



29 Gauge

Technical/Installation Information

IMPORTANT NOTICE

READ THIS MANUAL COMPLETELY PRIOR TO BEGINNING THE INSTALLATION OF THE 29 GAUGE LOW PROFILE PANELS. THE MANUFACTURER DETAILS MUST BE FOLLOWED AS A MINIMUM TO INSURE APPROPRIATE WARRANTIES WILL BE ISSUED.

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 INSTALLATION DRAWINGS PROVIDED OR APPROVED BY THE MANUFACTURER AND DETAILS IN THIS MANUAL, PROJECT INSTALLATION DRAWINGS WILL TAKE PRECEDENCE.

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.

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, ABC reserves the right to discontinue products at any time or change specifications and/or designs without incurring obligations. To ensure you have the latest information available, please inquire or visit our website at abcmetalroofing.com. Application details are for illustration purposes only and 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.

For complete performance specifications, product limitations, and disclaimers, please consult ABC's Paint and Galvalume Plus® warranties. Upon receipt of payment in full, these warranties are available upon request for all painted or Galvalume Plus® prime products. Sample copies can be found at abcmetalroofing.com or contact your local ABC Sales Representative.

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PRODUCT INFORMATION

PANEL PRICING:

1. All 36" coverage panels are based on 38" sheet widths. All 24" coverage panels are based on 26" sheet widths.
(Coverage width +/- 1/8" tolerance.
2. Add \$1.05 per sheet for lengths 4' - 0" and under.
3. Sheets may be ordered in 1/2" increments.

NOTE: Panels are cut and billed to the inch. Length tolerance is +/- 1/8".

PACKAGING COST:

1. Maximum 3,000 pounds or 75 panels per bundle.
2. Block and band only\$10.00
3. Block and band, waterproof paper wrap\$1.40/Linear foot
4. Block and band, waster sheet top only\$1.60/Linear foot
5. Block and band, waster sheet top and bottom..... \$2.80/Linear foot
6. LTL Package - block and band, waster sheet top and bottom, angle board sides and ends..... \$3.50/Linear foot
7. Export Package - block and band, waster sheet top and bottom, steel and wood boxed Special Order Only

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 1/2 hrs., charged in 1/2 hr. increments) \$90.00 per hour.
3. Minimum charge for deliveries under \$250.00 in value\$50.00.
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.

PRODUCT INFORMATION

APPLICATION, STORAGE AND HANDLING 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.

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.

The substructure, on which the panels are to be installed, must be "on plane" (1/4" tolerance) from eave to edge. Maximum recommended panel length is 36'; minimum panel length is 3'.

PRODUCT INFORMATION

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.

ROOFING INSTALLATION

THE MINIMUM roof slope recommended is 3 inches of rise per foot. 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.

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.

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

CONDENSATION CONTROL WITH DRIPSTOP

When the temperature and humidity conditions reach the dew point, moisture can condense on the underside of metal roofing. This condensation has the potential to cause water damage and other problems inside your building.

PROTECT YOUR ASSETS

ABC Metal Roofing now offers an internationally patented CCM (Condensation Control Membrane) that can be pre-applied to our industry leading MasterRib metal panel. This innovative product works by creating a medium for trapping moisture in the specially designed pockets formed within the felt's membrane. Holding moisture until conditions go back below the dew point, **Drip Stop** is then able to release the moisture back into the air in the form of normal humidity.



- Money saving (up to 25% versus traditional solutions)
- Durability (Isn't susceptible to ripping, tearing or deterioration like standard insulation and vapor barriers)
- Easy to clean (with hose or pressure washers)
- Time saving (no need to roll a vapor barrier over the purlins, then seal and rollout insulation on top of that)
- Easy handling Approved for use in animal confinement
- UL 723 Approved for flame spread and smoke generation for insurance
- 20 year adhesion warranty
- Reduces exterior noise

FOR ALL POINTS OF EXPOSURE TO OUTSIDE ENVIRONMENT, THE PANELS AND/OR TRIM SHOULD BE PREPARED AS NOTED BELOW:

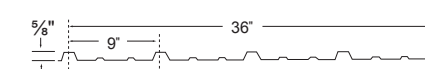
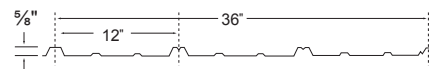
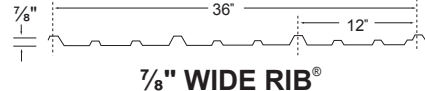
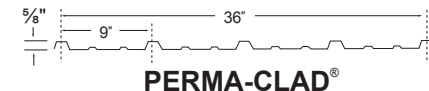
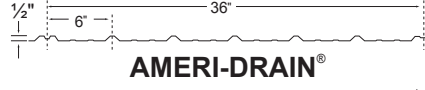
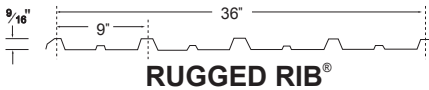
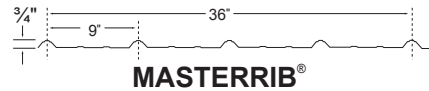
IMPORTANT INSTALLATION INSTRUCTIONS:

- Panel overhang at eave - panel overhang + 1"
- Panel end laps - length of lap minus ¼"
- Eave, rake and ridge trim laps - length of lap minus ¼"

1. Lay panels or trim with Drip Stop Condensation Control material facing up.
2. Using a heat gun, move the gun along the exposed end lap or eave portion or trim of the end lap, heating/fusing the fibers of the Drip Stop.
 - Hold the heat gun approximately 1" away from the Drip Stop material.
 - Keep the heat gun in constant motion to avoid overheating one spot, potentially damaging the panel's finish on the exterior side.
 - Do not completely melt the Drip Stop material.
 - Do not extend fusing past the lap area of the panel or trim.
3. Allow panels/trim to cool.
4. Install panels/trim as normal.

Failure to properly prepare panels and/or trim may result in the Drip Stop material attracting water from outside, resulting in possible leaks, mold and/or mildew —ultimately voiding your panel warranty.

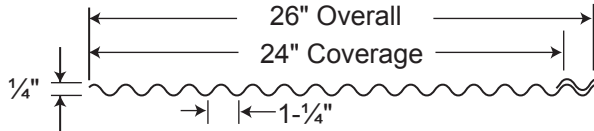
PRODUCT INFORMATION



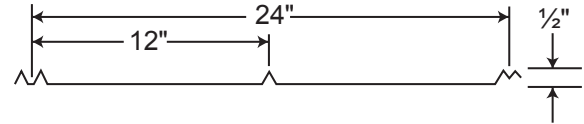
NUMBER OF SQUARE FEET PER PANEL

	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
1 FT.	3.17	3.43	3.69	3.96	4.22	4.49	4.75	5.01	5.28	5.54	5.81	6.07
2 FT.	6.33	6.60	6.86	7.12	7.39	7.65	7.92	8.18	8.44	8.71	8.97	9.24
3 FT.	9.50	9.76	10.03	10.29	10.56	10.82	11.08	11.35	11.61	11.87	12.14	12.40
4 FT.	12.67	12.93	13.19	13.46	13.72	13.99	14.25	14.51	14.78	15.04	15.31	15.57
5 FT.	15.83	16.10	16.36	16.62	16.89	17.15	17.42	17.68	17.94	18.21	18.47	18.74
6 FT.	19.00	19.26	19.53	19.79	20.06	20.32	20.58	20.85	21.11	21.37	21.64	21.90
7 FT.	22.17	22.43	22.69	22.96	23.22	23.49	23.75	24.01	24.28	24.54	24.81	25.07
8 FT.	25.33	25.60	25.86	26.12	26.39	26.65	26.92	27.18	27.44	27.71	27.97	28.24
9 FT.	28.50	28.76	29.03	29.29	29.56	29.82	30.08	30.35	30.61	30.87	31.14	31.40
10 FT.	31.67	31.93	32.19	32.46	32.72	32.99	33.25	33.51	33.78	34.04	34.31	34.57
11 FT.	34.83	35.10	35.36	35.62	35.89	36.15	36.42	36.68	36.94	37.21	37.47	37.74
12 FT.	38.00	38.26	38.53	38.79	39.06	39.32	39.58	39.85	40.11	40.37	40.64	40.90
13 FT.	41.17	41.43	41.69	41.96	42.22	42.49	42.75	43.01	43.28	43.54	43.81	44.07
14 FT.	44.33	44.60	44.86	45.12	45.39	45.65	45.92	46.18	46.44	46.71	46.97	47.24
15 FT.	47.50	47.76	48.03	48.29	48.56	48.82	49.08	49.35	49.61	49.87	50.14	50.40
16 FT.	50.67	50.93	51.19	51.46	51.72	51.99	52.25	52.51	52.78	53.04	53.31	53.57
17 FT.	53.83	54.10	54.36	54.62	54.89	55.15	55.42	55.68	55.94	56.21	56.47	56.74
18 FT.	57.00	57.26	57.53	57.79	58.06	58.32	58.58	58.85	59.11	59.37	59.64	59.90
19 FT.	60.17	60.43	60.69	60.96	61.22	61.49	61.75	62.01	62.28	62.54	62.81	63.07
20 FT.	63.33	63.60	63.86	64.12	64.39	64.65	64.92	65.18	65.44	65.71	65.97	66.24
21 FT.	66.50	66.76	67.03	67.29	67.56	67.82	68.08	68.35	68.61	68.87	69.14	69.40
22 FT.	69.67	69.93	70.19	70.46	70.72	70.99	71.25	71.51	71.78	72.04	72.31	72.57
23 FT.	72.83	73.10	73.36	73.62	73.89	74.15	74.42	74.68	74.94	75.21	75.47	75.74
24 FT.	76.00	76.26	76.53	76.79	77.06	77.32	77.58	77.85	78.11	78.37	78.64	78.90
25 FT.	79.17	79.43	79.69	79.96	80.22	80.49	80.75	81.01	81.28	81.54	81.81	82.07
26 FT.	82.33	82.60	82.86	83.12	83.39	83.65	83.92	84.18	84.44	84.71	84.97	85.24
27 FT.	85.50	85.76	86.03	86.29	86.56	86.82	87.08	87.35	87.61	87.87	88.14	88.40
28 FT.	88.67	88.93	89.19	89.46	89.72	89.99	90.25	90.51	90.78	91.04	91.31	91.57
29 FT.	91.83	92.10	92.36	92.62	92.89	93.15	93.42	93.68	93.94	94.21	94.47	94.74
30 FT.	95.00	95.26	95.53	95.79	96.06	96.32	96.58	96.85	97.11	97.37	97.64	97.90
31 FT.	98.17	98.43	98.69	98.96	99.22	99.49	99.75	100.01	100.28	100.54	100.81	101.07
32 FT.	101.33	101.60	101.86	102.12	102.39	102.65	102.92	103.18	103.44	103.71	103.99	104.24
33 FT.	104.50	104.76	105.03	105.29	105.56	105.82	106.08	106.35	106.61	106.87	107.14	107.40
34 FT.	107.67	107.93	108.19	108.46	108.72	108.99	109.25	109.51	109.78	110.04	110.31	110.57
35 FT.	110.83	111.10	111.36	111.62	111.89	112.15	112.42	112.68	112.94	113.21	113.47	113.74
36 FT.	114.00	114.26	114.53	114.79	115.06	115.32	115.58	115.85	116.11	116.37	116.64	116.90
37 FT.	117.17	117.43	117.69	117.96	118.22	118.49	118.75	119.01	119.28	119.54	119.81	120.07
38 FT.	120.33	120.60	120.86	121.12	121.39	121.65	121.92	122.18	122.44	122.71	122.97	123.24
39 FT.	123.50	123.76	124.03	124.29	124.56	124.82	125.08	125.35	125.61	125.87	126.14	126.40
40 FT.	126.67	126.93	127.19	127.46	127.72	127.99	128.25	128.51	128.78	129.04	129.31	129.57

PRODUCT INFORMATION



1-1/4" CORRUGATED
(Not recommended for roofing)



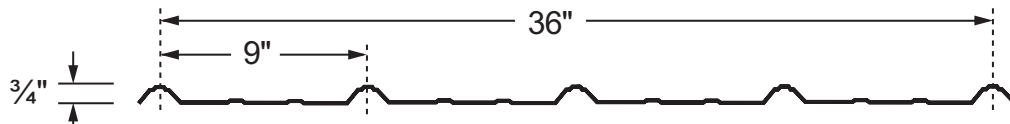
5V CRIMP

NUMBER OF SQUARE FEET PER PANEL

	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
1 FT.	2.17	2.35	2.53	2.71	2.89	3.07	3.26	3.44	3.62	3.80	3.98	4.16
2 FT.	4.34	4.52	4.70	4.88	5.06	5.24	5.43	5.61	5.79	5.97	6.15	6.33
3 FT.	6.51	6.69	6.87	7.05	7.23	7.41	7.60	7.78	7.96	8.14	8.32	8.50
4 FT.	8.68	8.86	9.04	9.22	9.40	9.58	9.77	9.95	10.13	10.31	10.49	10.67
5 FT.	10.85	11.03	11.21	11.39	11.57	11.75	11.94	12.12	12.30	12.48	12.66	12.84
6 FT.	13.02	13.20	13.38	13.56	13.74	13.92	14.11	14.29	14.47	14.65	14.83	15.01
7 FT.	15.19	15.37	15.55	15.73	15.91	16.09	16.28	16.46	16.64	16.82	17.00	17.18
8 FT.	17.36	17.54	17.72	17.90	18.08	18.26	18.45	18.63	18.81	18.99	19.17	19.35
9 FT.	19.53	19.71	19.89	20.07	20.25	20.43	20.62	20.80	20.98	21.16	21.34	21.52
10 FT.	21.70	21.88	22.06	22.24	22.42	22.60	22.79	22.97	23.15	23.33	23.51	23.69
11 FT.	23.87	24.05	24.23	24.41	24.59	24.77	24.96	25.14	25.32	25.50	25.68	25.86
12 FT.	26.04	26.22	26.40	26.58	26.76	26.94	27.13	27.31	27.49	27.67	27.85	28.03
13 FT.	28.21	28.39	28.57	28.75	28.93	29.11	29.30	29.48	29.66	29.84	30.02	30.20
14 FT.	30.38	30.56	30.74	30.92	31.10	31.28	31.47	31.65	31.83	32.01	32.19	32.37
15 FT.	32.55	32.73	32.91	33.09	33.27	33.45	33.64	33.82	34.00	34.18	34.36	34.54
16 FT.	34.72	34.90	35.08	35.26	35.44	35.62	35.81	35.99	36.17	36.35	36.53	36.71
17 FT.	36.89	37.07	37.25	37.43	37.61	37.79	37.98	38.16	38.34	38.52	38.70	38.88
18 FT.	39.06	39.24	39.42	39.60	39.78	39.96	40.15	40.33	40.51	40.69	40.87	41.05
19 FT.	41.23	41.41	41.59	41.77	41.95	42.13	42.32	42.50	42.68	42.86	43.04	43.22
20 FT.	43.40	43.58	43.76	43.94	44.12	44.30	44.49	44.67	44.85	45.03	45.21	45.39
21 FT.	45.57	45.75	45.93	46.11	46.29	46.47	46.66	46.84	47.02	47.20	47.38	47.56
22 FT.	47.74	47.92	48.10	48.28	48.46	48.64	48.83	49.00	49.19	49.37	49.55	49.73
23 FT.	49.91	50.09	50.27	50.45	50.63	50.81	51.00	51.18	51.36	51.54	51.72	51.90
24 FT.	52.08	52.26	52.44	52.62	52.80	52.98	53.17	53.35	53.53	53.71	53.89	54.07
25 FT.	54.25	54.43	54.61	54.79	54.97	55.15	55.34	55.52	55.70	55.88	56.06	56.24
26 FT.	56.42	56.60	56.78	56.96	57.14	57.32	57.51	57.69	57.87	58.05	58.23	58.41
27 FT.	58.59	58.77	58.95	59.13	59.31	59.49	59.68	59.86	60.04	60.22	60.40	60.58
28 FT.	60.76	60.94	61.12	61.30	61.48	61.66	61.85	62.03	62.21	62.39	62.57	62.75
29 FT.	62.93	63.11	63.29	63.47	63.65	63.83	64.02	64.20	64.38	64.56	64.74	64.92
30 FT.	65.10	65.28	65.46	65.64	65.82	66.00	66.19	66.37	66.55	66.73	66.91	67.09
31 FT.	67.27	67.45	67.63	67.81	67.99	68.17	68.36	68.54	68.72	68.90	69.08	69.26
32 FT.	69.44	69.62	69.80	69.98	70.16	70.34	70.53	70.71	70.89	71.07	71.25	71.43
33 FT.	71.61	71.79	71.97	72.15	72.33	72.51	72.70	72.88	73.06	73.24	73.42	73.60
34 FT.	73.78	73.96	74.14	74.32	74.50	74.68	74.87	75.05	75.23	75.41	75.59	75.77
35 FT.	75.95	76.13	76.31	76.49	76.67	76.85	77.04	77.22	77.40	77.58	77.76	77.94
36 FT.	78.12	78.30	78.48	78.66	78.84	79.02	79.21	79.39	79.57	79.75	79.93	80.11
37 FT.	80.29	80.47	80.65	80.83	81.01	81.19	81.38	81.56	81.74	81.92	82.10	82.28
38 FT.	82.46	82.64	82.82	83.00	83.18	83.36	83.55	83.73	83.91	84.09	84.27	84.45
39 FT.	84.63	84.81	84.99	85.17	85.35	85.53	85.72	85.90	86.08	86.26	86.44	86.62
40 FT.	86.80	86.98	87.16	87.34	87.52	87.70	87.89	88.07	88.25	88.43	88.61	88.79

PRODUCT INFORMATION

MASTERRIB® 36" Coverage



Panel Section Properties											
Panel Gauge	Fy (Ksi)	Weight (Psf)	Va (Kips/Ft)	Pa,end (Kips/Ft)	Pa,int (Kips/Ft)	Negative Bending			Positive Bending		
						I _{xe} (In. ⁴ /Ft.)	S _{xe} (In. ³ /Ft.)	Maxo (Kip-In./Ft.)	I _{xe} (In. ⁴ /Ft.)	S _{xe} (In. ³ /Ft.)	Maxo (Kip-In./Ft.)
29	60 *	0.63	0.361	0.139	0.191	0.0042	0.0115	0.459	0.0079	0.0138	0.596
26	60 *	0.82	0.494	0.249	0.352	0.0061	0.0162	0.664	0.0110	0.0193	0.854

* Panels are made from 80 ksi yield material. Flexural effective yield strengths vary by direction of bending. Shear and web crippling capacities have been determined using an effective yield strength of 60 ksi.

