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, AND 7.2 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.

AMERICAN BUILDING COMPONENTS

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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 wall to 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

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.

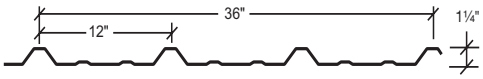
PANEL SELECTION

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.

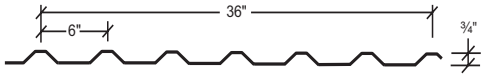
If aesthetic appearance is one of your concerns, ABC recommends you select one of our many color coated panel selections that carry a forty year limited warranty. Copies of ABC’s color coated panel warranty are available at your point of purchase or from the ABC office located nearest to you.

PRODUCT INFORMATION

PBR / PBU SQUARE FOOTAGE CHART



PBR PANEL



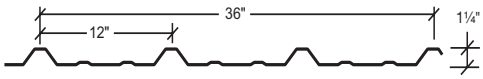
PBU PANEL

Number of Square Feet Per Panel

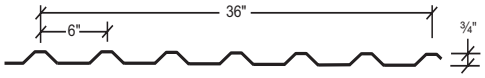
	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
1 FT.	3.19	3.45	3.72	3.98	4.25	4.52	4.78	5.05	5.31	5.58	5.84	6.11
2 FT.	6.38	6.64	6.91	7.17	7.44	7.70	7.97	8.23	8.50	8.76	9.03	9.30
3 FT.	9.56	9.83	10.09	10.36	10.62	10.89	11.16	11.42	11.69	11.95	12.22	12.48
4 FT.	12.75	13.02	13.28	13.55	13.81	14.08	14.34	14.61	14.87	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

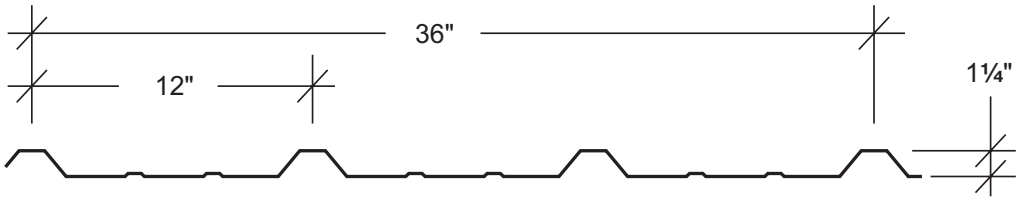
Notes:

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 GAUGE	Fy (KSI)	WEIGHT (PSF)	Ixe (IN.4/FT.)	Sxe (IN.3/FT.)	Maxo (KIP-IN.)	Ixe (IN.4/FT.)	Sxe (IN.3/FT.)	Maxo (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.
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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."
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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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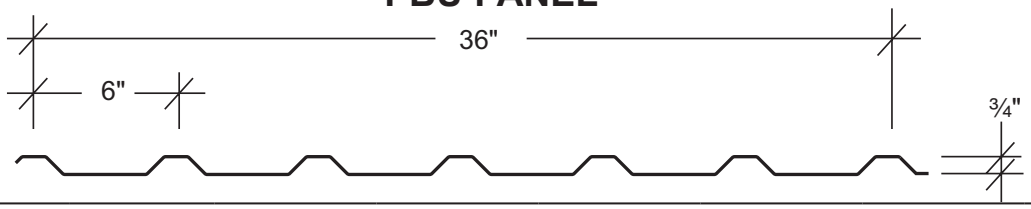
AMERICAN BUILDING COMPONENTS

PRODUCT INFORMATION

PBU 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.
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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.
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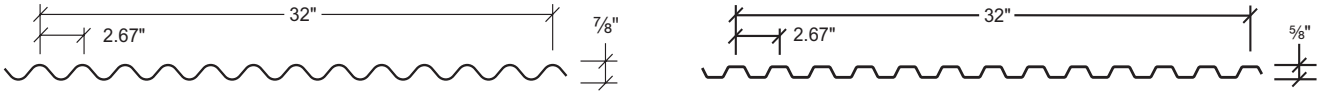
PRODUCT INFORMATION

PBC / PBD SQUARE FOOTAGE CHART



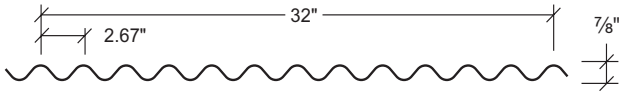
Number of Square Feet Per Panel

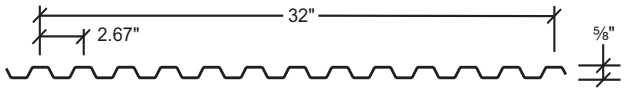
	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
1 FT.	2.83	3.07	3.31	3.54	3.78	4.01	4.25	4.49	4.72	4.96	5.19	5.43
2 FT.	5.67	5.90	6.14	6.37	6.61	6.85	7.08	7.32	7.55	7.79	8.03	8.26
3 FT.	8.50	8.74	8.97	9.21	9.44	9.68	9.92	10.15	10.39	10.62	10.86	11.10
4 FT.	11.33	11.57	11.81	12.04	12.28	12.51	12.75	12.99	13.22	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

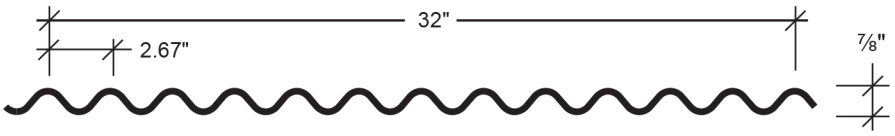
Delivery:
1. 29 and 26 gauge - Stocked Signature® 200 colors (see color chart)..... (Please Inquire)
2. 22 and 24 gauge - Galvalume Plus® and Signature® 200 White ..... (Please Inquire)
3. 22 and 24 gauge - Signature® 200 colors..... Approximately 14 Working Days
4. 26 gauge - Signature® 300 colors (see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

SUBJECT TO CHANGE WITHOUT NOTICE

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.
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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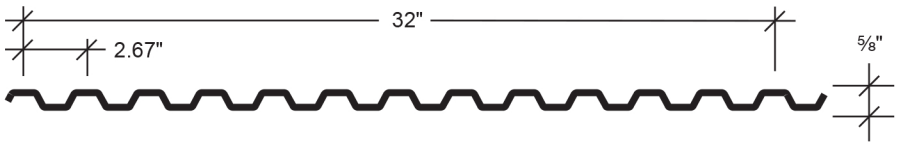
PRODUCT INFORMATION

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.

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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.

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

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

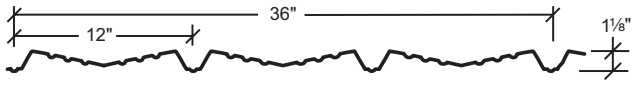
22 Gauge (0.0286"), Fy = 50 ksi, Fu = 60 ksi								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	201.90	113.57	72.68	50.48	32.69	21.90	15.38
	LIVE LOAD/DEFLECTION	204.19	114.86	63.16	36.55	23.02	15.42	10.83
2-span	NEGATIVE WIND LOAD	200.54	113.69	73.03	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.

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

AVP SQUARE FOOTAGE CHART

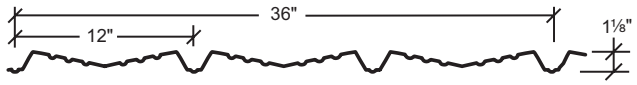


Number of Square Feet Per Panel

	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

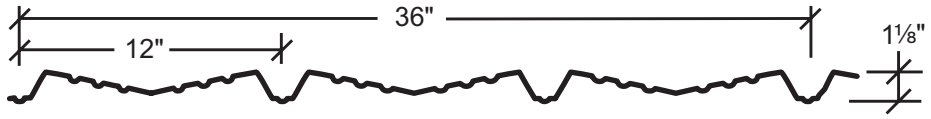
Delivery:
1. 29 and 26 gauge - Stocked Signature® 200 colors (see color chart) ..... (Please Inquire)
2. 22 and 24 gauge - Galvalume Plus® and Signature® 200 White ..... (Please Inquire)
3. 22 and 24 gauge - Signature® 200 colors ..... Approximately 14 Working Days
4. 26 gauge - Signature® 300 colors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

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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

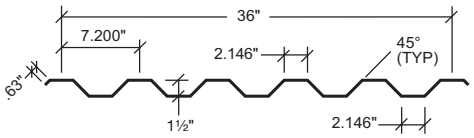
Notes:
1. Strength calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push 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.

SUBJECT TO CHANGE WITHOUT NOTICE

PRODUCT INFORMATION

7.2 PANEL



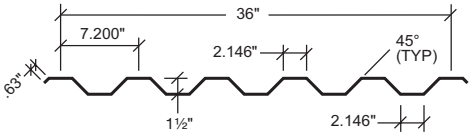
Number of Square Feet Per Panel

	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

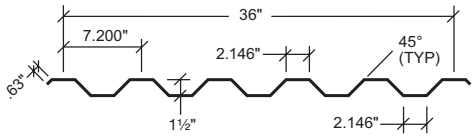
Delivery:
1. 29 gauge - Stocked Signature® 200 colors (see color chart)..... (Please Inquire)
2. 26 , 24 and 22 gauge - (see color chart) ..... (Please Inquire)

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.

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.

SUBJECT TO CHANGE WITHOUT NOTICE

PRODUCT INFORMATION

PANEL FASTENER LOCATIONS
(Panel Ends)

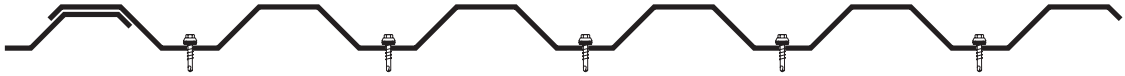
PBR PANEL

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)

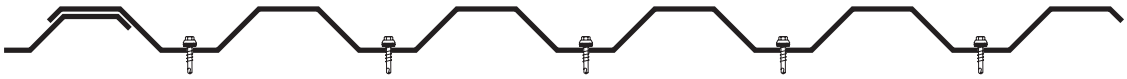
PBR PANEL

PBU PANEL

PBC PANEL - (WALL APPLICATION)

PBC PANEL - (ROOF APPLICATION)

PBD PANEL



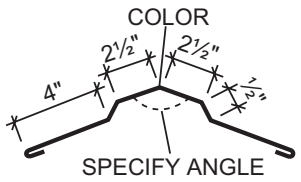
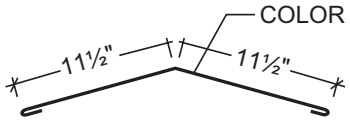
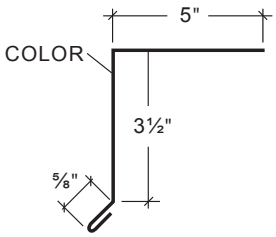
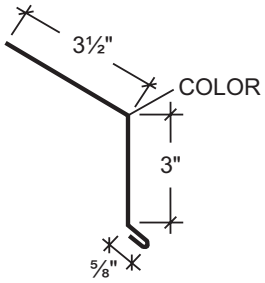
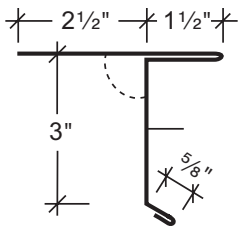
7.2 PANEL

AVP PANEL

NOTES:

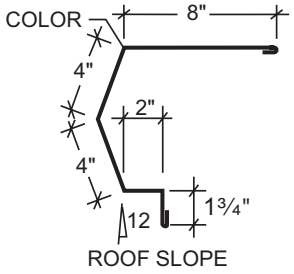
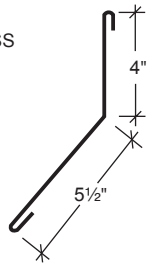
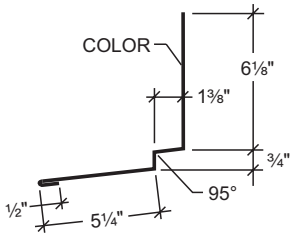
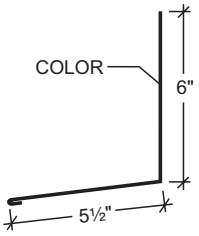
1. PBR, PBU, PBC, PBD and AVP have unsymmetrical purlin bearing side lap legs. (Panel Side lap with extended foot to bear on framing) However, where possible, the panel should be lapped against prevailing wind.
2. The above are typical fastener spacings. However, they may not be appropriate for all applications.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

TRIM - UNIVERSAL (ALL PROFILES)

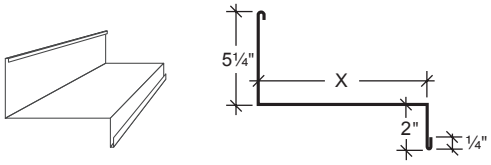
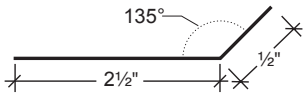
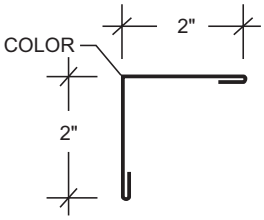
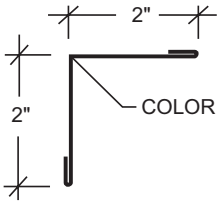
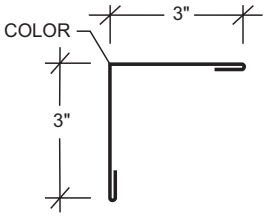
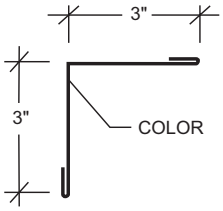
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT	GAUGE
PLAIN RIDGE CAP 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	FL-600	10'-2"	14½"	9.71#	26 GA
FLAT RIDGE CAP 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	FL-38	10'-2"	24"	15.82#	26 GA
EAVE TRIM 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	FL-19	10' - 2"	9⅝"	6.35#	26 GA
EAVE TRIM 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	AG-246 AG-247	10' - 2" 20' - 2"	7⅝" 7⅝"	4.51# 9.02#	29 GA 29 GA
DRIP EDGE 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE • Max bend 6:12 pitch 	AG-279	10' - 6"	9⅝"	6.18#	29 GA

AMERICAN BUILDING COMPONENTS

TRIM - UNIVERSAL (ALL PROFILES)

ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT	GAUGE
SCULPTURED HIGH SIDE EAVE 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	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 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	FL-555	10'-2"	10½"	7.80#	26 GA
PARAPET HIGH EAVE TRIM 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	FL-195	10'-2"	14"	9.80#	26 GA
PARAPET HIGH EAVE TRIM 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	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

