52	36.45	27.95	22.10
	LIVE LOAD/DEFLECTION	177.36	100.86	64.88	45.18	33.25	25.49	20.15

Notes:

1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/180 under strength-level loads.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
6. Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.
7. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
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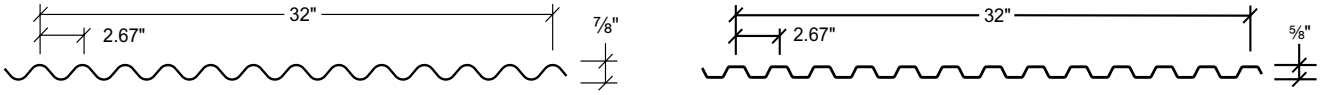
PRODUCT INFORMATION

PBC / PBD SQUARE FOOTAGE CHART



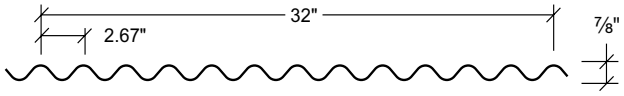
Number of Square Feet Per Panel

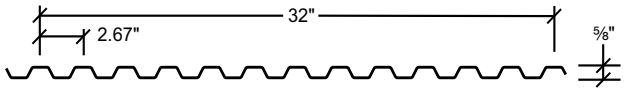
	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
1 FT.	2.83	3.07	3.31	3.54	3.78	4.01	4.25	4.49	4.72	4.96	5.19	5.43
2 FT.	5.67	5.90	6.14	6.37	6.61	6.85	7.08	7.32	7.55	7.79	8.03	8.26
3 FT.	8.50	8.74	8.97	9.21	9.44	9.68	9.92	10.15	10.39	10.62	10.86	11.10
4 FT.	11.33	11.57	11.81	12.04	12.28	12.51	12.75	12.99	13.22	13.46	13.69	13.93
5 FT.	14.17	14.40	14.64	14.87	15.11	15.35	15.58	15.82	16.05	16.29	16.53	16.76
6 FT.	17.00	17.24	17.47	17.71	17.94	18.18	18.42	18.65	18.89	19.12	19.36	19.60
7 FT.	19.83	20.07	20.31	20.54	20.78	21.01	21.25	21.49	21.72	21.96	22.19	22.43
8 FT.	22.67	22.90	23.14	23.37	23.61	23.85	24.08	24.32	24.55	24.79	25.03	25.26
9 FT.	25.50	25.74	25.97	26.21	26.44	26.68	26.92	27.15	27.39	27.62	27.86	28.10
10 FT.	28.33	28.57	28.81	29.04	29.28	29.51	29.75	29.99	30.22	30.46	30.69	30.93
11 FT.	31.17	31.40	31.64	31.87	32.11	32.35	32.58	32.82	33.05	33.29	33.53	33.76
12 FT.	34.00	34.24	34.47	34.71	34.94	35.18	35.42	35.65	35.89	36.12	36.36	36.60
13 FT.	36.83	37.07	37.30	37.54	37.78	38.01	38.25	38.48	38.72	38.96	39.19	39.43
14 FT.	39.67	39.90	40.14	40.37	40.61	40.85	41.08	41.32	41.55	41.79	42.03	42.26
15 FT.	42.50	42.74	42.97	43.21	43.44	43.68	43.92	44.15	44.39	44.62	44.86	45.10
16 FT.	45.33	45.57	45.80	46.04	46.28	46.51	46.75	46.98	47.22	47.46	47.69	47.93
17 FT.	48.17	48.40	48.64	48.87	49.11	49.35	49.58	49.82	50.05	50.29	50.53	50.76
18 FT.	51.00	51.24	51.47	51.71	51.94	52.18	52.42	52.65	52.89	53.12	53.36	53.60
19 FT.	53.83	54.07	54.30	54.54	54.78	55.01	55.25	55.48	55.72	55.96	56.19	56.43
20 FT.	56.67	56.90	57.14	57.37	57.61	57.85	58.08	58.32	58.55	58.79	59.03	59.26
21 FT.	59.50	59.74	59.97	60.21	60.44	60.68	60.92	61.15	61.39	61.62	61.86	62.10
22 FT.	62.33	62.57	62.80	63.04	63.28	63.51	63.75	63.98	64.22	64.46	64.69	64.93
23 FT.	65.17	65.40	65.64	65.87	66.11	66.35	66.58	66.82	67.05	67.29	67.53	67.76
24 FT.	68.00	68.24	68.47	68.71	68.94	69.18	69.42	69.65	69.89	70.12	70.36	70.60
25 FT.	70.83	71.07	71.30	71.54	71.78	72.01	72.25	72.48	72.72	72.96	73.19	73.43
26 FT.	73.67	73.90	74.14	74.37	74.61	74.85	75.08	75.32	75.55	75.79	76.03	76.26
27 FT.	76.50	76.74	76.97	77.21	77.44	77.68	77.92	78.15	78.39	78.62	78.86	79.10
28 FT.	79.33	79.57	79.80	80.04	80.28	80.51	80.75	80.98	81.22	81.46	81.69	81.93
29 FT.	82.17	82.40	82.64	82.87	83.11	83.35	83.58	83.82	84.05	84.29	84.53	84.76
30 FT.	85.00	85.24	85.47	85.71	85.94	86.18	86.42	86.65	86.89	87.12	87.36	87.60
31 FT.	87.83	88.07	88.30	88.54	88.78	89.01	89.25	89.48	89.72	89.96	90.19	90.43
32 FT.	90.67	90.90	91.14	91.37	91.61	91.85	92.08	92.32	92.55	92.79	93.03	93.26
33 FT.	93.50	93.73	93.97	94.21	94.44	94.68	94.91	95.15	95.69	95.62	95.86	96.09
34 FT.	96.33	96.57	96.80	97.04	97.28	97.51	97.75	97.98	98.22	98.46	98.69	98.93
35 FT.	99.17	99.40	99.64	99.87	100.11	100.35	100.58	100.82	101.05	101.29	101.53	101.76
36 FT.	102.00	102.23	102.47	102.71	102.94	103.18	103.41	103.65	103.89	104.12	104.36	104.59
37 FT.	104.83	105.07	105.30	105.54	105.78	106.01	106.25	106.48	106.72	106.96	107.19	107.43
38 FT.	107.67	107.90	108.14	108.37	108.61	108.85	109.08	109.32	109.55	109.79	110.03	110.26
39 FT.	110.50	110.73	110.97	111.21	111.44	111.68	111.91	112.15	112.39	112.62	112.86	113.09
40 FT.	113.33	113.57	113.80	114.04	114.28	114.51	114.75	114.98	115.22	115.46	115.69	115.93

AMERICAN BUILDING COMPONENTS

PRODUCT INFORMATION

PBC / PBD PANEL PRICING INFORMATION





GAUGE	COVERAGE	YIELD(PSI)	WEIGHT PER SQ.	FINISH
29	32"	80,000	78#	Galvalume Plus® ¤
29	32"	80,000	78#	Signature 200 * †
29	32"	80,000	83#	Galvanized
26	32"	80,000	98#	Galvalume Plus® ¤
26	32"	80,000	98#	Signature 200 *
26	32"	80,000	98#	Signature 300 *
24	32"	50,000	123#	Galvalume Plus® ¤
24	32"	50,000	123#	Signature 200 * †
24	32"	50,000	123#	Signature 300 * †
22 ♦	32"	50,000	156#	Galvalume Plus® ¤
22 ♦	32"	50,000	162#	Signature 200 *
.024 Alum ††	32"	18,000	40#	Signature 200 * - White Only

†† Perforated only
♦ "PBC" Panel not available
† Minimum quantities may be required for some colors. Please inquire.
*** See Commercial/Industrial Color Chart for available colors**
¤ The Galvalume Plus coating is subject to variances in spangle from coil to coil which may result in noticeable shade variation in installed panels. The Galvalume Plus coating is also subject to differential weathering after panel installation. Panels may appear to be different shades due to this weathering characteristic. If a consistent appearance is required, ABC recommends that pre-painted panels be used in lieu of Galvalume Plus. Shade variation in panels manufactured from Galvalume Plus coated material do not diminish the structural integrity of the product. These shade variations should be anticipated and are not a cause for rejection.
Consult the ABC 26 Gauge TECHNICAL/PRODUCT INFORMATION MANUAL for proper product application, design details and other product information.

Panel Pricing:
1. All "PBC" and "PBD" panel pricing is based on a 34" sheet width (see chart on opposite page).
2. Add $8.00 per square for embossing. 29 and 26 gauge cannot be embossed.
3. Add $1.05 per sheet for lengths 4'-0" and under.

Packaging Cost:
1. Maximum 3000 pounds or 75 panels per bundle.
2. Standard packaging band with waterproof paper - no charge.
3. Metal cover sheet top ..... $1.00/linear foot
4. Metal cover sheet top and bottom ..... $2.00/linear foot

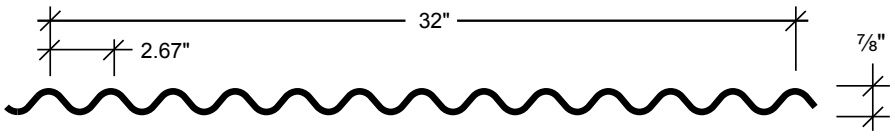
Delivery:
1. 29 and 26 gauge - Stocked Signature® 200 colors (see color chart)..... (Please Inquire)
2. 22 and 24 gauge - Galvalume Plus® and Signature® 200 White ..... (Please Inquire)
3. 22 and 24 gauge - Signature® 200 colors..... Approximately 14 Working Days
4. 26 gauge - Signature® 300 colors (see color chart)..... Approximately 14 Working Days

Notes:
1. **Edge of panel in contact with concrete sheeting notch will result in excessive edge creep. Panel corrosion due to contact with concrete or any masonry product is excluded from Panel Warranty.**
2. All perforated material comes with a light oil coating. Panels should be wiped clean before installing.

IMPORTANT NOTICE TO INSTALLER/CUSTOMER: Material should be inspected carefully prior to installation for defects including excessive oil canning. **Installation of material constitutes acceptance.**

PRODUCT INFORMATION

PBC PANEL



SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL	Fy	WEIGHT	Ixe	Sxe	Maxo	Ixe	Sxe	Maxo
GAUGE	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
29	60*	0.84	0.019	0.044	1.575	0.019	0.044	1.575
26	60*	1.06	0.027	0.059	2.135	0.027	0.059	2.135
24	50	1.28	0.033	0.073	2.185	0.033	0.073	2.185
22	50	1.62	0.042	0.093	2.788	0.042	0.093	2.788

* Fy is 80-ksi reduced to 60-ksi in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members - A2.3.2.

NOTES:
1. All calculations for the properties of PBC Roof panels are calculated in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. Ixe is for deflection determination.
3. Sxe is for bending.
4. Maxo is allowable bending moment.
5. All values are for one foot of panel width.

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the *North American Specification for the Design of Cold-Formed Steel Structural Members* published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.

AMERICAN BUILDING COMPONENTS

PRODUCT INFORMATION

PBC ROOF PANEL
ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge (0.0133"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	116.66	65.62	42.00	29.16	21.26	14.24	10.00
	LIVE LOAD/DEFLECTION	63.03	26.59	13.61	7.88	4.96	3.32	2.33
2-span	NEGATIVE WIND LOAD	114.69	64.99	41.74	29.04	21.36	16.37	12.94
	LIVE LOAD/DEFLECTION	85.02	63.77	32.79	18.98	11.95	8.01	5.62
3-span	NEGATIVE WIND LOAD	142.32	80.90	52.03	36.23	26.66	20.43	16.16
	LIVE LOAD/DEFLECTION	96.61	50.18	25.69	14.87	9.36	6.27	4.41
4-span	NEGATIVE WIND LOAD	133.18	75.62	48.61	33.84	24.90	19.08	15.09
	LIVE LOAD/DEFLECTION	92.99	53.27	27.27	15.78	9.94	6.66	4.68

26 Gauge (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	158.15	88.96	56.94	39.54	28.98	19.42	13.64
	LIVE LOAD/DEFLECTION	85.91	36.24	18.56	10.74	6.76	4.53	3.18
2-span	NEGATIVE WIND LOAD	155.46	88.10	56.58	39.37	28.96	22.19	17.54
	LIVE LOAD/DEFLECTION	155.46	87.30	44.70	25.87	16.29	10.91	7.66
3-span	NEGATIVE WIND LOAD	192.89	109.66	70.53	49.11	36.14	27.70	21.90
	LIVE LOAD/DEFLECTION	162.12	68.39	35.02	20.26	12.76	8.55	6.00
4-span	NEGATIVE WIND LOAD	180.50	102.50	65.89	45.87	33.75	25.87	20.45
	LIVE LOAD/DEFLECTION	172.09	72.60	37.17	21.51	13.55	9.08	6.37

24 Gauge (0.0223"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	161.82	91.03	58.26	40.46	29.72	22.76	16.82
	LIVE LOAD/DEFLECTION	105.98	44.71	22.89	13.25	8.34	5.59	3.93
2-span	NEGATIVE WIND LOAD	159.03	90.13	57.89	40.28	29.63	22.70	17.95
	LIVE LOAD/DEFLECTION	159.03	90.13	55.14	31.91	20.10	13.46	9.45
3-span	NEGATIVE WIND LOAD	197.31	112.18	72.16	50.25	36.98	28.34	22.41
	LIVE LOAD/DEFLECTION	197.31	84.37	43.20	25.00	15.74	10.55	7.41
4-span	NEGATIVE WIND LOAD	184.64	104.86	67.42	46.93	34.53	26.46	20.92
	LIVE LOAD/DEFLECTION	184.64	89.56	45.86	26.54	16.71	11.20	7.86

22 Gauge (0.0286"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	206.48	116.15	74.33	51.62	37.93	29.04	21.62
	LIVE LOAD/DEFLECTION	136.17	57.45	29.41	17.02	10.72	7.18	5.04
2-span	NEGATIVE WIND LOAD	202.85	114.99	73.86	51.39	37.80	28.96	22.90
	LIVE LOAD/DEFLECTION	202.85	114.99	70.85	41.00	25.82	17.30	12.15
3-span	NEGATIVE WIND LOAD	251.65	143.11	92.06	64.11	47.18	36.16	28.60
	LIVE LOAD/DEFLECTION	251.65	108.41	55.51	32.12	20.23	13.55	9.52
4-span	NEGATIVE WIND LOAD	235.50	133.77	86.01	59.88	44.06	33.77	26.70
	LIVE LOAD/DEFLECTION	235.50	115.08	58.92	34.10	21.47	14.39	10.10

Notes:
1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/180 under strength-level loads.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
6. Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.
7. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
8. This material is subject to change without notice. Please contact ABC for most current data.

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the *North American Specification for the Design of Cold-Formed Steel Structural Members* published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.

PRODUCT INFORMATION

PBC WALL PANEL
ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge (0.0133"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	116.66	65.62	42.00	29.16	21.26	14.24	10.00
	LIVE LOAD/DEFLECTION	116.66	65.62	42.00	29.16	21.26	14.24	10.00
2-span	NEGATIVE WIND LOAD	114.69	64.99	41.74	29.04	21.36	16.37	12.94
	LIVE LOAD/DEFLECTION	85.02	63.77	41.74	29.04	21.36	16.37	12.94
3-span	NEGATIVE WIND LOAD	142.32	80.90	52.03	36.23	26.66	20.43	16.16
	LIVE LOAD/DEFLECTION	96.61	72.46	52.03	36.23	26.66	20.43	16.16
4-span	NEGATIVE WIND LOAD	133.18	75.62	48.61	33.84	24.90	19.08	15.09
	LIVE LOAD/DEFLECTION	92.99	69.74	48.61	33.84	24.90	19.08	15.09

26 Gauge (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	158.15	88.96	56.94	39.54	28.98	19.42	13.64
	LIVE LOAD/DEFLECTION	158.15	88.96	56.94	39.54	28.98	19.42	13.64
2-span	NEGATIVE WIND LOAD	155.46	88.10	56.58	39.37	28.96	22.19	17.54
	LIVE LOAD/DEFLECTION	155.46	88.10	56.58	39.37	28.96	22.19	17.54
3-span	NEGATIVE WIND LOAD	192.89	109.66	70.53	49.11	36.14	27.70	21.90
	LIVE LOAD/DEFLECTION	192.89	109.66	70.53	49.11	36.14	27.70	21.90
4-span	NEGATIVE WIND LOAD	180.50	102.50	65.89	45.87	33.75	25.87	20.45
	LIVE LOAD/DEFLECTION	180.50	102.50	65.89	45.87	33.75	25.87	20.45

24 Gauge (0.0223"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	161.82	91.03	58.26	40.46	29.72	22.76	16.82
	LIVE LOAD/DEFLECTION	161.82	91.03	58.26	40.46	29.72	22.76	16.82
2-span	NEGATIVE WIND LOAD	159.03	90.13	57.89	40.28	29.63	22.70	17.95
	LIVE LOAD/DEFLECTION	159.03	90.13	57.89	40.28	29.63	22.70	17.95
3-span	NEGATIVE WIND LOAD	197.31	112.18	72.16	50.25	36.98	28.34	22.41
	LIVE LOAD/DEFLECTION	197.31	112.18	72.16	50.25	36.98	28.34	22.41
4-span	NEGATIVE WIND LOAD	184.64	104.86	67.42	46.93	34.53	26.46	20.92
	LIVE LOAD/DEFLECTION	184.64	104.86	67.42	46.93	34.53	26.46	20.92

22 Gauge (0.0286"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	206.48	116.15	74.33	51.62	37.93	29.04	21.62
	LIVE LOAD/DEFLECTION	206.48	116.15	74.33	51.62	37.93	29.04	21.62
2-span	NEGATIVE WIND LOAD	202.85	114.99	73.86	51.39	37.80	28.96	22.90
	LIVE LOAD/DEFLECTION	202.85	114.99	73.86	51.39	37.80	28.96	22.90
3-span	NEGATIVE WIND LOAD	251.65	143.11	92.06	64.11	47.18	36.16	28.60
	LIVE LOAD/DEFLECTION	251.65	143.11	92.06	64.11	47.18	36.16	28.60
4-span	NEGATIVE WIND LOAD	235.50	133.77	86.01	59.88	44.06	33.77	26.70
	LIVE LOAD/DEFLECTION	235.50	133.77	86.01	59.88	44.06	33.77	26.70

Notes:

1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/60 under strength-level loads.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
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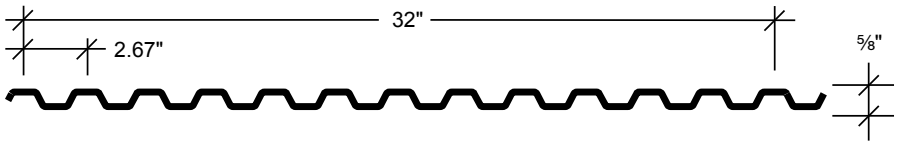
AMERICAN BUILDING COMPONENTS

PRODUCT INFORMATION

PBD PANEL



SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL	Fy	WEIGHT	Ixe	Sxe	Maxo	Ixe	Sxe	Maxo
GAUGE	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
29	60*	0.84	0.019	0.044	1.575	0.019	0.044	1.575
26	60*	1.06	0.027	0.059	2.135	0.027	0.059	2.135
24	50	1.28	0.033	0.073	2.185	0.033	0.073	2.185
22	50	1.62	0.042	0.093	2.788	0.042	0.093	2.788

* Fy is 80-ksi reduced to 60-ksi in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members - A2.3.2.