NOTES:

1. All calculations for the properties of MasterRib® panels are calculated in accordance with the 2012 S100 AISI "North American Specification for the Design of Cold-formed Steel Structural Members".
2. Va = allowable transverse shear per foot of panel width.
3. Pa,end = allowable web crippling load at the panel end support per foot of panel width.
4. Pa,int = allowable web crippling load at interior panel supports per foot of panel width.
5. I_{xe} = effective moment of inertia per foot of panel width at nominal moment capacity.
6. S_{xe} = effective section modulus per foot of panel width at nominal moment capacity.
7. Maxo = allowable bending moment based on initiation of yielding.

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

MASTERRIB®

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge thickness								
Span Type	Load Type	Support Spacing						
		2 Ft.	2.5 Ft.	3 Ft.	3.5 Ft.	4 Ft.	4.5 Ft.	5 Ft.
1-span	NEGATIVE WIND LOAD	89.63	57.36	39.83	29.27	22.41	17.70	14.34
	LIVE LOAD/DEFLECTION - L/60	86.43	63.01	43.76	32.15	24.61	19.45	15.75
	LIVE LOAD/DEFLECTION - L/180	86.43	55.19	31.94	20.11	13.47	9.46	6.90
	LIVE LOAD/DEFLECTION - L/240	80.84	41.39	23.95	15.08	10.11	7.10	5.17
2-span	NEGATIVE WIND LOAD	87.64	58.31	41.41	30.86	23.85	18.96	15.43
	LIVE LOAD/DEFLECTION - L/60	53.12	42.49	35.41	28.28	21.82	17.34	14.10
	LIVE LOAD/DEFLECTION - L/180	53.12	42.49	35.41	28.28	21.82	17.34	14.10
	LIVE LOAD/DEFLECTION - L/240	53.12	42.49	35.41	28.28	21.82	17.34	14.10
3-span	NEGATIVE WIND LOAD	104.87	70.69	50.62	37.92	29.41	23.45	19.12
	LIVE LOAD/DEFLECTION - L/60	60.36	48.29	40.24	34.49	26.97	21.48	17.49
	LIVE LOAD/DEFLECTION - L/180	60.36	48.29	40.24	34.49	26.97	21.48	16.16
	LIVE LOAD/DEFLECTION - L/240	60.36	48.29	40.24	34.49	23.67	16.63	12.12
4-span	NEGATIVE WIND LOAD	99.36	66.68	47.61	35.60	27.58	21.97	17.90
	LIVE LOAD/DEFLECTION - L/60	58.10	46.48	38.73	32.69	25.28	20.11	16.37
	LIVE LOAD/DEFLECTION - L/180	58.10	46.48	38.73	32.69	25.28	20.11	16.37
	LIVE LOAD/DEFLECTION - L/240	58.10	46.48	38.73	32.69	25.28	17.82	12.99

26 Gauge thickness								
Span Type	Load Type	Support Spacing						
		2 Ft.	2.5 Ft.	3 Ft.	3.5 Ft.	4 Ft.	4.5 Ft.	5 Ft.
1-span	NEGATIVE WIND LOAD	130.57	83.56	58.03	42.63	32.64	25.79	20.89
	LIVE LOAD/DEFLECTION - L/60	156.54	107.62	74.74	54.91	42.04	33.22	26.91
	LIVE LOAD/DEFLECTION - L/180	156.54	87.33	50.54	31.83	21.32	14.97	10.92
	LIVE LOAD/DEFLECTION - L/240	127.92	65.50	37.90	23.87	15.99	11.23	8.19
2-span	NEGATIVE WIND LOAD	156.29	102.57	72.25	53.55	41.24	32.71	26.57
	LIVE LOAD/DEFLECTION - L/60	124.77	81.13	56.84	41.99	32.26	25.55	20.73
	LIVE LOAD/DEFLECTION - L/180	124.77	81.13	56.84	41.99	32.26	25.55	20.73
	LIVE LOAD/DEFLECTION - L/240	124.77	81.13	56.84	41.99	32.26	25.55	20.73
3-span	NEGATIVE WIND LOAD	189.76	125.71	89.04	66.23	51.00	40.30	32.64
	LIVE LOAD/DEFLECTION - L/60	153.07	100.16	70.43	52.14	40.12	31.81	25.83
	LIVE LOAD/DEFLECTION - L/180	153.07	100.16	70.43	52.14	40.12	31.40	22.89
	LIVE LOAD/DEFLECTION - L/240	153.07	100.16	70.43	50.05	33.53	23.55	17.17
4-span	NEGATIVE WIND LOAD	178.91	118.14	83.52	62.04	47.85	38.00	30.89
	LIVE LOAD/DEFLECTION - L/60	143.80	93.89	65.94	48.78	37.51	29.73	24.14
	LIVE LOAD/DEFLECTION - L/180	143.80	93.89	65.94	48.78	37.51	29.73	24.14
	LIVE LOAD/DEFLECTION - L/240	143.80	93.89	65.94	48.78	35.72	25.09	18.29

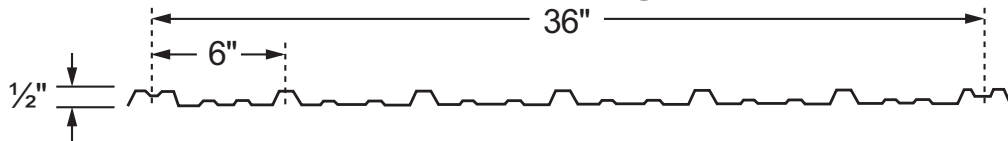
NOTES:

1. Strength calculations are based on the 2012 S100 AISI "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 capacities are for those loads that push the panel against its support. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and the strength-level load deflection limit shown.
4. Capacities for LIVE LOAD/DEFLECTION pressure loading are determined as the smaller of the LIVE LOAD/DEFLECTION - Strength and the required deflection limit values listed.
5. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away the support. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
6. Panel pullover and screw pullout connection capacities need to be checked separately for the particular fasteners employed using tributary area-based connection loads.
7. Effective yield strength has been determined in accordance with section A2.3.3 of the 2012 AISI S100 specification.
8. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
9. 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

AMERI-DRAIN® 36" Coverage



Panel Section Properties											
Panel Gauge	Fy (Ksi)	Weight (Psf)	Va (Kips/Ft)	Pa,end (Kips/Ft)	Pa,int (Kips/Ft)	Negative Bending			Positive Bending		
						I _{xe} (In. ⁴ /Ft.)	S _{xe} (In. ³ /Ft.)	Maxo (Kip-In./Ft.)	I _{xe} (In. ⁴ /Ft.)	S _{xe} (In. ³ /Ft.)	Maxo (Kip-In./Ft.)
29	60 *	0.63	0.453	0.177	0.242	0.0021	0.0084	0.352	0.0039	0.0107	0.511
26	60 *	0.84	0.624	0.316	0.447	0.0030	0.0123	0.528	0.0054	0.0148	0.710

* Panels are made from 80 ksi yield material. Flexural effective yield strengths vary by direction of bending. Shear and web crippling capacities have been determined using an effective yield strength of 60 ksi.

NOTES:

1. All calculations for the properties of Ameri-Drain panels are calculated in accordance with the 2012 S100 AISI "North American Specification for the Design of Cold-formed Steel Structural Members".
2. Va = allowable transverse shear per foot of panel width.
3. Pa,end = allowable web crippling load at the panel end support per foot of panel width.
4. Pa,int = allowable web crippling load at interior panel supports per foot of panel width.
5. I_{xe} = effective moment of inertia per foot of panel width at nominal moment capacity.
6. S_{xe} = effective section modulus per foot of panel width at nominal moment capacity.
7. Maxo = allowable bending moment based on initiation of yielding.

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

AMERI-DRAIN® 36" Coverage

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge thickness								
Span Type	Load Type	Support Spacing						
		2 Ft.	2.5 Ft.	3 Ft.	3.5 Ft.	4 Ft.	4.5 Ft.	5 Ft.
1-span	NEGATIVE WIND LOAD	58.71	37.58	26.09	18.04	12.09	8.49	6.19
	LIVE LOAD/DEFLECTION - L/60	85.23	54.55	37.82	23.82	15.95	11.21	8.17
	LIVE LOAD/DEFLECTION - L/180	42.54	21.78	12.61	7.94	5.32	3.74	2.72
	LIVE LOAD/DEFLECTION - L/240	31.91	16.34	9.45	5.95	3.99	2.80	2.04
2-span	NEGATIVE WIND LOAD	82.97	53.61	37.42	27.58	21.16	16.74	13.58
	LIVE LOAD/DEFLECTION - L/60	57.96	37.26	25.94	19.09	14.63	11.57	9.37
	LIVE LOAD/DEFLECTION - L/180	57.96	37.26	25.94	19.09	13.16	9.24	6.74
	LIVE LOAD/DEFLECTION - L/240	57.96	37.26	23.39	14.73	9.87	6.93	5.05
3-span	NEGATIVE WIND LOAD	91.74	58.71	40.77	29.96	22.93	17.53	12.78
	LIVE LOAD/DEFLECTION - L/60	72.04	46.41	32.35	23.82	18.26	14.44	11.71
	LIVE LOAD/DEFLECTION - L/180	72.04	41.90	24.25	15.27	10.23	7.18	5.24
	LIVE LOAD/DEFLECTION - L/240	61.37	31.42	18.18	11.45	7.67	5.39	3.93
4-span	NEGATIVE WIND LOAD	95.10	60.87	42.27	31.05	23.78	18.61	13.57
	LIVE LOAD/DEFLECTION - L/60	67.37	43.37	30.22	22.24	17.05	13.49	10.93
	LIVE LOAD/DEFLECTION - L/180	67.37	43.37	25.78	16.24	10.88	7.64	5.57
	LIVE LOAD/DEFLECTION - L/240	65.26	33.41	19.34	12.18	8.16	5.73	4.18

26 Gauge thickness								
Span Type	Load Type	Support Spacing						
		2 Ft.	2.5 Ft.	3 Ft.	3.5 Ft.	4 Ft.	4.5 Ft.	5 Ft.
1-span	NEGATIVE WIND LOAD	88.07	56.37	39.14	26.07	17.47	12.27	8.94
	LIVE LOAD/DEFLECTION - L/60	118.25	75.68	52.56	33.21	22.25	15.62	11.39
	LIVE LOAD/DEFLECTION - L/180	59.32	30.37	17.58	11.07	7.42	5.21	3.80
	LIVE LOAD/DEFLECTION - L/240	44.49	22.78	13.18	8.30	5.56	3.91	2.85
2-span	NEGATIVE WIND LOAD	115.07	74.36	51.91	38.26	29.36	23.23	18.84
	LIVE LOAD/DEFLECTION - L/60	86.73	55.81	38.88	28.61	21.93	17.34	14.06
	LIVE LOAD/DEFLECTION - L/180	86.73	55.81	38.88	27.52	18.44	12.95	9.44
	LIVE LOAD/DEFLECTION - L/240	86.73	55.81	32.78	20.64	13.83	9.71	7.08
3-span	NEGATIVE WIND LOAD	137.61	88.07	61.16	44.94	34.40	25.43	18.54
	LIVE LOAD/DEFLECTION - L/60	107.71	69.47	48.45	35.69	27.37	21.65	17.55
	LIVE LOAD/DEFLECTION - L/180	107.71	58.59	33.91	21.35	14.30	10.05	7.32
	LIVE LOAD/DEFLECTION - L/240	85.83	43.94	25.43	16.01	10.73	7.53	5.49
4-span	NEGATIVE WIND LOAD	133.24	86.33	60.36	44.53	34.18	27.06	19.82
	LIVE LOAD/DEFLECTION - L/60	100.76	64.94	45.27	33.33	25.56	20.22	16.39
	LIVE LOAD/DEFLECTION - L/180	100.76	62.36	36.09	22.73	15.22	10.69	7.79
	LIVE LOAD/DEFLECTION - L/240	91.35	46.77	27.07	17.04	11.42	8.02	5.85

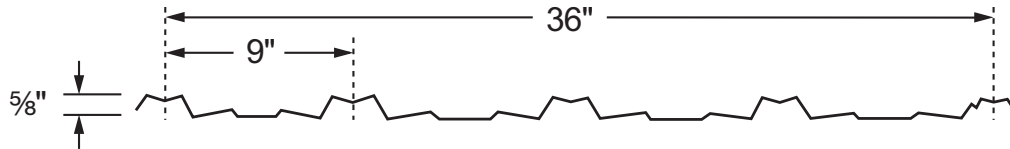
NOTES:

1. Strength calculations are based on the 2012 S100 AISI "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 capacities are for those loads that push the panel against its support. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and the strength-level load deflection limit shown.
4. Capacities for LIVE LOAD/DEFLECTION pressure loading are determined as the smaller of the LIVE LOAD/DEFLECTION - Strength and the required deflection limit values listed.
5. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away the support. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
6. Panel pullover and screw pullout connection capacities need to be checked separately for the particular fasteners employed using tributary area-based connection loads.
7. Effective yield strength has been determined in accordance with section A2.3.3 of the 2012 AISI S100 specification.
8. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
9. This material is subject to change without notice. Please contact ABC for most current data.

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PRODUCT INFORMATION

MONARCH RIB® 36" Coverage



Panel Section Properties											
Panel Gauge	Fy (Ksi)	Weight (Psf)	Va (Kips/Ft)	Pa,end (Kips/Ft)	Pa,int (Kips/Ft)	Negative Bending			Positive Bending		
						Ixe (In. ⁴ /Ft.)	Sxe (In. ³ /Ft.)	Maxo (Kip-In./Ft.)	Ixe (In. ⁴ /Ft.)	Sxe (In. ³ /Ft.)	Maxo (Kip-In./Ft.)
29	60 *	0.63	0.397	0.075	0.184	0.0046	0.0132	0.516	0.0064	0.0141	0.581
26	60 *	0.84	0.546	0.135	0.341	0.0067	0.0199	0.803	0.0097	0.0216	0.918

* Panels are made from 80 ksi yield material. Flexural effective yield strengths vary by direction of bending. Shear and web crippling capacities have been determined using an effective yield strength of 60 ksi.

NOTES:

1. Strength calculations are based on the 2012 S100 AISI "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 capacities are for those loads that push the panel against its support. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and the strength-level load deflection limit shown.
4. Capacities for LIVE LOAD/DEFLECTION pressure loading are determined as the smaller of the LIVE LOAD/DEFLECTION - Strength and the required deflection limit values listed.
5. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away the support. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
6. Panel pullover and screw pullout connection capacities need to be checked separately for the particular fasteners employed using tributary area-based connection loads.
7. Effective yield strength has been determined in accordance with section A2.3.3 of the 2012 AISI S100 specification.
8. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
9. This material is subject to change without notice. Please contact ABC for most current data.