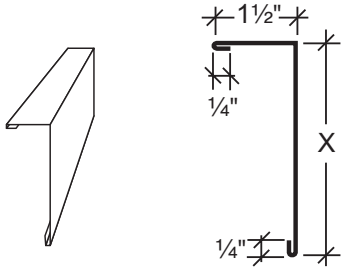
TRIM - UNIVERSAL (ALL PROFILES)

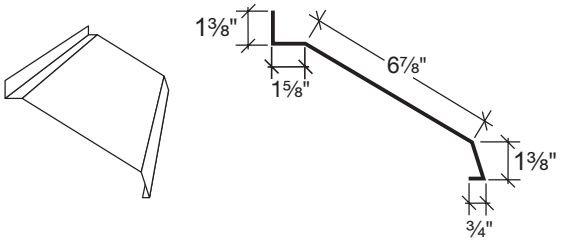
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT	GAUGE
CUSTOM SOFFIT (X=12")	FL-607	10'-2"	20"	15.50#	26 GA
(X=14")	FL-607A	10'-2"	22"	17.00#	26 GA
(X=16")	FL-607B	10'-2"	24"	18.60#	26 GA
					
CONTINUOUS CLEAT	FL-338	10'-2"	3"	2.45#	26 GA
					
2 X 2 OUTSIDE ANGLE	FL-27	10'-2"	5"	3.60#	26 GA
					
2 X 2 INSIDE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

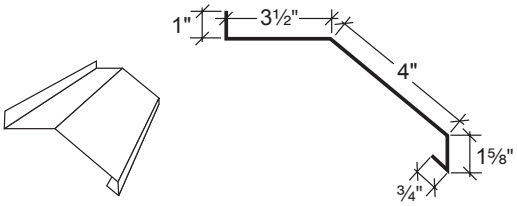
AMERICAN BUILDING COMPONENTS

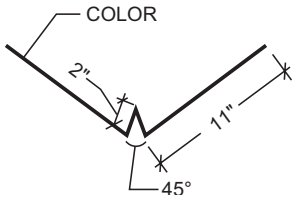
TRIM - UNIVERSAL (ALL PROFILES)

ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT	GAUGE
DOOR POST TRIM (X=5 1/2")	FL-612	10'-2"	7½"	5.82#	26 GA
(X=7 1/4")	FL-612A	10'-2"	9¼"	7.18#	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 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE	FL-556	10'-2"	26"	17.87#	26 GA

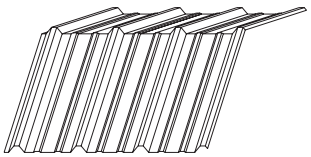
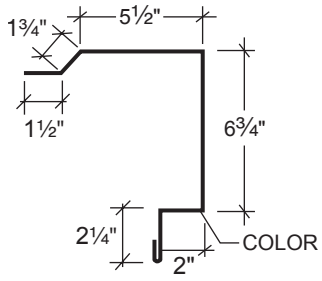
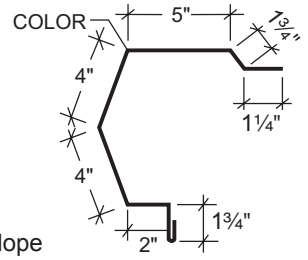
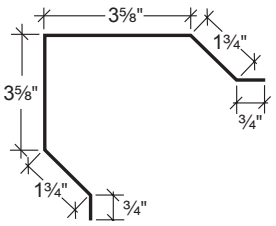
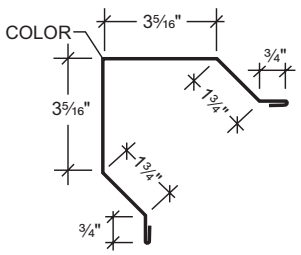








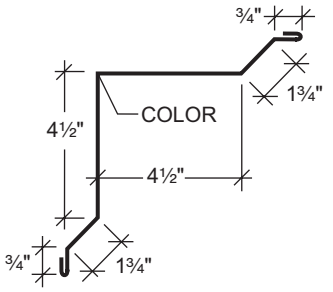
TRIM - PBR/AVP SPECIFIC

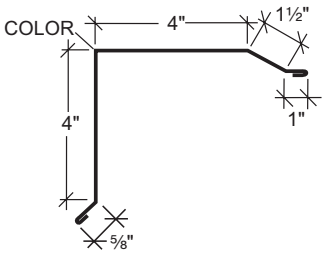
ITEM	PART NUMBER	DESCRIPTION	LENGTH	GIRTH	WEIGHT
DIE-FORMED RIDGE CAP 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	FL-49 FL-51		2'-6" 3'-0"		7.13# 8.55#
BOX RAKE TRIM (PBR PANEL) 	FL-13 FL-13D		10'-2" 20'-2"	20¼" 20¼"	13.25# 26.48#
RAKE ENDS	FL-13A				
CORNER BOX 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE					
PEAK BOX 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE					
"PBR" SCULPTURED RAKE 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE  Specify roof slope	FL-16 FL-16D FL-16A FL-16B	Rake Trim Rake Trim Rake Ends Peak Box	10'-2" 20'-2" N/A N/A	20¼" 20¼" N/A N/A	14.50# 29.00# .19# 2.67#
"PBR" CORNER TRIM - OUTSIDE 	FL-11 FL-11A FL-11B		10'-2" 12'-0" 14'-0"	1'-0¼" 1'-0¼" 1'-0¼"	8.50# 10.25# 11.90#
"PBR" PANEL OUTSIDE CORNER 	FL-830 FL-831 FL-832 FL-833 FL-834 FL-835		10'-2" 12'-0" 14'-0" 16'-0" 18'-0" 20'-2"	12⅝" 12⅝" 12⅝" 12⅝" 12⅝" 12⅝"	8.32# 9.83# 11.46# 13.10# 14.74# 16.51#

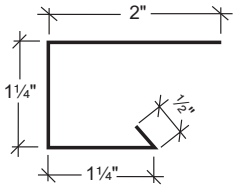
AMERICAN BUILDING COMPONENTS

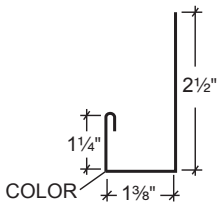
TRIM - PBR/AVP SPECIFIC

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'-2"	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#

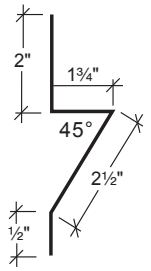
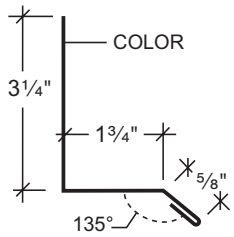
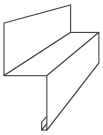
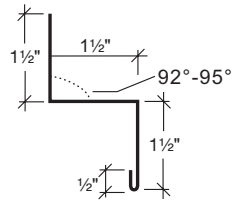
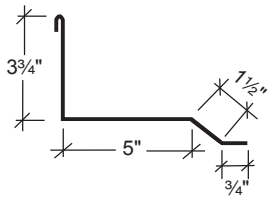
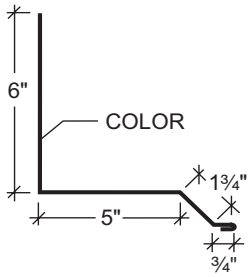






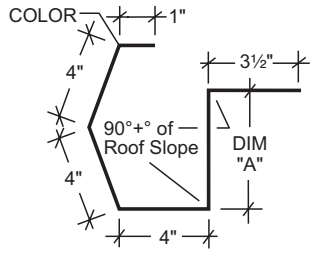
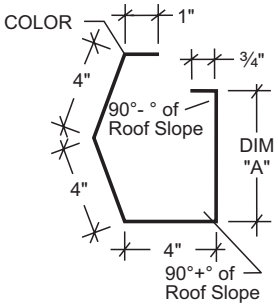
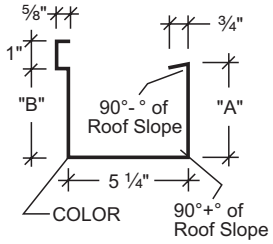
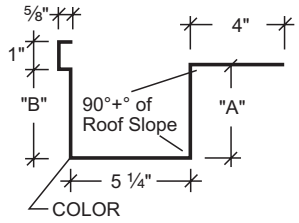
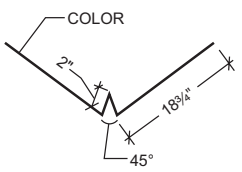


TRIM - PBR/AVP SPECIFIC

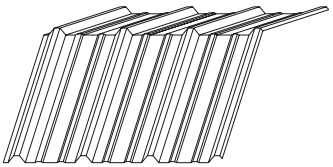
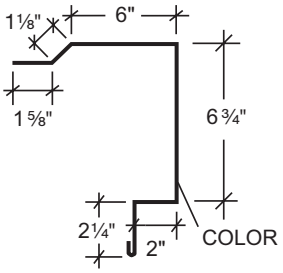
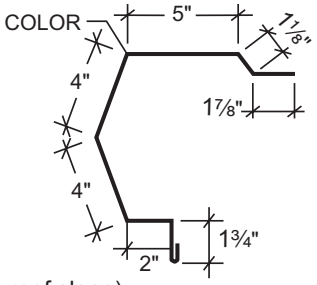
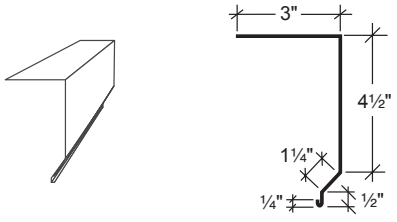
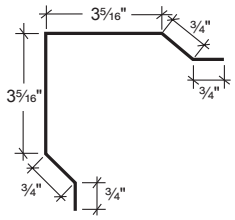
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT
"PBR" BASE TRIM 	FL-530	10'-2"	6¾"	4.45
BASE TRIM - ALL PANELS 	FL-72	10'-2"	6⅛"	3.81#
"PBR" STACK JOINT TRIM  	FL-613	10'-2"	5"	3.30#
"PBR" PANEL TRANSITION 	FL-49A	10'-2"	11¾"	8.50#
"PBR" PARAPET RAKE 	FL-952 FL-953	10'-2" 20'-2"	14" 14"	9.23# 19.60#

AMERICAN BUILDING COMPONENTS

TRIM - PBR/AVP SPECIFIC

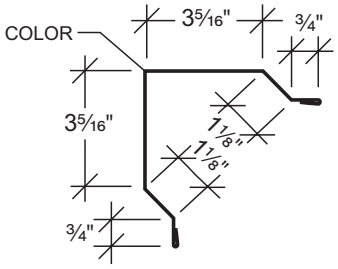
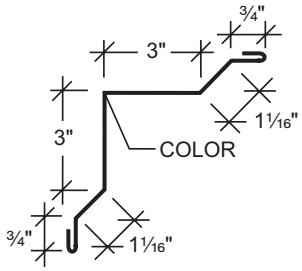
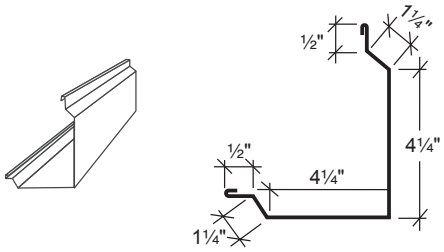
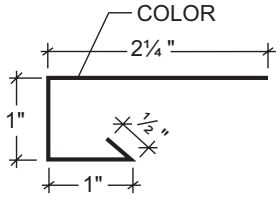
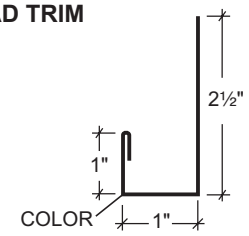
ITEM	PART NUMBER	DIM "A"	DIM "B"	LENGTH	GIRTH	ROOF SLOPE	WEIGHT
"PBR" SCULPTURED EAVE GUTTER 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	FL-18	6½"		10'-2"	23"	½ - 4:12	15.17#
	FL-18B	6½"		20'-2"	23"	½ - 4:12	35.40#
	FL-18H	7"		10'-2"	23½"	4⅛ - 6:12	17.88#
	FL-18J	7"		20'-2"	23½"	4⅛ - 6:12	35.47#
"PBR" SCULPTURED HANG-ON GUTTER 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	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#
"PBR" BOX HANG ON GUTTER 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	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#
"PBR" BOX EAVE GUTTER 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	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#
"PBR" EXTENDED VALLEY 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	FL-558			10'-2"	41½"		27.85#
	FL-559			14'-0"	41½"		37.68#

TRIM - PBU/PBC/PBD SPECIFIC

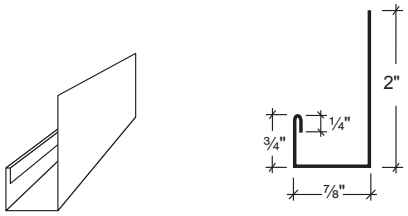
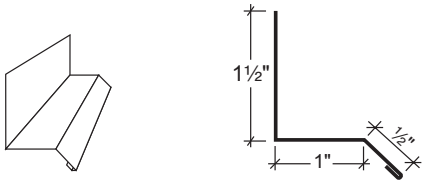
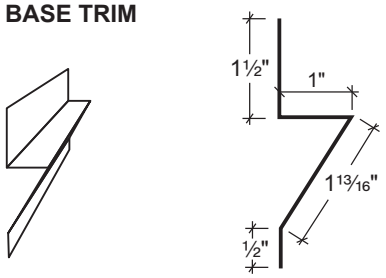
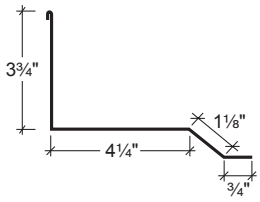
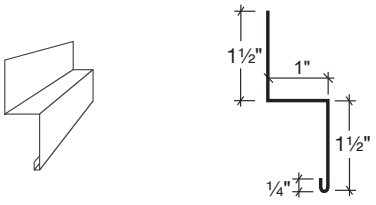
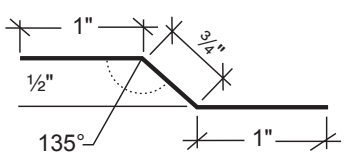
ITEM	PART NUMBER	DESCRIPTION	LENGTH	GIRTH	WEIGHT
"PBU" DIE-FORMED RIDGE CAP 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	FL-50 FL-52		2'-6" 3'-0"		7.13# 8.55#
	Skidding charge of $42.00 will be added				
"PBU" BOX RAKE TRIM  **RAKE ENDS** **CORNER BOX** (Specify roof slope) **PEAK BOX** (Specify roof slope)	FL-12 FL-12D FL-12A FL-12B FL-12C		10'-2" 20'-2"	20¼" 20¼"	13.25# 26.50#
"PBU" SCULPTURED RAKE  (Specify roof slope)	FL-15 FL-15D FL-16A FL-15C	Rake Trim Rake Trim Rake Ends Peak Box	10'-2" 20'-2" N/A N/A	20¼" 20¼" N/A N/A	14.50# 29.00# .19# 2.67#
SHINGLE RAKE TRIM 	FL-606		10'-2"	9½"	7.57#
"PBU" CORNER TRIM - OUTSIDE 	FL-10 FL-10A FL-10B		10'-2" 12'-0" 14'-0"	9⅝" 9⅝" 9⅝"	7.50# 9.00# 10.50#