NOTES:
1. All calculations for the properties of PBD Roof panels are calculated in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. Ixe is for deflection determination.
3. Sxe is for bending.
4. Maxo is allowable bending moment.
5. All values are for one foot of panel width.

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the *North American Specification for the Design of Cold-Formed Steel Structural Members* published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.

PRODUCT INFORMATION

PBD ROOF PANEL
ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge (0.0133"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	106.73	60.04	35.53	20.56	12.95	8.68	6.09
	LIVE LOAD/DEFLECTION	38.45	16.22	8.31	4.81	3.03	2.03	1.42
2-span	NEGATIVE WIND LOAD	105.41	59.69	38.32	26.66	19.60	15.02	11.87
	LIVE LOAD/DEFLECTION	105.12	45.14	23.11	13.38	8.42	5.64	3.96
3-span	NEGATIVE WIND LOAD	130.89	74.33	47.78	33.26	24.47	18.17	12.76
	LIVE LOAD/DEFLECTION	80.62	34.01	17.41	10.08	6.35	4.25	2.99
4-span	NEGATIVE WIND LOAD	122.45	69.46	44.63	31.06	22.85	17.51	13.73
	LIVE LOAD/DEFLECTION	86.73	36.59	18.73	10.84	6.83	4.57	3.21

26 Gauge (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	163.78	92.13	51.62	29.87	18.81	12.60	8.85
	LIVE LOAD/DEFLECTION	56.04	23.64	12.11	7.01	4.41	2.96	2.08
2-span	NEGATIVE WIND LOAD	162.01	91.92	59.07	41.11	30.24	23.17	18.32
	LIVE LOAD/DEFLECTION	149.98	63.27	32.40	18.75	11.81	7.91	5.55
3-span	NEGATIVE WIND LOAD	200.80	114.34	73.60	51.27	37.74	26.03	18.28
	LIVE LOAD/DEFLECTION	116.06	48.96	25.07	14.51	9.14	6.12	4.30
4-span	NEGATIVE WIND LOAD	187.97	106.90	68.77	47.89	35.25	27.02	19.53
	LIVE LOAD/DEFLECTION	123.91	52.28	26.77	15.49	9.75	6.53	4.59

24 Gauge (0.0223"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	155.32	87.37	55.92	38.83	25.19	16.87	11.85
	LIVE LOAD/DEFLECTION	75.14	31.70	16.23	9.39	5.91	3.96	2.78
2-span	NEGATIVE WIND LOAD	154.61	87.62	56.28	39.16	28.80	22.07	17.45
	LIVE LOAD/DEFLECTION	152.72	77.68	39.77	23.02	14.49	9.71	6.82
3-span	NEGATIVE WIND LOAD	191.83	109.06	70.15	48.85	35.95	27.55	21.79
	LIVE LOAD/DEFLECTION	144.26	60.86	31.16	18.03	11.36	7.61	5.34
4-span	NEGATIVE WIND LOAD	179.51	101.95	65.54	45.63	33.57	25.73	20.34
	LIVE LOAD/DEFLECTION	153.12	64.60	33.07	19.14	12.05	8.07	5.67

22 Gauge (0.0286"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	201.90	113.57	72.68	50.48	32.69	21.90	15.38
	LIVE LOAD/DEFLECTION	97.47	41.12	21.05	12.18	7.67	5.14	3.61
2-span	NEGATIVE WIND LOAD	200.54	113.69	73.03	50.82	37.38	28.64	22.64
	LIVE LOAD/DEFLECTION	198.37	99.25	50.82	29.41	18.52	12.41	8.71
3-span	NEGATIVE WIND LOAD	248.75	141.48	91.02	63.39	46.66	35.76	28.28
	LIVE LOAD/DEFLECTION	184.31	77.75	39.81	23.04	14.51	9.72	6.83
4-span	NEGATIVE WIND LOAD	232.80	132.26	85.04	59.21	43.57	33.39	26.40
	LIVE LOAD/DEFLECTION	195.65	82.54	42.26	24.46	15.40	10.32	7.25

Notes:

1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/180 under strength-level loads.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
6. Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.
7. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
8. This material is subject to change without notice. Please contact ABC for most current data.

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AMERICAN BUILDING COMPONENTS

PRODUCT INFORMATION

PBD WALL PANEL
ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge (0.0133"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	106.73	60.04	35.53	20.56	12.95	8.68	6.09
	LIVE LOAD/DEFLECTION	107.04	60.21	35.59	20.60	12.97	8.69	6.10
2-span	NEGATIVE WIND LOAD	105.41	59.69	38.32	26.66	19.60	15.02	11.87
	LIVE LOAD/DEFLECTION	105.12	59.52	38.21	26.58	19.55	14.98	11.84
3-span	NEGATIVE WIND LOAD	130.89	74.33	47.78	33.26	24.47	18.17	12.76
	LIVE LOAD/DEFLECTION	130.54	74.12	47.65	33.17	24.41	18.22	12.80
4-span	NEGATIVE WIND LOAD	122.45	69.46	44.63	31.06	22.85	17.51	13.73
	LIVE LOAD/DEFLECTION	122.12	69.27	44.51	30.98	22.79	17.46	13.77

26 Gauge (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	163.78	92.13	51.62	29.87	18.81	12.60	8.85
	LIVE LOAD/DEFLECTION	165.27	92.96	51.88	30.02	18.91	12.67	8.90
2-span	NEGATIVE WIND LOAD	162.01	91.92	59.07	41.11	30.24	23.17	18.32
	LIVE LOAD/DEFLECTION	160.61	91.11	58.54	40.74	29.97	22.97	18.16
3-span	NEGATIVE WIND LOAD	200.80	114.34	73.60	51.27	37.74	26.03	18.28
	LIVE LOAD/DEFLECTION	199.08	113.34	72.95	50.82	37.41	26.23	18.42
4-span	NEGATIVE WIND LOAD	187.97	106.90	68.77	47.89	35.25	27.02	19.53
	LIVE LOAD/DEFLECTION	186.36	105.96	68.16	47.47	34.93	26.77	19.67

24 Gauge (0.0223"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	155.32	87.37	55.92	38.83	25.19	16.87	11.85
	LIVE LOAD/DEFLECTION	157.32	88.49	56.63	39.33	25.35	16.98	11.93
2-span	NEGATIVE WIND LOAD	154.61	87.62	56.28	39.16	28.80	22.07	17.45
	LIVE LOAD/DEFLECTION	152.72	86.53	55.57	38.66	28.44	21.79	17.22
3-span	NEGATIVE WIND LOAD	191.83	109.06	70.15	48.85	35.95	27.55	21.79
	LIVE LOAD/DEFLECTION	189.51	107.72	69.28	48.24	35.50	27.21	21.51
4-span	NEGATIVE WIND LOAD	179.51	101.95	65.54	45.63	33.57	25.73	20.34
	LIVE LOAD/DEFLECTION	177.33	100.69	64.72	45.05	33.15	25.40	20.08

22 Gauge (0.0286"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	201.90	113.57	72.68	50.48	32.69	21.90	15.38
	LIVE LOAD/DEFLECTION	204.19	114.86	63.16	36.55	23.02	15.42	10.83
2-span	NEGATIVE WIND LOAD	200.54	113.69	73.03	50.82	37.38	28.64	22.64
	LIVE LOAD/DEFLECTION	198.37	112.44	72.22	50.25	36.96	28.32	22.39
3-span	NEGATIVE WIND LOAD	248.75	141.48	91.02	63.39	46.66	35.76	28.28
	LIVE LOAD/DEFLECTION	246.10	139.94	90.02	62.69	43.52	29.16	20.48
4-span	NEGATIVE WIND LOAD	232.80	132.26	85.04	59.21	43.57	33.39	26.40
	LIVE LOAD/DEFLECTION	230.30	130.81	84.10	58.55	43.08	30.95	21.74

Notes:
1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/60 under strength-level loads.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
6. Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.
7. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
8. This material is subject to change without notice. Please contact ABC for most current data.

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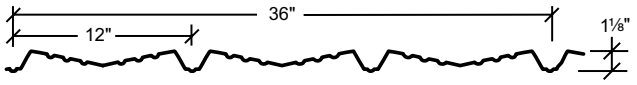
PRODUCT INFORMATION

AVP SQUARE FOOTAGE CHART

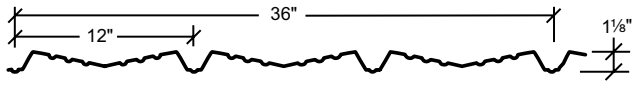


Number of Square Feet Per Panel

	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
1 FT.	3.19	3.45	3.72	3.98	4.25	4.52	4.78	5.05	5.31	5.58	5.84	6.11
2 FT.	6.38	6.64	6.91	7.17	7.44	7.70	7.97	8.23	8.50	8.76	9.03	9.30
3 FT.	9.56	9.83	10.09	10.36	10.62	10.89	11.16	11.42	11.69	11.95	12.22	12.48
4 FT.	12.75	13.02	13.28	13.55	13.81	14.08	14.34	14.61	14.87	15.14	15.41	15.67
5 FT.	15.94	16.20	16.47	16.73	17.00	17.27	17.53	17.80	18.06	18.33	18.59	18.86
6 FT.	19.13	19.39	19.66	19.92	20.19	20.45	20.72	20.98	21.25	21.51	21.78	22.05
7 FT.	22.31	22.58	22.84	23.11	23.37	23.64	23.91	24.17	24.44	24.70	24.97	25.23
8 FT.	25.50	25.77	26.03	26.30	26.56	26.83	27.09	27.36	27.62	27.89	28.16	28.42
9 FT.	28.69	28.95	29.22	29.48	29.75	30.02	30.28	30.55	30.81	31.08	31.34	31.61
10 FT.	31.88	32.14	32.41	32.67	32.94	33.20	33.47	33.73	34.00	34.26	34.53	34.80
11 FT.	35.06	35.33	35.59	35.86	36.12	36.39	36.66	36.92	37.19	37.45	37.72	37.98
12 FT.	38.25	38.52	38.78	39.05	39.31	39.58	39.84	40.11	40.37	40.64	40.91	41.17
13 FT.	41.44	41.70	41.97	42.23	42.50	42.77	43.03	43.30	43.56	43.83	44.09	44.36
14 FT.	44.63	44.89	45.16	45.42	45.69	45.95	46.22	46.48	46.75	47.01	47.28	47.55
15 FT.	47.81	48.08	48.34	48.61	48.87	49.14	49.41	49.67	49.94	50.20	50.47	50.73
16 FT.	51.00	51.27	51.53	51.80	52.06	52.33	52.59	52.86	53.12	53.39	53.66	53.92
17 FT.	54.19	54.45	54.72	54.98	55.25	55.52	55.78	56.05	56.31	56.58	56.84	57.11
18 FT.	57.38	57.64	57.91	58.17	58.44	58.70	58.97	59.23	59.50	59.76	60.03	60.30
19 FT.	60.56	60.83	61.09	61.36	61.62	61.89	62.16	62.42	62.69	62.95	63.22	63.48
20 FT.	63.75	64.02	64.28	64.55	64.81	65.08	65.34	65.61	65.87	66.14	66.41	66.67
21 FT.	66.94	67.20	67.47	67.73	68.00	68.27	68.53	68.80	69.06	69.33	69.59	69.86
22 FT.	70.13	70.39	70.66	70.92	71.19	71.45	71.72	71.98	72.25	72.51	72.78	73.05
23 FT.	73.31	73.58	73.84	74.11	74.37	74.64	74.91	75.17	75.44	75.70	75.97	76.23
24 FT.	76.50	76.77	77.03	77.30	77.56	77.83	78.09	78.36	78.62	78.89	79.16	79.42
25 FT.	79.69	79.95	80.22	80.48	80.75	81.02	81.28	81.55	81.81	82.08	82.34	82.61
26 FT.	82.88	83.14	83.41	83.67	83.94	84.20	84.47	84.73	85.00	85.26	85.53	85.80
27 FT.	86.06	86.33	86.59	86.86	87.12	87.39	87.66	87.92	88.19	88.45	88.72	88.98
28 FT.	89.25	89.52	89.78	90.05	90.31	90.58	90.84	91.11	91.37	91.64	91.91	92.17
29 FT.	92.44	92.70	92.97	93.23	93.50	93.77	94.03	94.30	94.56	94.83	95.09	95.36
30 FT.	95.63	95.89	96.16	96.42	96.69	96.95	97.22	97.48	97.75	98.01	98.28	98.55
31 FT.	98.81	99.08	99.34	99.61	99.87	100.14	100.41	100.67	100.94	101.20	101.47	101.73
32 FT.	102.00	102.27	102.53	102.80	103.06	103.33	103.59	103.86	104.12	104.39	104.66	104.92
33 FT.	105.19	105.45	105.72	105.98	106.25	106.52	106.78	107.05	107.31	107.58	107.84	108.11
34 FT.	108.38	108.64	108.91	109.17	109.44	109.70	109.97	110.23	110.50	110.76	111.03	111.30
35 FT.	111.56	111.83	112.09	112.36	112.62	112.89	113.16	113.42	113.69	113.95	114.22	114.48
36 FT.	114.75	115.02	115.28	115.55	115.81	116.08	116.34	116.61	116.87	117.14	117.41	117.67
37 FT.	117.94	118.20	118.47	118.73	119.00	119.27	119.53	119.80	120.06	120.33	120.59	120.86
38 FT.	121.13	121.39	121.66	121.92	122.19	122.45	122.72	122.98	123.25	123.51	123.78	124.05
39 FT.	124.31	124.58	124.84	125.11	125.37	125.45	125.91	126.17	126.44	126.70	126.97	127.23
40 FT.	127.50	127.77	128.03	128.30	128.56	128.83	129.09	129.36	129.62	129.89	130.16	130.42

PRODUCT INFORMATION

AVP PANEL PRICING INFORMATION



GAUGE	COVERAGE	YIELD(PSI)	WEIGHT PER SQ.	FINISH
26	36"	80,000	98#	Galvalume Plus® ¤
26	36"	80,000	98#	Signature 200 *
26	36"	80,000	98#	Signature 300 *
24	36"	50,000	123#	Galvalume Plus® ¤
24	36"	50,000	123#	Signature 200 * †
24	36"	50,000	123#	Signature 300 * †
22	36"	50,000	156#	Galvalume Plus® ¤
22	36"	50,000	162#	Signature 200 *
.024 Alum ††	36"	18,000	40#	Signature 200 *

†† Perforated only
*** See 26 Gauge Color Chart for available colors**
† Minimum quantities may be required for some colors. Please inquire.
¤ The Galvalume Plus coating is subject to variances in spangle from coil to coil which may result in noticeable shade variation in installed panels. The Galvalume Plus coating is also subject to differential weathering after panel installation. Panels may appear to be different shades due to this weathering characteristic. If a consistent appearance is required, ABC recommends that pre-painted panels be used in lieu of Galvalume Plus. Shade variation in panels manufactured from Galvalume Plus coated material do not diminish the structural integrity of the product. These shade variations should be anticipated and are not a cause for rejection.Consult the ABC 26 Gauge TECHNICAL/ PRODUCT INFORMATION MANUAL for proper product application, design details and other product information.

Panel Pricing:
1. All "AVP" panel pricing is based on a 38¼" sheet width (see chart on opposite page).
2. Add $8.00 per square for embossing. 29 and 26 gauge cannot be embossed.
3. Add $1.05 per sheet for lengths 4'-0" and under.
4. Add $32.40 set-up charge for reverse run "PBR" or "PBU" panels (upside down).

Packaging Cost:
1. Maximum 3000 pounds or 75 panels per bundle.
2. Standard packaging band with waterproof paper - no charge.
3. Metal cover sheet top ..... $1.00/linear foot
4. Metal cover sheet top and bottom ..... $2.00/linear foot

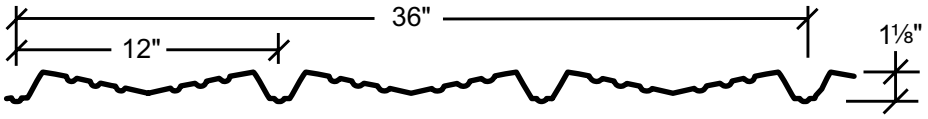
Delivery:
1. 29 and 26 gauge - Stocked Signature® 200 colors (see color chart)..... (Please Inquire)
2. 22 and 24 gauge - Galvalume Plus® and Signature® 200 White ..... (Please Inquire)
3. 22 and 24 gauge - Signature® 200 colors..... Approximately 14 Working Days
4. 26 gauge - Signature® 300 colors (see color chart)..... Approximately 14 Working Days

Notes:
1. "AVP" has pencil ribs as a standard.
2. **Edge of panel in contact with concrete sheeting notch will result in excessive edge creep. Panel corrosion due to contact with concrete or any masonry product is excluded from Panel Warranty.**
3. All perforated material comes with a light oil coating. Panels should be wiped clean before installing.