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PRODUCT INFORMATION

MONARCH RIB® 36" Coverage

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge thickness								
Span Type	Load Type	Support Spacing						
		2 Ft.	2.5 Ft.	3 Ft.	3.5 Ft.	4 Ft.	4.5 Ft.	5 Ft.
1-span	NEGATIVE WIND LOAD	86.06	55.08	38.25	28.10	21.51	17.00	13.66
	LIVE LOAD/DEFLECTION - L/60	75.39	60.31	43.01	31.60	24.20	18.40	13.41
	LIVE LOAD/DEFLECTION - L/180	69.86	35.77	20.70	13.04	8.73	6.13	4.47
	LIVE LOAD/DEFLECTION - L/240	52.40	26.83	15.53	9.78	6.55	4.60	3.35
2-span	NEGATIVE WIND LOAD	92.57	60.18	42.15	31.13	23.92	18.94	15.37
	LIVE LOAD/DEFLECTION - L/60	73.78	53.82	37.64	27.77	21.32	16.88	13.69
	LIVE LOAD/DEFLECTION - L/180	73.78	53.82	37.64	27.77	21.32	16.88	13.34
	LIVE LOAD/DEFLECTION - L/240	73.78	53.82	37.64	27.77	19.54	13.73	10.01
3-span	NEGATIVE WIND LOAD	113.61	74.31	52.24	38.67	29.75	23.59	19.15
	LIVE LOAD/DEFLECTION - L/60	83.84	66.63	46.72	34.53	26.54	21.03	17.07
	LIVE LOAD/DEFLECTION - L/180	83.84	66.63	46.62	29.36	19.67	13.81	10.07
	LIVE LOAD/DEFLECTION - L/240	83.84	60.42	34.97	22.02	14.75	10.36	7.55
4-span	NEGATIVE WIND LOAD	106.72	69.65	48.90	36.17	27.82	22.04	17.90
	LIVE LOAD/DEFLECTION - L/60	80.69	62.40	43.71	32.29	24.81	19.65	15.94
	LIVE LOAD/DEFLECTION - L/180	80.69	62.40	43.71	31.58	21.16	14.86	10.83
	LIVE LOAD/DEFLECTION - L/240	80.69	62.40	37.62	23.69	15.87	11.15	8.12

26 Gauge thickness								
Span Type	Load Type	Support Spacing						
		2 Ft.	2.5 Ft.	3 Ft.	3.5 Ft.	4 Ft.	4.5 Ft.	5 Ft.
1-span	NEGATIVE WIND LOAD	133.89	85.69	59.51	43.72	33.47	26.45	20.09
	LIVE LOAD/DEFLECTION - L/60	135.14	97.93	68.01	49.96	38.25	27.87	20.32
	LIVE LOAD/DEFLECTION - L/180	105.81	54.17	31.35	19.74	13.23	9.29	6.77
	LIVE LOAD/DEFLECTION - L/240	79.36	40.63	23.51	14.81	9.92	6.97	5.08
2-span	NEGATIVE WIND LOAD	144.41	94.30	66.22	48.99	37.68	29.87	24.25
	LIVE LOAD/DEFLECTION - L/60	128.01	83.22	58.30	43.06	33.09	26.20	21.26
	LIVE LOAD/DEFLECTION - L/180	128.01	83.22	58.30	43.06	33.09	26.16	19.07
	LIVE LOAD/DEFLECTION - L/240	128.01	83.22	58.30	41.69	27.93	19.62	14.30
3-span	NEGATIVE WIND LOAD	176.33	116.03	81.86	60.73	46.79	37.14	30.18
	LIVE LOAD/DEFLECTION - L/60	154.84	102.76	72.24	53.48	41.15	32.63	26.49
	LIVE LOAD/DEFLECTION - L/180	154.84	102.76	67.56	42.54	28.50	20.02	14.59
	LIVE LOAD/DEFLECTION - L/240	154.84	87.56	50.67	31.91	21.38	15.01	10.94
4-span	NEGATIVE WIND LOAD	165.93	108.89	76.70	56.85	43.78	34.73	28.21
	LIVE LOAD/DEFLECTION - L/60	147.56	96.32	67.63	50.03	38.47	30.49	24.75
	LIVE LOAD/DEFLECTION - L/180	147.56	96.32	67.63	45.54	30.51	21.42	15.62
	LIVE LOAD/DEFLECTION - L/240	147.56	93.71	54.23	34.15	22.88	16.07	11.71

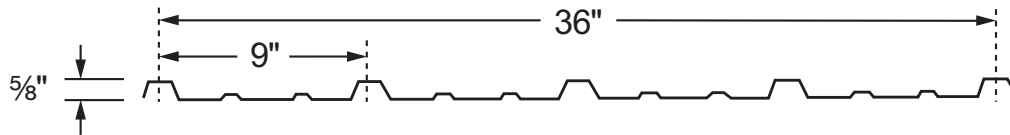
NOTES:

1. Strength calculations are based on the 2012 S100 AISI "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 capacities are for those loads that push the panel against its support. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and the strength-level load deflection limit shown.
4. Capacities for LIVE LOAD/DEFLECTION pressure loading are determined as the smaller of the LIVE LOAD/DEFLECTION - Strength and the required deflection limit values listed.
5. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away the support. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
6. Panel pullover and screw pullout connection capacities need to be checked separately for the particular fasteners employed using tributary area-based connection loads.
7. Effective yield strength has been determined in accordance with section A2.3.3 of the 2012 AISI S100 specification.
8. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
9. 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

PERMA-CLAD® 36" Coverage



Panel Section Properties											
Panel Gauge	Fy (Ksi)	Weight (Psf)	Va (Kips/Ft)	Pa,end (Kips/Ft)	Pa,int (Kips/Ft)	Negative Bending			Positive Bending		
						Ixe (In. ⁴ /Ft.)	Sxe (In. ³ /Ft.)	Maxo (Kip-In./Ft.)	Ixe (In. ⁴ /Ft.)	Sxe (In. ³ /Ft.)	Maxo (Kip-In./Ft.)
29	60 *	0.63	0.398	0.133	0.184	0.0037	0.0120	0.490	0.0061	0.0124	0.543
26	60 *	0.84	0.548	0.239	0.341	0.0055	0.0168	0.702	0.0091	0.0187	0.843

* Panels are made from 80 ksi yield material. Flexural effective yield strengths vary by direction of bending. Shear and web crippling capacities have been determined using an effective yield strength of 60 ksi.

NOTES:

1. All calculations for the properties of Perma-Clad panels are calculated in accordance with the 2012 S100 AISI "North American Specification for the Design of Cold-formed Steel Structural Members".
2. Va = allowable transverse shear per foot of panel width.
3. Pa,end = allowable web crippling load at the panel end support per foot of panel width.
4. Pa,int = allowable web crippling load at interior panel supports per foot of panel width.
5. Ixe = effective moment of inertia per foot of panel width at nominal moment capacity.
6. Sxe = effective section modulus per foot of panel width at nominal moment capacity.
7. Maxo = allowable bending moment based on initiation of yielding.

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PRODUCT INFORMATION

PERMA-CLAD® 36" Coverage

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

29 Gauge thickness								
Span Type	Load Type	Support Spacing						
		2 Ft.	2.5 Ft.	3 Ft.	3.5 Ft.	4 Ft.	4.5 Ft.	5 Ft.
1-span	NEGATIVE WIND LOAD	81.63	52.24	36.28	26.65	20.41	15.41	11.24
	LIVE LOAD/DEFLECTION - L/60	90.48	57.91	40.21	29.54	22.62	17.45	12.72
	LIVE LOAD/DEFLECTION - L/180	66.27	33.93	19.63	12.36	8.28	5.82	4.24
	LIVE LOAD/DEFLECTION - L/240	49.70	25.45	14.73	9.27	6.21	4.36	3.18
2-span	NEGATIVE WIND LOAD	87.03	56.46	39.51	29.16	22.39	17.73	14.38
	LIVE LOAD/DEFLECTION - L/60	73.77	51.18	35.76	26.37	20.24	16.02	12.99
	LIVE LOAD/DEFLECTION - L/180	73.77	51.18	35.76	26.37	20.24	16.02	11.77
	LIVE LOAD/DEFLECTION - L/240	73.77	51.18	35.76	25.74	17.24	12.11	8.83
3-span	NEGATIVE WIND LOAD	107.04	69.83	49.01	36.25	27.87	22.09	17.93
	LIVE LOAD/DEFLECTION - L/60	83.83	63.41	44.42	32.81	25.21	19.97	16.20
	LIVE LOAD/DEFLECTION - L/180	83.83	63.41	41.93	26.40	17.69	12.42	9.06
	LIVE LOAD/DEFLECTION - L/240	83.83	54.34	31.45	19.80	13.27	9.32	6.79
4-span	NEGATIVE WIND LOAD	100.47	65.42	45.87	33.90	26.05	20.64	16.75
	LIVE LOAD/DEFLECTION - L/60	80.69	59.36	41.55	30.68	23.56	18.66	15.14
	LIVE LOAD/DEFLECTION - L/180	80.69	59.36	41.55	28.24	18.92	13.29	9.69
	LIVE LOAD/DEFLECTION - L/240	80.69	58.12	33.63	21.18	14.19	9.97	7.27

26 Gauge thickness								
Span Type	Load Type	Support Spacing						
		2 Ft.	2.5 Ft.	3 Ft.	3.5 Ft.	4 Ft.	4.5 Ft.	5 Ft.
1-span	NEGATIVE WIND LOAD	117.01	74.89	52.01	38.21	29.25	22.53	16.42
	LIVE LOAD/DEFLECTION - L/60	140.46	89.89	62.43	45.86	35.11	26.17	19.08
	LIVE LOAD/DEFLECTION - L/180	99.36	50.87	29.44	18.54	12.42	8.72	6.36
	LIVE LOAD/DEFLECTION - L/240	74.52	38.15	22.08	13.90	9.31	6.54	4.77
2-span	NEGATIVE WIND LOAD	133.75	87.08	61.05	45.11	34.67	27.47	22.29
	LIVE LOAD/DEFLECTION - L/60	113.05	73.24	51.20	37.77	29.00	22.95	18.62
	LIVE LOAD/DEFLECTION - L/180	113.05	73.24	51.20	37.77	29.00	22.35	16.29
	LIVE LOAD/DEFLECTION - L/240	113.05	73.24	51.20	35.62	23.86	16.76	12.22
3-span	NEGATIVE WIND LOAD	163.86	107.40	75.59	55.99	43.10	34.19	27.77
	LIVE LOAD/DEFLECTION - L/60	139.29	90.68	63.57	46.98	36.11	28.60	23.21
	LIVE LOAD/DEFLECTION - L/180	139.29	90.68	59.13	37.24	24.95	17.52	12.77
	LIVE LOAD/DEFLECTION - L/240	139.29	76.64	44.35	27.93	18.71	13.14	9.58
4-span	NEGATIVE WIND LOAD	154.02	100.71	70.78	52.39	40.31	31.96	25.95
	LIVE LOAD/DEFLECTION - L/60	130.66	84.92	59.47	43.92	33.74	26.73	21.68
	LIVE LOAD/DEFLECTION - L/180	130.66	84.92	59.47	39.53	26.48	18.60	13.56
	LIVE LOAD/DEFLECTION - L/240	130.66	81.35	47.08	29.65	19.86	13.95	10.17

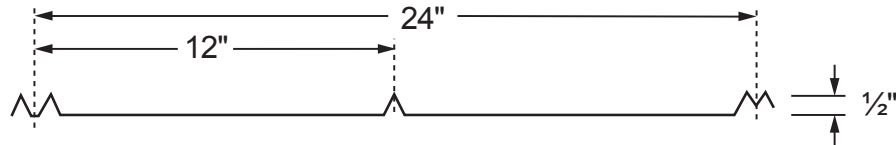
NOTES:

- Strength calculations are based on the 2012 S100 AISI "North American Specification for the Design of Cold-formed Steel Structural Members".
- Allowable loads are applicable for uniform loading and spans without overhangs.
- LIVE LOAD/DEFLECTION capacities are for those loads that push the panel against its support. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and the strength-level load deflection limit shown.
- Capacities for LIVE LOAD/DEFLECTION pressure loading are determined as the smaller of the LIVE LOAD/DEFLECTION - Strength and the required deflection limit values listed.
- NEGATIVE WIND LOAD capacities are for those loads that pull the panel away the support. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
- Panel pullover and screw pullout connection capacities need to be checked separately for the particular fasteners employed using tributary area-based connection loads.
- Effective yield strength has been determined in accordance with section A2.3.3 of the 2012 AISI S100 specification.
- The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
- This material is subject to change without notice. Please contact ABC for most current data.

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PRODUCT INFORMATION

5V CRIMP 24" Coverage



SECTION PROPERTIES								
PANEL GAUGE	Fy (KSI)	WEIGHT (PSF)	NEGATIVE BENDING			POSITIVE BENDING		
			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	0.0014	0.0074	0.2662	0.0028	0.0061	0.2204
26	60*	0.95	0.0018	0.0112	0.4018	0.0032	0.0079	0.2826

* Fy is 80 ksi reduced to 60 ksi in accordance with the 2001 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 5V Crimp panels are calculated in accordance with the 2001 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 the one foot of panel width.

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		1.0	1.5	2.0	2.5	3.0	3.5	4.0
SINGLE	Negative Wind Load	177.5	78.9	44.4	28.4	19.7	14.5	11.1
	Live Load/Deflection	146.9	65.3	30.2	15.4	8.9	5.6	3.8
2 SPAN	Negative Wind Load	146.9	65.3	36.7	23.5	16.3	12.0	9.2
	Live Load/Deflection	142.1	64.3	36.4	23.4	16.3	12.0	9.1
3 SPAN	Negative Wind Load	183.7	81.6	45.9	29.4	20.4	15.0	11.5
	Live Load/Deflection	172.5	79.9	45.4	29.1	16.9	10.6	7.1
4 SPAN	Negative Wind Load	171.5	76.2	42.9	27.4	19.1	14.0	10.7
	Live Load/Deflection	164.4	74.8	42.4	27.2	17.9	11.3	7.6

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		1.0	1.5	2.0	2.5	3.0	3.5	4.0
SINGLE	Negative Wind Load	267.9	119.1	67.0	42.9	29.8	21.9	16.7
	Live Load/Deflection	188.4	83.4	35.2	18.0	10.4	6.6	4.4
2 SPAN	Negative Wind Load	188.4	83.7	47.1	30.1	20.9	15.4	11.8
	Live Load/Deflection	182.4	82.5	46.7	30.0	20.9	15.3	10.6
3 SPAN	Negative Wind Load	235.5	104.7	58.9	37.7	26.2	19.2	14.7
	Live Load/Deflection	224.9	102.5	58.2	34.0	19.7	12.4	8.3
4 SPAN	Negative Wind Load	219.9	97.7	55.0	35.2	24.4	18.0	13.7
	Live Load/Deflection	211.0	95.9	54.4	34.9	20.9	13.2	8.8

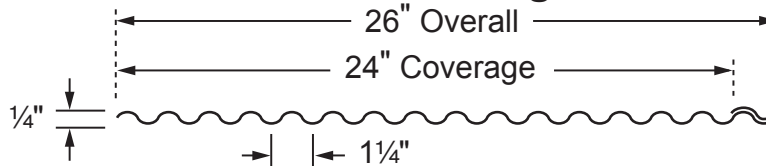
NOTES:

1. Allowable loads are based on uniform span lengths and Fy = 60ksi.
2. LIVE LOAD is limited by bending, shear, combined shear & bending, or web crippling.
3. **NEGATIVE WIND LOAD does not contain a 33.333% increase and does not consider fastener pullout or pullover.**
4. Above loads consider a maximum deflection ratio of L/180.
5. The weight of the panel has not been deducted from the allowable loads.
6. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
7. This material is subject to change without notice.
8. See americanbuildingcomponents.com for most current information.

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PRODUCT INFORMATION

CORRUGATED 24" Coverage



SECTION PROPERTIES								
PANEL GAUGE	Fy (KSI)	WEIGHT (PSF)	NEGATIVE BENDING			POSITIVE BENDING		
			Ixe (IN.4/FT.)	Sxe (IN.3/FT.)	Maxo (KIP-IN.)	Ixe (IN.4/FT.)	Sxe (IN.3/FT.)	Maxo (KIP-IN.)
29	60*	0.61	0.0014	0.0093	0.3356	0.0014	0.0093	0.3356
26	60*	0.79	0.0014	0.0119	0.4271	0.0014	0.0119	0.4271

* Fy is 80 ksi reduced to 60 ksi in accordance with the 2001 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 Corrugated panels are calculated in accordance with the 2001 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 the one foot of panel width.