AMERICAN BUILDING COMPONENTS

TRIM - PBU/PBC/PBD SPECIFIC

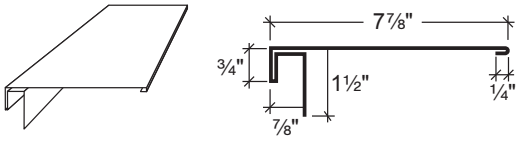
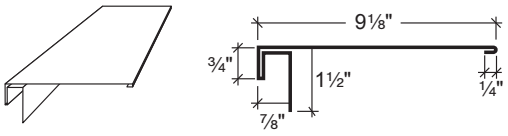
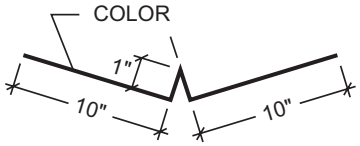
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT
"PBU" PANEL OUTSIDE CORNER 	FL-840	10'-2"	11⅜"	7.50#
	FL-841	12'-0"	11⅜"	8.85#
	FL-842	14'-0"	11⅜"	10.33#
	FL-843	16'-0"	11⅜"	11.80#
	FL-844	18'-0"	11⅜"	13.28#
	FL-845	20'-2"	11⅜"	14.88#
"PBU" PANEL INSIDE CORNER 	FL-810	10'-2"	10⅝"	7.01#
	FL-811	12'-0"	10⅝"	8.27#
	FL-812	14'-0"	10⅝"	9.65#
	FL-813	16'-0"	10⅝"	11.03#
	FL-814	18'-0"	10⅝"	12.40#
	FL-815	20'-2"	10⅝"	13.90#
CORNER TRIM 	FL-602	10'-2"	12½"	9.74#
	FL-602A	12'-6"	12½"	11.67#
	FL-602B	14'-6"	12½"	13.62#
	FL-602C	16'-0"	12½"	15.56#
"PBU" PANEL JAMB TRIM 	FL-20	7'-3"	4¾"	2.35#
	FL-21	10'-2"	4¾"	3.30#
	FL-21B	12'-2"	4¾"	3.95#
	FL-21C	14-2"	4¾"	4.59#
"PBU" HEAD TRIM 	FL-514	3'-6"	5"	1.20#
	FL-514A	10'-4"	5"	4.02#
	FL-514B	14'-4"	5"	5.77#

TRIM - PBU/PBC/PBD SPECIFIC

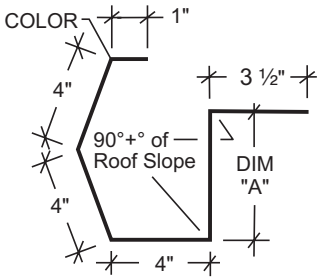
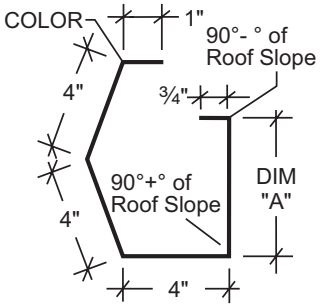
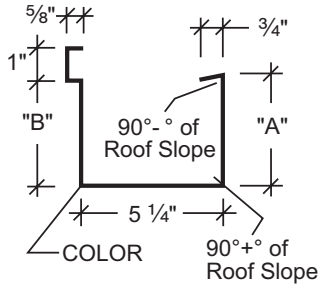
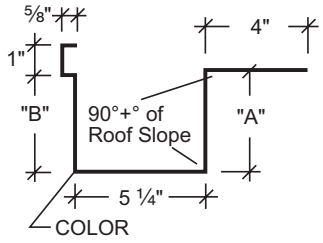
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT
J CHANNEL 	FL-611	10'-2"	3⅞"	3.30#
"PBU" WINDOW DRIP CAP 	FL-614	10'-2"	3¼"	2.32#
"PBU" BASE TRIM 	FL-601	10'-2"	4 13/16"	3.56#
"PBU" PANEL TRANSITION 	FL-50A	10'-2"	10⅜"	7.50#
Z FLASHING 	FL-610	10'-2"	4¼"	3.30#
Z CLOSURE 	AG-274	10'-2"	2¾"	1.78#

AMERICAN BUILDING COMPONENTS

TRIM - PBU/PBC/PBD SPECIFIC

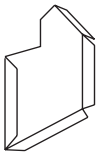
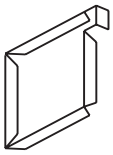
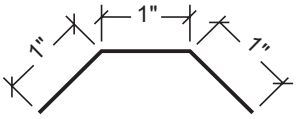
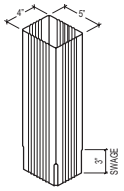
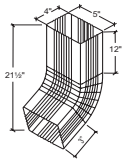
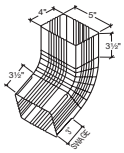
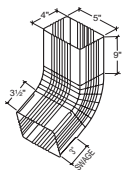
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT
OVERHEAD DOOR TRIM (7 7/8")	FL-617	10'-2"	12"	9.31#
				
OVERHEAD DOOR TRIM (9 1/8")	FL-617A	10'-2"	13¼"	9.94#
				
STANDARD VALLEY 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE	AG-237 AG-238	10'-2" 20'-2"	22⅜" 20½"	14.16# 28.32#
				
EXTENDED VALLEY 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE	AG-239 AG-240	10'-2" 14'-0"	42¾" 42¾"	28.29# 56.58#
				

TRIM - PBU/PBC/PBD SPECIFIC

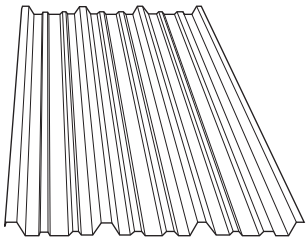
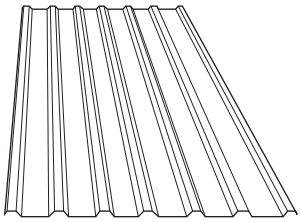
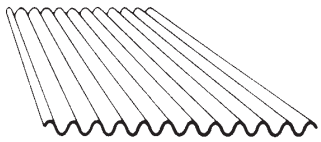
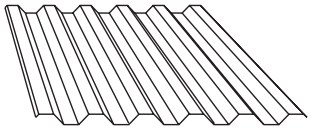
ITEM	PART NUMBER	DIM "A"	DIM "B"	LENGTH	GIRTH	ROOF SLOPE	WEIGHT
"PBU" SCULPTURED EAVE GUTTER 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	FL-512	7"		10'-2"	23½"	½ - 4:12	15.49#
	FL-512A	7"		20'-2"	23½"	½ - 4:12	35.40#
	FL-512E	7½"		10'-2"	24"	4⅛ - 6:12	18.26#
	FL-512F	7½"		20'-2"	24"	4⅛ - 6:12	36.23#
"PBU" SCULPTURED HANG-ON GUTTER 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	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#
"PBU" BOX HANG-ON GUTTER 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	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"	4 1/16 - 6:12	11.37#
	FL-74F	4¾"	4¼"	20'-2"	17¼"	4 1/16 - 6:12	22.56#
"PBU" BOX EAVE GUTTER 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	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#

AMERICAN BUILDING COMPONENTS

ACCESSORIES

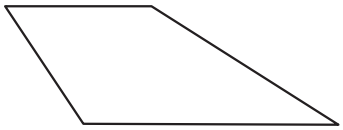
ITEM	PART NUMBER	LENGTH	GIRTH	WEIGHT
GUTTER ENDS - SCULPTURED  Specify left or right	FL-18A			.32#
GUTTER ENDS  Specify left or right	FL-14A - (26 GA)			26#
GUTTER STRAP 	FL-893 - (26 GA) FL-893 - (24 GA)	1'-0" 1'-0"	3" 3"	.23# .23#
ROLL FORM DOWNSPOUT - STRAIGHT  **Note:** • Box style downspout available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

ACCESSORIES

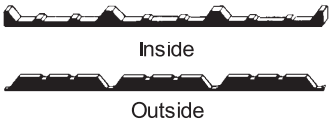
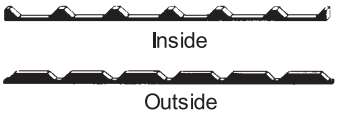
ITEM	PART NO.	LENGTH	COLOR	TYPE	SQ. FT. WEIGHT	PIECE WEIGHT
"PBR" LIGHT TRANSMITTING PANEL* 	**High Strength Fiberglass**					
	HW-1509	10'-8"	White	1	8 oz.	16.89#
	High Strength - U.V. Resistant					
	HW-1432	10'-8"	White	1	8 oz.	16.89#
	HW-1434	11'-0"	White	1	8 oz.	17.42#
	HW-1436	12'-0"	White	1	8 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#

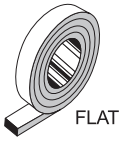
CAUTION

***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

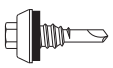
ITEM	PART NO.	TYPE	ADHESIVE	SIZE	CARTON SIZE	CARTON WEIGHT
"PBR" PANEL CLOSURE STRIP 	HW-455 HW-456	Inside Outside	No Yes	1" X 36" 1" X 36"	100 100	4.09# 8.32#
"PBU" PANEL CLOSURE STRIP 	HW-459 HW-460	Inside Outside	No Yes	1" X 36" 1" X 36"	100 100	4.05# 6.27#
"PBC" PANEL CLOSURE  Inside or Outside	HW-462	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				

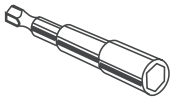
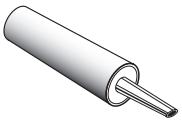
TRI-BEAD SEALER 					
	7/8" X 3/16"	HW-504	25' - 0"	8	20.00 #
	SOLD IN FULL CARTONS ONLY				

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 5/16" (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

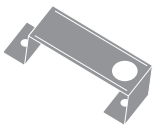
American Building Components recommends a #14 x 1"; Type “A”, hex head fastener with washer for all exposed fastener panels applied over a plywood or OSB substrate. The use of a #9 or #10 “wood grip” type fastener into plywood or OSB substrates is not recommended. This refers to exposed fastener panels 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

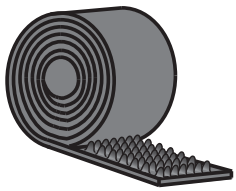
ITEM	PART NUMBER	GENERAL	LENGTH
PROFILE VENT 	HW-116R HW-116U HW-116C	PBR PBU PBC	100' ROLL 100' ROLL 100' ROLL
			*Two 50' Rolls per Pkg

PROFILE VENT ANCHOR CLIP



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

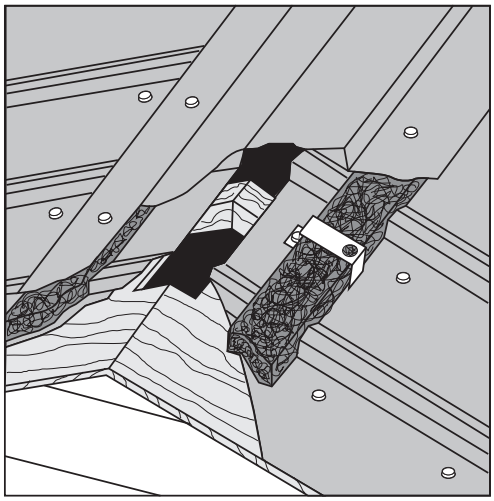
VERSA VENT

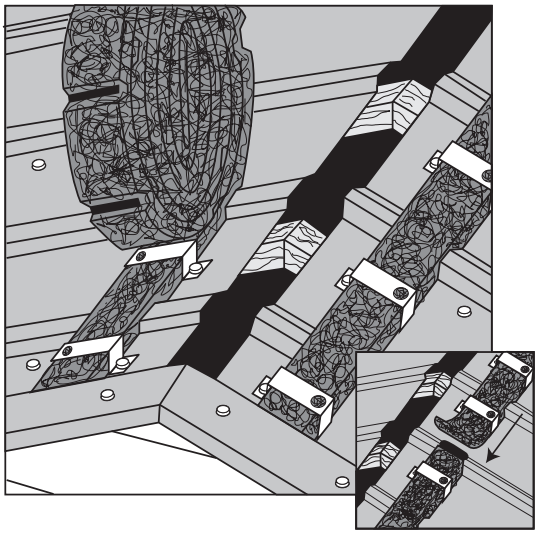


PART NUMBER	GENERAL	LENGTH	CARTON SIZE
HW-111	1" Thickness	10'-0"	10
HW-112	1 1/4" Thickness	10'-0"	10

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.

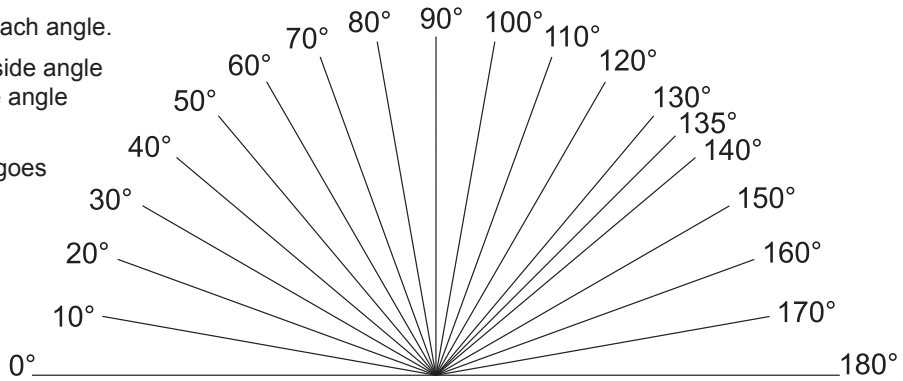
AMERICAN BUILDING COMPONENTS

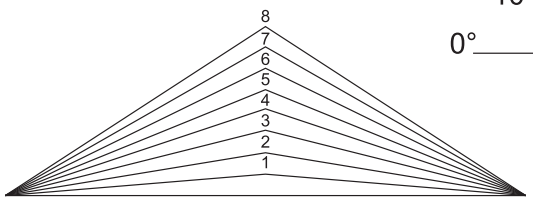
PRODUCT INFORMATION

HOW TO ORDER SPECIAL FLASHING

NOTE:

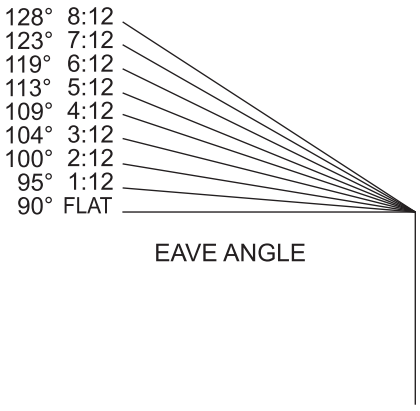
1. Always indicate the dimension of each segment.
2. Always put in degrees of each angle.
3. Always use degrees on inside angle from line to line (never use angle to a non-existing line).
4. Always show where color goes on each piece.
5. Calculate girth (flat width).