IMPORTANT NOTICE TO INSTALLER/CUSTOMER: Material should be inspected carefully prior to installation for defects including excessive oil canning. **Installation of material constitutes acceptance.**

PRODUCT INFORMATION

AVP PANEL



SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL	Fy	WEIGHT	Ixe	Sxe	Maxo	Ixe	Sxe	Maxo
GAUGE	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
29	60*	0.75	0.019	0.030	1.081	0.017	0.029	1.047
26	60*	0.94	0.026	0.042	1.524	0.025	0.044	1.568
24	50	1.14	0.033	0.053	1.581	0.034	0.055	1.657
22	50	1.44	0.042	0.068	2.029	0.043	0.071	2.114

* Fy is 80-ksi reduced to 60-ksi in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members - A2.3.2.

NOTES:
1. All calculations for the properties of AVP Wall panels are calculated in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. Ixe is for deflection determination.
3. Sxe is for bending.
4. Maxo is allowable bending moment.
5. All values are for one foot of panel width.

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the *North American Specification for the Design of Cold-Formed Steel Structural Members* published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.

AMERICAN BUILDING COMPONENTS

PRODUCT INFORMATION

AVP PANEL
ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge (0.0133"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	80.09	45.05	28.83	20.02	14.71	11.26	8.90
	LIVE LOAD/DEFLECTION	77.59	43.64	27.93	19.40	14.25	10.91	8.62
2-span	NEGATIVE WIND LOAD	71.40	41.58	27.06	18.97	14.02	10.77	8.54
	LIVE LOAD/DEFLECTION	42.46	31.85	25.48	19.56	14.46	11.11	8.81
3-span	NEGATIVE WIND LOAD	86.38	50.95	33.38	23.49	17.40	13.40	10.62
	LIVE LOAD/DEFLECTION	48.25	36.19	28.95	24.13	17.94	13.81	10.96
4-span	NEGATIVE WIND LOAD	81.54	47.88	31.30	22.00	16.28	12.53	9.93
	LIVE LOAD/DEFLECTION	46.44	34.83	27.87	22.67	16.78	12.92	10.24

26 Gauge (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	112.91	63.51	40.65	28.23	20.74	15.88	12.55
	LIVE LOAD/DEFLECTION	116.22	65.37	41.84	29.05	21.35	16.34	12.71
2-span	NEGATIVE WIND LOAD	110.26	63.42	41.03	28.66	21.13	16.22	12.83
	LIVE LOAD/DEFLECTION	77.50	58.12	39.90	27.86	20.54	15.76	12.47
3-span	NEGATIVE WIND LOAD	134.89	78.27	50.86	35.61	26.30	20.20	16.00
	LIVE LOAD/DEFLECTION	88.06	66.05	49.48	34.64	25.57	19.64	15.55
4-span	NEGATIVE WIND LOAD	126.85	73.38	47.61	33.31	24.58	18.88	14.95
	LIVE LOAD/DEFLECTION	84.76	63.57	46.31	32.39	23.90	18.35	14.53

24 Gauge (0.0223"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	117.14	65.89	42.17	29.28	21.51	16.47	13.02
	LIVE LOAD/DEFLECTION	122.64	68.98	44.15	30.66	22.53	17.25	13.63
2-span	NEGATIVE WIND LOAD	117.44	67.29	43.45	30.32	22.34	17.14	13.56
	LIVE LOAD/DEFLECTION	96.36	64.41	41.56	28.99	21.35	16.38	12.96
3-span	NEGATIVE WIND LOAD	144.19	83.23	53.94	37.71	27.83	21.36	16.91
	LIVE LOAD/DEFLECTION	109.50	79.74	51.62	36.07	26.60	20.42	16.16
4-span	NEGATIVE WIND LOAD	135.42	77.97	50.46	35.26	26.00	19.96	15.80
	LIVE LOAD/DEFLECTION	105.39	74.67	48.28	33.72	24.86	19.08	15.10

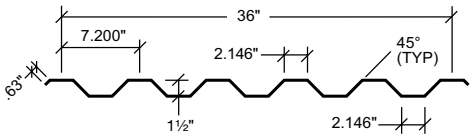
22 Gauge (0.0286"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	150.29	84.54	54.10	37.57	27.60	21.13	16.70
	LIVE LOAD/DEFLECTION	156.61	88.10	56.38	39.15	28.77	22.02	17.40
2-span	NEGATIVE WIND LOAD	149.98	85.94	55.49	38.72	28.53	21.89	17.31
	LIVE LOAD/DEFLECTION	144.40	82.63	53.31	37.19	27.40	21.01	16.62
3-span	NEGATIVE WIND LOAD	184.15	106.30	68.88	48.16	35.54	27.28	21.60
	LIVE LOAD/DEFLECTION	175.54	102.28	66.22	46.28	34.13	26.20	20.74
4-span	NEGATIVE WIND LOAD	172.95	99.58	64.45	45.03	33.21	25.49	20.17
	LIVE LOAD/DEFLECTION	166.66	95.79	61.94	43.26	31.89	24.47	19.37

Notes:
1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/60 under strength-level loads.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
6. Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.
7. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
8. This material is subject to change without notice. Please contact ABC for most current data.

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the *North American Specification for the Design of Cold-Formed Steel Structural Members* published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.

PRODUCT INFORMATION

7.2 PANEL



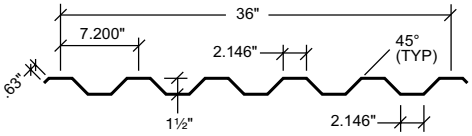
Number of Square Feet Per Panel

	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
1 FT.	3.26	3.53	3.80	4.07	4.35	4.62	4.89	5.16	5.43	5.70	5.98	6.25
2 FT.	6.52	6.79	7.06	7.34	7.61	7.88	8.15	8.42	8.69	8.96	9.24	9.51
3 FT.	9.78	10.05	10.32	10.60	10.87	11.14	11.41	11.68	11.95	12.22	12.50	12.77
4 FT.	13.04	13.31	13.58	13.86	14.13	14.40	14.67	14.94	15.21	15.49	15.76	16.03
5 FT.	16.30	16.57	16.85	17.12	17.39	17.66	17.93	18.20	18.47	18.75	19.02	19.29
6 FT.	19.56	19.83	20.11	20.38	20.65	20.92	21.19	21.46	21.73	22.01	22.28	22.55
7 FT.	22.82	23.09	23.37	23.64	23.91	24.18	24.45	24.72	24.99	25.27	25.54	25.81
8 FT.	26.08	26.35	26.63	26.90	27.17	27.44	27.71	27.98	28.26	28.53	28.80	29.07
9 FT.	29.34	29.62	29.89	30.16	30.43	30.70	30.97	31.24	31.52	31.79	32.06	32.33
10 FT.	32.60	32.88	33.15	33.42	33.69	33.96	34.23	34.50	34.78	35.05	35.32	35.59
11 FT.	35.86	36.14	36.41	36.68	36.95	37.22	37.49	37.76	38.04	38.31	38.58	38.85
12 FT.	39.12	39.40	39.67	39.94	40.21	40.48	40.75	41.03	41.30	41.57	41.84	42.11
13 FT.	42.39	42.66	42.93	43.20	43.47	43.74	44.01	44.29	44.56	44.83	45.10	45.37
14 FT.	45.65	45.92	46.19	46.46	46.73	47.00	47.27	47.55	47.82	48.09	48.36	48.63
15 FT.	48.91	79.18	49.45	49.72	49.99	50.26	50.54	50.81	51.08	51.35	51.62	51.89
16 FT.	52.17	52.44	52.71	52.98	53.25	53.52	53.80	54.07	54.34	54.61	54.88	55.15
17 FT.	55.43	55.70	55.97	56.24	56.51	56.78	57.06	57.33	57.60	57.87	58.14	58.41
18 FT.	58.69	58.96	59.23	59.50	59.77	60.04	60.32	60.59	60.86	61.13	61.40	61.67
19 FT.	61.95	62.22	62.49	62.76	63.03	63.31	63.58	63.85	64.12	64.39	64.66	64.93
20 FT.	65.21	65.48	65.75	66.02	66.29	66.57	66.84	67.11	67.38	67.65	67.92	68.19
21 FT.	68.47	68.74	69.01	69.28	69.55	69.83	70.10	70.37	70.64	70.91	71.18	71.45
22 FT.	71.73	72.00	72.27	72.54	72.81	73.09	73.36	73.63	73.90	74.17	74.44	74.72
23 FT.	74.99	75.26	75.53	75.80	76.08	76.35	76.62	76.89	77.16	77.43	77.70	77.98
24 FT.	78.25	78.52	78.79	79.06	79.34	79.61	79.88	80.15	80.42	80.69	80.96	81.24
25 FT.	81.51	81.78	82.05	82.32	82.60	82.87	83.14	83.41	83.68	83.95	84.23	84.50
26 FT.	84.77	85.04	85.31	85.58	85.86	86.13	86.40	86.67	86.94	87.21	87.49	87.76
27 FT.	88.03	88.30	88.57	88.85	89.12	89.39	89.66	89.93	90.20	90.47	90.75	91.02
28 FT.	91.29	91.56	91.83	92.11	92.38	92.65	92.92	93.19	93.46	93.73	94.01	94.28
29 FT.	94.55	94.82	95.09	95.37	95.64	95.91	96.18	96.45	96.72	97.00	97.27	97.54
30 FT.	97.81	98.08	98.36	98.63	98.90	99.17	99.44	99.71	99.98	100.26	100.53	100.80
31 FT.	101.07	101.34	101.62	101.89	102.16	102.43	102.70	102.97	103.24	103.52	103.79	104.06
32 FT.	104.33	104.60	104.88	105.15	105.42	105.69	105.96	106.23	106.50	106.78	107.05	107.32
33 FT.	107.59	107.86	108.14	108.41	108.68	108.95	109.22	109.49	109.77	110.04	110.31	110.58
34 FT.	110.85	111.13	111.40	111.67	111.94	112.21	112.48	112.75	113.03	113.30	113.57	113.84
35 FT.	114.11	114.39	114.66	114.93	115.20	115.47	115.74	116.01	116.29	116.56	116.83	117.10
36 FT.	117.37	117.65	117.92	118.19	118.46	118.73	119.00	119.27	119.55	119.82	120.09	120.36
37 FT.	120.63	120.91	121.18	121.45	121.72	121.99	122.26	122.54	122.81	123.08	123.35	123.62
38 FT.	123.90	124.17	124.44	124.71	124.98	125.25	125.52	125.80	126.07	126.34	126.61	126.88
39 FT.	127.16	127.43	127.70	127.97	128.24	128.51	128.78	129.06	129.33	129.60	129.87	130.14
40 FT.	130.42	130.69	130.96	131.23	131.50	131.77	132.04	132.32	132.59	132.86	133.13	133.40

AMERICAN BUILDING COMPONENTS

PRODUCT INFORMATION

7.2 PANEL



GAUGE	COVERAGE	YIELD(PSI)	WEIGHT PER SQ.	FINISH
29	36"	80,000	72#	Galvalume Plus® ¤
29	36"	80,000	72#	Signature 200 * †
26	36"	80,000	96#	Galvalume Plus® ¤
26	36"	80,000	96#	Signature 200 * †
24	36"	50,000	118#	Galvalume Plus® ¤
24	36"	50,000	118#	Signature 200 * †
24	36"	50,000	118#	Signature 300 * †
22	36"	50,000	146#	Galvalume Plus® ¤
22	36"	50,000	146#	Signature 200 *
22	36"	50,000	146#	Signature 300 *

† Minimum quantities may be required for some colors. Please inquire.
*** See Commercial/Industrial Color Chart for available colors**

¤ The Galvalume Plus coating is subject to variances in spangle from coil to coil which may result in noticeable shade variation in installed panels. The Galvalume Plus coating is also subject to differential weathering after panel installation. Panels may appear to be different shades due to this weathering characteristic. If a consistent appearance is required, ABC recommends that pre-painted panels be used in lieu of Galvalume Plus. Shade variation in panels manufactured from Galvalume Plus coated material do not diminish the structural integrity of the product. These shade variations should be anticipated and are not a cause for rejection.

Consult the ABC 26 Gauge TECHNICAL/PRODUCT INFORMATION MANUAL for proper product application, design details and other product information.

Panel Pricing:

1. All "7.2" panel pricing is based on a 39⅛" sheet width (see chart on opposite page).
2. Add $8.00 per square for embossing. 29 and 26 gauge cannot be embossed.
3. Add $1.05 per sheet for lengths 4'-0" and under.

Packaging Cost:

1. Maximum 3000 pounds or 75 panels per bundle.
2. Standard packaging band with waterproof paper - no charge.
3. Metal cover sheet top ..... $1.00/linear foot
4. Metal cover sheet top and bottom ..... $2.00/linear foot

Delivery:

1. 29 gauge - Stocked Signature® 200 colors (see color chart)..... (Please Inquire)
2. 26 , 24 and 22 gauge - (see color chart) ..... (Please Inquire)

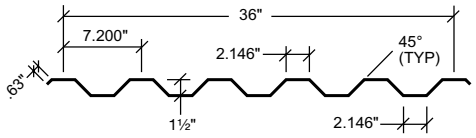
Notes:

1. **Edge of panel in contact with concrete sheeting notch will result in excessive edge creep. Panel corrosion due to contact with concrete or any masonry product is excluded from Panel Warranty.**
2. All perforated material comes with a light oil coating. Panels should be wiped clean before installing.
3. **Panels should be ordered "Reverse Rolled" for use on walls. This allows the lap fasteners to be recessed and less visible**.

IMPORTANT NOTICE TO INSTALLER/CUSTOMER: Material should be inspected carefully prior to installation for defects including excessive oil canning. **Installation of material constitutes acceptance.**

PRODUCT INFORMATION

7.2 PANEL



SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL	Fy	WEIGHT	Ixe	Sxe	Maxo	Ixe	Sxe	Maxo
GAUGE	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
29	60*	0.66	0.048	0.048	1.928	0.050	0.056	2.269
26	60*	0.86	0.072	0.077	3.208	0.075	0.091	3.759
24	50	1.06	0.100	0.113	3.395	0.099	0.124	3.719
22	50	1.36	0.134	0.156	4.675	0.133	0.171	5.114

* Fy is 80-ksi reduced to 60-ksi in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members - A2.3.2.

NOTES:

1. All calculations for the properties of 7.2 Roof panels are calculated in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. Ixe is for deflection determination.
3. Sxe is for bending.
4. Maxo is allowable bending moment.
5. All values are for one foot of panel width.

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the *North American Specification for the Design of Cold-Formed Steel Structural Members* published by the American Iron and Steel Institute to facilitate design. This Specification contains the design criteria for cold-formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.

AMERICAN BUILDING COMPONENTS

PRODUCT INFORMATION

7.2 PANEL
ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge (0.0133"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	142.84	80.35	51.42	35.71	26.24	20.09	15.87
	LIVE LOAD/DEFLECTION	102.44	68.59	35.12	20.32	12.80	8.57	6.02
2-span	NEGATIVE WIND LOAD	110.34	71.62	49.82	36.44	27.70	21.71	17.44
	LIVE LOAD/DEFLECTION	102.19	64.82	44.37	32.09	24.20	18.86	15.09
3-span	NEGATIVE WIND LOAD	123.35	82.15	58.28	43.24	33.22	26.25	21.21
	LIVE LOAD/DEFLECTION	115.90	75.44	52.58	38.51	28.80	19.30	13.55
4-span	NEGATIVE WIND LOAD	119.43	78.91	55.63	41.08	31.45	24.78	19.99
	LIVE LOAD/DEFLECTION	111.72	72.13	49.98	36.45	27.66	20.76	14.58

26 Gauge (0.0181"), Fy = 60 ksi, Fu = 61.5 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	237.61	133.66	85.54	59.40	43.64	33.41	26.40
	LIVE LOAD/DEFLECTION	162.95	103.02	52.75	30.53	19.22	12.88	9.04
2-span	NEGATIVE WIND LOAD	222.59	136.44	91.38	65.16	48.68	37.69	30.01
	LIVE LOAD/DEFLECTION	143.95	107.96	79.83	56.57	42.08	32.49	25.82
3-span	NEGATIVE WIND LOAD	258.47	162.17	110.20	79.32	59.63	46.36	37.03
	LIVE LOAD/DEFLECTION	163.58	122.69	97.08	64.84	40.83	27.35	19.21
4-span	NEGATIVE WIND LOAD	247.30	153.99	104.13	74.72	56.05	43.52	34.72
	LIVE LOAD/DEFLECTION	157.45	118.09	91.48	65.14	44.07	29.52	20.74

24 Gauge (0.0223"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	251.48	141.46	90.53	62.87	46.19	35.36	27.94
	LIVE LOAD/DEFLECTION	202.14	135.78	69.52	40.23	25.33	16.97	11.92
2-span	NEGATIVE WIND LOAD	253.79	147.73	96.14	67.39	49.79	38.27	30.31
	LIVE LOAD/DEFLECTION	156.28	117.21	88.20	61.73	45.57	35.00	27.71
3-span	NEGATIVE WIND LOAD	307.17	181.07	118.61	83.46	61.81	47.58	37.73
	LIVE LOAD/DEFLECTION	177.59	133.19	106.55	76.57	53.77	36.02	25.30
4-span	NEGATIVE WIND LOAD	289.91	170.16	111.21	78.15	57.83	44.49	35.27
	LIVE LOAD/DEFLECTION	170.93	128.19	102.17	71.66	52.97	38.84	27.28

22 Gauge (0.0286"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	346.31	194.80	124.67	86.58	63.61	48.70	38.48
	LIVE LOAD/DEFLECTION	322.96	181.52	92.94	53.78	33.87	22.69	15.94
2-span	NEGATIVE WIND LOAD	357.18	205.97	133.40	93.26	68.79	52.81	41.80
	LIVE LOAD/DEFLECTION	199.38	149.54	119.63	85.47	63.01	48.35	38.26
3-span	NEGATIVE WIND LOAD	435.96	253.83	165.20	115.80	85.57	65.76	52.09
	LIVE LOAD/DEFLECTION	226.57	169.93	135.94	106.25	71.31	47.77	33.55
4-span	NEGATIVE WIND LOAD	410.29	238.09	154.70	108.33	80.00	61.46	48.67
	LIVE LOAD/DEFLECTION	218.07	163.56	130.84	99.36	73.31	51.25	35.99

Notes:
1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/180 under strength-level loads.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
6. Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.
7. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
8. This material is subject to change without notice. Please contact ABC for most current data.