29 Gauge ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT								
Fy = 60ksi		SPAN IN FEET						
SPAN TYPE	LOAD TYPE	2.0	2.5	3.0	3.5	4.0	4.5	5.0
SINGLE	Negative Wind Load	55.9	35.8	24.9	18.3	14.0	11.0	8.9
	Live Load/Deflection	15.3	7.8	4.5	2.9	1.9	1.3	1.0
2 SPAN	Negative Wind Load	55.9	35.8	24.9	18.3	14.0	11.0	8.9
	Live Load/Deflection	36.8	18.9	10.9	6.9	4.6	3.2	2.4
3 SPAN	Negative Wind Load	69.9	44.7	31.1	22.8	17.5	13.8	11.2
	Live Load/Deflection	28.9	14.8	8.6	5.4	3.6	2.5	1.8
4 SPAN	Negative Wind Load	65.3	41.8	29.0	21.3	16.3	12.9	10.4
	Live Load/Deflection	30.6	15.7	9.1	5.7	3.8	2.7	2.0

26 Gauge ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT								
Fy = 60ksi		SPAN IN FEET						
SPAN TYPE	LOAD TYPE	2.0	2.5	3.0	3.5	4.0	4.5	5.0
SINGLE	Negative Wind Load	71.2	45.6	31.6	23.2	17.8	14.1	11.4
	Live Load/Deflection	15.3	7.8	4.5	2.9	1.9	1.3	1.0
2 SPAN	Negative Wind Load	71.2	45.6	31.6	23.2	17.8	14.1	11.4
	Live Load/Deflection	36.8	18.9	10.9	6.9	4.6	3.2	2.4
3 SPAN	Negative Wind Load	89.0	56.9	39.5	29.1	22.2	17.6	14.2
	Live Load/Deflection	28.9	14.8	8.6	5.4	3.6	2.5	1.8
4 SPAN	Negative Wind Load	83.1	53.2	36.9	27.1	20.8	16.4	13.3
	Live Load/Deflection	30.6	15.7	9.1	5.7	3.8	2.7	2.0

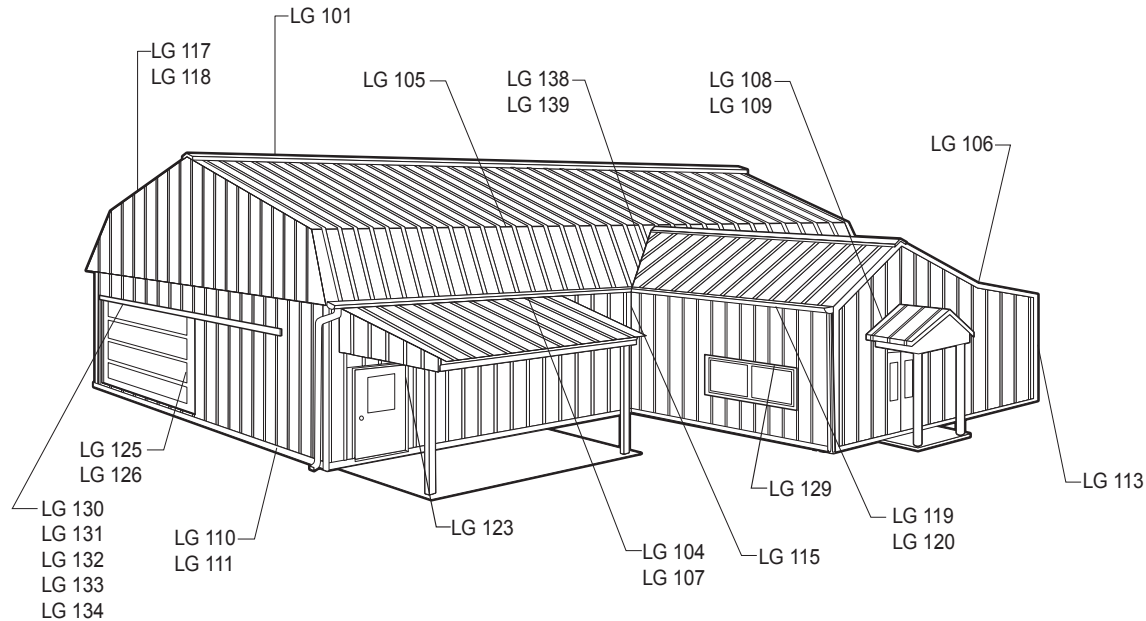
NOTES:

1. Allowable loads are based on uniform span lengths and Fy = 60ksi.
2. LIVE LOAD is limited by bending, shear, combined shear & bending, or web crippling.
3. **NEGATIVE WIND LOAD does not contain a 33.33% increase and does not consider fastener pullout or pullover.**
4. Above loads consider a maximum deflection ratio of L/180.
5. The weight of the panel has not been deducted from the allowable loads.
6. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
7. This material is subject to change without notice.
8. See americanbuildingcomponents.com for most current information.

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PRODUCT INFORMATION

APPLICATIONS GUIDE



LG 101
PLAIN RIDGE CAP



LG 104
NOTCHED ENDWALL
FLASHING



LG 105
NOTCHED UPPER
GAMBREL FLASHING



LG 106
NOTCHED LOWER
GAMBREL FLASHING



LG 107
DENVER ENDWALL
FLASHING



LG 108
SIDEWALL FLASHING



LG 109
DENVER SIDEWALL
FLASHING



LG 110
BASE GUARD



LG 111
SQUARE BASE TRIM



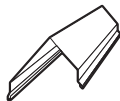
LG 113
CORNER TRIM



LG 115
INSIDE CORNER



LG 117
RAKE TRIM



LG 118
DENVER GABLE



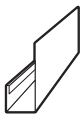
LG 119
EAVE FLASHING



LG 120
DENVER EAVE TRIM



LG 123
"J" CHANNEL



LG 125
9 1/4" DOOR JAMB



LG 126
DOOR POST TRIM



LG 129
WINDOW DRIP CAP



LG 130
SLIDING DOOR DRIP CAP



LG 131
NATIONAL DOOR TRACK
COVER



LG 132
COMBO TRACK COVER



LG 133
TOP MOUNT TRACK
COVER



LG 134
TRACK DOOR JAMB TRIM

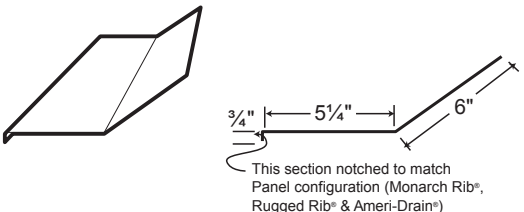
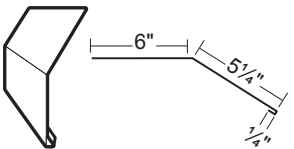
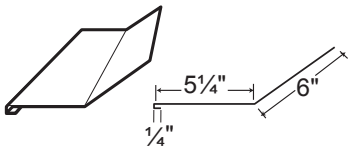
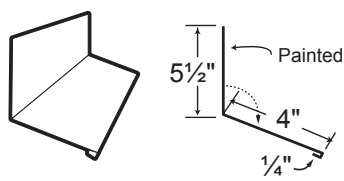
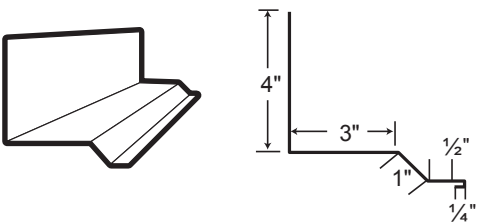
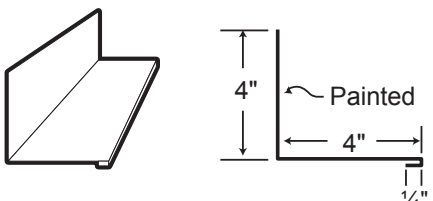


LG 138
"W" FORMED VALLEY
LG 139

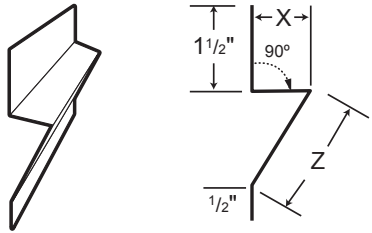
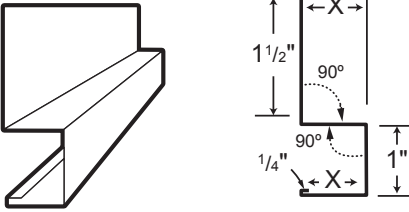
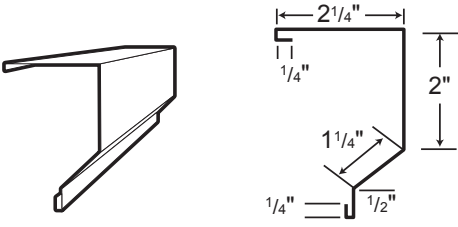
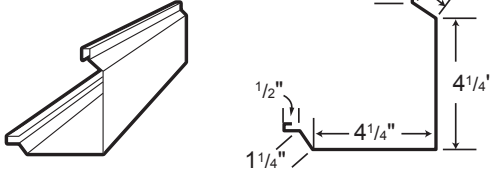
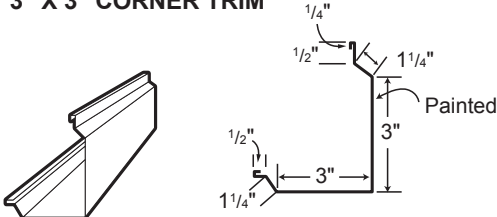
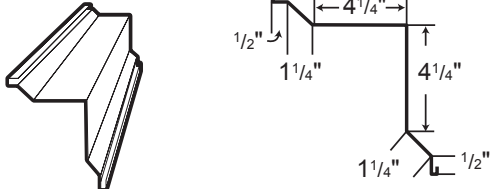


ITEM	GENERAL	PART NUMBER	LENGTH	GIRTH	WEIGHT
PLAIN RIDGE CAP 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	X=4" X=5" X=6" X=7"	LG-101 LG-101A LG-101B LG-101C	10'-6" 10'-6" 10'-6" 10'-6"	14 1/2" 16 1/2" 18 1/2" 20 1/2"	7.39 # 8.20 # 9.30 # 10.33 #
RIDGE/HIP 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	X=6" X=7" X=8"	CF-101 CF-101A CF-101B	10'-6" 10'-6" 10'-6"	13" 15" 17"	6.44 # 7.46 # 7.73 #
DENVER PEAK TRIM 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 		LG-103	10'-6"	11"	5.25 #
NOTCHED ENDWALL FLASHING 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	Am-Dr Mon Rib	LG-104B LG-104D	3' 3'	12" 12"	1.84 # 1.84 #
NOTCHED UPPER GAMBREL FLASHING 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 	Am-Dr Mon Rib	LG-105B LG-105D	3' 3'	12" 12"	1.84 # 1.84 #

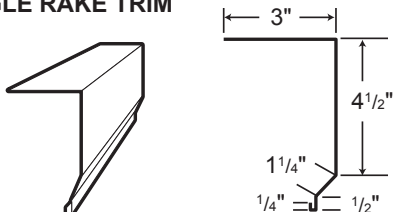
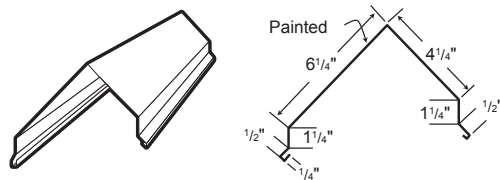
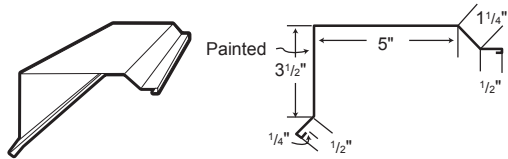
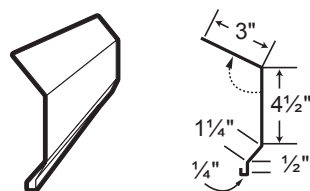
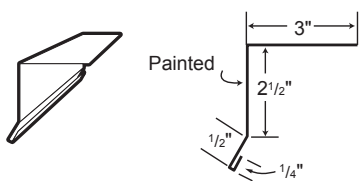
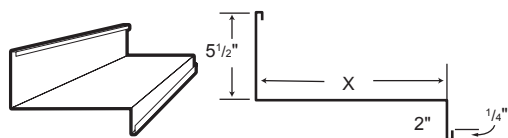
PRODUCT INFORMATION

ITEM	GENERAL	PART NUMBER	LENGTH	GIRTH	WEIGHT
NOTCHED LOWER GAMBREL FLASHING 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE  This section notched to match Panel configuration (Monarch Rib®, Rugged Rib® & Ameri-Drain®)	Am-Dr Mon Rib	LG-106B LG-106D	3' 3'	12" 12"	1.84 # 1.84 #
UPPER GAMBREL FLASHING 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 		LG-184	10'-6"	11 1/2"	6.16 #
TRANSITION FLASHING 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 		LG-185	10'-6"	11 1/2"	6.16 #
DENVER ENDWALL FLASHING 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 		LG-107	10'-6"	9 3/4"	4.41 #
SIDEWALL FLASHING 		LG-108	10'-6"	8 3/4"	4.02 #
DENVER SIDEWALL FLASHING 		LG-109	10'-6"	8 1/4"	4.41 #

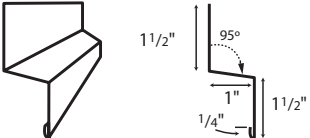
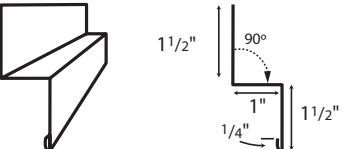
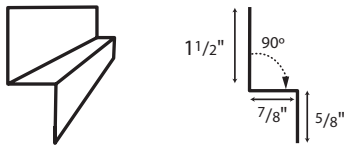
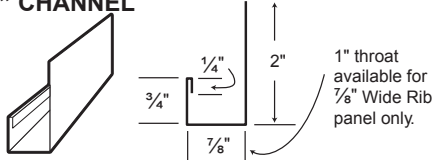
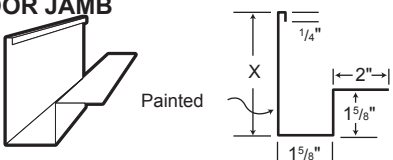
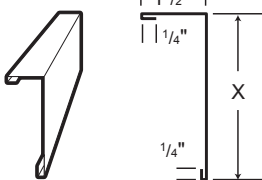
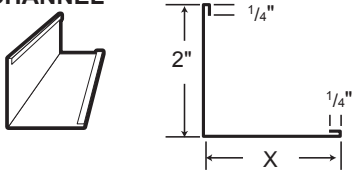
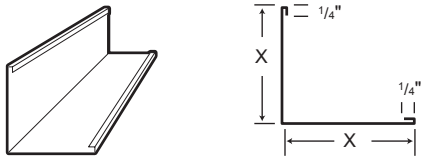
PRODUCT INFORMATION

ITEM	GENERAL	PART NUMBER	LENGTH	GIRTH	WEIGHT
BASE GUARD 	X=1" Z=1 ¹³ / ₁₆ " X=1 1/2" Z=2 1/4"	LG-110 LG-110A	10'-6" 10'-6"	4 ¹³ / ₁₆ " 5 3/4"	2.46 # 2.98 #
SQUARE BASE GUARD 	X=1" X=1 1/2"	LG-111 LG-111A	10'-6" 10'-6"	4 3/4" 5 3/4"	2.46 # 2.98 #
DOOR & EDGE CAP 		LG-112	10'-6"	6 1/2"	3.49 #
CORNER TRIM 		LG-113 LG-113A LG-113B LG-113C LG-113D	10'-6" 12'-6" 14'-6" 16'-0" 18'-0"	12 1/2" 12 1/2" 12 1/2" 12 1/2" 12 1/2"	6.73 # 8.06 # 9.41 # 10.75 # 12.10#
3" X 3" CORNER TRIM 		LG-114	10'-6"	10"	5.36 #
INSIDE CORNER 		LG-115	10'-6"	12 1/2"	6.70 #

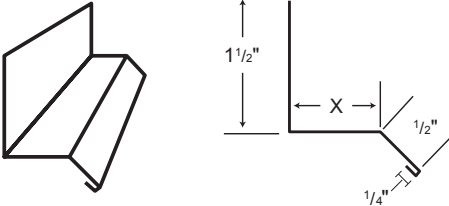
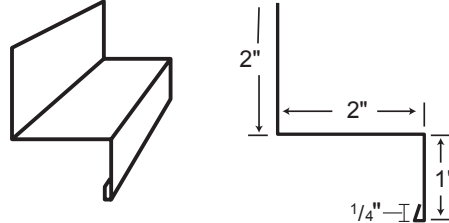
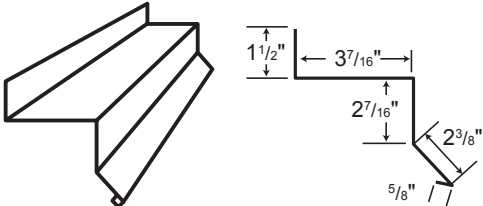
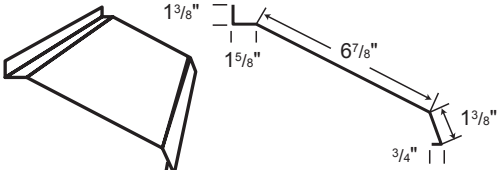
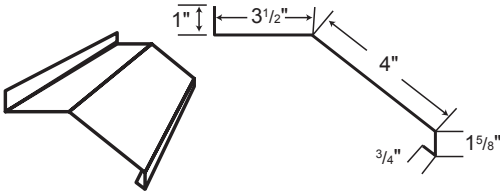
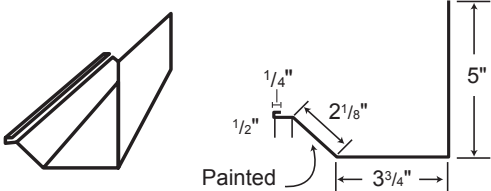
PRODUCT INFORMATION

ITEM	GENERAL	PART NUMBER	LENGTH	GIRTH	WEIGHT
SHINGLE RAKE TRIM 		LG-116	10'-6"	9 1/2"	5.23 #
RAKE TRIM 		LG-117 LG-117A	10'-6" 16'	14 1/2" 14 1/2"	7.89 # 12.64 #
DENVER GABLE 		LG-118	10'-6"	11 1/4"	6.03 #
EAVE FLASHING 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 		LG-119	10'-6"	9 1/2"	5.23 #
DENVER EAVE TRIM 4:12 PITCH STANDARD UNLESS SPECIFIED OTHERWISE 		LG-120	10'-6"	6 1/4"	3.50 #
CUSTOM SOFFIT 	X=12" X=14" X=16"	LG-121 LG-121A LG-121B	10'-6" 10'-6" 10'-6"	20" 22" 24"	10.71 # 11.75 # 12.85 #