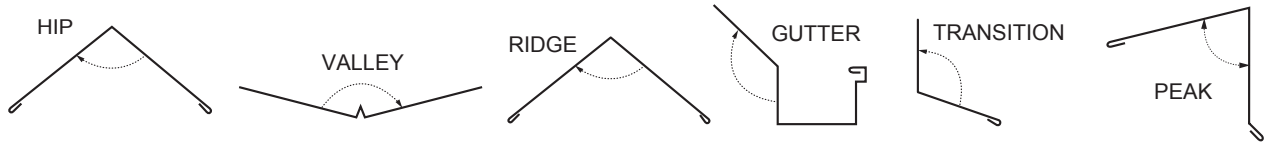
RIDGE ANGLE

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



EAVE ANGLE

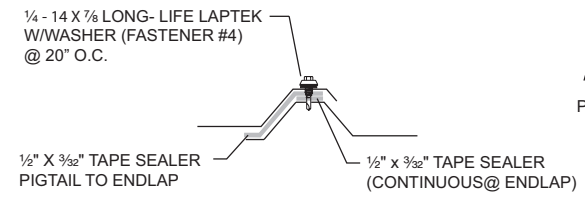
ANGLE CHART FOR HIP, VALLEY, RIDGE, GUTTER and PITCH BREAK TRIM



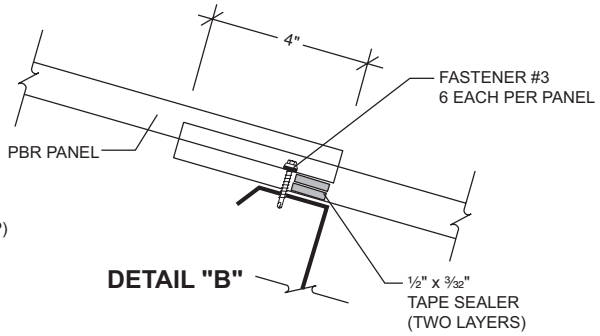
	ROOF SLOPE											
	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
HIP AND VALLEY	173°	166°	160°	154°	148°	143°	138°	133°	129°	126°	123°	120°
RIDGE	170°	161°	152°	143°	135°	127°	120°	113°	106°	100°	195°	90°
GUTTER AND TRANSITION	94°	99°	140°	108°	112°	116°	120°	123°	126°	129°	132°	135°
PEAK	85°	81°	76°	72°	67°	63°	60°	56°	53°	50°	47°	45°

PBR/PBU DETAILS

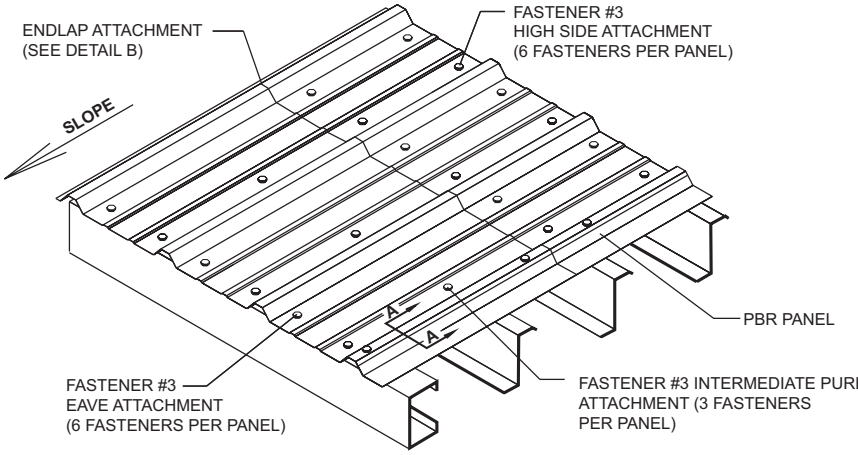
PBR PANEL ATTACHNENT

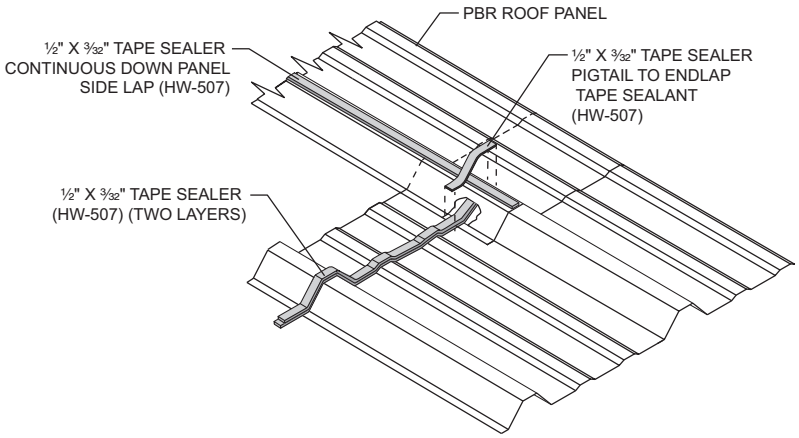


DETAIL "A"



DETAIL "B"





NOTES:

Sidelap

1. ½" X **3/32**" tape sealer must be installed between weather infiltration point and fastener.
2. Install Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek) at 20" O.C. at roof panel side laps and 24" O.C. at wall panel side laps.
3. When possible, install panels such that sidelaps are nested away from prevailing winds.
4. Fastener #4A (¼"-14 X ⅞" Lap Tek) are available as an alternate when long life fasteners are not desired.

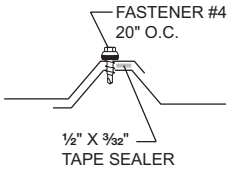
Endlap

1. Stack 2 continuous layers of ½" X **3/32**" tape sealer on top of each other and must be installed between weather infiltration point and fastener.
2. Install a ½" X **3/32**" tape sealer pigtail to complete the seal between the side lap tape sealant and the end lap tape sealant.
3. Install Fastener #3 (12-14 X 1¼" Long Life driller) on each side of major ribs of panel (two fasteners per foot).
4. Fastener #17A (12-14 X 1¼" self-driller) are available as an alternate when long life fasteners are not desired.

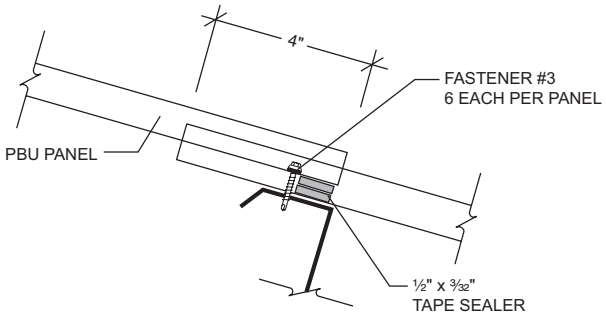
AMERICAN BUILDING COMPONENTS

PBR/PBU DETAILS

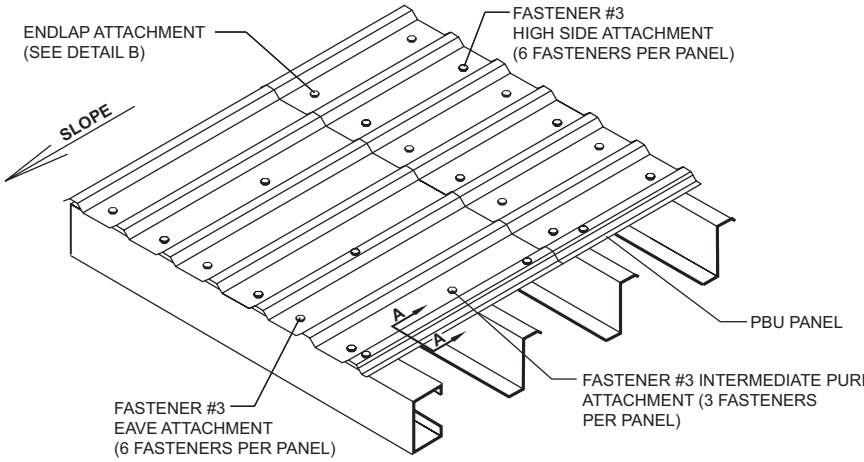
PBU PANEL ATTACHMENT

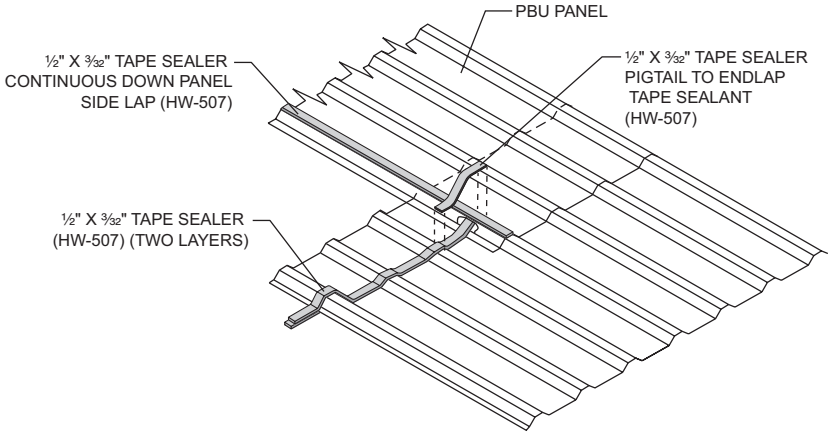


DETAIL "A"



DETAIL "B"





NOTES:

Sidelap

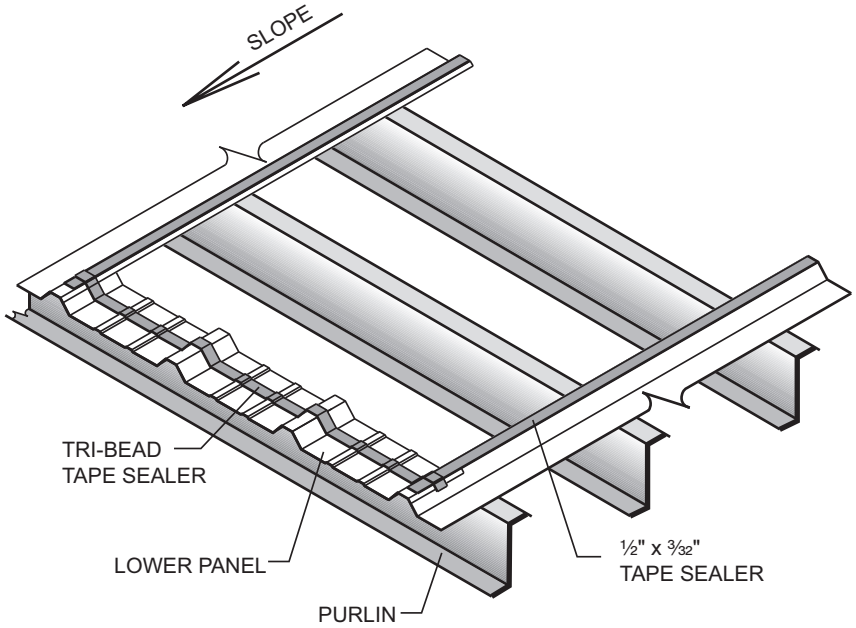
1. ½" X 3⁄32" tape sealer must be installed between weather infiltration point and fastener.
2. Install Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek) at 20" on center.
3. When possible, install panels such that sidelaps are nested away from prevailing winds.
4. Fastener #4A (¼"-14 X ⅞" Lap Tek) are available as an alternate when long life fasteners are not desired.

Endlap

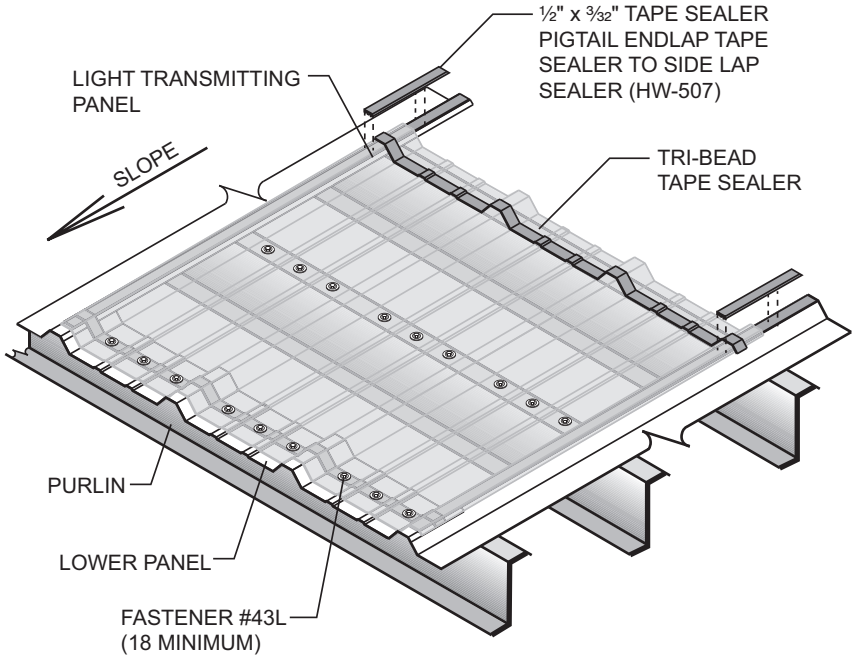
1. Stack 2 continuous layers of ½" X 3⁄32" tape sealer on top of each other and must be installed between weather infiltration point and fastener.
2. Install Fastener #3 (12-14 X 1¼" Long Life driller) on each side of major ribs of panel (two fasteners per foot).
3. Fastener #17A (12-14 X 1¼" self-driller) are available as an alternate when long life fasteners are not desired.

PBR/PBU DETAILS

CONSTRUCTION NO. 542
UL 90 LIGHT TRANSMITTING PANEL INSTALLATION



Install roof panels, leaving the light transmitting panel run open, except for lower light transmitting panel run metal panel. Install tape sealer to panel sidelaps and across panel width as normal.