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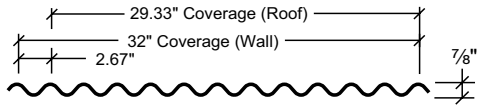
AMERICAN BUILDING COMPONENTS®

Commercial/Industrial

PRODUCT INFORMATION

RUSTIC TRAIL PANEL



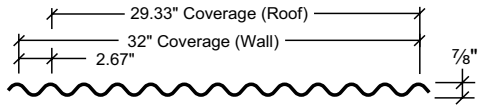
Number of Square Feet Per Panel

	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
1 FT.	2.83	3.07	3.31	3.54	3.78	4.01	4.25	4.49	4.72	4.96	5.19	5.43
2 FT.	5.57	5.90	6.14	6.37	6.61	6.85	7.08	7.32	7.56	7.79	8.03	8.26
3 FT.	8.50	8.74	8.97	9.21	9.44	9.68	9.92	10.15	10.39	10.62	10.86	11.10
4 FT.	11.33	11.57	11.81	12.04	12.28	12.51	12.75	12.99	13.22	13.46	13.69	13.93
5 FT.	14.17	14.40	14.64	14.87	15.11	15.35	15.58	15.82	16.06	16.29	16.53	16.76
6 FT.	17.00	17.24	17.47	17.71	17.94	18.18	18.42	18.65	18.89	19.12	19.36	19.60
7 FT.	19.83	20.07	20.31	20.54	20.78	21.01	21.25	21.49	21.72	21.96	22.19	22.43
8 FT.	22.67	22.90	23.14	23.37	23.61	23.85	24.08	24.32	24.56	24.79	25.03	25.26
9 FT.	25.50	25.74	25.97	26.21	26.44	26.68	26.92	27.15	27.39	27.62	27.86	28.10
10 FT.	28.33	28.57	28.81	29.04	29.28	29.51	29.75	29.99	30.22	30.46	30.69	30.93
11 FT.	31.17	31.40	31.64	31.87	32.11	32.35	32.58	32.82	33.05	33.29	33.53	33.76
12 FT.	34.00	34.24	34.47	34.71	34.94	35.18	35.42	35.65	35.89	36.12	36.36	36.60
13 FT.	36.83	37.07	37.31	37.54	37.78	38.01	38.25	38.49	38.72	38.96	39.19	39.43
14 FT.	39.67	39.90	40.14	40.37	40.61	40.85	41.08	41.32	41.56	41.79	42.03	42.26
15 FT.	42.50	42.74	42.97	43.21	43.44	43.68	43.92	44.15	44.39	44.62	44.86	45.10
16 FT.	45.33	45.57	45.81	46.04	46.28	46.51	46.75	46.99	47.22	47.46	47.69	47.93
17 FT.	48.17	48.40	48.64	48.87	49.11	49.35	49.58	49.82	50.06	50.29	50.53	50.76
18 FT.	51.00	51.24	51.47	51.71	51.94	52.18	52.42	52.65	52.89	53.12	53.36	53.60
19 FT.	53.83	54.07	54.31	54.54	54.78	55.01	55.25	55.49	55.72	55.96	56.19	56.43
20 FT.	56.67	56.90	57.14	57.37	57.61	57.85	58.08	58.32	58.55	58.79	59.03	59.26
21 FT.	59.50	59.74	59.97	60.21	60.44	60.68	60.92	61.15	61.39	61.62	61.86	62.10
22 FT.	62.33	62.57	62.80	63.04	63.28	63.51	63.75	63.99	64.22	64.46	64.69	64.93
23 FT.	65.17	65.40	65.64	65.87	66.11	66.35	66.58	66.82	67.05	67.29	67.53	67.76
24 FT.	68.00	68.24	68.47	68.71	68.94	69.18	69.42	69.65	69.89	70.12	70.36	70.60
25 FT.	70.83	71.07	71.30	71.54	71.78	72.01	72.25	72.49	72.72	72.96	73.19	73.43
26 FT.	73.67	73.90	74.14	74.37	74.61	74.85	75.08	75.32	75.55	75.79	76.03	76.26
27 FT.	76.50	76.74	76.97	77.21	77.44	77.68	77.92	78.15	78.39	78.62	78.86	79.10
28 FT.	79.33	79.57	79.80	80.04	80.28	80.51	80.75	80.99	81.22	81.46	81.69	81.93
29 FT.	82.17	82.40	82.64	82.87	83.11	83.35	83.58	83.82	84.05	84.29	84.53	84.76
30 FT.	85.00	85.24	85.47	85.71	85.94	86.18	86.42	86.65	86.89	87.12	87.36	87.60
31 FT.	87.83	88.07	88.30	88.54	88.78	89.01	89.25	89.48	89.72	89.96	90.19	90.43
32 FT.	90.67	90.90	91.14	91.37	91.61	91.85	92.08	92.32	92.55	92.79	93.03	93.26
33 FT.	93.50	93.73	93.97	94.21	94.44	94.68	94.92	95.15	95.39	95.62	95.86	96.10
34 FT.	96.33	96.57	96.80	97.04	97.28	97.51	97.75	97.98	98.22	98.46	98.69	98.93
35 FT.	99.17	99.40	99.64	99.87	100.11	100.35	100.58	100.82	101.05	101.29	101.53	101.76
36 FT.	102.00	102.23	102.47	102.71	102.94	103.18	103.42	103.65	103.89	104.12	104.36	104.60
37 FT.	104.83	105.07	105.30	105.54	105.78	106.01	106.25	106.48	106.72	106.96	107.19	107.43
38 FT.	107.67	107.90	108.14	108.37	108.61	108.85	109.08	109.32	109.55	109.79	110.03	110.26
39 FT.	110.50	110.73	110.97	111.21	111.44	111.68	111.92	112.15	112.39	112.62	112.86	113.10
40 FT.	113.33	113.57	113.80	114.04	114.28	114.51	114.75	114.98	115.22	115.46	115.69	115.93

AMERICAN BUILDING COMPONENTS

PRODUCT INFORMATION

RUSTIC TRAIL PANEL



GAUGE	COVERAGE	YIELD(PSI)	WEIGHT PER SQ.	FINISH
22	29.33"	33,000	162#	Natural Oxide

Panel Pricing:
1. All Rustic Trail Panel Pricing Is Based On A 34" Sheet Width (See Chart On Opposite Page).
2. Add $1.05 Per Sheet For Lengths 4'-0" And Under.

Packaging Cost:
1. Maximum 3000 Pounds Or 75 Panels Per Bundle.
2. Block and band Only $10.00
3. Block and band, waterproof paper wrap. . . . . $1.40/Linear foot
4. Block and band, waster sheet top only. . . . . $1.60/Linear foot
5. Block and band, waster sheet top and bottom . . . . . $2.80/Linear foot
6. Ltl package - block and band, waster sheet top and bottom, angle board sides and ends . . . . . $3.50/Linear foot
7. Export package - block and band, waster sheet top and bottom, steel and wood boxed . . . . . .Special Order Only

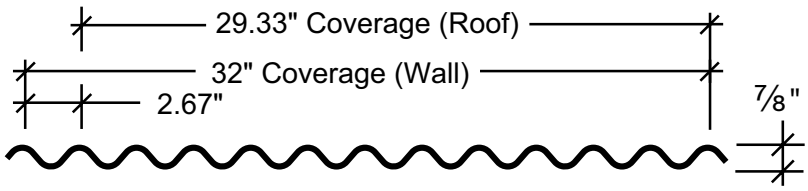
Delivery:
1. 22 Gauge - Natural Oxide . . . . . (Please Inquire)

Notes:
1. **Rustic Trail Panel Disclaimer:** The cold rolled bare steel from which the Rustic Trail panels and/or trim are manufactured is intended to naturally weather and rust. For this reason, we recommend that these panels and/or trim be used only in arid to semi-arid climates and not installed in a manner that allows for ponding water. Recommended minimum roof pitch is 3:12.
2. Water runoff from Rustic Trail Panel and/or trim **can/will stain surrounding surfaces**, including but not limited to walls, driveways, and sidewalks.
3. RUSTIC TRAIL PANELS AND TRIM ARE SOLD "AS IS" AND CARRY NO WARRANTY, WHETHER EXPRESS OR IMPLIED. ALL WARRANTIES, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE HEREBY EXCLUDED.

IMPORTANT NOTICE TO INSTALLER/CUSTOMER: Material should be inspected carefully prior to installation for defects including excessive oil canning. **Installation of material constitutes acceptance.**

PRODUCT INFORMATION

RUSTIC TRAIL PANEL



SECTION PROPERTIES								
			NEGATIVE BENDING			POSITIVE BENDING		
PANEL	FY	WEIGHT	IXE	SXE	MAXO	IXE	SXE	MAXO
GAUGE	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
22	33	1.62	0.0375	0.0832	1.3980	0.0375	0.0832	1.3980

* Panels are made from 33 ksi yield material. Flexural effective yield strengths vary by direction of bending. Shear and web crippling capacities have been determined using an effective yield strength of 33 ksi.

NOTES:
1. All calculations for the properties of Rustic Trail Roof panels are calculated in accordance with the 2012 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.
2. Ixe is for deflection determination.
3. Sxe is for bending.
4. Maxo is allowable bending moment.
5. All values are for one foot of panel width.

PRODUCT INFORMATION

RUSTIC TRAIL ROOF PANEL
ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

22 Gauge (0.0286"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	103.53	58.24	37.27	25.88	19.02	14.56	11.50
	LIVE LOAD/DEFLECTION	103.53	51.24	26.23	15.18	9.56	6.40	4.50
2-span	NEGATIVE WIND LOAD	101.72	57.66	37.03	25.77	18.95	14.52	11.48
	LIVE LOAD/DEFLECTION	101.72	57.66	37.03	25.77	18.95	14.52	10.84
3-span	NEGATIVE WIND LOAD	126.19	71.76	46.16	32.15	23.66	18.13	14.34
	LIVE LOAD/DEFLECTION	126.19	71.76	46.16	28.65	18.04	12.09	8.49
4-span	NEGATIVE WIND LOAD	118.09	67.08	43.13	30.02	22.09	16.93	13.39
	LIVE LOAD/DEFLECTION	118.09	67.08	43.13	30.02	19.15	12.83	9.01

Notes:

1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/180 under strength-level loads.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
6. Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.
7. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
8. This material is subject to change without notice. Please contact ABC for most current data.

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PRODUCT INFORMATION

RUSTIC TRAIL WALL PANEL
ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

22 Gauge RUSTIC thickness (0.0256"), Fy = 33 ksi, Fu = 45 ksi								
SPAN TYPE	**LOAD TYPE**	SUPPORT SPACING						
		3 Ft.	4 Ft.	5 Ft.	6 Ft.	7 Ft.	8 Ft.	9 Ft.
1-span	**NEGATIVE WIND LOAD**	103.53	58.24	37.27	25.88	19.02	14.56	11.50
	LIVE LOAD/DEFLECTION	103.53	58.24	37.27	25.88	19.02	14.56	11.50
2-span	**NEGATIVE WIND LOAD**	101.72	57.66	37.03	25.77	18.95	14.52	11.48
	LIVE LOAD/DEFLECTION	101.72	57.66	37.03	25.77	18.95	14.52	11.48
3-span	**NEGATIVE WIND LOAD**	126.19	71.76	46.16	32.15	23.66	18.13	14.34
	LIVE LOAD/DEFLECTION	126.19	71.76	46.16	32.15	23.66	18.13	14.34
4-span	**NEGATIVE WIND LOAD**	118.09	67.08	43.13	30.02	22.09	16.93	13.39
	LIVE LOAD/DEFLECTION	118.09	67.08	43.13	30.02	22.09	16.93	13.39

Notes:

1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its supports. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/60 under strength-level loads.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
6. Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.
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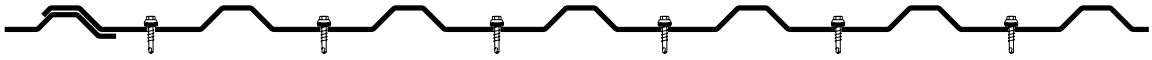
PRODUCT INFORMATION

PANEL FASTENER LOCATIONS
(Panel Ends)

PBR PANEL

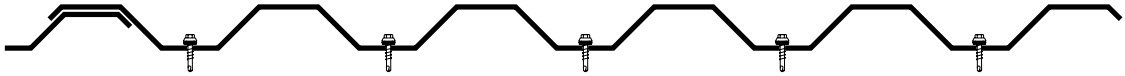


PBU PANEL

PBC PANEL - (WALL APPLICATION)

PBC PANEL - (ROOF APPLICATION)

PBD PANEL



7.2 PANEL

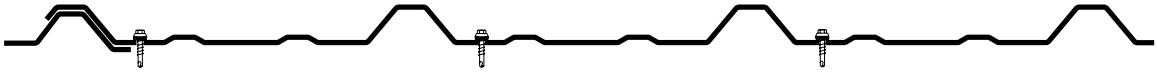
AVP PANEL

NOTES:

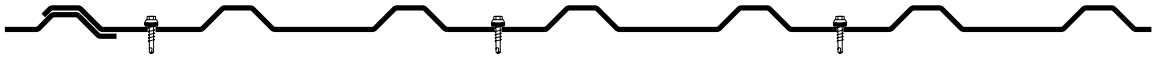
1. PBR, PBU, PBC, PBD and AVP have unsymmetrical purlin bearing side lap legs. (Panel Side lap with extended foot to bear on framing) However, where possible, the panel should be lapped against prevailing wind.
2. The above are typical fastener spacings. However, they may not be appropriate for all applications. Consult a professional engineer for use on any specific application.
3. Minimum ½" X 3⁄32" tape sealer required at panel side laps when used as roof panels. (Excludes PBC Panel)
4. Side lap fasteners are required. Typical spacing is 20" O.C. However, this spacing may not be appropriate for all applications. Consult a professional engineer for use on any specific application. (Excludes PBC Panel)

PRODUCT INFORMATION

PANEL FASTENER LOCATIONS
(Interior of Panel)



PBR PANEL

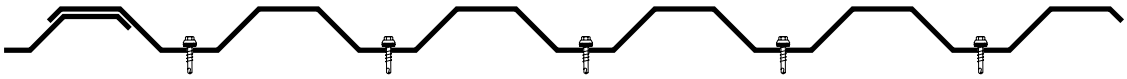


PBU PANEL

PBC PANEL - (WALL APPLICATION)

PBC PANEL - (ROOF APPLICATION)

PBD PANEL



7.2 PANEL

AVP PANEL

NOTES:

1. PBR, PBU, PBC, PBD and AVP have unsymmetrical purlin bearing side lap legs. (Panel Side lap with extended foot to bear on framing) However, where possible, the panel should be lapped against prevailing wind.
2. The above are typical fastener spacings. However, they may not be appropriate for all applications. Consult a professional engineer for use on any specific application.
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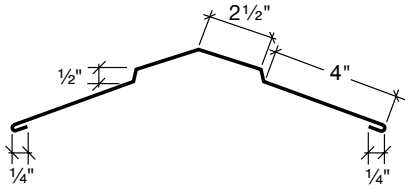
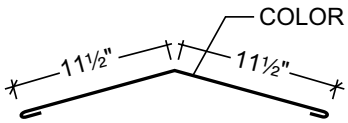
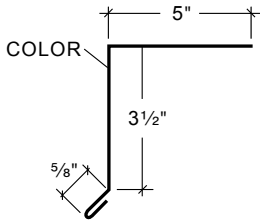
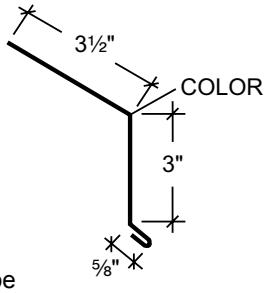
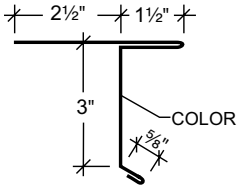
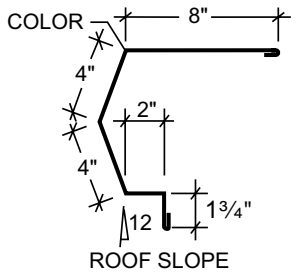
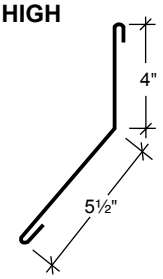
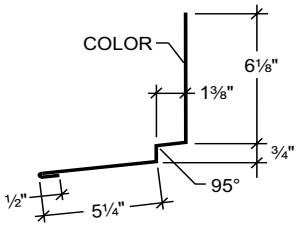
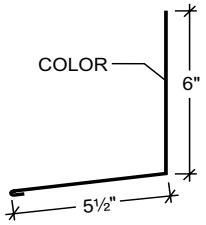
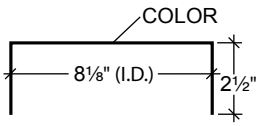
4. Side lap fasteners are required. Typical spacing is 20" O.C. However, this spacing may not be appropriate for all applications. Consult a professional engineer for use on any specific application. (Excludes PBC Panel)