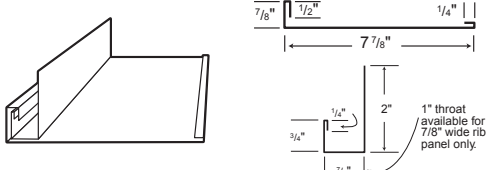
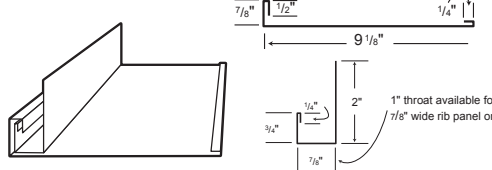
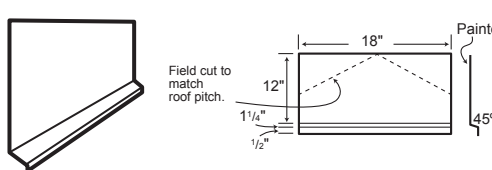
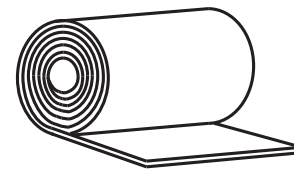
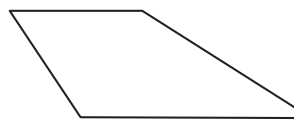
PRODUCT INFORMATION

ITEM	GENERAL	PART NUMBER	LENGTH	GIRTH	WEIGHT
WAINSCOTE  95° angle used for drainage		LG-170	10'-6"	4 1/4"	2.15 #
Z FLASHING 		LG-122	10'-6"	4 1/4"	2.20 #
DOUBLE ANGLE 		DBLA	10'-6"	3"	1.55 #
"J" CHANNEL 		LG-123	10'-6"	3 7/8"	2.32 #
		LG-123A	16'	3 7/8"	4.20 #
		LG-124	10'-6"	4"	2.35 #
		LG-124A	14'	4"	4.28 #
DOOR JAMB 	X=4"	LG-125	10'-6"	9 1/2"	5.09 #
	X=7 1/4"	LG-125A	10'-6"	12 3/4"	6.69#
DOOR POST TRIM 	X=3 1/2"	LG-126	10'-6"	5 1/2"	2.95 #
	X=5 1/2"	LG-126A	10'-6"	7 1/2"	4.02 #
	X=7 1/4"	LG-126B	10'-6"	9 1/4"	4.96 #
	X=3 1/2"	LG-126C	16'	5 1/2"	4.50 #
	X=5 1/2"	LG-126D	16'	7 1/2"	6.13 #
	X=7 1/4"	LG-126E	16'	9 1/4"	7.56#
"L" CHANNEL 	X=1"	LG-127	10'-6"	3 1/2"	1.88 #
	X=1 1/2"	LG-127A	10'-6"	4"	2.14 #
	X=2"	LG-127B	10'-6"	4 1/2"	2.43 #
	X=3"	LG-127C	10'-6"	5 1/2"	2.95 #
"L" CHANNEL 	X=1 1/2"	LG-128	10'-6"	3 1/2"	1.88 #
	X=3"	LG-128A	10'-6"	6 1/2"	3.76 #

PRODUCT INFORMATION

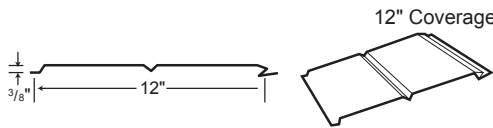
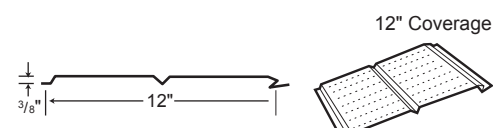
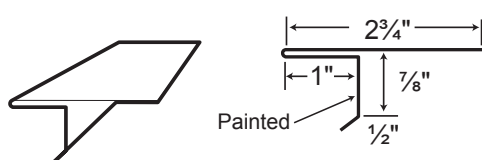
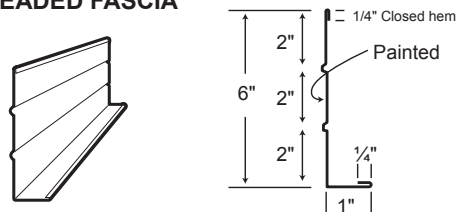
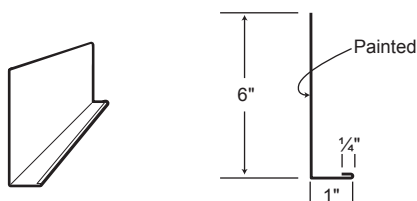
ITEM	GENERAL	PART NUMBER	LENGTH	GIRTH	WEIGHT
WINDOW DRIP CAP 	X=1" X=1 1/2"	LG-129 LG-129A	10'-6" 10'-6"	3 1/4" 3 3/4"	1.60 # 1.88 #
SLIDING DOOR DRIP CAP 		LG-130	10'-6"	5 1/4"	4.42 #
NATIONAL DOOR TRACK COVER 		LG-131 LG-131A	10'-6" 16'	10 3/8" 10 3/8"	5.48 # 8.35 #
COMBO TRACK COVER 		LG-132 LG-132A	10'-6" 16'	12" 12"	6.30 # 9.60 #
NOTE: May also be used with CANONBALL TRACK					
TOP MOUNT TRACK COVER 		LG-133 LG-133A	10'-6" 16'	10 7/8" 10 7/8"	5.57 # 8.50 #
TRACK DOOR JAMB TRIM 		LG-134	10'-6"	11 5/8"	6.30 #

PRODUCT INFORMATION

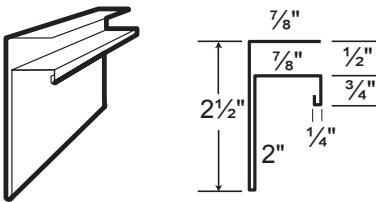
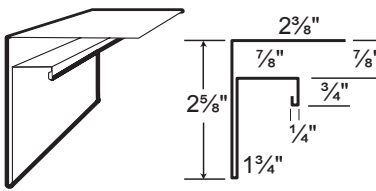
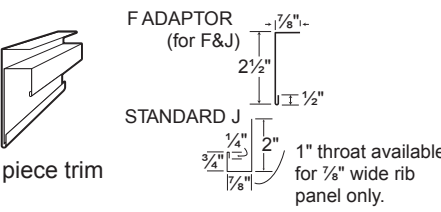
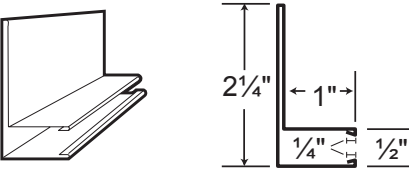
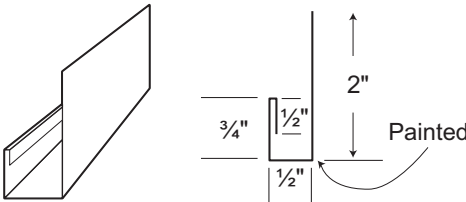
ITEM	GENERAL	PART NUMBER	LENGTH	GIRTH	WEIGHT
OVERHEAD DOOR 	OVERHEAD DOOR ADAPTOR (7 7/8") Two Piece Assembly One Piece Assembly Non-exposed J assorted colors may be used	LG-235	10'-6"	9 1/2"	6.50 #
		LG-235A	16'	9 1/2"	10.40 #
		LG-123	10'-6"	3 7/8"	2.32 #
		LG-123A	16'	3 7/8"	4.20 #
		LG-135	10'-6"	12 3/4"	6.69#
		LG-135A	16'	12 3/4"	10.19#
OVERHEAD DOOR 	OVERHEAD DOOR ADAPTOR (9 1/8") One Piece Assembly Non-exposed J assorted colors may be used	LG-236	10'-6"	10 3/4"	7.65 #
		LG-236A	16'	10 3/4"	12.20 #
		LG-123	10'-6"	3 7/8"	2.32 #
		LG-123A	16'	3 7/8"	4.20 #
		LG-136	10'-6"	14"	7.35#
		LG-136A	16'	14"	11.20#
KEYSTONE PIECE 		LG-137	13 3/4" X 18"	N/A	1.00 #
"W" FORMED VALLEY 	X=9" X=14" 29 Gauge steel available in all colors	LG-138	10'-6"	20"	10.30 #
		LG-139	10'-6"	30"	15.45 #
ROLL VALLEY 	29 Gauge	Roll Valley	50'-0"	20 3/16"	65 #
FLAT SHEET 	40 7/8" X 126" Galvanized & Color	Flat Sheet			22.89 #
	44 1/2" X 126" Galvalume Plus®	Flat Sheet			24.03 #

*Skidding charge of \$42.00 will be added

PRODUCT INFORMATION

ITEM	GENERAL	PART NUMBER	LENGTH	GIRTH	WEIGHT
V GROOVE SOFFIT 	Available-All Colors	LG-140	12'-6"	13 3/4"	8.75 #
Custom sheared lengths are available. Recommended for applications under 4'					
V GROOVE PERFORATED SOFFIT 	Available-All Colors	LG-142	12'-6"	13 3/4"	8.75 #
Custom sheared lengths are available. Recommended for applications under 4'					
*Perforation voids finish warranties					
STYLE "D" 		LG-144	10'-6"	5 1/8"	3 #
29 Gauge steel available in all colors					
BEADED FASCIA 		LG-145	10'-6"	7 1/2"	4.02 #
29 Gauge steel available in all colors					
FASCIA 	29 Gauge Steel	LG-146S	10'-6"	7 1/4"	3.67 #
Not available w/ beads					

PRODUCT INFORMATION

ITEM	GENERAL	PART NUMBER	LENGTH	GIRTH	WEIGHT
F & J SOFFIT 	Longer Lead times may apply - Inquire	LG-147	10'-6"	7 1/4"	3.67 #
F & J PANEL 	Longer Lead times may apply - Inquire	LG-182	10'-6"	8 5/8"	4.75 #
F & J ASSEMBLY  Two piece trim	Non-Exposed Assorted Material	LG-147F	10'-6"	3 7/8"	2.32 #
"F" CHANNEL 	29 Gauge Steel	LG-148S	10'-6"	6 1/2"	3.29 #
SOFFIT "J" 	29 Gauge Steel 26 Gauge Steel	LG-186 LG-186	10'-6" 10'-6"	3 3/4" 3 3/4"	2.05 # 2.55 #

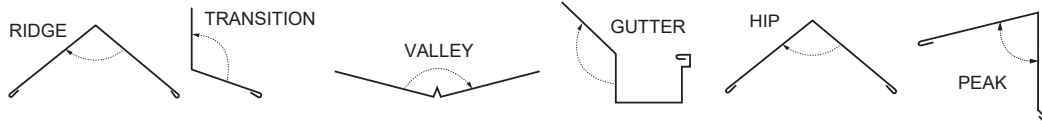
PRODUCT INFORMATION

HOW TO ORDER SPECIAL TRIM

NOTE:

1. Always indicate the dimension of each segment.
2. Always indicate each angle in degrees
3. Indicate the number of hemmed edges
4. Always indicate the exposed or colored side of each trim piece.
5. Calculate girth, which is the total width of trim piece.

DEGREES BASED ON ROOF PITCH



	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°
EAVE AND ENDWALL	94°	99°	104°	108°	112°	116°	120°	123°	126°	129°	132°	135°
RIDGE	170°	161°	152°	143°	135°	127°	120°	113°	106°	100°	95°	90°
PEAK	85°	81°	76°	72°	67°	63°	60°	56°	53°	50°	47°	45°

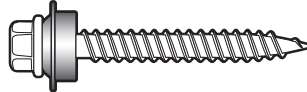
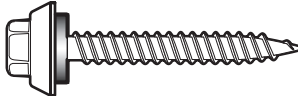
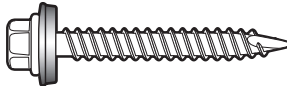
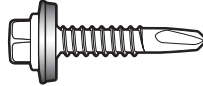
TRANSITION/LOWER GAMBREL FLASHING

		FROM										
		12:12	11:12	10:12	9:12	8:12	7:12	6:12	5:12	4:12	3:12	2:12
TO	1:12	139°	142°	144°	147°	150°	154°	158°	162°	168°	172°	177°
	2:12	144°	147°	149°	152°	156°	159°	163°	167°	171°	176°	
	3:12	149°	151°	154°	157°	160°	163°	167°	171°	175°		
	4:12	153°	156°	158°	161°	164°	168°	172°	176°			
	5:12	157°	160°	162°	165°	168°	172°	176°				
	6:12	161°	164°	166°	169°	172°	176°					
	7:12	165°	167°	170°	173°	176°						
	8:12	168°	171°	173°	176°							
	9:12	172°	174°	177°								
	10:12	175°	177°									
	11:12	177°										
	12:12											

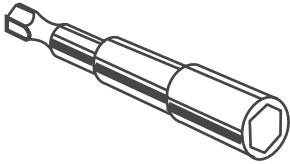
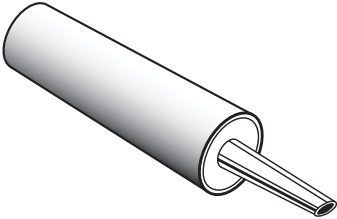
UPPER GAMBREL FLASHING

		FROM					
		1:12	2:12	3:12	4:12	5:12	6:12
TO	18:12	128°	133°	137°	142°	146°	150°
	17:12	129°	134°	139°	143°	147°	151°
	16:12	131°	136°	140°	145°	149°	153°
	15:12	133°	138°	142°	147°	151°	155°
	14:12	135°	140°	144°	149°	153°	157°
	13:12	137°	142°	146°	151°	155°	159°
	12:12	139°	144°	149°	153°	157°	161°
	11:12	142°	147°	151°	156°	160°	164°
	10:12	144°	149°	154°	158°	162°	166°
	9:12	147°	152°	157°	161°	165°	169°
	8:12	150°	155°	160°	164°	168°	172°
	7:12	154°	159°	163°	168°	172°	175°

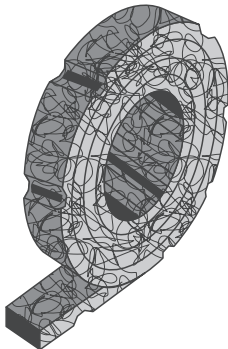
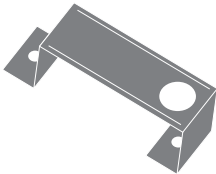
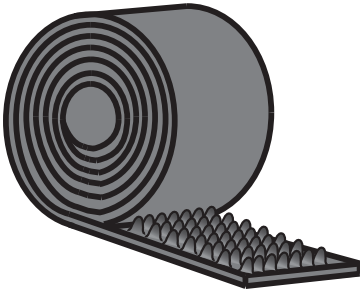
PRODUCT INFORMATION

ITEM	GENERAL	PART NUMBER	LENGTH	LB. PER BAG
WOOD FASTENER 	PANEL TO WOOD	8A	10 X 1"	2.18 #
	HEAD SIZE ¼"	8	10 X 1 ½"	2.70 #
		8B	10 X 2"	3.28 #
		8C	10 X 2 ½"	3.85 #
		9D	10 X 3"	4.40#
	250 PER BAG - ALL SCREWS ARE PRICED PER 1,000 EA			
LONG LIFE WOOD FASTENER 	PANEL TO WOOD	9A	10 X 1"	3.55 #
	HEAD SIZE 5/16"	9	10 X 1 ½"	4.58 #
	250 PER BAG - SPECIAL ORDER ONLY			
STAINLESS STEEL WOOD FASTENER 	BI-METAL	108	10 X 1"	2.33 #
	FASTENER	205	10 X 1 ½"	2.89 #
	HEAD SIZE 5/16"	154	10 X 2"	3.51 #
	250 PER BAG - SPECIAL ORDER ONLY			
	PAINT SETUP CHARGES AND SHIPPING CHARGES WILL APPLY LONGER LEAD TIMES APPLY			
SELF-DRILLER 	PANEL TO METAL	17A	12 X 1 ¼"	3.88 #
	HEAD SIZE 5/16"			
	250 PER BAG			
SELF-DRILLER LAP-TEK 	PANEL TO METAL	4A	14 X 7⁄8"	4.00 #
	HEAD SIZE 5/16"			
	250 PER BAG			
SELF-TAPPING - Requires a pilot hole 	PANEL TO WOOD	18	14 X 1"	4.13 #
	HEAD SIZE 5/16"	18B	14 X 1 ½"	5.15 #
	Pre-Drill Holes	18C	14 X 2"	6.58 #
	250 PER BAG - SPECIAL ORDER ONLY			
	PAINT SETUP CHARGES AND SHIPPING CHARGES WILL APPLY LONGER LEAD TIMES APPLY			
POP RIVET 	STAINLESS STEEL	14	1/8" X 3/16"	.73 #
	250 PER BAG			
PANCAKE HEAD 	PANEL TO PLYWOOD	13	10 X 1"	1.78 #
	#2 Phillips-Wood Grip			
	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 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, may be fastened with #9 or #10 wood fasteners.				
NOTE: ALL SCREWS ARE PRICED PER 1,000 EA Other lengths and sized available. Not all fasteners in stock. UPS and paint charges may apply. PLEASE INQUIRE.				