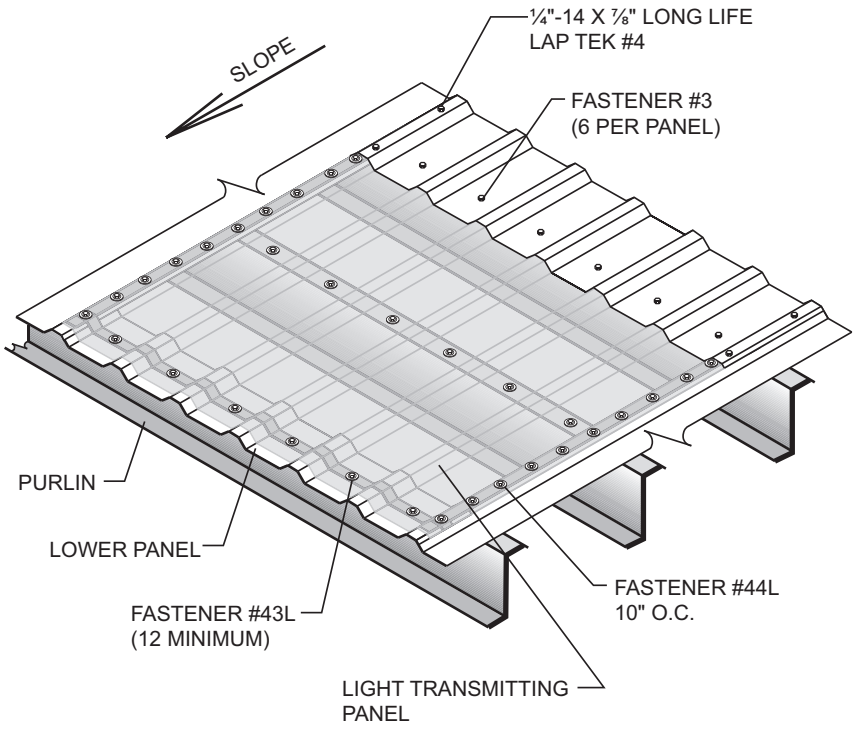
Attach light transmitting panels at the low and mid-slope connection to the purlin with nine Fastener #43L (¼ - 14 x 1¼" Long Life Driller with 1⅛" O.D. washer) per connection.

Install a ½" x 3⁄32" tape sealer pigtail to complete the seal between the side lap sealant and the end lap sealant.

AMERICAN BUILDING COMPONENTS

PBR/PBU DETAILS

CONSTRUCTION NO. 542
UL 90 LIGHT TRANSMITTING PANEL INSTALLATION (Continued)



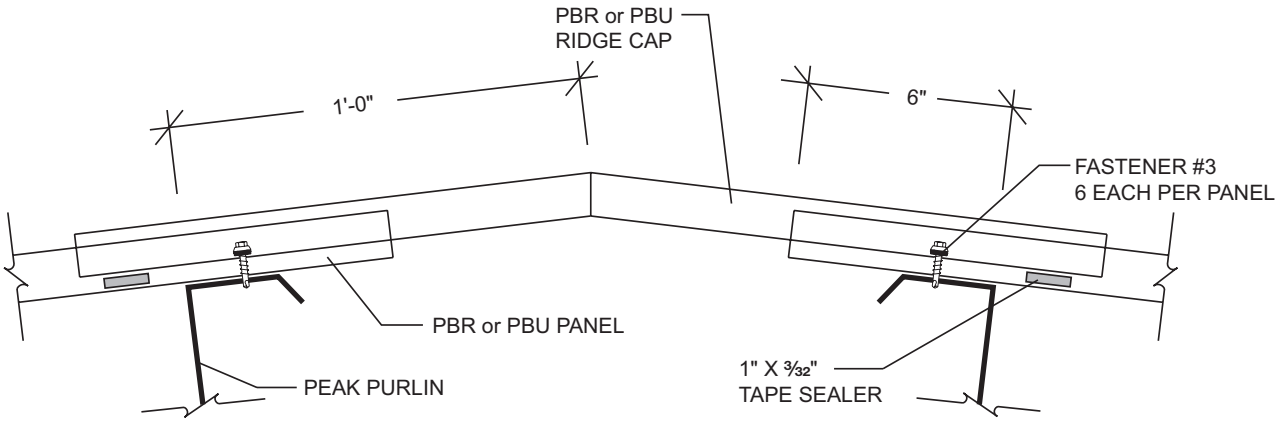
Be sure the light transmitting panel sidelaps have complete run of (½" x 3/32") tape sealer between the light transmitting panel and the PBR panel.

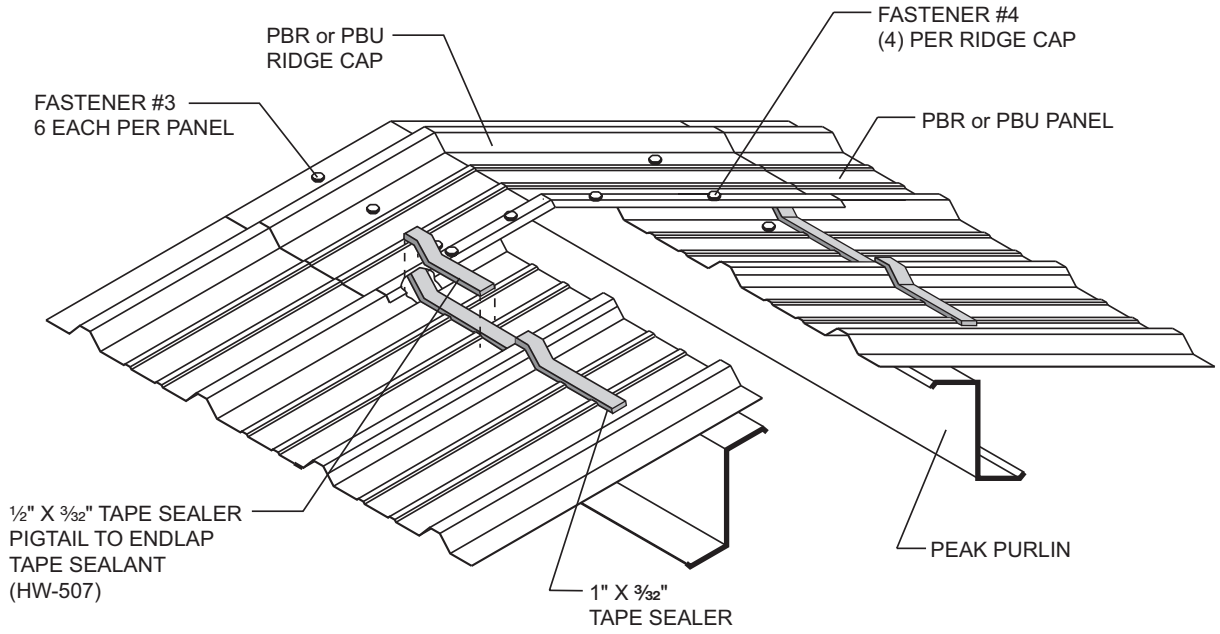
Fasten light transmitting panel with Fastener #44L (¼" - 14 x ⅞" Long Life Lap Tek with 1⅛" O.D. washer) at 10" O.C. down each side lap.

Install upper metal panel in light transmitting panel run and fasten as at a normal endlap with nine Fastener #3 (12 - 14 X 1¼" Long Life driller).

PBR/PBU DETAILS

TYPICAL DETAILS
Ridge



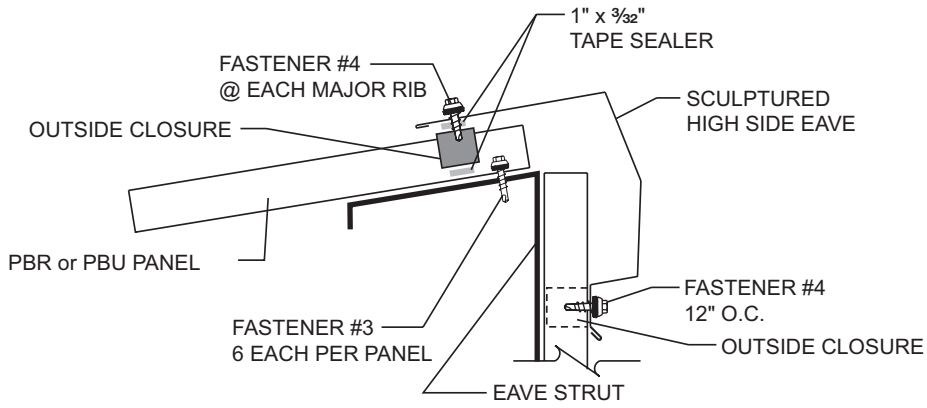


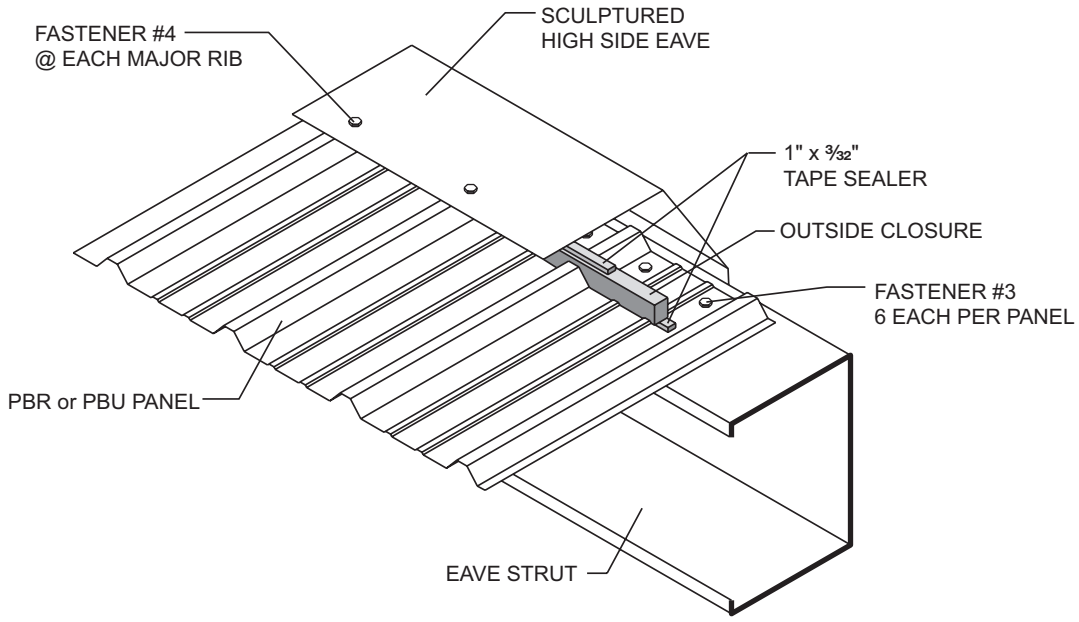
NOTES:

1. When ordering ridge caps, specify roof slope. Refer to MBCI price pages for maximum slope for each ridge cap.
2. Install 1" x 3⁄32" tape sealer across full width of ridge cap on both sides. Tape sealer must be installed between weather infiltration point and fasteners.
3. Install 1" x 3⁄32" tape sealer to the sidelap of the ridge cap that will lap onto adjacent ridge cap. Tape sealer must be installed between weather infiltration point and fasteners.
4. Install Fastener #3 (12-14 X 1¼" Long Life driller) on both sides of major ribs (two per foot).
5. Install four Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek) in each ridge cap sidelap. Place (1) one Lap Tek in high rib on each side of the ridge cap centerline and one in line with purlin fastener on each side of ridge line.

PBR/PBU DETAILS

TYPICAL DETAILS
High Side Eave



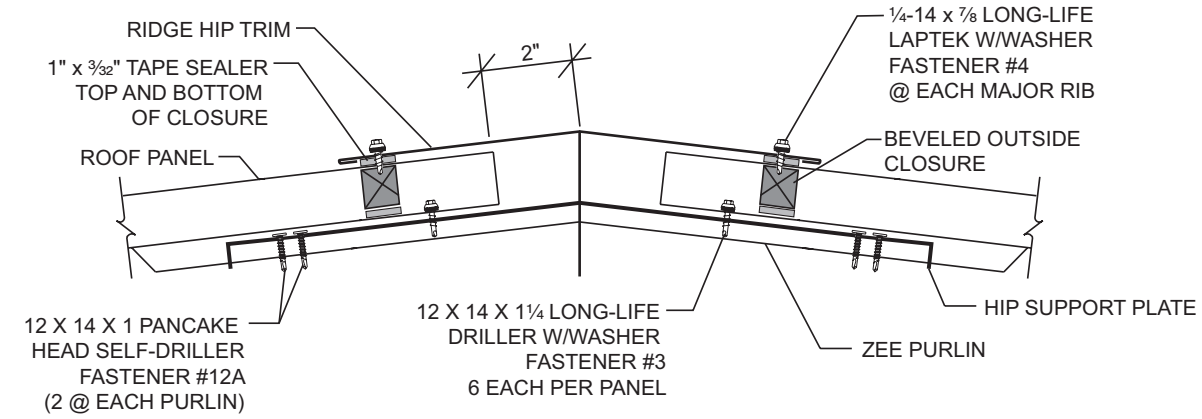


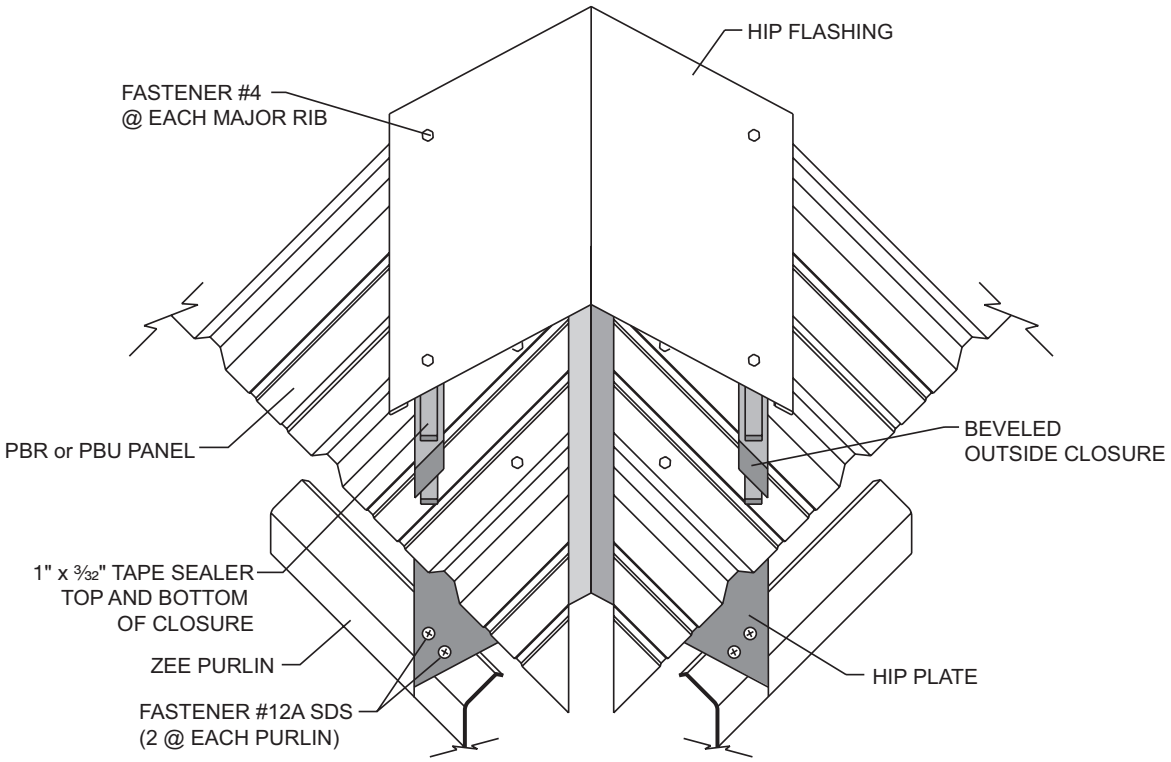
NOTES:

1. Install outside closure, with 1" x 3/32" tape sealer top and bottom, across width of PBR or PBU panels.
2. Install Sculptured High Side Eave to PBR or PBU panels at each major rib with Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek). Sculptured high side eave trim should overhang outside closures ½" - 1".
3. Attach front face of sculptured high side eave trim to wall with fasteners or cleat as required for wall substrate.
4. Trim laps should be approximately 3" with sufficient amount of Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek) to hold lap together. Apply bead of urethane sealant between trim at 3" lap.