TRIM - UNIVERSAL (ALL PROFILES)

ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT	GAUGE
PLAIN RIDGE CAP  Specify roof slope	FL-600	10'-2"	14½"	9.71#	26 GA
FLAT RIDGE CAP  Specify roof slope	FL-38	10'-2"	24"	15.82#	26 GA
EAVE TRIM  Specify roof slope	FL-19	10' - 2"	9⅝"	6.35#	26 GA
EAVE TRIM  Specify roof slope	AG-246 AG-247	10' - 2" 20' - 2"	7⅝" 7⅝"	4.51# 9.02#	29 GA 29 GA
DRIP EDGE  Specify roof slope	AG-279	10' - 2"	9⅝"	6.18#	29 GA

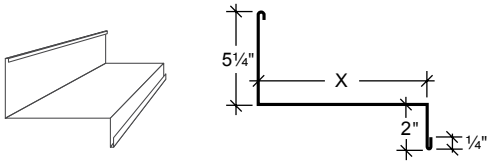
TRIM - UNIVERSAL (ALL PROFILES)

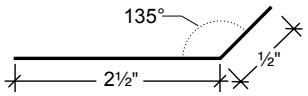
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT	GAUGE
SCULPTURED HIGH SIDE EAVE  Specify roof slope	FL-17 FL-17A	10'-2" 20'-2"	20¾" 20¾"	13.68# 27.14#	26 GA 26 GA
DENVER ENDWALL AND HIGH SIDE PARAPET TRIM  Specify roof slope	FL-555	10'-2"	10½"	7.80#	26 GA
PARAPET HIGH EAVE TRIM  Specify roof slope	FL-195	10'-0"	14"	9.80#	26 GA
PARAPET HIGH EAVE TRIM  Specify roof slope	FL-874 FL-875	10'-2" 20'-2"	12" 12"	7.91# 15.69#	26 GA 26 GA
JAMB OR HEAD CAP 	FL-37	10'-2"	13⅛"	8.65#	26 GA

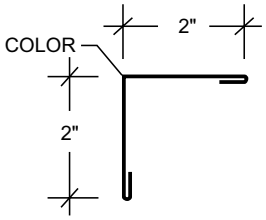
AMERICAN BUILDING COMPONENTS

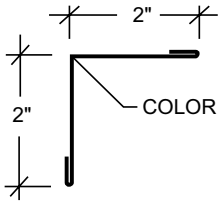
TRIM - UNIVERSAL (ALL PROFILES)

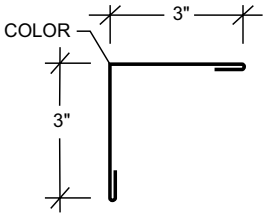
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT	GAUGE
CUSTOM SOFFIT (X=12")	FL-607	10'-2"	20"	15.50#	26 GA
(X=14")	FL-607A	10'-2"	22"	17.00#	26 GA
(X=16")	FL-607B	10'-2"	24"	18.60#	26 GA
CONTINUOUS CLEAT	FL-338	10'-2"	3"	2.45#	26 GA
2 X 2 OUTSIDE ANGLE	FL-27	10'-2"	5"	3.60#	26 GA
2 X 2 INSIDE ANGLE	FL-28	10'-2"	5"	3.60#	26 GA
3 X 3 OUTSIDE ANGLE	FL-29	10'-2"	7"	4.70#	26 GA
3 X 3 INSIDE ANGLE	FL-30	10'-2"	7"	4.70#	26 GA

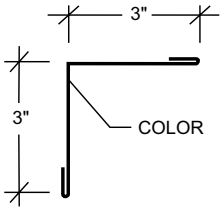




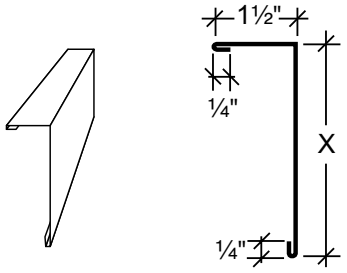
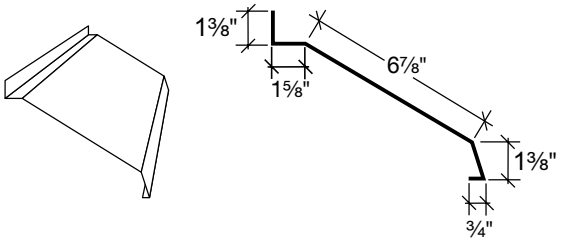
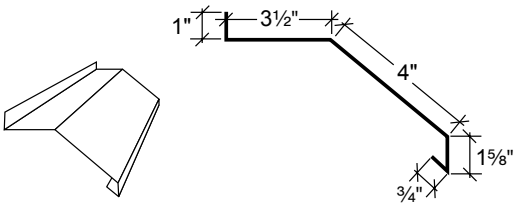
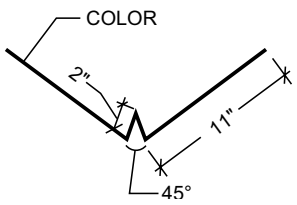






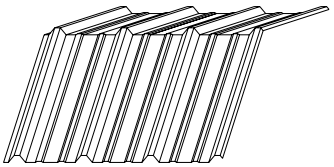
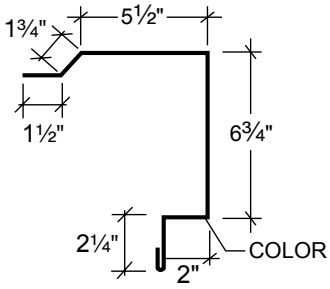
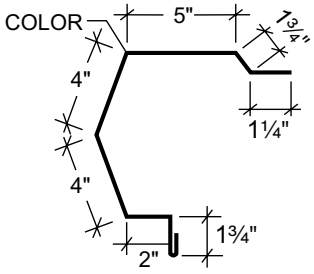
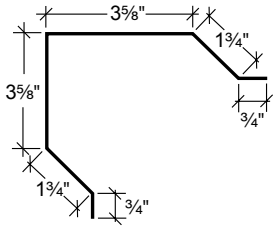
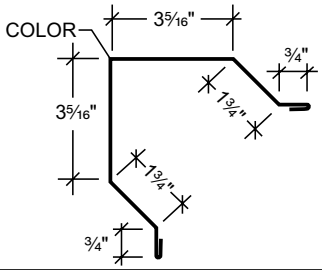


TRIM - UNIVERSAL (ALL PROFILES)

ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT	GAUGE
DOOR POST TRIM (X=5 1/2") (X=7 1/4") 	FL-612 FL-612A	10'-2" 10'-2"	7½" 9¼"	5.82# 7.18#	26 GA 26 GA
CANNONBALL TRACK COVER 	FL-615	10'-2"	12"	9.12#	26 GA
TOP MOUNT TRACK COVER 	FL-616	10'-2"	10⅜"	8.06#	26 GA
STANDARD VALLEY  Specify roof slope	FL-556	10'-2"	26"	17.87#	26 GA

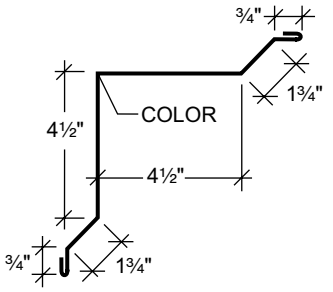
AMERICAN BUILDING COMPONENTS

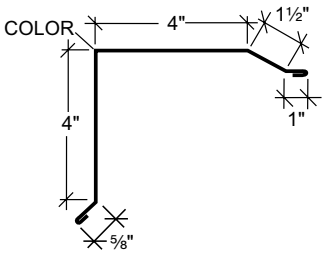
TRIM - PBR/AVP SPECIFIC

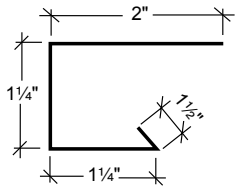
ITEM	PART NUMBER	DESCRIPTION	LENGTH	GIRTH	WEIGHT
DIE-FORMED RIDGE CAP 	FL-49		2'-6"		7.13#
	FL-51		3'-0"		8.55#
BOX RAKE TRIM (PBR PANEL) 	FL-13		10'-2"	20¼"	13.25#
	FL-13D		20'-2"	20¼"	26.48#
RAKE ENDS	FL-13A				
CORNER BOX (Specify roof slope)	FL-13B				
PEAK BOX (Specify roof slope)	FL-13C				
"PBR" SCULPTURED RAKE  Specify roof slope	FL-16	Rake Trim	10'-2"	20¼"	14.50#
	FL-16D	Rake Trim	20'-2"	20¼"	29.00#
	FL-16A	Rake Ends	N/A	N/A	.19#
	FL-16B	Peak Box	N/A	N/A	2.67#
"PBR" CORNER TRIM - OUTSIDE 	FL-11		10'-2"	1'-0¼"	8.50#
	FL-11A		12'-0"	1'-0¼"	10.25#
	FL-11B		14'-0"	1'-0¼"	11.90#
"PBR" PANEL OUTSIDE CORNER 	FL-830		10'-2"	12⅝"	8.32#
	FL-831		12'-0"	12⅝"	9.83#
	FL-832		14'-0"	12⅝"	11.46#
	FL-833		16'-0"	12⅝"	13.10#
	FL-834		18'-0"	12⅝"	14.74#
	FL-835		20'-2"	12⅝"	16.51#

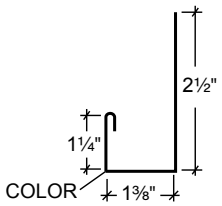
TRIM - PBR/AVP SPECIFIC

ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT
"PBR" PANEL INSIDE CORNER	FL-800	10'-2"	15"	9.89#
	FL-801	12'-0"	15"	11.67#
	FL-802	14'-0"	15"	13.62#
	FL-803	16'-0"	15"	15.57#
	FL-804	18'-0"	15"	17.51#
	FL-805	20'-2"	15"	19.62#
"PBR" GABLE TRIM	AG-248	10'-2"	12⅛"	7.98#
	AG-249	20'-2"	12⅛"	15.87#
"PBR" PANEL JAMB TRIM	FL-22	7'-3"	5"	2.35#
	FL-23	10'-2"	5"	3.30#
	FL-23B	12'-3"	5"	3.95#
	FL-23C	14'-2"	5"	4.59#
HEAD TRIM ("PBR" PANELS)	FL-24	3'-6"	5⅝"	1.25#
	FL-25	7'-1"	5⅝"	2.70#
	FL-26	10'-4"	5⅝"	3.80#
	FL-26B	12'-4"	5⅝"	4.65#
	FL-26C	14'-4"	5⅝"	5.41#



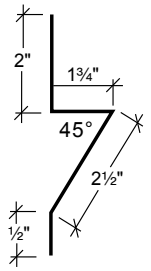
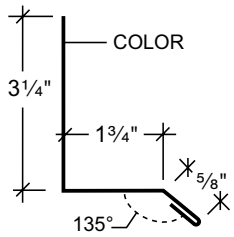
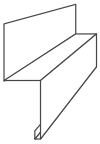
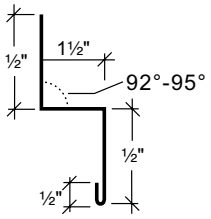
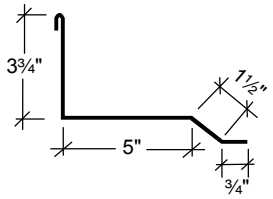
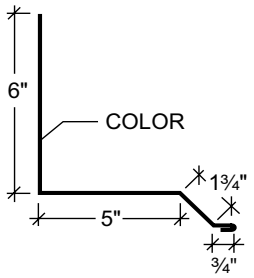




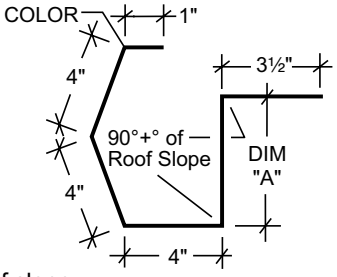
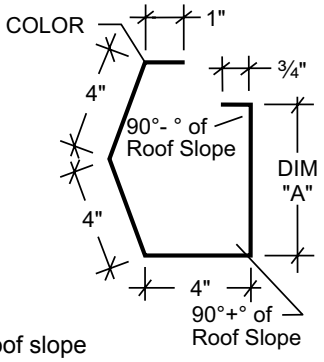
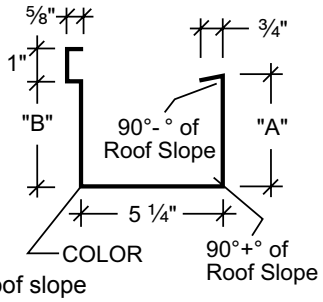
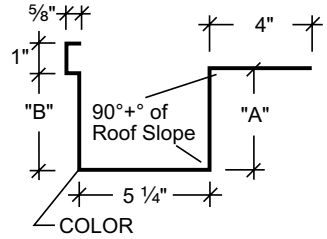
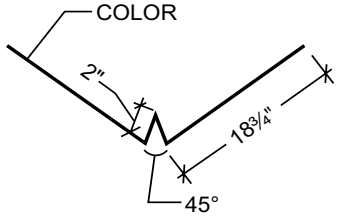


AMERICAN BUILDING COMPONENTS

TRIM - PBR/AVP SPECIFIC

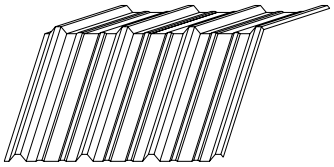
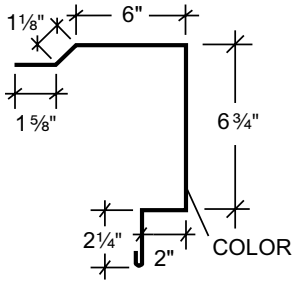
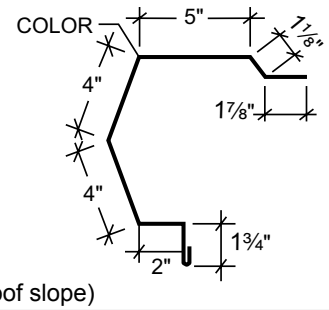
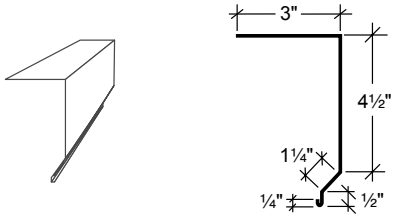
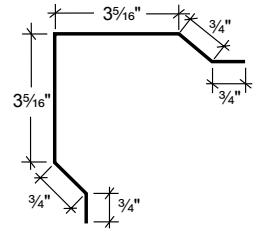
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT
"PBR" BASE TRIM 	FL-530	10'-2"	6¾"	4.45
BASE TRIM - ALL PANELS 	FL-72	10'-2"	6⅛"	3.81#
"PBR" STACK JOINT TRIM  	FL-613	10'-2"	4¾	3.30#
"PBR" PANEL TRANSITION 	FL-49A	10'-2"	11¾	8.50#
"PBR" PARAPET RAKE 	FL-952 FL-953	10'-2" 20'-2"	14" 14"	9.23# 19.60#

TRIM - PBR/AVP SPECIFIC

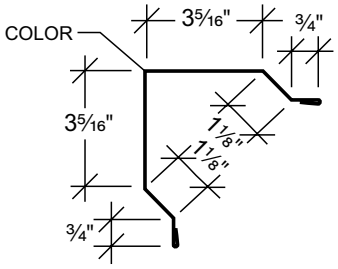
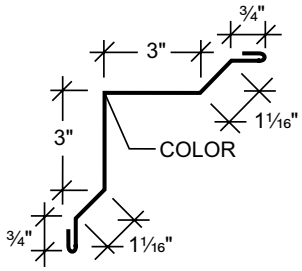
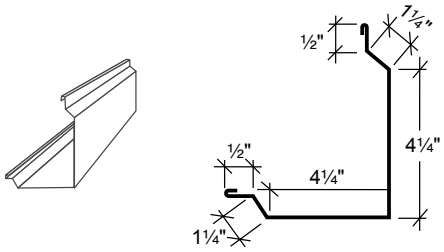
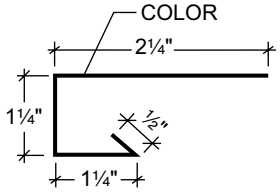
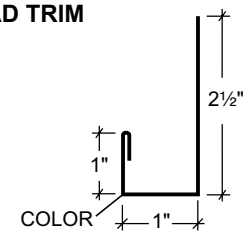
ITEM	PART NUMBER	DIM "A"	DIM "B"	LENGTH	GIRTH	ROOF SLOPE	WEIGHT
"PBR" SCULPTURED EAVE GUTTER	FL-18	6½"		10'-2"	23"	½ - 4:12	15.17#
	FL-18B	6½"		20'-2"	23"	½ - 4:12	35.40#
	FL-18H	7"		10'-2"	23½"	4⅛ - 6:12	17.88#
	FL-18J	7"		20'-2"	23½"	4⅛ - 6:12	35.47#
 Specify roof slope							
"PBR" SCULPTURED HANG-ON GUTTER	FL-18C	6½"		10'-2"	20¼"	½ - 4:12	14.50#
	FL-18D	6½"		20'-2"	20¼"	½ - 4:12	29.00#
	FL-18F	7"		10'-2"	20¾"	4⅛ - 6:12	15.41#
	FL-18G	7"		20'-2"	20¾"	4⅛ - 6:12	30.56#
 Specify roof slope							
"PBR" BOX HANG ON GUTTER	FL-74B	4¼"	4½"	10'-2"	17"	½ - 4:12	11.21#
	FL-74C	4¼"	4½"	20'-2"	17"	½ - 4:12	22.23#
	FL-74G	4⅝"	4½"	10'-2"	17⅜"	4 1/16 - 6:12	11.46#
	FL-74H	4⅝"	4½"	20'-2"	17⅜"	4 1/16 - 6:12	22.27#
 Specify roof slope							
"PBR" BOX EAVE GUTTER	FL-14C	4¼"	4½"	10'-2"	20¼"	½ - 4:12	13.35#
	FL-14D	4¼"	4½"	20'-2"	20¼"	½ - 4:12	26.48#
	FL-14H	4⅝"	4½"	10'-2"	20⅝"	4⅛ - 6:12	13.60#
	FL-14J	4⅝"	4½"	20'-2"	20⅝"	4⅛ - 6:12	26.98#
 Specify roof slope							
"PBR" EXTENDED VALLEY	FL-558			10'-2"	41½"		27.85#
	FL-559			14'-0"	41½"		37.68#
							