PRODUCT INFORMATION

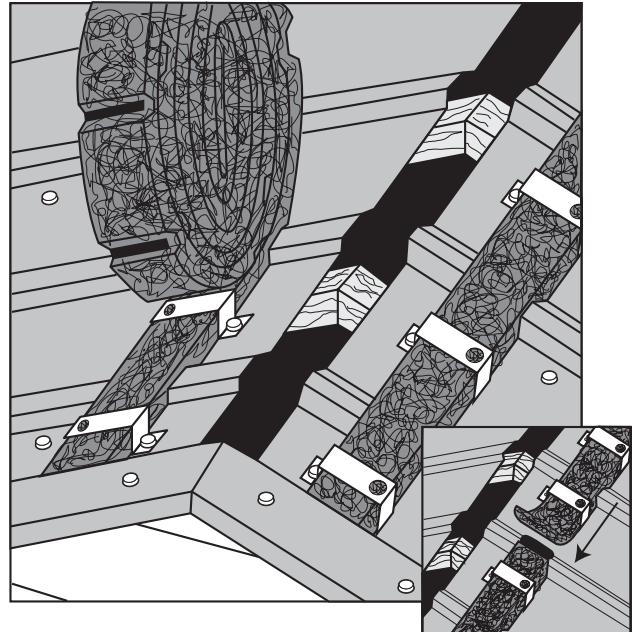
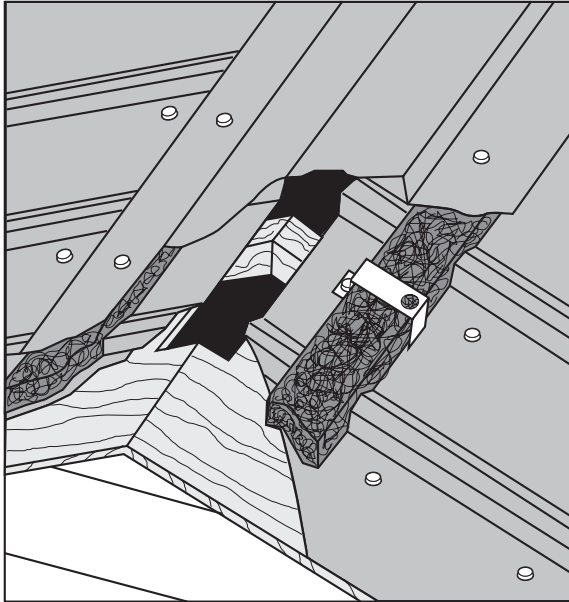
ITEM	SIZE	PART NUMBER	COLOR
TOUCH UP PAINT - BRUSH TOP CAN *Std Colors  (Recommended for minor scratch cover only)	2 Oz. Bottle with brush	HW-304	See Standard Color Chart
ONE PIECE MAGNETIC SOCKET 	1/4" 5/16"	HW-606 HW-605	
URETHANE WHITE URETHANE BRONZE URETHANE ALMOND  *Silicone not recommended for panel applications	11 Oz. Tube 11 Oz. Tube 11 Oz. Tube	HW-540 HW-542 HW-544	White Bronze Almond

PRODUCT INFORMATION

ITEM	GENERAL	PART NUMBER	LENGTH		
PROFILE VENT 	MasterRib®	HW-116IR	100' ROLL		
	Ameri-Drain®	HW-116AM	100' ROLL		
	Monarch Rib®	HW-116MR	100' ROLL		
	Perma-Clad®	HW-116PC	100' ROLL		
	5V Crimp®	HW-1165V	100' ROLL		
	*Two 50' Rolls per Pkg				
PROFILE VENT ANCHOR CLIP 	GENERAL	PART NUMBER	CLIP HEIGHT	WEIGHT	CARTON SIZE
	¾"	HW-2075	1"	.042 each	25
	1"	HW-2076	1¼"	.045 each	25
VERSA VENT 	GENERAL	PART NUMBER		WEIGHT	CARTON SIZE
	1" Thickness	HW-111		10'-0"	10
	1 ¼" Thickness	HW-112		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 weathertightness of this or any ventilator apparatus. ABC recommends consulting a qualified architect, design engineer, or HVAC professional for your particular application.

TECHNICAL DATA

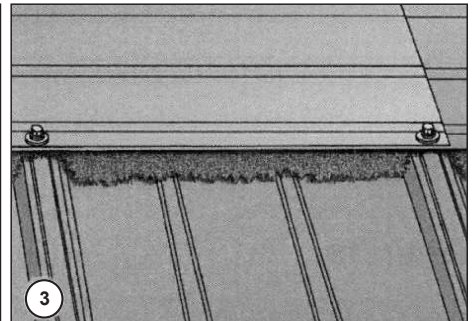
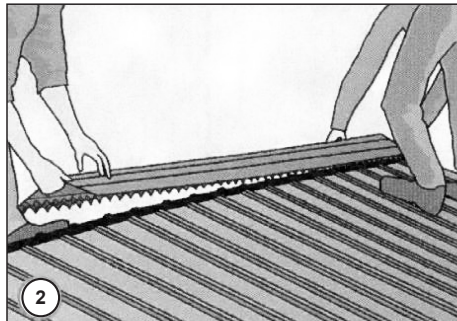
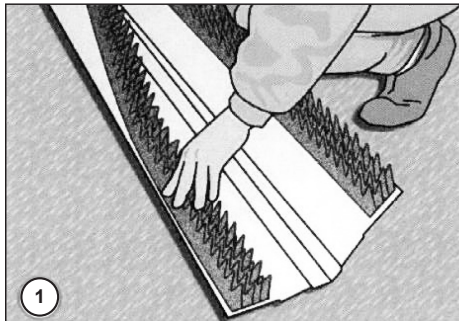
Passed	Net Free Area	1" nom. thickness	8.5 sq. in. per lin. ft. per slope (17 sq. in. per lin. fit. ridge)
Passed	Air Permeability	ASTM D737	>>760 cu. ft. per minute
Passed	Self-ignition Temp.	ASTM D1929	963°F
Passed	Cold Crack	Loren C115	Resistance to >-25°F
Passed	Snow Infiltration	CRL 5704	-0-
Passed	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		

PRODUCT INFORMATION

VERSAVENT™ X-10 VersaVent™

VersaVent™ comes in two sizes in lengths of 10 feet, mirroring the length of most ridge caps. The product is not profile sensitive, which allows for less SKU's and scrap material at the jobsite. VersaVent™ can be applied to the ridge cap by the roll former or while on the ground allowing for easier, quicker, and safer application.

EASY 1, 2, 3 INSTALLATION



1. On the ground apply VersaVent™, with adhesive strip, to the underside of the ridge cap ¼" from each edge. VersaVent™ can be cut to length with a utility knife or scissors.

2. With the VersaVent™ held in place by the adhesive apply the ridge cap per manufacturers instructions.

3. When installing be sure the Atlas fasteners are positioned at the edge of the ridge cap so the fasteners pass through the VersaVent™ material. When necessary cut the VersaVent™ material back to over lap two pieces of ridge cap.

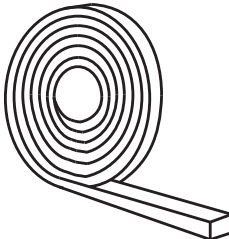
VENTED RIDGE PRODUCT TYPICAL PROPERTIES

PROPERTY	TEST DESCRIPTION	RESULTS
Panel Fit		2 Sizes Fit Most Panels
Net Free Area	1" Nominal Thick	8.5 Sq.In. Per LF-Slope 17 Sq.In. Per LF-Ridge
Air Permeability	ASTM D737	760 Cu.Ft. Per Min.
Heat Resistance	180° for 500 Hrs.	No Change
Humidity Resistance	ASTM D2247-97	No Change
Cold Cracked	F87260 Sec. 4-C14	-55° C (-130° F)
Cold Resistance	10° for 500 Hrs.	No Change
Snow Infiltration	CRL 5704	0
Tear Strength	ASTM D3574	3.5 PPI
Tensile Strength	ASTM D3574	16 PSI - Elong. 175%
Compressive Strength	ASTM D3574	1.8 PSI@75%
Abrasion	ASTM D1175	No Damage
110 MPH Wind-Driven Rain	CRL 6875	Passed Dade County Protocol TAS 100 "A"
Water Immersion	500 Hrs.	No Change
QUVV Weatherometer	ASTM G154	No Change
Attic Ventilation	UBC Code	Meets Code

All test results and recommendations are based on laboratory test. Specific job site conditions should be taken into consideration when specifying the proper fastener. Because applications vary, we assume no liability for use of this information.

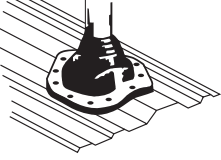
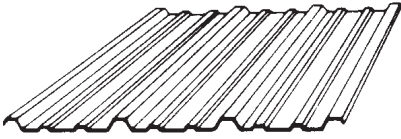
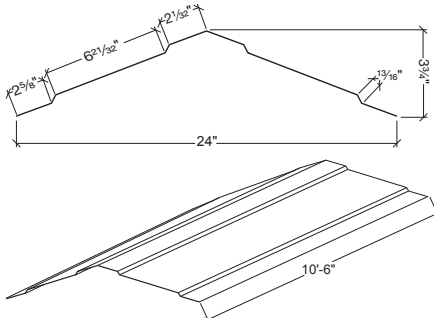
- Highly engineered design allows 2 sku's to conform to most roof panel profiles.
- Application to ridge cap, allows:
 - Easy, one person installation
 - No fall protection required
 - Will not blow off while installing the ridge cap
- Boxes contain 10 each 10' sections, and product can be ordered per job, matching ridge cap length
- No roof measurements, caulking, sealants or clips required
- Clean, dust free installation
- Two strips of continuous glue keeps material in place during installation
- Screws go through ridge cap and VersaVent™

PRODUCT INFORMATION

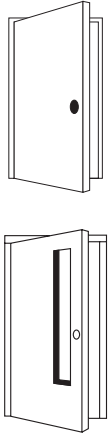
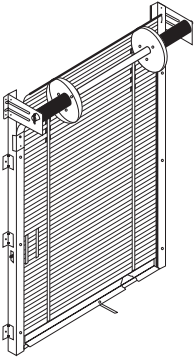
ITEM	GENERAL	PART NUMBER	ADHESIVE	LENGTH	WEIGHT
UNIVERSAL CLOSURE 	1 1/2" x 1"	HW-422A	NO	25'	.15 #
CLOSURE STRIP Specify Panel Configuration  Inside  Outside NOTE: Adhesive on outside closures only. Photo above does not represent all closure strips.	MasterRib® - Inside MasterRib® - Outside Ameri-Drain® - Inside Ameri-Drain® - Outside Monarch Rib® - Inside Monarch Rib® - Outside Perma Clad® - Inside Perma Clad® - Outside 5V Crimp® - Inside 5V Crimp® - Outside	HW-472 HW-473 HW-476 HW-477 HW-485 HW-486 HW-470 HW-471 HW-450 HW-452	NO YES NO YES NO YES NO YES NO YES	36" 36" 36" 36" 36" 36" 36" 36" 24" 24"	.03 # .06 # .03 # .06 # .03 # .06 # .03 # .06 # .03 # .04 #
EMSEAL FOAM 	GENERAL MasterRib® PBU Panel Perma Clad® Ameri-Drain® Monarch Rib® 5V Crimp®	PART NUMBER HW-513A HW-513A HW-513 HW-513 HW-513 HW-513	RECOMMENDED THICKNESS 1-1/2" 1-1/2" 1" 1" 1" 1"	CARTON SIZE 24 24 32 32 32 32	LENGTH 13'-2" 13'-2" 19'-8" 19'-8" 19'-8" 19'-8"
TAPE SEALER  FLAT	GENERAL 3/8" X 3/32" 1/2" X 3/32" 1" X 3/32"	PART NUMBER HW-505 HW-507 HW-506	CARTON SIZE 48 20 12	LENGTH 45'-0" 50'-0" 40'-0"	ROLL WEIGHT 1.70 # 1.70 # 3.50 # SOLD PER ROLL
 TRIPLE BEAD TAPE  TRI-BEAD TAPE	2 1/2" X 3/16" 7/8" X 3/16"	HW-502 HW-504	6 8	20'-0" 25'-0"	21.00 # 17.74 # SOLD PER CARTON

NOTES

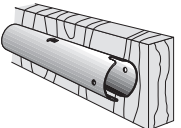
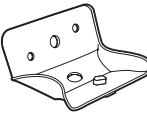
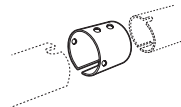
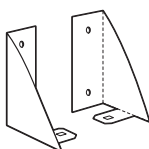
PRODUCT INFORMATION

ITEM	PIPE SIZE	PART NUMBER	TEMP. RANGE	BASE DIM	WEIGHT	SIZE
RUBBER ROOF JACK 	1/4"-2"	HW-1000	-65°-+212°	4 1/2"	.17 #	15
	1/4"-5"	HW-1001	-65°-+212°	8"	.50 #	15
	4"-7"	HW-1002	-65°-+212°	11"	.95 #	10
	6"-11"	HW-1003	-65°-+212°	14"	1.55 #	10
	7"-13"	HW-1004	-65°-+212°	17"	2.56 #	5
	HIGH TEMPERATURE					
	1/4"-5"	HW-1046	-100°-+437°	8"	.50 #	
	4"-7"	HW-1047	-100°-+437°	11"	.95 #	
	7"-13"	HW-1048	-100°-+437°	17"	2.56 #	
	10"-18"	HW-1049	-100°-+437°	25"	3.86 #	
	High Temperature per special order. Please inquire. UPS Charges apply					
RETROFIT RUBBER ROOF JACK 	1/2"-4"	HW-1005	-65°-+212°	8 3/16"	.74 #	5
	4"-9 1/4"	HW-1006	-65°-+212°	14 1/4"	2.20 #	1
	9 1/4"-16 1/4"	HW-1007	-65°-+212°	21 1/2"	11.00 #	1
	HIGH TEMPERATURE					
	1/2"-4"	HW-1060	-100°-+437°	8 3/16"	.74 #	5
	4"-9 1/4"	HW-1061	-100°-+437°	14 1/4"	2.20 #	1
	9 1/4"-16 1/4"	HW-1062	-100°-+437°	21 1/2"	11.00 #	1
	High Temperature per special order. Please inquire. UPS Charges apply					
ITEM	GENERAL	PART NUMBER	LENGTH	WIDTH	COLOR	WEIGHT
LIGHT TRANSMITTING PANEL LOW MODULUS/ NON-REINFORCED 5 OZ. WHITE 	MasterRib®	HW-1566D	2'	38"	White	2.40#
	MasterRib®	HW-1566C	8'	38"	White	9.80#
	MasterRib®	HW-1566A	10'	38"	White	12.81#
	MasterRib®	HW-1566B	12'	38"	White	14.60#
	MasterRib®	HW-1566E	12'	38"	Clear Fiberglass	14.60#
	MasterRib®	HW-1689	12'	38"	Clear Polycarb	8.40#
	Perma Clad®	HW-1564	12'	38"	White	11.30#
	Ameri-Drain®	HW-1654	12'	38"	White	11.28#
	Ameri-Drain®	HW-1400	12'	38"	Clear	14.60#
	Monarch Rib®	HW-1683	12'	38"	White	11.28#
LIGHT TRANSMITTING RIDGE PANEL 	Use with all panel profiles	HW-1698	10'-6"	24"	Fiberglass	6.70#
		HW-1688	10'-6"	24"	Clear Polycarb	6.70#
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.						

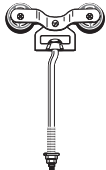
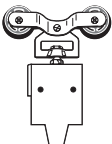
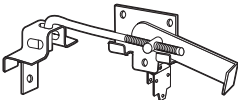
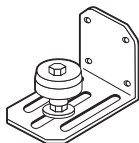
PRODUCT INFORMATION

ITEM	GENERAL	PART NUMBER	SIZE	FINISH	WEIGHT
3070M AG DOOR 	NOTE: All doors include frame, leaf, hinges, and threshold. ADA regulations require lever lockset for public access buildings.	HW-9200 HW-9201	3070 M 3070 NL	White White	162.00 # 162.00#
ROLL UP DOOR PKG 	Please contact your ABC sales representative for information on metal roll-up door options for your project.				