PBR/PBU DETAILS

TYPICAL DETAILS
Hip





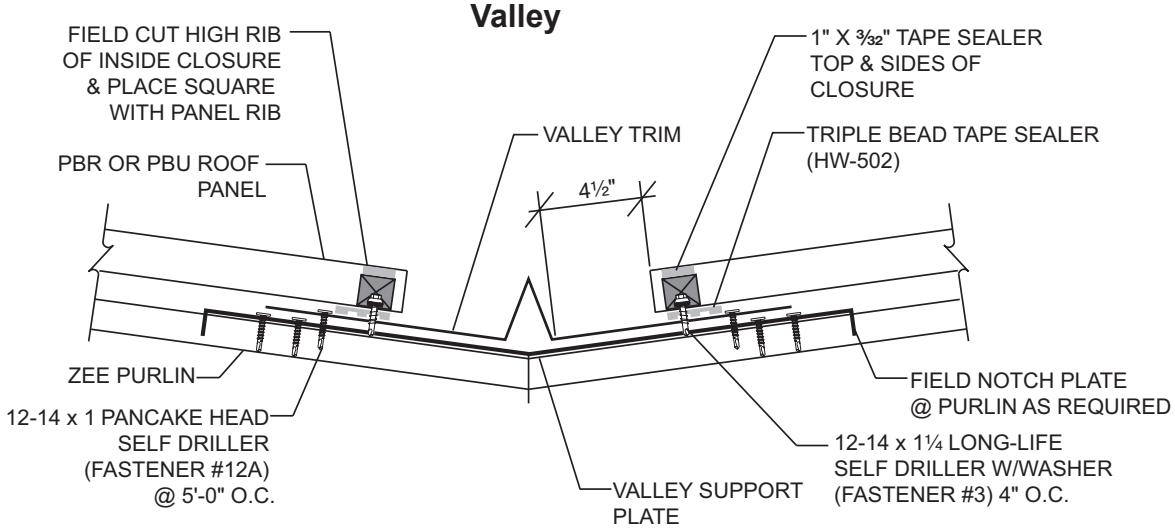
NOTES:

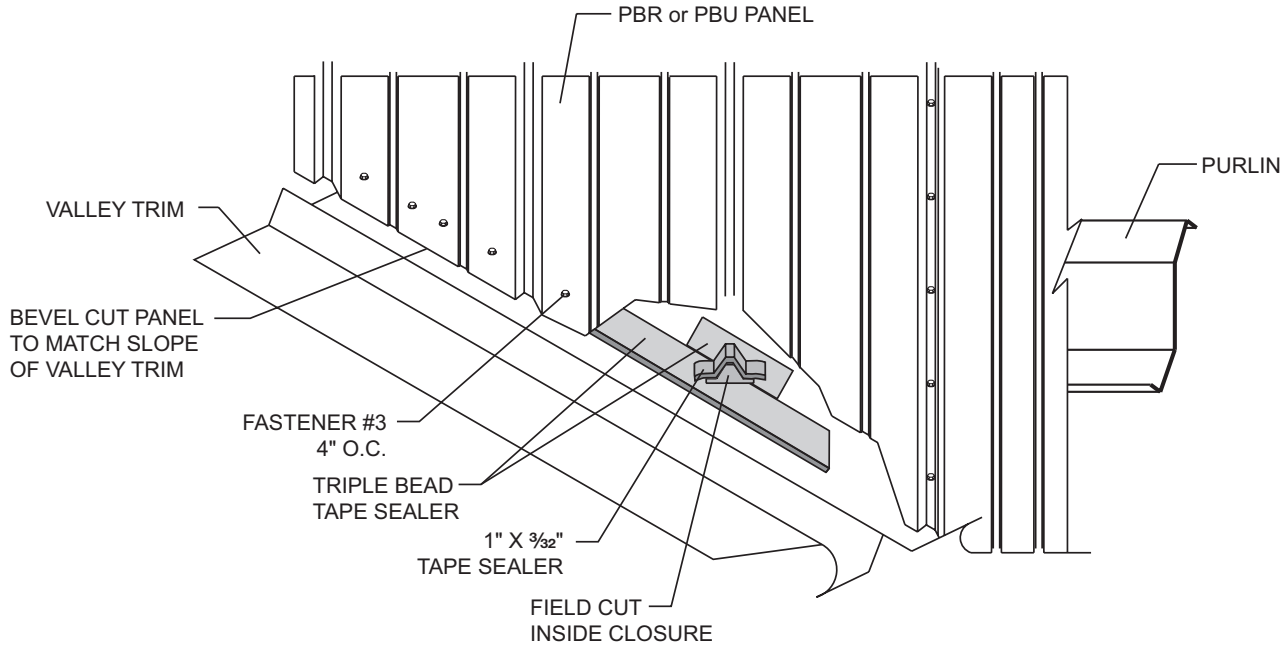
1. Bevel cut and install PBR or PBU panels to follow bevel of hip.
2. Install beveled outside closures to panels, with 1" x 3⁄32" tape sealer top and bottom, following bevel of hip. Beveled closures must be special ordered and require a two week lead time.
3. Install hip flashing to panel at each major rib with Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek). Hip flashing should overlap outside closures ½"-1".
4. Trim laps should overlap approximately 3" with a bead of urethane sealant in between. Install a sufficient amount of Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek) to hold lap together.

AMERICAN BUILDING COMPONENTS

PBR/PBU DETAILS

TYPICAL DETAILS
Valley



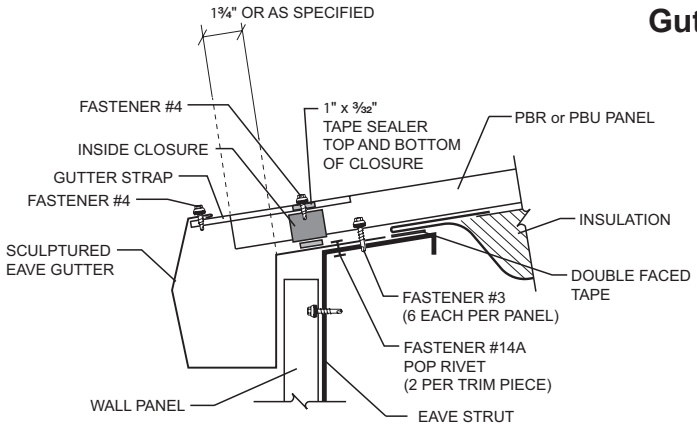


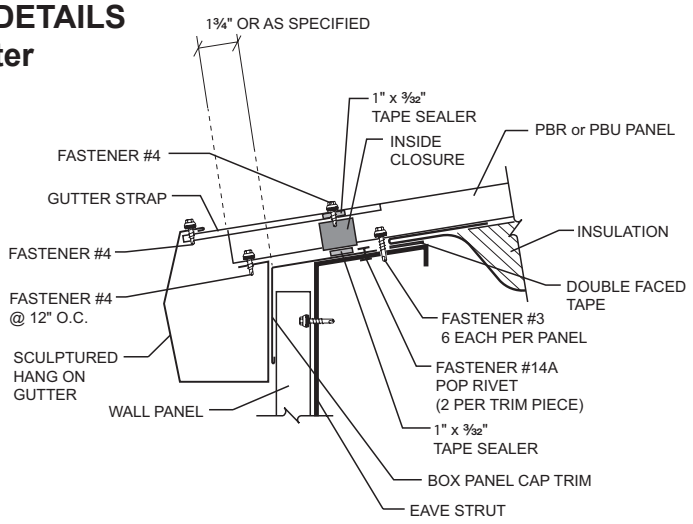
NOTES:

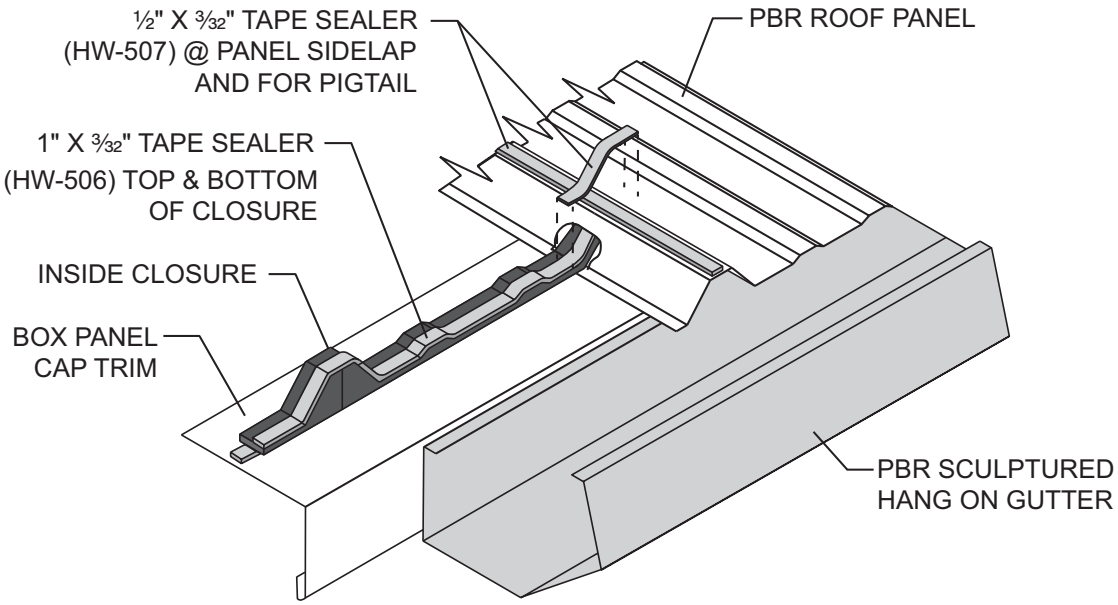
1. For valleys 30' or less in length, use standard valley trim. Valleys over 30' in length require extended valley trim.
2. Apply triple bead tape sealer to valley trim parallel to the slope of the valley. Lower edge of tape sealer should be 4½" from center of valley for standard valleys and 9" from the center of the valley for extended valleys.
3. Install high rib section of inside closure that has been field cut from standard 3'-0" straight closure. Place the cut closure square with the rib of the panel. Install 1" x 3⁄32" tape sealer to top of inside closure prior to laying panel edge down on top of the cut closure. The triple bead tape with proper fastener sequence will seal the minor ribs of the panel that are between the major ribs.
4. Bevel cut PBR or PBU panels to fit slope of valley and install to valley with Fastener #3 (12-14 X 1¼" Long Life driller) at 4" on center. Fasteners must be installed through the triple bead tape sealer.
5. Trim laps should overlap approximately 6" with a bead of urethane sealant in between. Do not rivet valley laps together. If laps gap open, install Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek) into each side of water diverter while holding lap tightly together.