AMERICAN BUILDING COMPONENTS

TRIM - PBU/PBC/PBD SPECIFIC

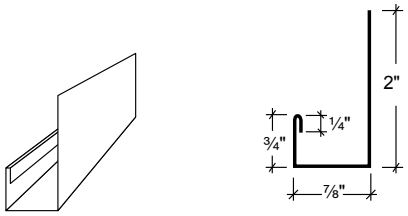
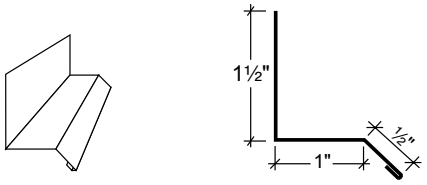
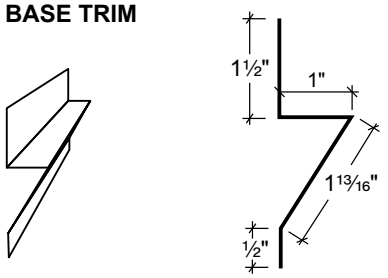
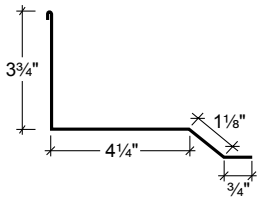
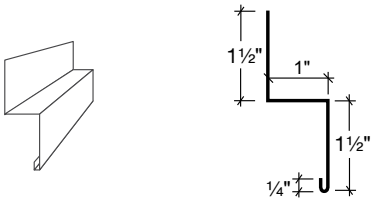
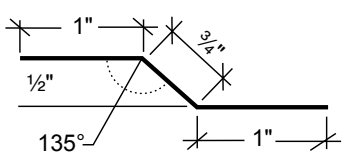
ITEM	PART NUMBER	DESCRIPTION	LENGTH	GIRTH	WEIGHT
"PBU" DIE-FORMED RIDGE CAP	FL-50		2'-6"		7.13#
	FL-52		3'-0"		8.55#
	Skidding charge of $42.00 will be added				
"PBU" BOX RAKE TRIM	FL-12		10'-2"	20¼"	13.25#
	FL-12D		20'-2"	20¼"	26.50#
RAKE ENDS	FL-12A				
CORNER BOX (Specify roof slope)	FL-12B				
PEAK BOX (Specify roof slope)	FL-12C				
"PBU" SCULPTURED RAKE	FL-15	Rake Trim	10'-2"	20¼"	14.50#
	FL-15D	Rake Trim	20'-2"	20¼"	29.00#
	FL-15A	Rake Ends	N/A	N/A	.19#
	FL-15C	Peak Box	N/A	N/A	2.67#
(Specify roof slope)					
SHINGLE RAKE TRIM	FL-606		10'-2"	9½"	7.57#
					
"PBU" CORNER TRIM - OUTSIDE	FL-10		10'-2"	9⅝"	7.50#
	FL-10A		12'-0"	9⅝"	9.00#
	FL-10B		14'-0"	9⅝"	10.50#

TRIM - PBU/PBC/PBD SPECIFIC

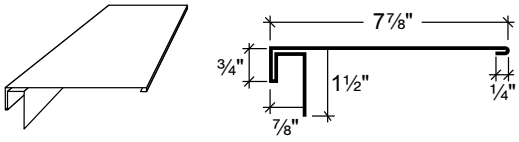
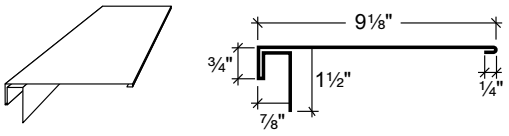
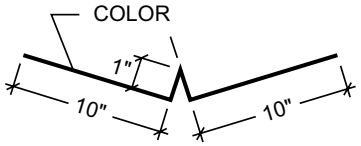
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT
"PBU" PANEL OUTSIDE CORNER 	FL-840 FL-841 FL-842 FL-843 FL-844 FL-845	10'-2" 12'-0" 14'-0" 16'-0" 18'-0" 20'-2"	11⅜" 11⅜" 11⅜" 11⅜" 11⅜" 11⅜"	7.50# 8.85# 10.33# 11.80# 13.28# 14.88#
"PBU" PANEL INSIDE CORNER 	FL-810 FL-811 FL-812 FL-813 FL-814 FL-815	10'-2" 12'-0" 14'-0" 16'-0" 18'-0" 20'-2"	10⅝" 10⅝" 10⅝" 10⅝" 10⅝" 10⅝"	7.01# 8.27# 9.65# 11.03# 12.40# 13.90#
CORNER TRIM 	FL-602 FL-602A FL-602B FL-602C	10'-2" 12'-6" 14'-6" 16'-0"	12½" 12½" 12½" 12½"	9.74# 11.67# 13.62# 15.56#
"PBU" PANEL JAMB TRIM 	FL-20 FL-21 FL-21B FL-21C	7'-3" 10'-2" 12'-3" 14-2"	5" 5" 5" 5"	2.35# 3.30# 3.95# 4.59#
"PBU" HEAD TRIM 	FL-514 FL-514A FL-514B	3'-6" 10'-4" 14'-4"	5" 5" 5"	1.20# 4.02# 5.77#

AMERICAN BUILDING COMPONENTS

TRIM - PBU/PBC/PBD SPECIFIC

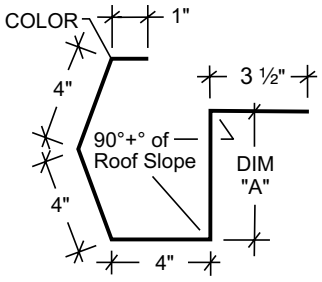
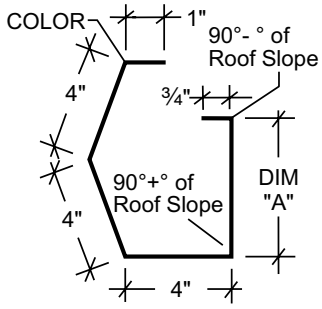
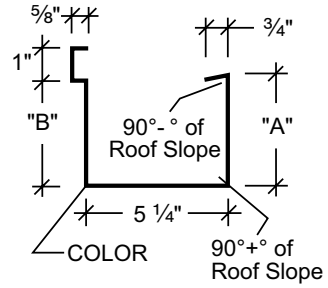
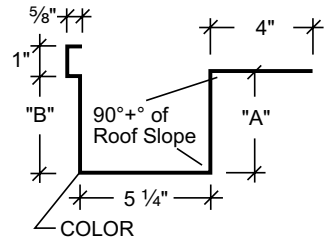
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT
J CHANNEL 	FL-611	10'-2"	3⅞"	3.30#
"PBU" WINDOW DRIP CAP 	FL-614	10'-2"	3¼"	2.32#
"PBU" BASE TRIM 	FL-601	10'-2"	4 13/16"	3.56#
"PBU" PANEL TRANSITION 	FL-50A	10'-2"	10⅜"	7.50#
Z FLASHING 	FL-610	10'-2"	4¼"	3.30#
Z CLOSURE 	AG-274	10'-2"	2¾"	1.78#

TRIM - PBU/PBC/PBD SPECIFIC

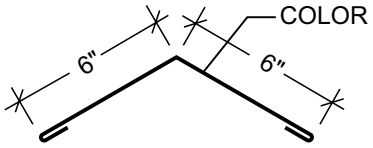
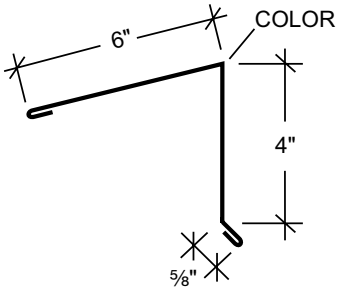
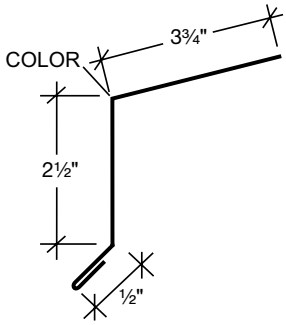
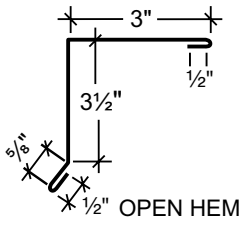
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT
OVERHEAD DOOR TRIM (7 7/8")	FL-617	10'-2"	12"	9.31#
				
OVERHEAD DOOR TRIM (9 1/8")	FL-617A	10'-2"	13¼"	9.94#
				
STANDARD VALLEY	AG-237 AG-238	10'-2" 20'-2"	22" 22"	14.16# 28.32#
				
Specify roof slope				
EXTENDED VALLEY	AG-239 AG-240	10'-2" 14'-0"	42¾" 42¾"	28.29# 56.58#
				
Specify roof slope				

AMERICAN BUILDING COMPONENTS

TRIM - PBU/PBC/PBD SPECIFIC

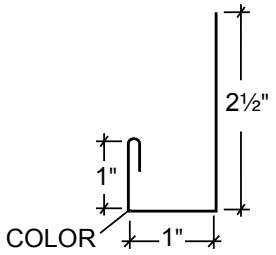
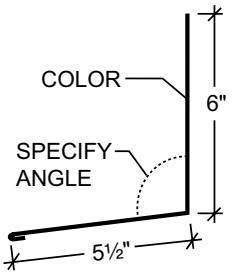
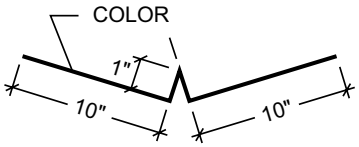
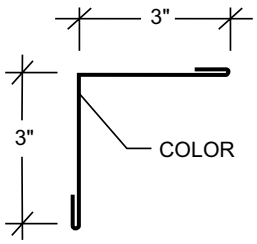
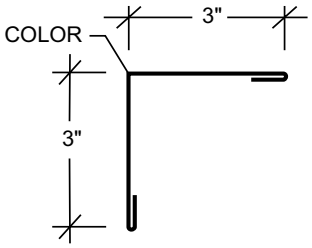
ITEM	PART NUMBER	DIM "A"	DIM "B"	LENGTH	GIRTH	ROOF SLOPE	WEIGHT
"PBU" SCULPTURED EAVE GUTTER	FL-512	7"		10'-2"	23½"	½ - 4:12	15.49#
	FL-512A	7"		20'-2"	23½"	½ - 4:12	35.40#
	FL-512E	7½"		10'-2"	24"	4⅛ - 6:12	18.26#
	FL-512F	7½"		20'-2"	24"	4⅛ - 6:12	36.23#
 Specify roof slope							
"PBU" SCULPTURED HANG-ON GUTTER	FL-512B	7"		10'-2"	20¾"	½ - 4:12	13.68#
	FL-512C	7"		20'-2"	20¾"	½ - 4:12	29.50#
	FL-512G	7½"		10'-2"	21¼"	4⅛ - 6:12	15.77#
	FL-512H	7½"		20'-2"	21¼"	4⅛ - 6:12	31.31#
 Specify roof slope							
"PBU" BOX HANG-ON GUTTER	FL-74	4½"	4¼"	10'-2"	17"	½ - 4:12	11.21#
	FL-74A	4½"	4¼"	20'-2"	17"	½ - 4:12	22.23#
	FL-74L	4¾"	4¼"	10'-2"	17¼"	4¹⁄₁₆ - 6:12	11.37#
	FL-74F	4¾"	4¼"	20'-2"	17¼"	4¹⁄₁₆ - 6:12	22.56#
 Specify roof slope							
"PBU" BOX EAVE GUTTER	FL-14	4½"	4¼"	10'-2"	20¼"	½ - 4:12	15.49#
	FL-14B	4½"	4¼"	20'-2"	20¼"	½ - 4:12	35.40#
	FL-14F	4¾"	4¼"	10'-2"	20½"	4⅛ - 6:12	18.26#
	FL-14G	4¾"	4¼"	20'-2"	20½"	4⅛ - 6:12	36.23#
 Specify roof slope							

TRIM - RUSTIC TRAIL SPECIFIC

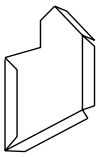
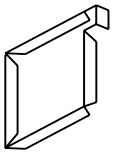
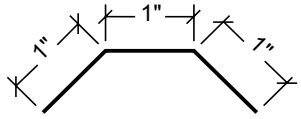
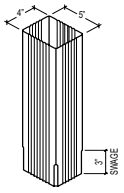
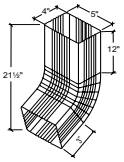
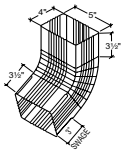
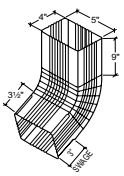
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT
RIDGE/HIP FLASH  Specify roof slope	AG-202 AG-203	10'-2" 20'-2"	13" 13"	8.37# 16.74#
PEAK TRIM  Specify roof slope	LG-103	10'-6"	29⅜"	11.02#
EAVE TRIM  Specify roof slope	CF-107	10'-6"	7"	7.60#
GABLE TRIM  	CF-301	10'-6"	8⅛"	4.44#

AMERICAN BUILDING COMPONENTS

TRIM - RUSTIC TRAIL SPECIFIC

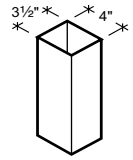
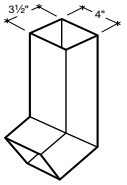
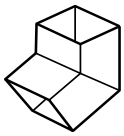
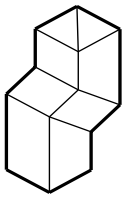
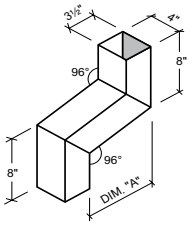
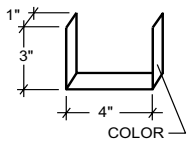
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT
J TRIM 	FL-514A	10'-4"	5"	4.02#
TRANSITION FOR ENDWALL/SIDEWALL  Specify roof slope	FL-874	10'-2"	12"	7.91#
STANDARD VALLEY  Specify roof slope	AG-237	10'-2"	22"	14.16#
3 X 3 INSIDE CORNER 	FL-30	10'-2"	7"	4.70#
3 X 3 OUTSIDE CORNER 	FL-29	10'-2"	7"	4.70#

ACCESSORIES

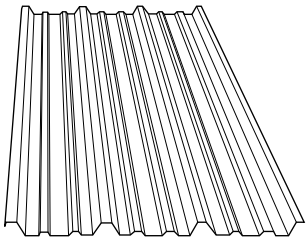
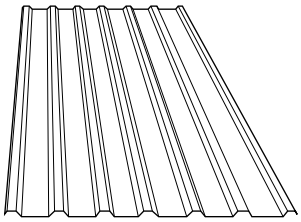
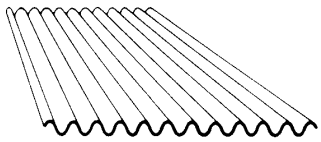
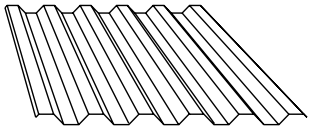
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT
GUTTER ENDS - SCULPTURED  Specify left or right	FL-18A			.32#
GUTTER ENDS  Specify left or right	FL-14A - (26 GA)			26#
GUTTER STRAP 	FL-893 - (26 GA) FL-893 - (24 GA)	1'-0" 1'-0"	3" 3"	.23# .23#
ROLL FORM DOWNSPOUT - STRAIGHT 	F-320 F-313	10'-6" 14'-6"	17⁹⁄₁₆" 17⁹⁄₁₆"	11.96# 16.52#
ROLL FORM 72° KICKOUT 	F-321	1'-4"	17⁹⁄₁₆"	1.99#
ROLL FORM 45° OFFSET 	F-322	11"	17⁹⁄₁₆"	1.14#
ROLL FORM 5° OFFSET 	F-323	1'-7½"	17⁹⁄₁₆"	2.37#

AMERICAN BUILDING COMPONENTS

ACCESSORIES

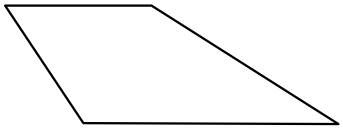
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT
DOWNSPOUT - STRAIGHT 	FL-31	10'-2"	16⅞"	11.12#
	FL-31C	12'-0"	16⅞"	13.13#
	FL-31B	14'-0"	16⅞"	15.32#
	FL-31J	16'-0"	16⅞"	17.51#
	FL-31H	20'-2"	16⅞"	22.07#
DOWNSPOUT WITH 45° ELBOW 	FL-31A	10'-2"	16⅞"	11.12#
	FL-31D	12'-0"	16⅞"	13.13#
	FL-31E	14'-0"	16⅞"	15.32#
	FL-31I	16'-0"	16⅞"	17.51#
	FL-31G	20'-2"	16⅞"	22.07#
DOWNSPOUT ELBOW 	FL-32	1'-2½"	16⅞"	1.32#
	FL-33	1'-2"	16⅞"	1.28#
DOWNSPOUT OFFSET 	FL-35	1'-2½"	16⅞"	1.32#
OFFSET DOWNSPOUT 	FL-788	6" - 5'-0"	16¾"	.52#
	FL-789	5'-1" - 10'-0"	16¾"	.52#
DOWNSPOUT STRAP 	FL-797 (26 GA)	1"	10"	.07#
	FL-797 (24 GA)	1"	10"	.07#