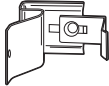
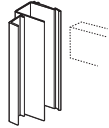
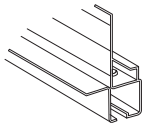
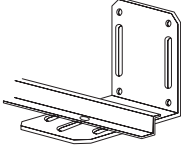
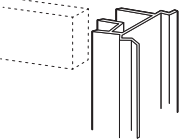
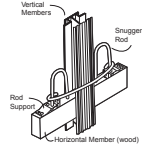
PRODUCT INFORMATION

ITEM	GENERAL	LENGTH	WEIGHT
T1 PLY-TRACK 	14-Gauge Track Brackets at 2' Centers	8' 10' 12'	16.80 # 21.00 # 25.20 #
T2A SIDE MOUNT BRACKET 		N/A	.2 #
T2B SIDE MOUNT BRACKET (FOR COVER) 		N/A	.6 #
T3 SPLICE COLLAR 	One for each piece of track in the run less one.	N/A	.61 #
T4 ENDCAP WITH MOUNTING BOLT 	Two for each track run.	N/A	.20 # per pair
T5F END TRIM FACE MOUNT (WHITE) 	Two for each track run. Packaged with screws for face mount cover.	N/A	.6 # per pair

PRODUCT INFORMATION

ITEM	GENERAL	LENGTH	WEIGHT
T6 ADJUSTABLE OFFSET BOLT TROLLEY HANGER (DELRIN®) 	Rated for 500 lbs.	9 ½" BOLB	4.6 # per pair
T7 ADJUSTABLE OFFSET TROLLEY HANGER (DELRIN®) 	One pair for wood frame doors up to 1 13/16" in thickness.	N/A	6.80 # per pair
T9 JAMB LATCH 	Adjustable 7" jamb holds door firmly in place against jamb. This latch can be used for right or left hand application.	N/A	1
T10 JUMBO DOOR PULL 	White (vinyl coated) Zinc Plated	N/A N/A	.50 # .51 #
T11 ADJUSTABLE OFFSET STAY ROLLER 	Galvanized	N/A	1.90 #
T12 ADJUSTABLE DOOR GUIDE AND STOP 	Galvanized	N/A	3 #

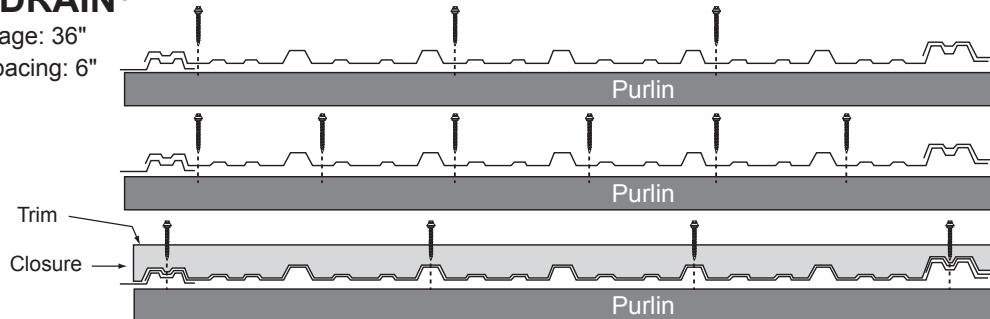
PRODUCT INFORMATION

ITEM	GENERAL	LENGTH	WEIGHT
T13 DOOR STOP ADJUSTABLE 	Galvanized	N/A	1.10 #
T18 SIDERAIL 	White Only Not Punched	10' 12' 14' 16'	7.60 # 9.12 # 10.64 # 12.16 #
T19 BOTTOM RAIL 	White Only Attaches to wood bottom rail and used with T20 Guiderail.	10' 12' 14' 16'	8.00 # 9.60 # 11.20 # 12.80 #
T20 GUIDERAIL 5'-0" T20 GUIDERAIL 10'-0" 	Brackets and hardware included.	5' 10'	6 # 12 #
T21 DOUBLE COUPLE 	White Only Not Punched Siderail and "H" vertical rail for split door closures.	10' 12' 14' 16'	9.30 # 11.16 # 13.02 # 14.88 #
T22 CENTER SNUGGERLATCH 		5 1/2"	1.71 #

PRODUCT INFORMATION

AMERI-DRAIN®

Panel Coverage: 36"
Major Rib Spacing: 6"



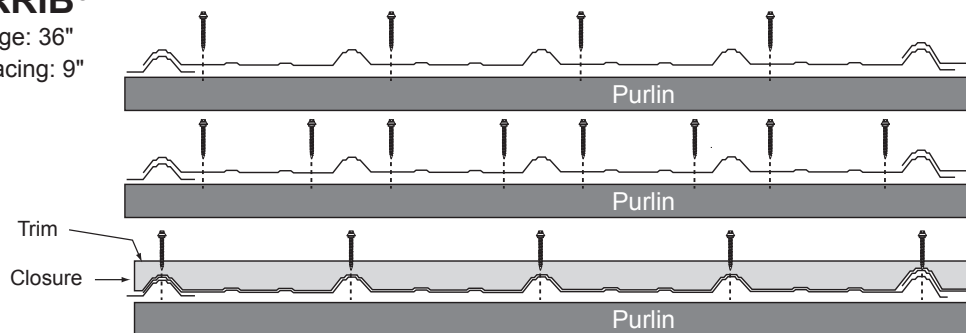
Typical fastener placement at intermediate purlins.

Typical fastener placement at endlaps and eave strut.

Typical fastener placement at ridge.

MASTERRIB®

Panel Coverage: 36"
Major Rib Spacing: 9"



Typical fastener placement at intermediate purlins.

Typical fastener placement at endlaps and eave strut.

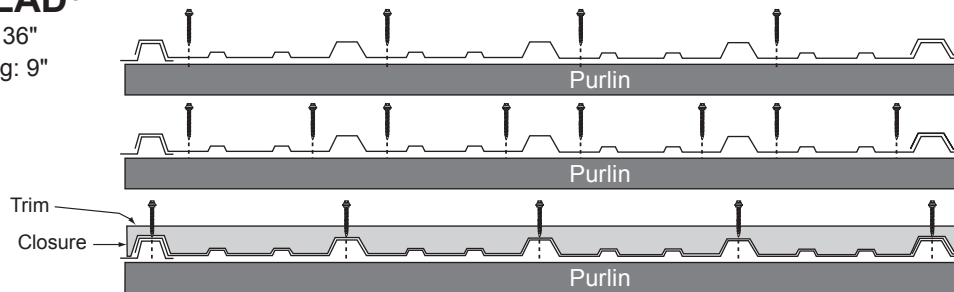
Typical fastener placement at ridge.

Note: Using a depth setting nosepiece is recommended for proper installation.

PRODUCT INFORMATION

PERMA-CLAD®

Panel Coverage: 36"
Major Rib Spacing: 9"



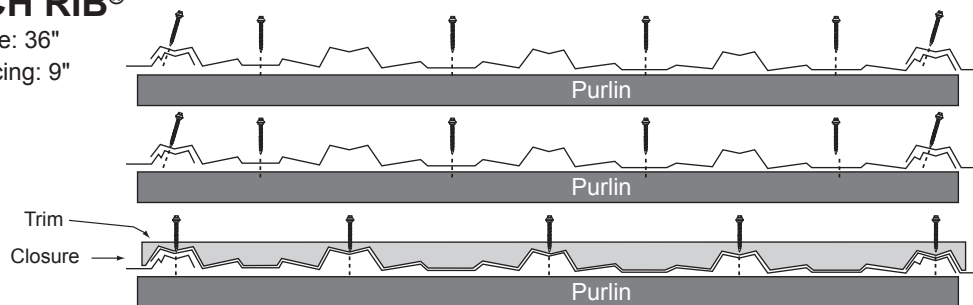
Typical fastener placement at intermediate purlins.

Typical fastener placement at endlaps and eave strut.

Typical fastener placement at ridge.

MONARCH RIB®

Panel Coverage: 36"
Major Rib Spacing: 9"



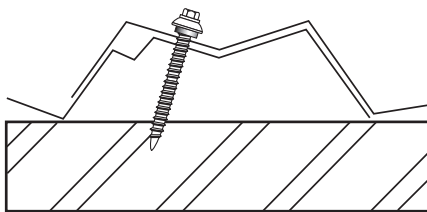
Typical fastener placement at intermediate purlins.

Typical fastener placement at endlaps and eave strut.

Typical fastener placement at ridge.

FOR MONARCH RIB® ONLY

IMPORTANT: Screw perpendicular to slanted surface as indicated



DRILLING / DRIVING TIPS FOR ALL OUR RIBS

IMPORTANT: Apply sufficient torque to seat the washer, DO NOT OVER DRIVE THE FASTENER.

IMPORTANT: Remove any metal filings created during fastener placement to prevent rust marks on the panel surface.

WASHER	CORRECT	TOO LOOSE	TOO TIGHT
Weather-gard dome			

NOTE: 80 fasteners per square average quantity for roof. 60 Fasteners per square average quantity required for walls. You may require more or less depending on design requirement. Consult a qualified engineer or architect for specific requirements needed to meet local design codes, weather conditions or other related factors.

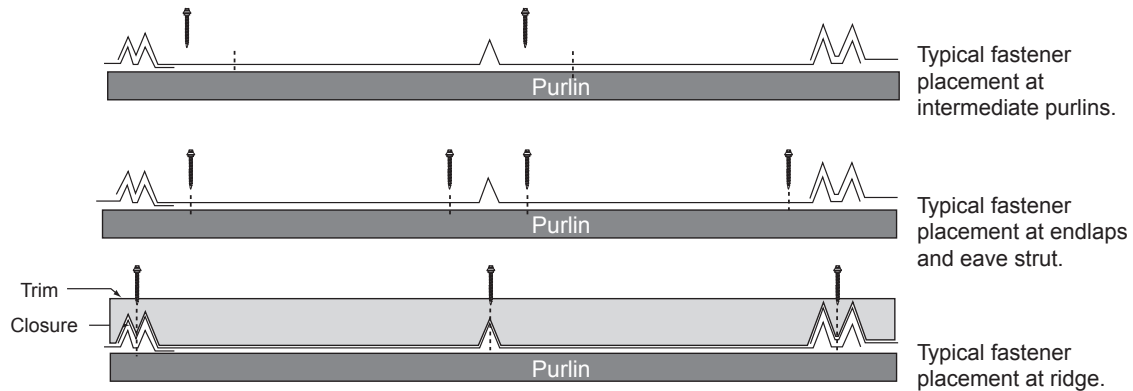
Note: Using a depth setting nosepiece is recommended for proper installation.

PRODUCT INFORMATION

5V CRIMP

Panel Coverage: 24"

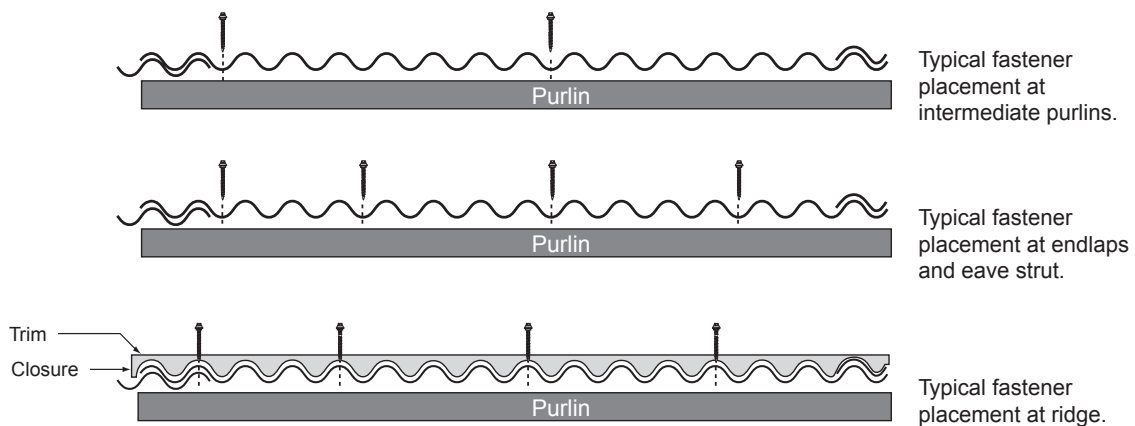
Major Rib Spacing: 12"



1 1/4" CORRUGATED

Panel Coverage: 24"

Not recommended for roofing applications



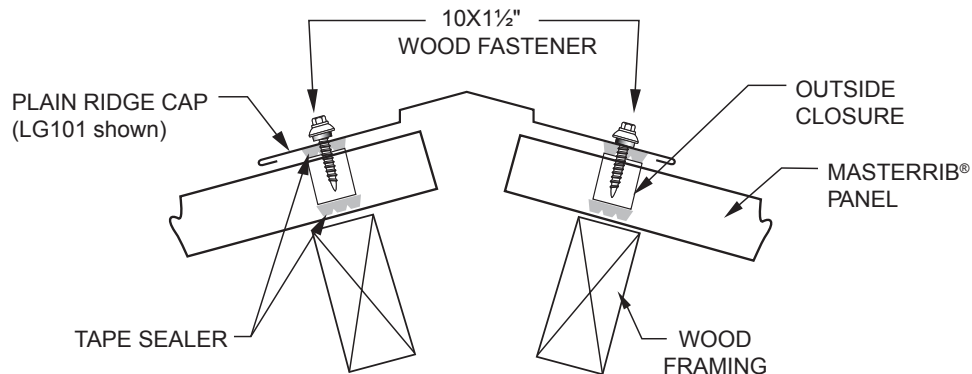
American Building Components recommends a #14 X 1", Type "A", hex head fastener with washer for all exposed fastener panels applied over a plywood or OSB substrate. The use of a #9 or #10 wood fastener into plywood or OSB substrates is not recommended. This refers to exposed fastener panels installed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

Note: Using a depth setting nosepiece is recommended for proper installation.

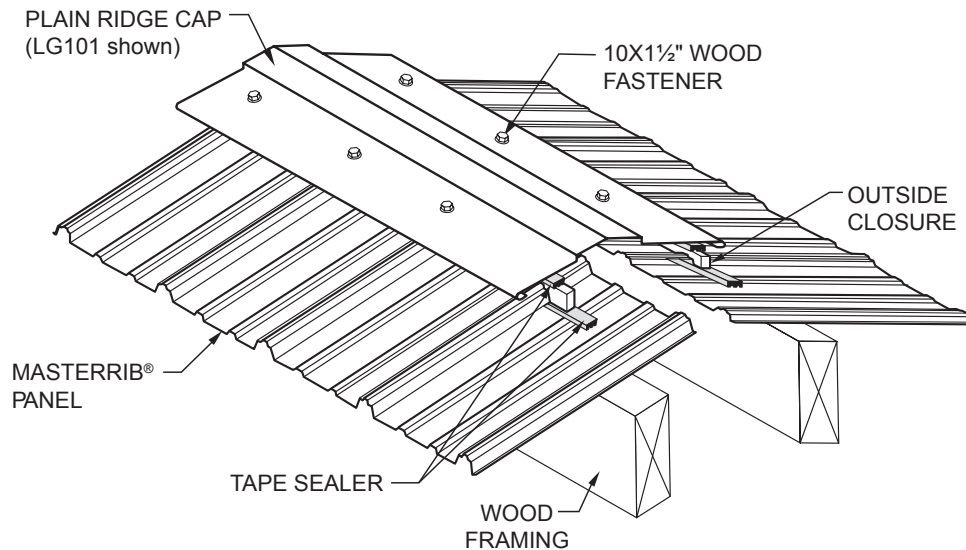
DETAILS

RIDGE APPLICATION DETAIL

CROSS SECTION OF RIDGE



ISOMETRIC VIEW OF RIDGE

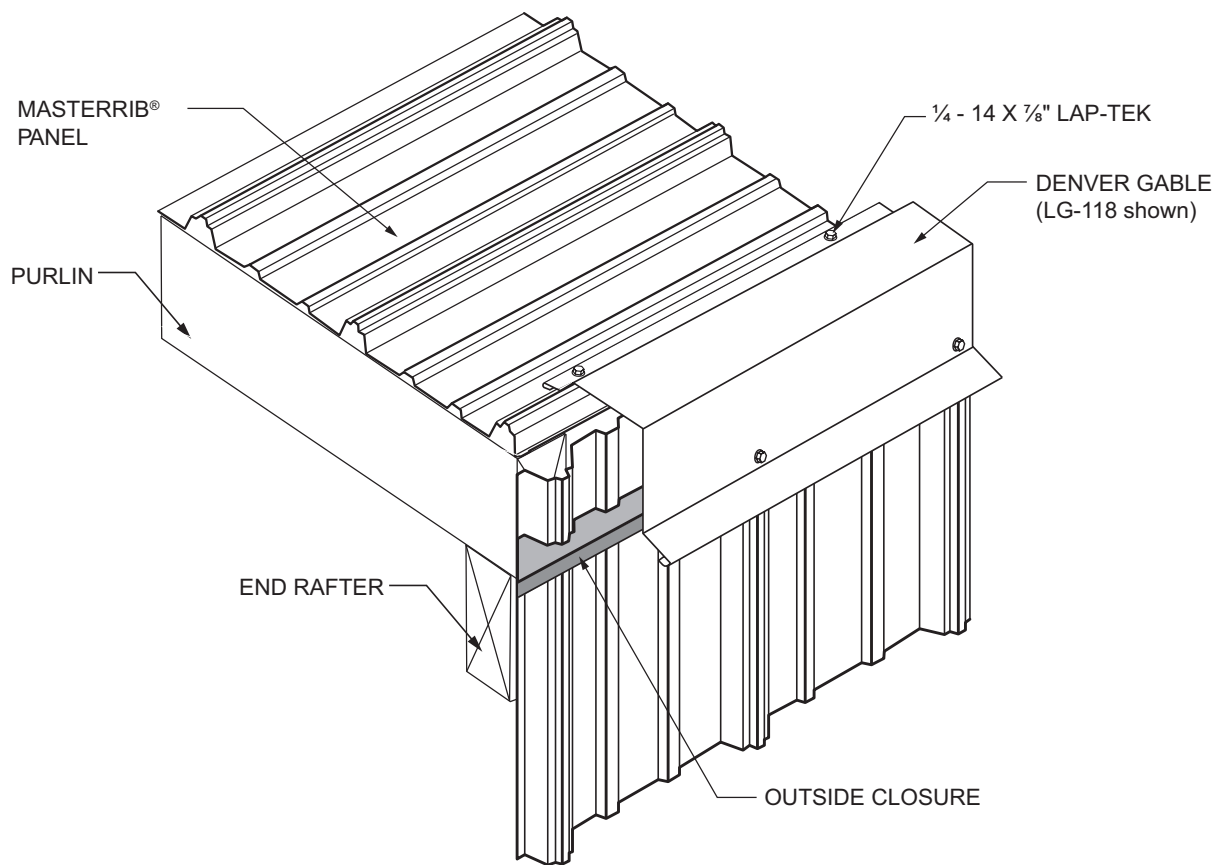


NOTES:

1. Stop panels 2" from center line of ridge or leave a gap of 1¼" between panels at the peak.
2. Install tape sealer across width of panels. Top edge of tape sealer is 1¼" from top edge of panel. Install outside closures or vent material on top of tape sealer. Install additional run of tape sealer on top of outside closure or vent material.
3. Attach Plain Ridge Cap (LG101 shown) or Ridge/Hip (CF101) with 10 x 1½" wood fasteners. Install fasteners at each major rib in the panel to avoid dimpling the ridge cap.