PBR/PBU DETAILS

TYPICAL DETAILS
Gutter







NOTES:

Eave Gutter

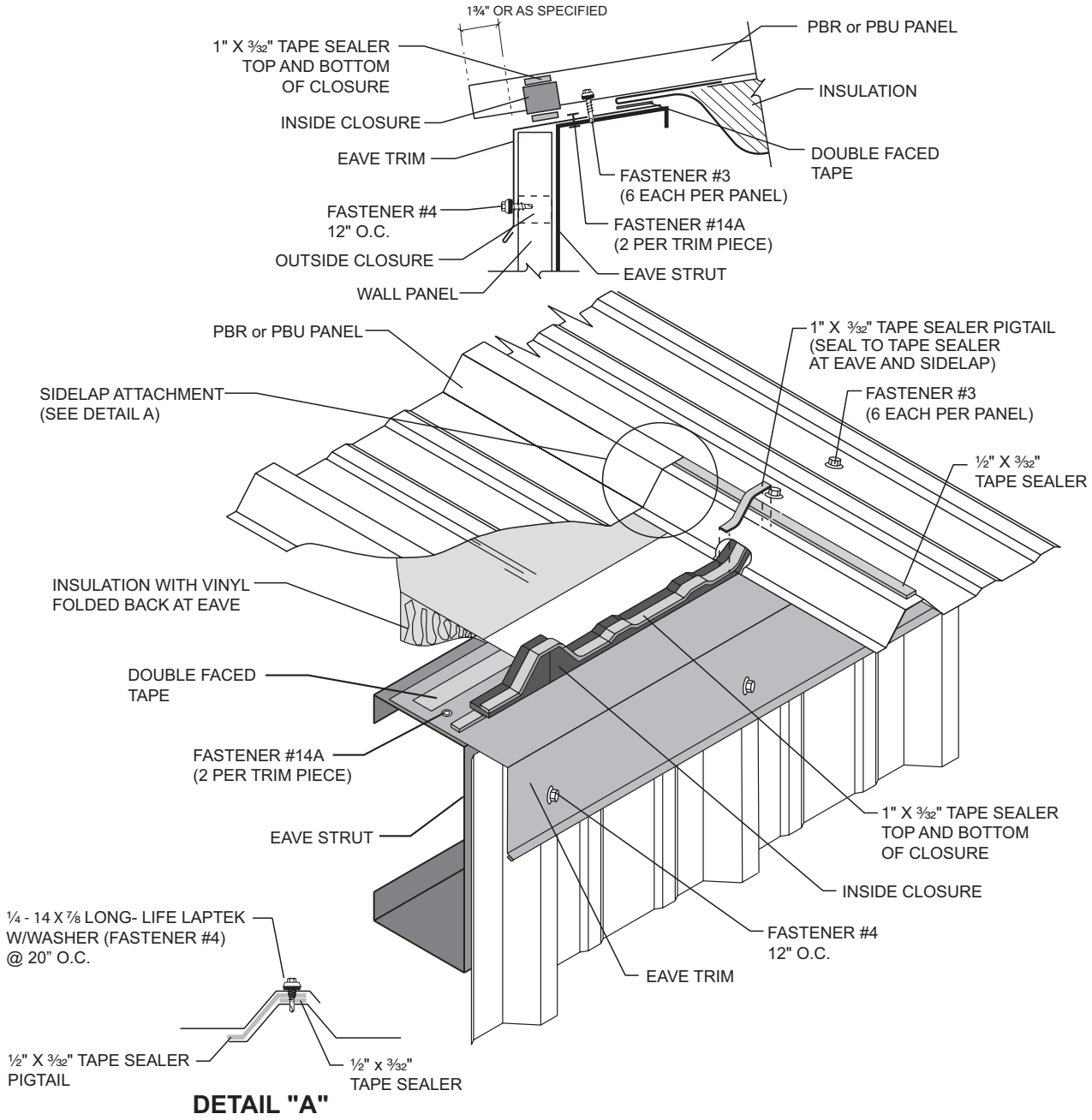
1. Attach gutter to eave strut with two Fastener #14A pop rivets per section.
2. Install inside closures to top leg of gutter with 1" x 3⁄32" tape sealer top and bottom.
3. Install PBR or PBU panel with Fastener #3 (12-14 X 1¼" Long Life driller) on each side of major ribs (two fasteners per foot). Fasteners must be installed up slope from inside closures.
4. Gutter laps should be approximately 3" with a bead of urethane sealant in between. Install a sufficient amount of pop rivets to hold lap together.
5. Install gutter straps 3'-0" on center with Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek) fasteners at each end.

Hang-on Gutter

1. Attach Box Panel Cap Trim to top of eave strut with pop rivet #14A (two per 10'-0" section).
2. Install inside closure on top of Box Panel Cap Trim with 1" x 3⁄32" tape sealer top and bottom of closure.
3. Install PBR or PBU panels with Fastener #3 (12-14 X 1¼" Long Life driller)on each side of the major ribs (two fasteners per foot). Fasteners must be installed up slope from inside closures.
4. Attach gutter to roof panels with Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek) at 12" O.C.
5. Gutter laps should be approximately 3" with a bead of urethane sealant in between. Install a sufficient amount of Fastener #14 (pop rivets) to hold lap together.
6. Install gutter straps 3'-0" on center with Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek) at each end.

PBR/PBU DETAILS

TYPICAL DETAILS
Eave Trim



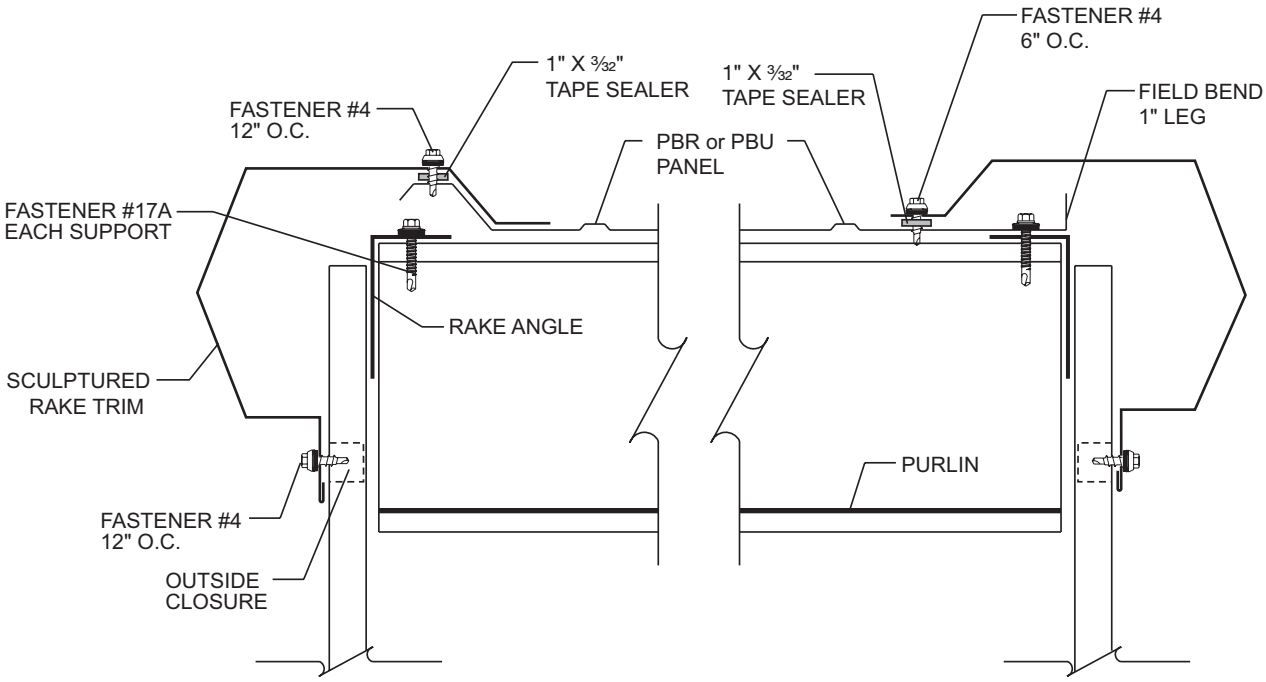
DETAIL "A"

NOTES:

1. Install eave trim to structure with two pop rivets per section.
2. Install inside closures along top leg of eave trim with 1" x 3/32" tape sealer top and bottom.
3. Install PBR or PBU panel with Fastener #3 (12-14 X 1¼" Long Life driller) on each side of major ribs (2 fasteners per foot) allowing panel to overhang 1¾" plus wall thickness. Fasteners must be installed up slope from inside closures.
4. Attach front face of eave trim to wall with fasteners or cleat as required for wall substrate.
5. Trim laps should overlap approximately 3" with a bead of urethane sealant in between. Install a sufficient amount of Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek) to hold lap together.

PBR/PBU DETAILS

TYPICAL DETAILS
Rake



BEGINNING ON MODULE

FINISHING OFF MODULE

NOTES:

Beginning on Module

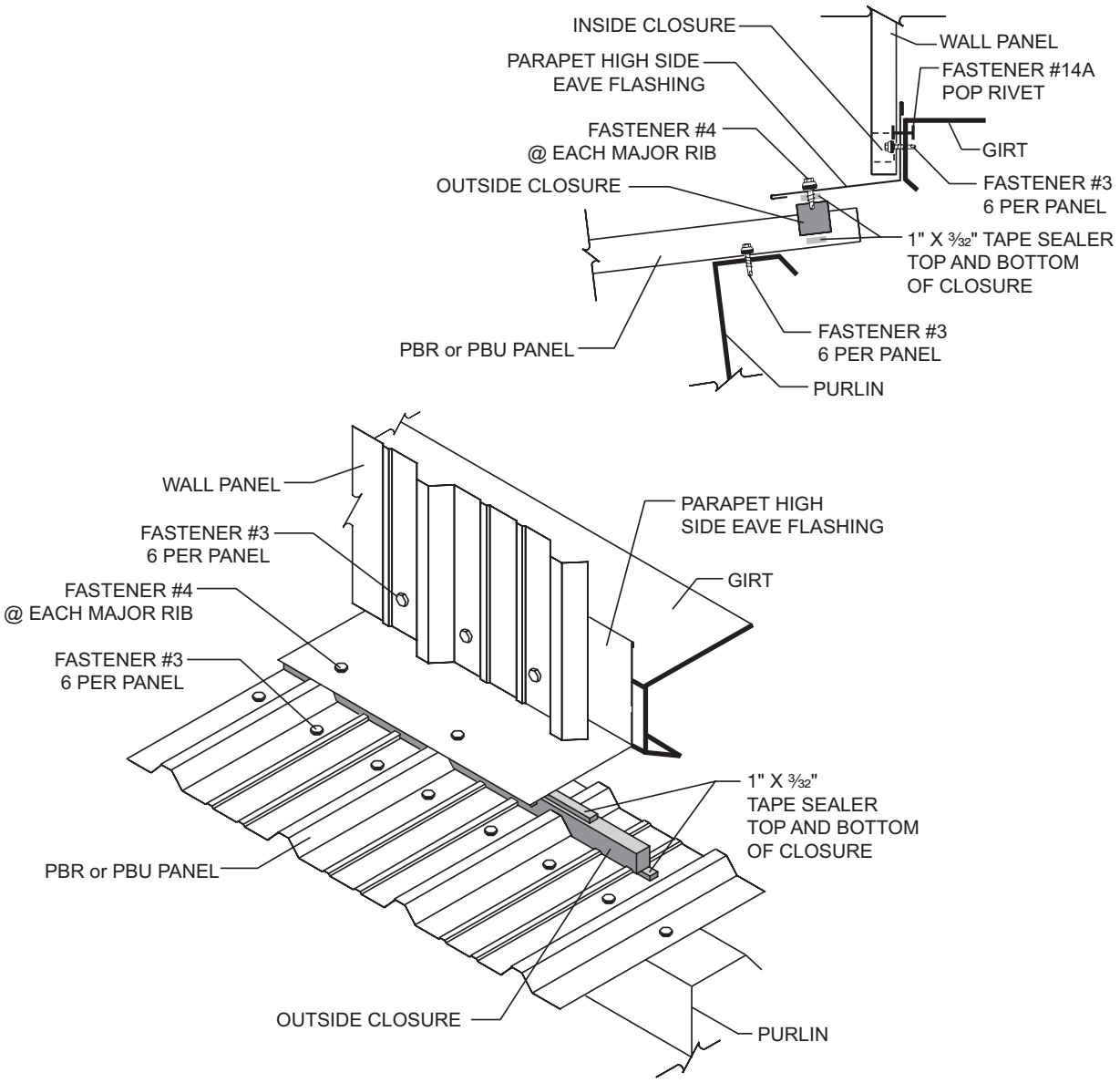
1. Install 1" x 3⁄32" tape sealer to top of PBR or PBU panel rib.
2. Install rake trim to PBR or PBU panel rib with Fastener #4 (¼"-14 X ⅞" Long Life Lap Teks) at 1'-0" on center.
3. Attach front face of rake trim to wall with fasteners or cleat as required for wall substrate.
4. Trim laps should overlap approximately 3" with a bead of urethane sealant in between. Install a sufficient amount of Fastener #14 pop rivets to hold lap together.

Finishing off Module

1. Cut and bend a 1" leg on PBR or PBU Panel.
2. Install 1" x 3⁄32" tape sealer to top of PBR or PBU panel.
3. Install rake trim to PBR or PBU panel with Fastener #4 (¼"-14 X ⅞" Long Life Lap Teks) at 6" on center.
4. Attach front face of rake trim to wall with fasteners or cleat as required for wall substrate.
5. Trim laps should overlap approximately 3" with a bead of urethane sealant in between. Install a sufficient amount of Fastener #14 pop rivets to hold lap together.

PBR/PBU DETAILS

TYPICAL DETAILS
Parapet High Side Eave

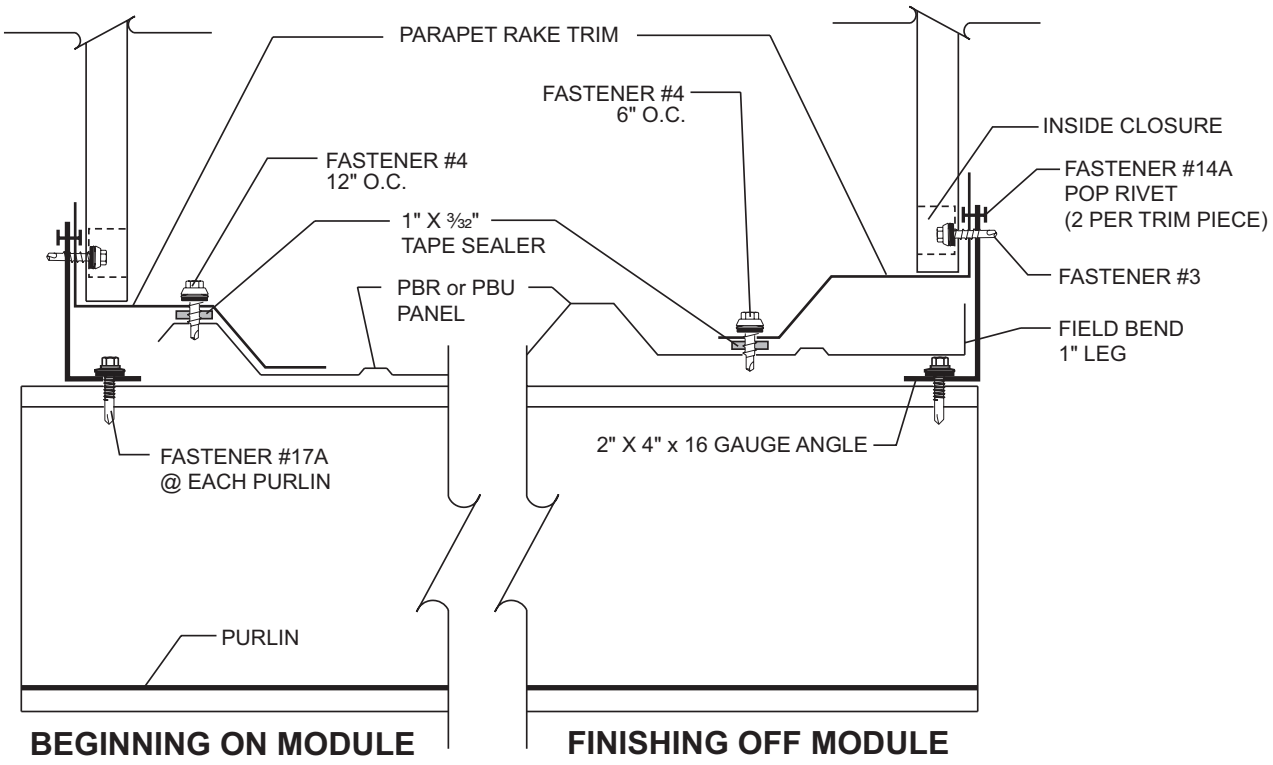


NOTES:

1. Install outside closure, with 1" x 3/32" tape sealer top and bottom, across width of PBR or PBU panels.
2. Install parapet high side trim to PBR or PBU panels at each major rib with Fastener #4 (¼"-14 X ⅞" Long Life Lap Teks). Trim should overhang outside closures ½" - 1".
3. Attach top leg of parapet high side trim to wall with fasteners as required for wall substrate.
4. Trim laps should overlap approximately 3" with a bead of urethane sealant in between. Install a sufficient amount of Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek) to hold lap together.