ACCESSORIES

ITEM	PART NO.	LENGTH	COLOR	TYPE	SQ. FT. WEIGHT	PIECE WEIGHT
"PBR" LIGHT TRANSMITTING PANEL* 	**High Strength Fiberglass**					
	HW-1509	10'-8"	White	1	8 oz.	16.89#
	High Strength - U.V. Resistant					
	HW-1432	10'-8"	White	1	8 oz.	16.89#
	HW-1434	11'-0"	White	1	8 oz.	17.42#
	HW-1436	12'-0"	White	1	8 oz.	19.00#
	HW-1520	10'-6"	Polycaronate			
"PBU" LIGHT TRANSMITTING PANEL* 	**High Strength Fiberglass**					
	HW-1542	10'-8"	White	1	8 oz.	16.89#
	High Strength - U.V. Resistant					
	HW-1428	10'-8"	White	1	8 oz.	16.89#
	HW-1440	12'-0"	White	1	8 oz.	19.00#
"PBC" LIGHT TRANSMITTING PANEL 	**High Strength Fiberglass**					
	HW-1645	12'-0"	White	1	8 oz	19.00#
7.2 LIGHT TRANSMITTING PANEL 	**High Strength Fiberglass**					
	HW-1528	12'0"	White	1	8 oz	19.00#

CAUTION

***It is the user's responsibility to ensure that the installation and use of all light transmitting panels comply with State, Federal and OSHA regulations and laws, including, but not limited to, guarding all light transmitting panels with screens, fixed standard railings, or other acceptable safety controls that prevent fall-through.**

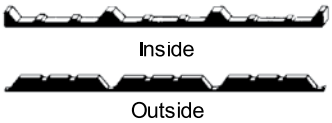
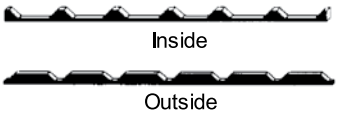
ITEM	GENERAL.	GAUGE	COLOR	WEIGHT PER LF
FLAT SHEETS 	42 3/4" x 126"	26 GA	Galvanized	2.77#
			Galvalume Plus & Color	2.64#
	48 3/8" x 126"	24 GA	Galvalume Plus & Color	3.75#
	Skidding charge of $42.00 will be added			

ACCESSORIES

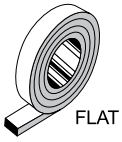
FLAT SHEET SELECTION CHART

	26 GA - 42-3/4"	24 GA - 48"-3/8"
SIGNATURE® 200		
Hawaiian Blue	●	●
Crimson Red	●	●
Fern Green	●	●
Burnished Slate	●	●
KoKo Brown	●	●
Charcoal Gray	●	●
Ash Gray	●	●
Saddle Tan	●	●
Desert Sand	●	
Polar White	●	●
Rustic Red	●	●
Light Stone	●	●
Solar White	●	●
Cobalt Blue	●	
SIGNATURE® 300		
Medium Bronze	●	●
Snow White	●	●
Slate Gray	●	●
Almond	●	●
Classic Green	●	●
Brownstone		●
Brite Red		●
Harbor Blue		●
Bone White		●
OTHER		
Galvalume Plus®	●	●
Galvanized	●	

ACCESSORIES

ITEM	PART NO.	TYPE	ADHESIVE	SIZE	CARTON SIZE	CARTON WEIGHT
"PBR" PANEL CLOSURE STRIP  Inside Outside	HW-455	Inside	No	1" X 36"	100	4.09#
	HW-456	Outside	Yes	1" X 36"	100	8.32#
"PBU" PANEL CLOSURE STRIP  Inside Outside	HW-459	Inside	No	1" X 36"	100	4.05#
	HW-460	Outside	Yes	1" X 36"	100	6.27#
"PBC" PANEL CLOSURE  Inside or Outside	HW-462	Inside/Outside	Yes	1" X 32"	100	5.03#
"PBD" PANEL CLOSURE  Inside or Outside	HW-463	Inside/Outside	Yes	1" x 32"	100	3.95#
7.2 PANEL CLOSURE  Inside or Outside	HW-461	Inside/outside	No	1" x 36"	100	6.73#

TAPE SEALER



GENERAL	PART NO.	LENGTH	CARTON SIZE	ROLL WEIGHT
1/2" X 3/32"	HW-507	50' - 0"	20	1.60 #
1" X 1/8"	HW-506	40' - 0"	12	3.33 #
1 5/8" X 1/8"	HW-509	30' - 0"	10	4.10 #

TRIPLE BEAD SEALER

GENERAL	PART NO.	LENGTH	CARTON SIZE	CARTON WEIGHT
2 1/2" X 3/16"	HW-502	20' - 0"	6	23.00 #

SOLD IN FULL CARTONS ONLY

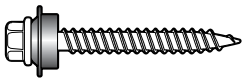
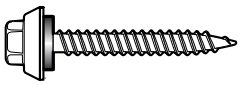
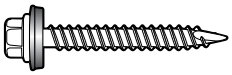
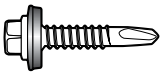
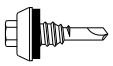
TRI-BEAD SEALER

7/8" X 3/16"	HW-504	25' - 0"	8	20.00 #

SOLD IN FULL CARTONS ONLY

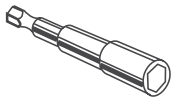
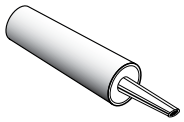
AMERICAN BUILDING COMPONENTS

ACCESSORIES

ITEM	PART NUMBER	SIZE	WEIGHT
WOOD FASTENER  Head size 1/4"	8A 8 8B 8C	10 X 1" 10 X 1 1/2" 10 X 2" 10 X 2 1/2" OTHER SIZES AVAILABLE Please inquire.	2.18 # 2.70 # 3.28 # 3.85 # 250 Per Bag
LONG LIFE WOOD FASTENER  Head size 5/16" (Panel To Solid Wood)	9A 9	10 X 1" 10 X 1 1/2" OTHER SIZES AVAILABLE Please inquire.	3.55 # 4.58 # 250 Per Bag
STAINLESS STEEL WOOD FASTENER  Head size 5/16" (Bi-Metal Fastener)	216 217 218 219	10 X 1" 10 X 1 1/2" 10 X 2" 10 X 2 1/2"	2.33 # 2.83 # 3.33 # 3.58 # 100 Per Bag
SELF-DRILLER  Head size 5/16"	17A	12 X 1 1/4" Panel To Metal	3.8 # 250 Per Bag
SELF-DRILLER LAP-TEK Paint Setup Charges Apply  Head Size 5/16"	4A	14 X 7/8" Panel To Metal	4.00 # 250 Per Bag
SELF TAPPING Special Order UPS Charges apply  Head Size 3/8" (Panel to Plywood)	18 18B	14 x 1" 14 x 1 1/2" Pre-Drill Holes	4.13 # 5.15 # 250 Per Bag
POP RIVET  (Stainless Steel)	14	1/8" x 3/16"	.73 # 250 Per Bag
PANCAKE HEAD  #2 Phillips - Wood Grip	13	10 X 1" Panel to Plywood	1.78 # 250 Per Bag
LONG LIFE LAP TEK  Head Size 5/16"	4	14 x 7/8"	5.43 # 250 Per Bag

American Building Components recommends a #14 x 1"; Type “A”, hex head fastener with washer for all exposed fastener panels applied over a plywood or OSB substrate. The use of a #9 or #10 “wood grip” type fastener into plywood or OSB substrates is not recommended. This refers to exposed fastener panels installed over solid decks only. Open purlin construction, such as 2 x 4's on 24" center, should be fastened with #9 or #10 “wood grip” type fasteners.

ACCESSORIES

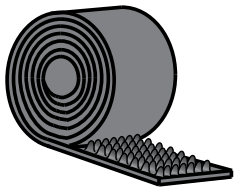
ITEM	PART NUMBER	GENERAL
TOUCH UP PAINT - Brush Top Can *Std. Colors (Recommended for minor scratch cover only.) 	HW-304	2 oz. can
ONE PIECE MAGNETIC SOCKET 	HW-605 HW-606	5/16" 1/4"
URETHANE CAULK 	HW-540 HW-541 HW-542 HW-544	Color: White Color: Gray Color: Bronze Color: Almond

ITEM	PART NUMBER	GENERAL	LENGTH
PROFILE VENT 	HW-116R HW-116U HW-116C	PBR PBU PBC	100' ROLL 100' ROLL 100' ROLL
			*Two 50' Rolls per Pkg

PROFILE VENT ANCHOR CLIP

PART NUMBER	GENERAL	CARTON SIZE	WEIGHT
HW-2076	PBR	25	.045 #
HW-2075	PBU	25	.045 #

VERSA VENT

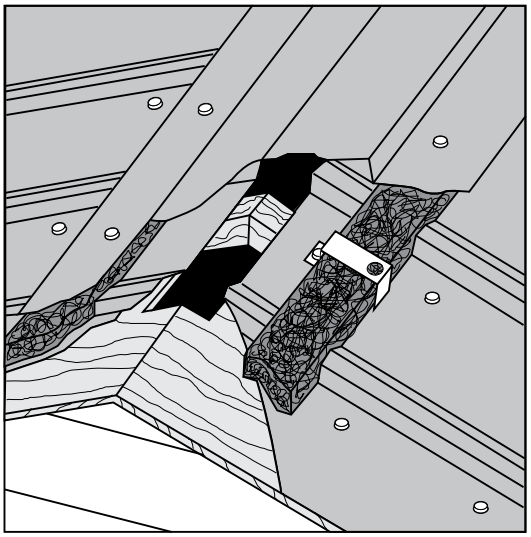


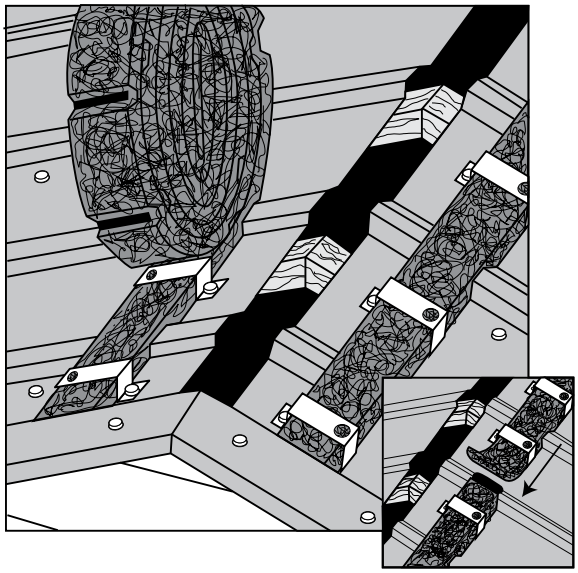
PART NUMBER	GENERAL	LENGTH	CARTON SIZE
HW-111	1" Thickness	10'-0"	10
HW-112	1 1/4" Thickness	10'-0"	10

AMERICAN BUILDING COMPONENTS

PRODUCT INFORMATION

PROFILE VENT





NEW OR RE-ROOF ON PURLIN OR WOOD DECK CONSTRUCTION

Use a 2" opening at the ridge to provide ventilation. On new or re-roof wood deck construction cut a 2" slot at the ridge (1" each side, start cut 6" from gable ends). On purlin construction position panels to leave a 2" opening.

IMPORTANT NOTE: This ventilation system is not guaranteed to be weather proof under all conditions. Many factors affect the weather tightness of this or any ventilator apparatus. ABC recommends consulting a qualified architect, design engineer, or HVAC professional for your particular application.

TECHNICAL DATA

Passed	Net Free Area	1" nom. thickness	8.5 sq. in. per lin. ft. per slope
			(17 sq. in. per lin. fit. ridge)
Passed	Air Permeability	ASTM D737	>>760 cu. ft. per minute
Passed	Self-ignition Temp.	ASTM D1929	963°F
Passed	Cold Crack	Loren C115	Resistance to >-25°F
Passed	Snow Infiltration	CRL 5704	-0-
Passed	Tear Strength	ASTM D1294-86	Tear: Machine 25 p.p.i.
			Counter 25 p.p.i.
Passed	Tensile Strength	ASTM D2261-83	Tear: Machine 25 p.p.i.
			Counter 25 p.p.i.
Passed	Attic Dust Test	ASTM D1739-98	No Clogging, will not hold dust
Passed	Dust Exposure Test	ICBO AC132	
Passed	Loren	Compression	13%
		Recovery	100%
Passed	UV Stable	Chamber Test	No change to cover or materials
Passed	Abrasion Test	ASTM D1175	No damage to panel surface
Passed	100 MPH Wind Driven Rain Test		

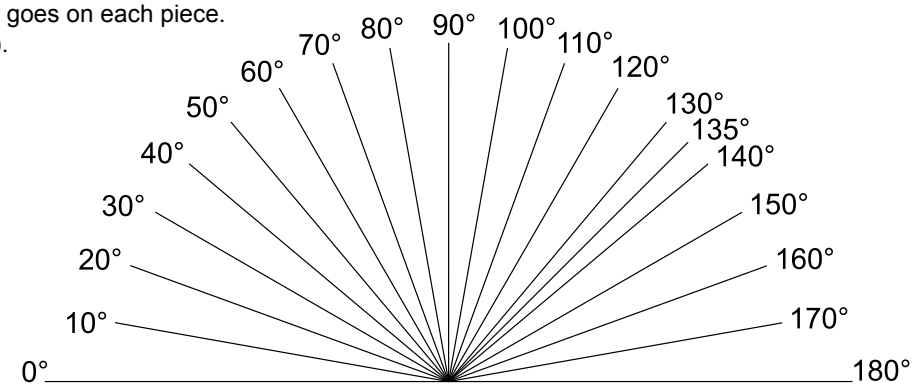
NOTE 1: When ordering profile vent for panels that are striated use HW-116SL12 for SL-12® or HW-116SL16 for SL-16®.
NOTE 2: Use appropriate length fasteners to affix Ridge Cap through Profile Vent into Deck. Use Tri-Bead Tape Sealer at Profile Vent/Deck interface. DO NOT USE POP RIVETS.

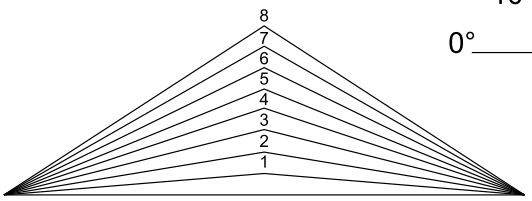
PRODUCT INFORMATION

HOW TO ORDER SPECIAL FLASHING

NOTE:

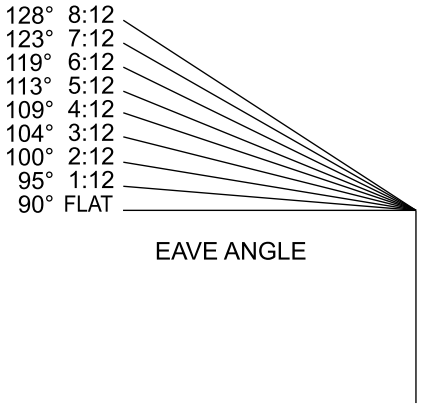
1. Always indicate the dimension of each segment.
2. Always put in degrees of each angle.
3. Always use degrees on inside angle from line to line (never use angle to a non-existing line).
4. Always show where color goes on each piece.
5. Calculate girth (flat width).





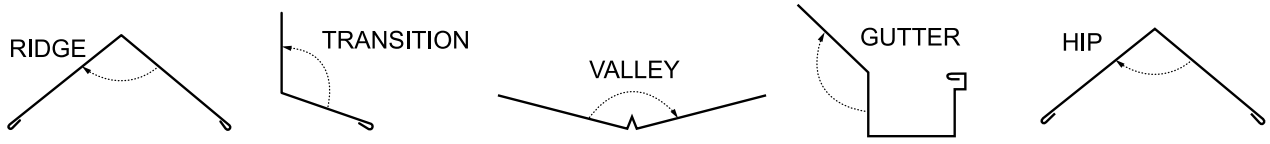
RIDGE ANGLE

1:12 = 170°
2:12 = 161°
3:12 = 152°
4:12 = 143°
5:12 = 135°
6:12 = 127°



EAVE ANGLE

ANGLE CHART FOR HIP, VALLEY, RIDGE, GUTTER and PITCH BREAK TRIM



	ROOF SLOPE											
	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
HIP AND VALLEY	173°	166°	160°	154°	148°	143°	138°	133°	129°	126°	123°	120°
RIDGE	170°	161°	152°	143°	135°	127°	120°	113°	106°	100°	195°	90°
GUTTER AND PITCH BREAK	94°	99°	140°	108°	112°	116°	120°	123°	126°	129°	132°	135°

Commercial/Industrial

AMERICAN BUILDING COMPONENTS

TERMS AND CONDITIONS OF SALE

1. Parties - All references to "ABC" or "Seller" refer to American Building Components, an unincorporated division of NCI Group, Inc. ABC and Buyer may sometimes collectively be referred to herein as the "parties."

2. Binding Effect - The following terms and conditions (the "Terms and Conditions") shall apply to any and all sales between ABC and the Buyer and shall not be waived, modified or amended without the express written consent of the ABC's President or Executive Vice-President. Any and all terms and/or conditions contained within any other purchase order, agreement or other document(s) issued by Buyer, whether conflicting with these Terms and Conditions hereof or not, shall be deemed null, void and of no force, effect or con-sequence. Any and all sales by ABC of any nature to Buyer shall be made under the provisions of this Agreement. Any document(s) that Buyer may use for its convenience including, but not limited to, purchase orders or sales acknowledgement forms shall be deemed to be for the administrative convenience of Buyer only, and this Agreement as well as the terms and conditions as stated in ABC's invoices and bills of lading shall supersede and take precedence over any of Buyer's terms and conditions which may be contained on any such forms. Further, should ABC act upon this Agreement without first obtaining Buyer's signature on a Purchase Order, Buyer hereby irrevocably agrees to be bound by this Agreement to the exclusion of any contrary terms and conditions proposed by Buyer. All orders are subject to final approval and written acceptance by ABC.