PBR/PBU DETAILS

TYPICAL DETAILS
Parapet Rake



NOTES:

Beginning on Module

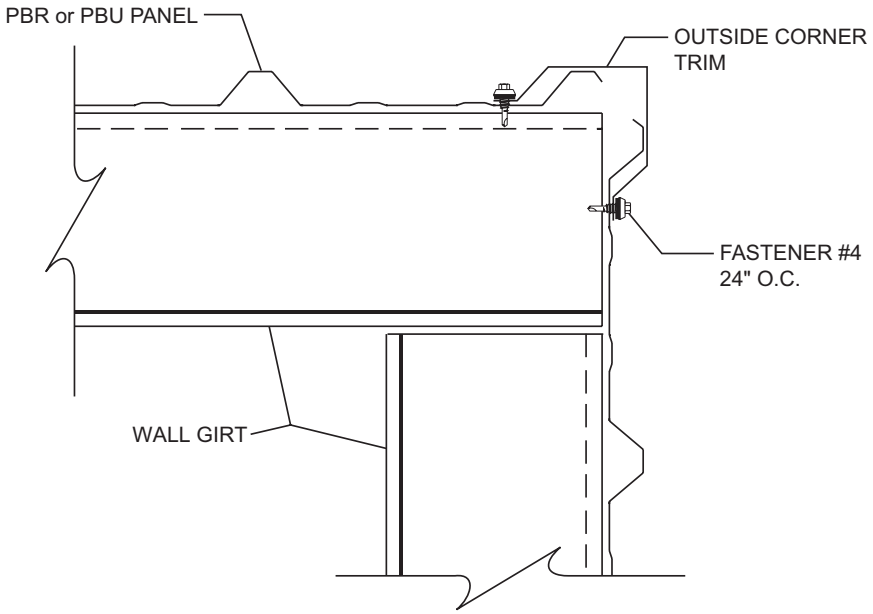
1. Install 1" x 3/32" tape sealer to top of PBR or PBU panel rib.
2. Install parapet rake trim to PBR or PBU panel rib with Fastener #4 (¼"-14 X ⅞" Long Life Lap Teks) at 1'-0" on center.
3. Attach top leg of parapet rake trim to 2" X 4" angle with Fastener #14A pop rivet. Elevate horizontal leg of parapet trim slightly, to provide for positive drainage of water.
4. Trim laps should overlap approximately 3" with a bead of urethane sealant in between. Install a sufficient amount of Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek) to hold lap together.

Finishing off Module

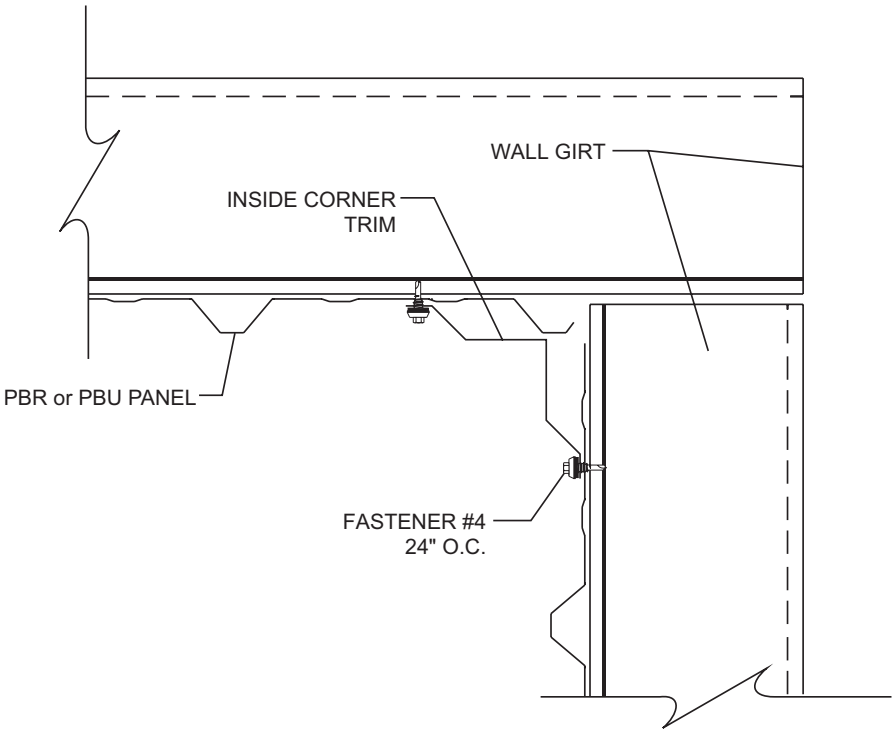
1. Cut and bend a 1" leg on PBR or PBU Panel.
2. Install 1" x 3/32" tape sealer to top of PBR or PBU panel.
3. Install parapet rake trim to PBR or PBU panel with Fastener #4 (¼"-14 X ⅞" Long Life Lap Teks) at 6" on center.
4. Attach top leg of parapet rake trim to 2" X 4" angle with pop rivets. Elevate horizontal leg of parapet trim slightly, to provide for positive drainage of water.
5. Trim laps should overlap approximately 3" with a bead of urethane sealant in between. Install a sufficient amount of Fastener #4 (¼"-14 X ⅞" Long Life Lap Tek) to hold lap together.

PBR/PBU DETAILS

TYPICAL DETAILS
Corner



OUTSIDE CORNER DETAIL



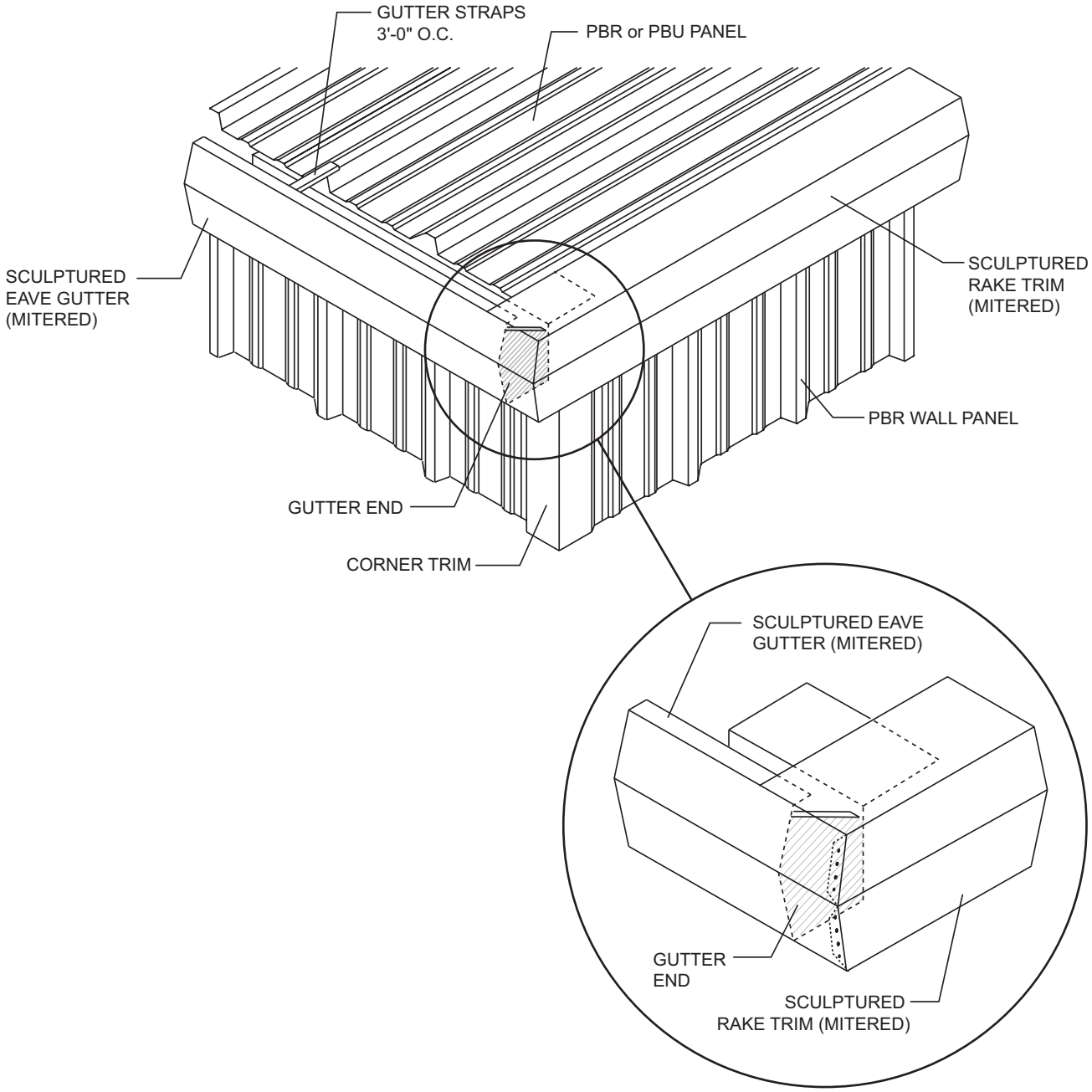
INSIDE CORNER DETAIL

NOTES:

1. Install corner trim with Fastener #4 (¼ - 14 X ⅞" Long Life Lap Tek) at 2'-0" O.C.

PBR/PBU DETAILS

TYPICAL DETAILS
Corner Box



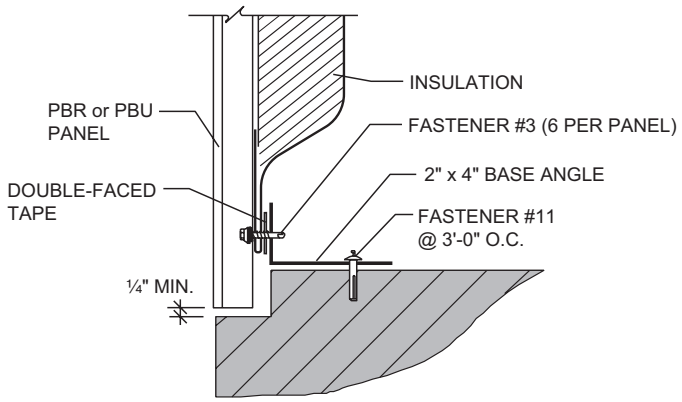
NOTES:

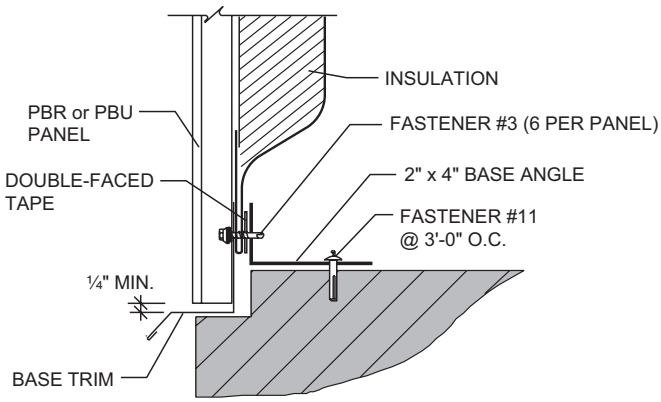
1. Gutter and rake trim must be ordered with a left and right mitered end. To determine left or right, stand on ground and look toward eave. **Roof slope must also be specified.**

AMERICAN BUILDING COMPONENTS

PBR/PBU DETAILS

TYPICAL DETAILS
Base

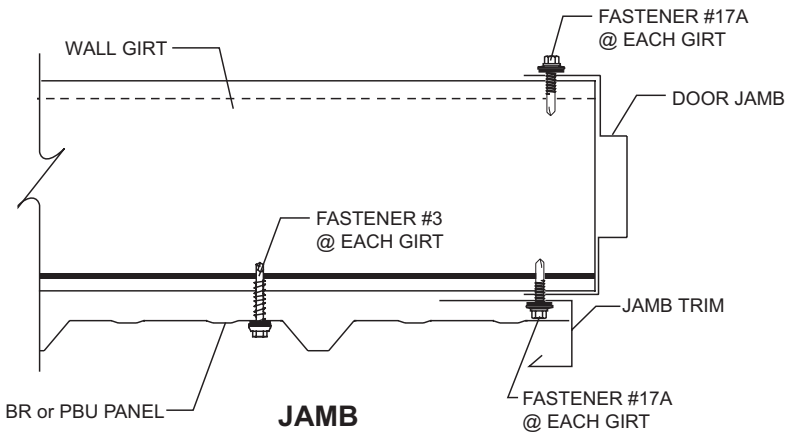




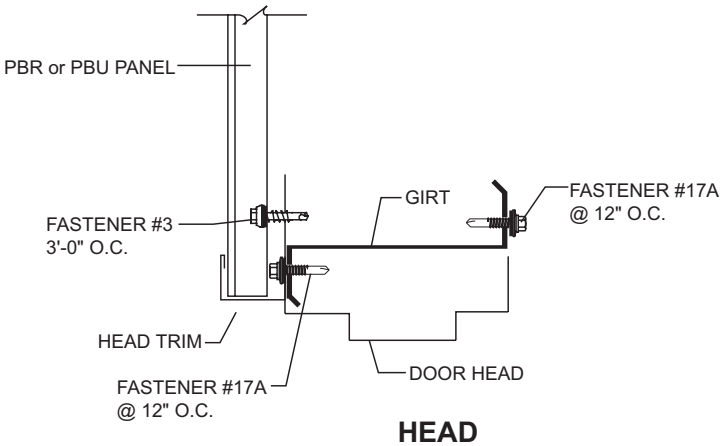
NOTES:

1. Wall with vinyl insulation, pull back fiberglass approximately 4" pull over end and staple. Apply double face tape to base angle and stick insulation to it before applying panel and fastening with Fastener #3 (¼ - 14 x 1¼" Long Life Driller), six each per panel.
2. Should base trim be desired, temporarily attach trim to base angle with two Fastener #14 pop rivets until panels are installed.

TYPICAL DETAILS
Head Jamb



JAMB



HEAD

NOTES:

1. Install Jamb and Head Trim with pop rivets as required to support flashing during panel installation.

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