3. Payments - Payments due ABC under the terms of this sale and any other money due ABC by Buyer shall be paid to ABC at its Houston, Harris County, Texas office. Unless otherwise agreed in advance and in writing by ABC's Credit Department, payment for the materials and/or services under this Agreement shall be COD. Any and all different credit terms must be pre-approved in writing by ABC's Credit Department. If ABC grants Buyer credit terms, invoices paid ABC by Buyer within ten (10) days of date of invoice may, in ABC's sole discretion and judgment, be allowed ½% discount, net due thirty (30) days from date of invoice. C.O.D. shipments paid at the time of shipment are not allowed any discount. In the event ABC grants Buyer credit terms, said credit terms are subject to change at any time, for any reason, at the sole discretion of ABC without prior written notice to Buyer. Unless specifically enumerated herein, the price does not include any taxes (including excise, privilege, occupation, use, sales, etc.; Federal, State or local) or costs of ship-ment. All materials sold hereunder are sold F.O.B. ABC's plants. ABC reserves the right to approve or disapprove the carrier on any and all C.O.D. shipments.

4. Lien/Release - Buyer agrees that all payments with lien release language on the back of any check or other legal tender shall be sent only to ABC at its Houston, Harris County, Texas office. Buyer agrees that any payment(s) accepted through ABC's lock box with lien release language on the check does not bind ABC to the attempted release. ABC's agent(s) at the lock box who endorses and/or accepts checks for ABC is authorized only to accept unconditional payments, and no action by such agent(s) shall ever give rise to a claim of any alleged authority, apparent or otherwise, beyond that described in this paragraph. Acceptance of any conditional check, including any lien release language or otherwise at the lock box shall only be a partial release for those funds received, and never otherwise. This paragraph cannot be waived or modified except in writing in advance by the President of ABC.

5. Interest/Costs of Collection - Any and all payment(s) deferred after the due date as specified shall bear interest at the greater of the rate of ten percent (10%) per annum or a rate equal to the maximum non-usurious rate under applicable law. If an invoice becomes past due, is placed in the hands of an attorney for collection, if collected by any legal proceeding(s), or if this Agreement is relevant to any other dispute(s) between the parties, in addition to any other amount(s) and damage(s) recovered by ABC, Buyer agrees to pay ABC any and all attorneys' fees and costs incurred in any such dispute(s) and/or proceeding(s), together with interest, expenses, costs and any other charges, which attorneys' fees shall not be less than thirty percent (30%) of the total amount payable. "Costs incurred in the collection of sums" as used herein is not to be limited to costs incurred in litigation, but includes, without limitation, copying and mailing expenses, lien fees, lost management time, inspection expenses and expert witnesses expenses in addition to taxable costs incurred in litigation.

6. Security Interest - Buyer has and does by these presents grant to ABC and ABC has and does hereby retain a security interest in all materials, parts and accessories (as well as all finished goods and/or the proceeds from the sale thereof) described in and being purchased by Buyer pursuant to this Agreement. In addition, Buyer has and does by these presents grant to ABC and ABC has and does hereby retain a security interest in all existing or subsequently arising accounts, accounts receivable and supporting obligations which may from time to time hereafter come into existence during the term of this security interest as a result of Buyer's sale of any of the said materials, parts, accessories or finished goods thereof to any third party. The security interest herein granted by Buyer and retained by ABC is to secure payment of the full purchase price and all other charges due and owing ABC by Buyer under the terms of this sale. This Agreement is governed by Section 2.101, et. seq. of the Texas Business & Commerce Code, and the security interest hereunder constitutes a "purchase money security interest" pursuant to the Uniform Commercial Code. This instrument is a contract, security agreement and financing statement between the parties hereto.

7. Authorization for Credit History - The Buyer or undersigned individual, who is either the credit applicant or a principal/agent of the Buyer, recognizes that a credit history report may be a factor in the evaluation of the credit history of the Buyer. Buyer, therefore, irrevocably consents to and authorizes the use of a commercial, consumer or any other credit report on or pertaining to the Buyer or undersigned individual(s) by ABC or its agents from time to time as may be needed in the credit evaluation process.

8. Setoff/Recoupment - In addition to any right of setoff or recoupment permitted by law, ABC shall have the right at any time to setoff or recoup any amount due and owing from Buyer to ABC or any of ABC's subsidiaries, divisions, or affiliates against any amount due and owing from ABC or any of its affiliates, divisions, or subsidiaries to Buyer.

9. Buyer Responsible for Accuracy of Order/Delivery - Buyer hereby assumes sole and complete responsibility for the accuracy of any and all verbal orders unless written confirmation is received prior to fabrication. Confirming orders should be marked "Confirming Order-Do Not Duplicate." Buyer may arrange for pickup of order(s) at ABC's plant or shipment will be made by common carrier - "Freight Collect" - unless other arrangements are previously made and agreed to by the parties in writing.

10. Cancellation - In the event of cancellation, Buyer agrees to pay ABC for any and all fees, expenses, costs and damages occasioned by the cancellation hereof.

11. Manufacturer's Warranties/Disclaimers - Upon receipt of payment in full, ABC warrants its workmanship only against failure due to defective material or workmanship for a period of one (1) year from date of manufacture. In any event, however, Buyer's sole and exclusive remedy shall be limited to, in ABC's sole discretion and judgment, the replacement of defective part(s), F.O.B. ABC's plant or repair of defective part(s). Transportation, redesign, dismantling, disposal of material and installation are not included and shall be borne and paid for by Buyer). Any such replacement or repair shall not include any materials not sold by ABC hereunder, and specifically excludes any obligation by ABC related to other property of the Buyer or any property of third parties. UNDER NO CIRCUM-STANCES SHALL ABC BE RESPONSIBLE FOR OR LIABLE TO BUYER, OWNER(S) OR ANY OTHER THIRD PARTY, IN ANY RESPECT FOR, AND ABC HEREBY EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES OR REPRESENTATIONS PERTAINING TO, PRESENT OR FUTURE WATER LEAKS OR MOISTURE INTRUSION(S), DAMAGE(S) TO THE BUILDING(S), OR ANY COMPONENTS OR CONTENTS THEREOF, OR ANY INTERIOR SPACE(S) OR PROPERTY THEREIN, INCLUD-ING CLAIMS PERTAINING TO MOLD, MILDEW OR FUNGI, OR INTERUPTION IN THE USE OF THE BUILDING(S) OR PERSONAL INJURY OR PROPERTY DAMAGE CLAIMS RESULTING FROM THE ALLEGED EXISTENCE OR GROWTH OF MOLD, MILDEW AND/OR FUNGI. As a condition precedent to the effectiveness of any warranty coverage provided herein, all amounts due and owing to ABC under this or any other agreement with ABC or ABC's affiliates, whether disputed or not by Buyer, must be fully paid. ABC'S SOLE LIABILITY, IF ANY, TO BUYER SHALL BE STRICTLY LIMITED TO THE WRITTEN EXPRESS WARRANTIES SPECIFIED HEREIN, AND BUYER AGREES AND STIPULATES THAT ABC SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, LIQUIDATED, EXEMPLARY OR PUNITIVE DAMAGES, WHICH BUYER MAY ALLEGEDLY SUFFER FOR ANY REASON, INCLUDING REASONS ATTRIBUTABLE TO ABC. ABC DOES NOT WARRANT ANY PRODUCTS OR MATERIALS THAT ARE NOT MANUFACTURED BY ABC EXCEPT TO THE EXTENT OF A WARRANTY THAT ABC MAY ACTUALLY PASS THROUGH OR ASSIGN FROM A MANUFACTURER. EXCEPT AS STATED ABOVE, ABC HEREBY EXPRESSLY DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND THE PARTIES HERETO HEREBY STIPULATE THAT ALL SUCH WARRANTIES ARE HEREBY DISCLAIMED. Buyer agrees and stipulates that in any action or claim brought by Buyer or any third party or in any action or claim brought against Buyer involving the provisions of this section, Buyer hereby waives any claim or defense that the above covenants are unenforceable, void or voidable, for any reason, including, but not limited to, fraud, misrepresentation, illegality, unenforceable restraint of trade, failure of consideration, illusory con-tract, mistake, or any other substantive legal defense. Buyer acknowledges, agrees and stipulates that oilcanning of materials shall not be a cause of rejection of materials. Claims for shortages or defective materials must be made to ABC in writing within five (5) days after delivery of shipment (which the Parties agree and stipulate is a reasonable time), or any and all such claim(s) shall be conclusively waived and released by Buyer. Notwithstanding the foregoing, installation of materials shall unequivocally constitute irrevocable acceptance of said materials. FOR COMPLETE PERFORMANCE SPECIFICATIONS, PRODUCT LIMITATIONS AND DISCLAIMERS, PLEASE CONSULT ABC'S PAINT AND GALVALUME PLUS WARRANTIES. UPON RECEIPT OF PAYMENT IN FULL, THESE WARRANTIES ARE AVAILABLE UPON REQUEST FOR ALL PAINTED OR GALVALUME PLUS, PRIME PRODUCTS. Sample copies can be found at www.abcmetalroofing.com or contact your local ABC Sales Representative.

12. No Incidental, Special or Consequential Damages - Notwithstanding any other agreement to the contrary, Buyer hereby agrees and stipulates that ABC shall not be liable for any incidental, special, compensatory, expectation, exemplary, punitive or consequential damages, which Buyer may suffer for any reason, including reasons attributable to ABC.

13. Acceptance of Change Orders - Buyer may submit a written request for change orders to ABC adding, deleting or altering the quantity, description or specifications of material ordered. ABC, upon receipt of a written request for change order, shall price the requested change(s) and send to Buyer a price quotation thereof. ABC shall be under no obligation to accept or perform a request for change order unless Buyer unconditionally accepts in writing, without alteration or adjustment, the change order at the prices and terms quoted by ABC.

14. Effect of Sale/Buyer's Delays - All products and materials sold hereunder to Buyer are final and cannot be returned to ABC for credit unless Buyer obtains prior written approval from ABC's authorized representative. If, at Buyer's request, the delivery of materials is delayed, then ABC shall invoice Buyer for the price of materials, which invoice shall be due in accordance with the terms of payment provided herein. Buyer shall reimburse ABC for the cost of storing materials if shipment is delayed by Buyer, and will assume sole and complete responsibility for any and all damages to the materials while in storage, including but not limited to damages caused by deterioration. A 25% restocking fee shall be charged on all returned materials if approved by ABC.

15. Force Majeure - ABC shall not be liable to Buyer for liquidated damages, back charges or loss of use to Buyer arising out of any delay or any other reason in carrying out this Agreement. Under no circumstances shall ABC be liable in any way to Buyer, building owner or any other party for water intrusion or the existence of moisture occurring prior to delivery of ABC's material or existing thereafter or any possible effects resulting therefrom (including fungi, mold or mildew), delays, failure in performance, or loss or damage due to force majeure conditions including, without limitation: fire; flood; epidemics; quarantine; lightening; strike; embargo; explosion; power surge or failure; acts of God; war; labor or employment disputes; civil disturbances; acts of civil or military authority; inability to secure materials, fuel, products or transportation facilities; acts or omissions of suppliers; or any other causes beyond ABC's control, whether or not similar or relating to the foregoing. FURTHER, BUYER HEREBY AGREES AND STIPULATES THAT, IN THE EVENT ABC RECEIVES NOTIFICATION OF A PRICE INCREASE(S) FROM ANY OF ITS SUPPLIERS BETWEEN THE DATE OF THIS AGREEMENT AND THE DATE SCHEDULED FOR DELIVERY OF THE MATERIALS COVERED HEREBY, ABC RESERVES THE RIGHT, IN ITS SOLE DISCRETION AND JUDGMENT, TO INCREASE THE PURCHASE PRICE STATED HEREIN IN AN AMOUNT CORRESPONDING TO SAID PRICE INCREASE(S). Buyer agrees these limitations of ABC's liability are reasonable. Buyer further agrees that these limitations of ABC's liability are material parts of the consideration for this Agreement and is reflected in the amounts charged by ABC hereunder. Buyer intends that these limitations on ABC's liability are to be liberally construed in favor of ABC to eliminate any other liability of ABC other than repair or replacement of defective parts or products.

16. Jurisdiction/Venue/Waiver of Trial by Jury - Buyer hereby acknowledges, stipulates and agrees that (i) any and all claims, actions, proceedings or causes of action relating to the validity, performance, interpretation, and/or enforcement hereof shall be submitted exclusively to a court of competent jurisdiction in Houston, Harris County, Texas, (ii) to the maximum extent practicable, this Agreement will be deemed to call for performance in Houston, Harris County, Texas, (iii) Buyer irrevocably submits itself to the exclusive jurisdiction of the State and Federal courts in Houston, Harris County, Texas, (iv) service of process may be made upon it in any legal proceeding in connection with this Agreement or any other agreement as provided by Texas law, (v) Buyer irrevocably waives, to the fullest extent permitted by law, any objection that it may now or hereafter have to the laying of exclusive venue of any litigation arising out of or in connection with this Agreement or any other agreement or transaction brought in any such court, (vi) Buyer irrevocably waives any claims that litigation brought in any such court has been brought in an inconvenient forum, and (vii) it irrevocably consents to the service of process out of any of the aforementioned courts by the mailing of copies thereof by Certified Mail, Return Receipt Requested, postage prepaid, at its address set forth herein. The scope of each of the foregoing waivers is intended to be all encompassing. Buyer acknowledges that the foregoing waivers are material inducements to the agreement of ABC to enter into a business relation-ship with Buyer, and that ABC has already relied on these waivers in entering into this Agreement. EACH PARTY HEREBY AGREES NOT TO ELECT A TRIAL BY JURY OF ANY ISSUE TRIABLE OF RIGHT BY JURY, AND FULLY WAIVES ANY RIGHT TO TRIAL BY JURY TO THE EXTENT THAT ANY SUCH RIGHT NOW OR HEREAFTER EXISTS WITH RESPECT TO THIS AGREEMENT AND/OR THE AGREEMENTS, INSTRUMENTS AND DOCUMENTS CONTEMPLATED HEREBY OR ANY CLAIM, COUNTERCLAIM OR OTHER ACTION ARISING IN CONNECTION HEREWITH. EACH PARTY ACKNOWLEDGES AND AGREES THAT THIS WAIVER OF RIGHT TO TRIAL BY JURY IS GIVEN KNOWINGLY AND VOLUNTARILY BY SUCH PARTY AND IS INTENDED TO ENCOMPASS EACH INSTANCE AND EACH ISSUE AS TO WHICH THE RIGHT TO TRIAL BY JURY WOULD OTHERWISE ACCRUE. EITHER PARTY IS HEREBY AUTHORIZED TO FILE A COPY OF THIS SECTION IN ANY PROCEEDING AS CONCLUSIVE EVIDENCE OF THIS IRREVOCABLE WAIVER.

17. Indemnification - BUYER ASSUMES ENTIRE RESPONSIBILITY AND LIABILITY FOR ANY AND ALL CLAIMS OR ACTIONS BASED ON OR ARISING OUT OF INJURIES, INCLUDING DEATH, TO PERSONS OR DAMAGE TO OR DESTRUCTION OF PROPERTY (WHETHER BELONGING TO BUYER, BUILDING OWNER AND/OR ANY THIRD PARTY), SUSTAINED OR ALLEGED TO HAVE BEEN SUSTAINED IN CONNECTION WITH OR TO HAVE ARISEN OUT OF OR INCIDENTAL TO THE PERFORMANCE OF THIS CONTRACT BY BUYER, ITS AGENTS AND EMPLOYEES, AND ITS SUBCONTRACTORS, THEIR AGENTS AND EMPLOYEES, INCLUDING CLAIMS OR ACTIONS FOUNDED IN WHOLE OR IN PART UPON THE ALLEGED ACTS, OMISSIONS, NEGLIGENCE OR FAULT OF ABC, ABC'S REPRESENTATIVES, OR THE EMPLOYEES, AGENTS, INVITEES, OR LICENSEES THEREOF. BUYER FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD HARM-LESS ABC AND ITS REPRESENTATIVES, AND THE EMPLOYEES, AGENTS, INVITEES AND LICENSEES THEREOF IN RESPECT OF ANY SUCH MATTERS AND AGREES TO DEFEND ANY CLAIM OR SUIT OR ACTION BROUGHT AGAINST ABC, ABC'S REPRESENTATIVE, AND THE EMPLOYEES, AGENTS, INVITEES AND LICENSEES THEREOF. THE PARTIES HEREBY WAIVE THEIR RESPECTIVE RIGHTS UNDER THE DECEPTIVE TRADE PRACTICES-CONSUMER PROTECTION ACT, SECTIONS 17.41 THROUGH 17.63 INCLUSIVE, OF THE TEXAS BUSINESS AND COMMERCE CODE, A LAW THAT GIVES CONSUMERS SPECIAL RIGHTS AND PROTECTIONS. AFTER CONSULTATION WITH LEGAL COUNSEL, EACH VOLUNTARILY CONSENTS TO THIS WAIVER.

18. Severability - Each of the provisions of this Agreement is a separate and distinct agreement and independent of the others. If any provision of this Agreement is found to be invalid or unenforceable in any jurisdiction, such provision shall be fully severable in such jurisdiction, and this Agreement shall be construed and enforced as if in such jurisdiction such provision had never comprised a part hereof. In such event, the remaining provisions of this Agreement shall remain in full force and effect. The terms of this Agreement are intended by the parties as a final expression of their agreement containing all oral and written understandings, past and present, between the parties relative to the materials generally described in this Agreement.

19. Acceptance/Entire Agreement - As a condition precedent to the effectiveness of an order, all orders are subject to approval and acceptance by ABC. This Agreement, along with any attached exhibits, constitutes the entire agreement of the parties herein.

NOTES

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For the most current information available, visit our Web site at www.abcmetalroofing.com

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August 11, 2017/ Rev 00.00

ENERGY STAR PARTNER