DETAILS

RAKE/GABLE DETAIL



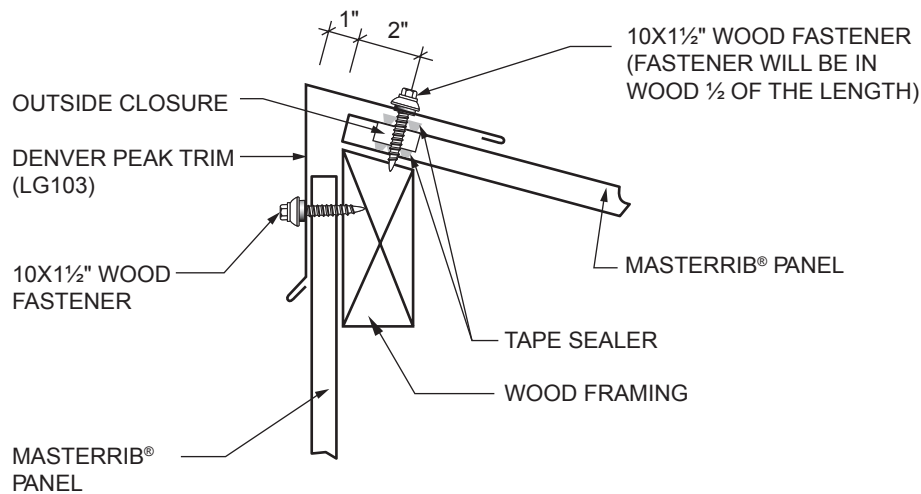
NOTES:

1. Attach Rake/Gable trim (LG118 shown) with 10 X 1 1/2" woodgrip or 14 x 7/8" lap tek.
2. Sealant Tape and Closure Strip is recommended.

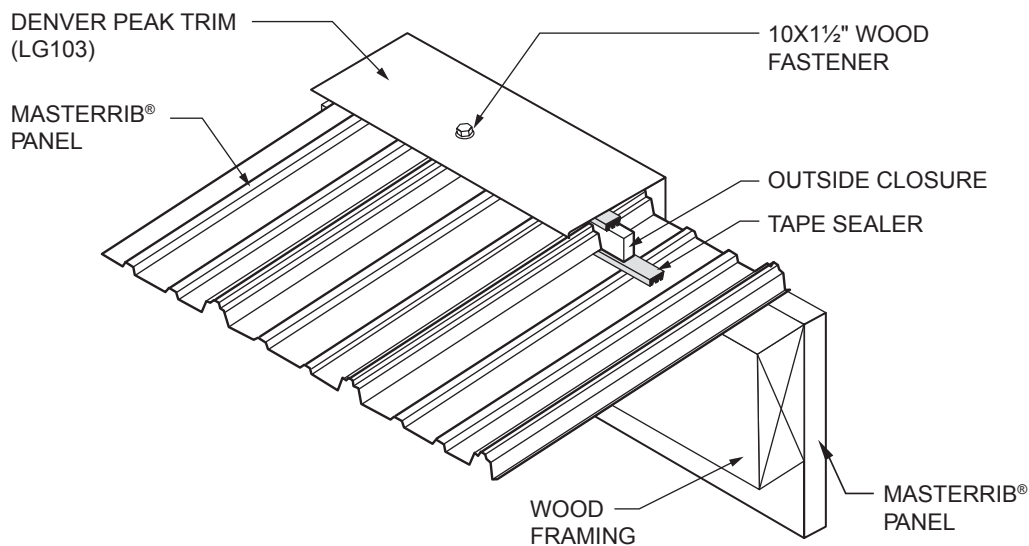
DETAILS

DENVER PEAK TRIM APPLICATION DETAIL

CROSS SECTION OF DENVER PEAK TRIM



ISOMETRIC VIEW OF DENVER PEAK TRIM



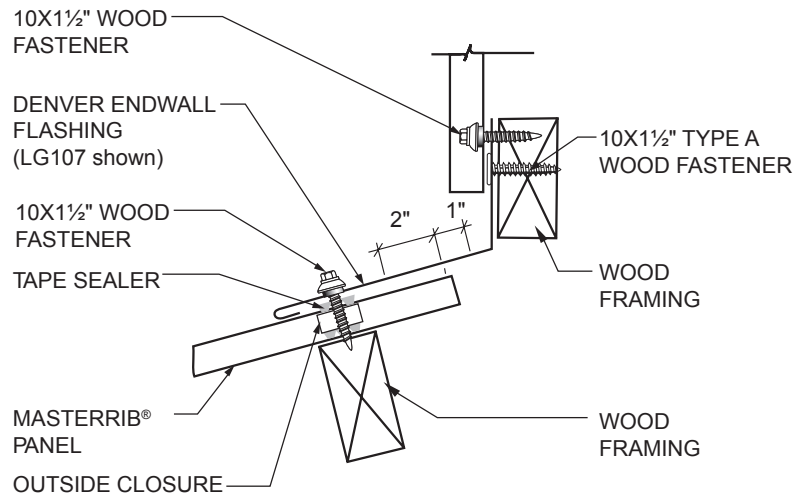
NOTES:

1. Install tape sealer across width of panels. Install outside closures on top of tape sealer. Install additional run of tape sealer on top of outside closures.
2. Attach Denver Peak Trim (LG103) to panels with 10 x 1½" wood coated fasteners through all major ribs.

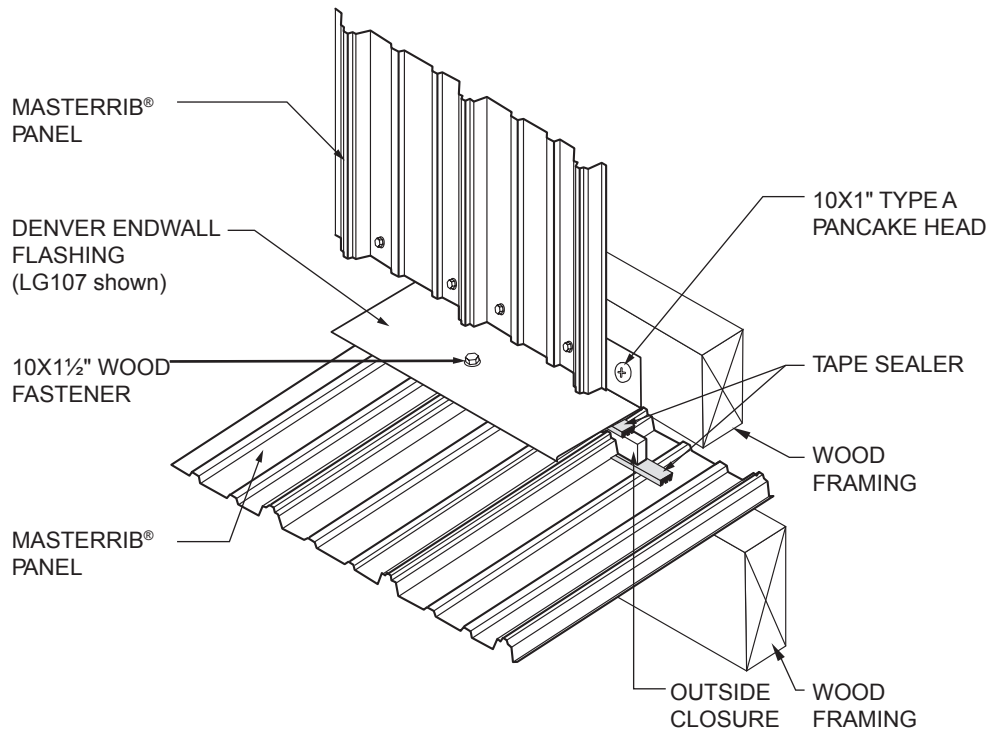
DETAILS

ENDWALL FLASHING APPLICATION DETAIL

CROSS SECTION OF ENDWALL FLASHING



ISOMETRIC VIEW OF ENDWALL FLASHING



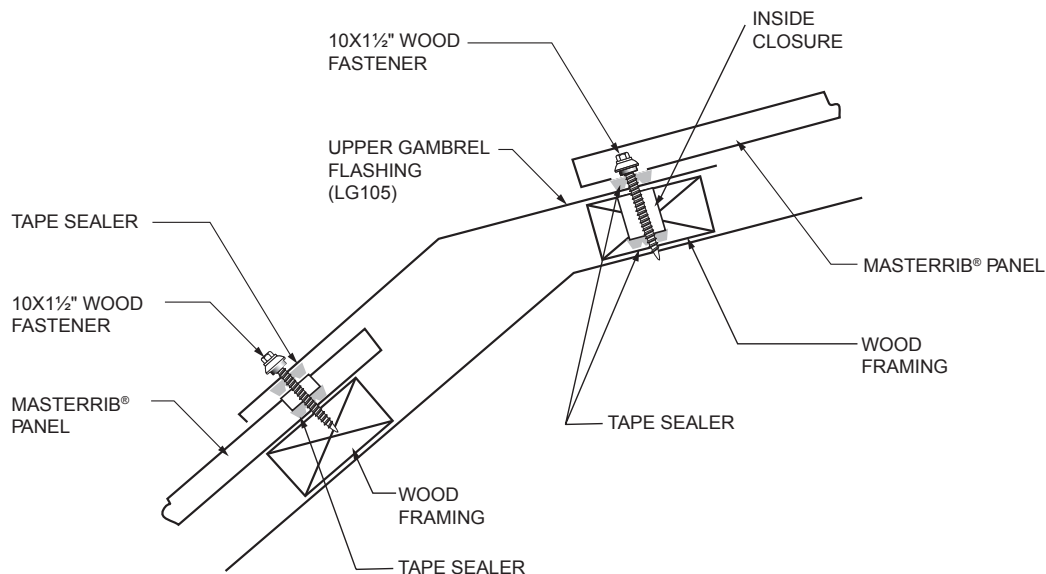
NOTES:

1. Install tape sealer across width of panels. Install outside closures on top of tape sealer. Install additional run of tape sealer on top of outside closures.
2. Attach Denver Endwall Flashing (LG107) to panels with 10 x 1 1/2" woodgrip coated fasteners through all major ribs.

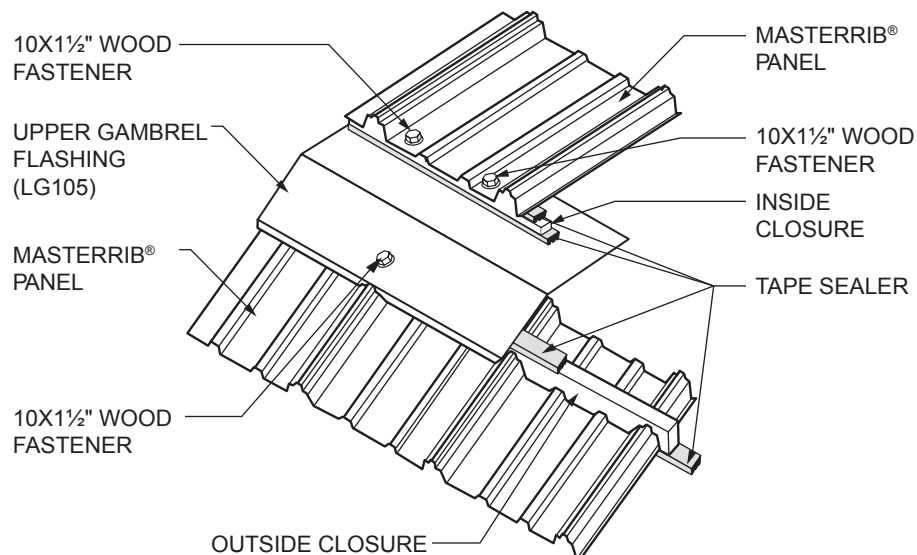
DETAILS

UPPER GAMBREL FLASHING APPLICATION DETAIL

CROSS SECTION OF UPPER GAMBREL FLASHING



ISOMETRIC VIEW OF UPPER GAMBREL FLASHING



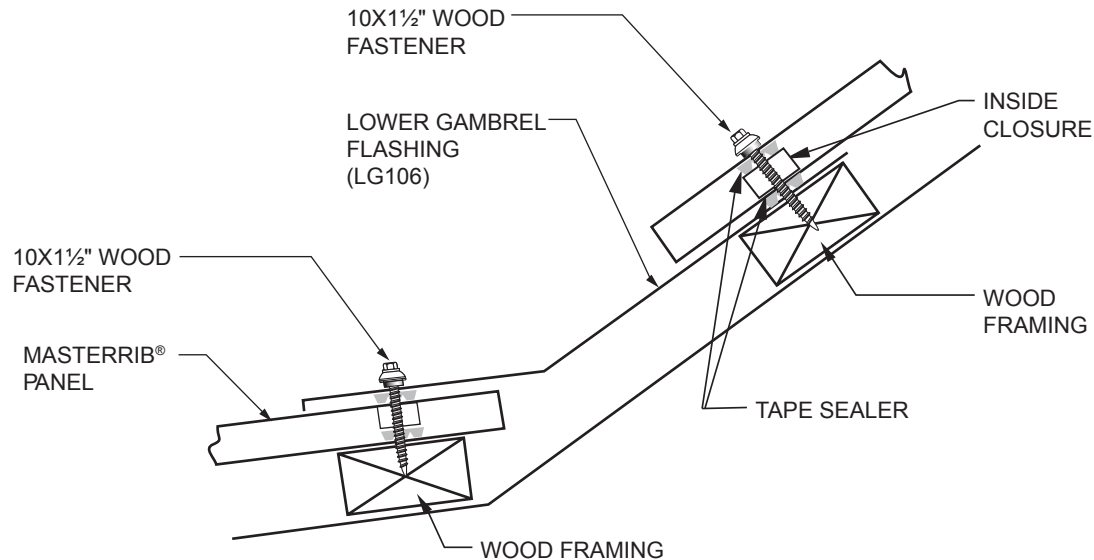
NOTES:

1. After installing MasterRib® panels on the lower roof section, install tape sealer across width of panels. Install outside closures on top of tape sealer. Install additional run of tape sealer on top or outside closures. Use fasteners to attach Upper Gambrel Flashing (LG105) to panel at all major ribs. Be sure that fasteners pierce closures and tape sealer.
2. Install tape sealer along length of Gambrel Flashing at eave line. Install inside closures on top of tape sealer. Install additional run of tape sealer on top of inside closures.
3. Install panels on upper roof section, making sure that eave fasteners are installed on each side of panel ribs and that they pierce closures and tape sealer.
4. To ensure alignment of upper and lower panel ribs, install lower panel, then gambrel flashing, then upper panel. Continue this process across the remainder of the roof's surface.

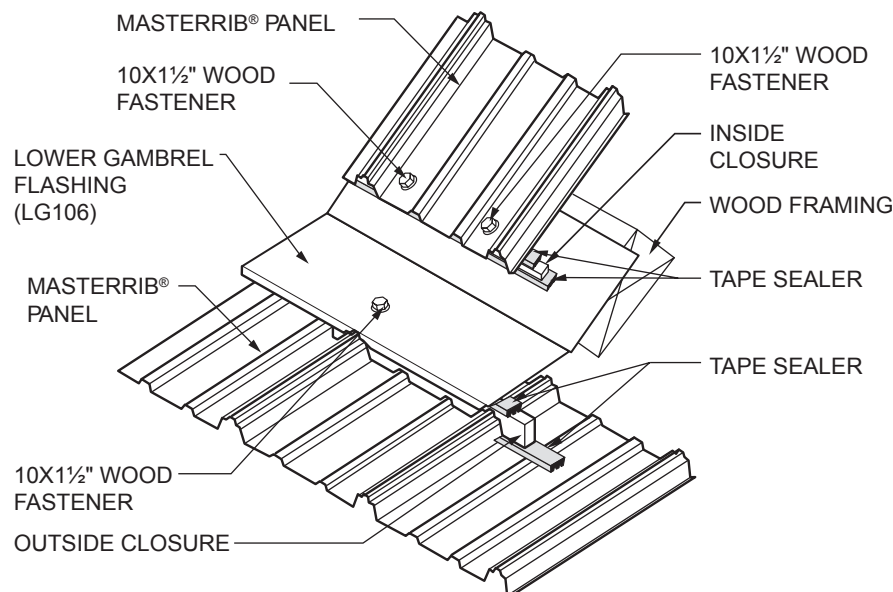
DETAILS

LOWER GAMBREL FLASHING APPLICATION DETAIL

CROSS SECTION OF LOWER GAMBREL FLASHING



ISOMETRIC VIEW OF LOWER GAMBREL FLASHING



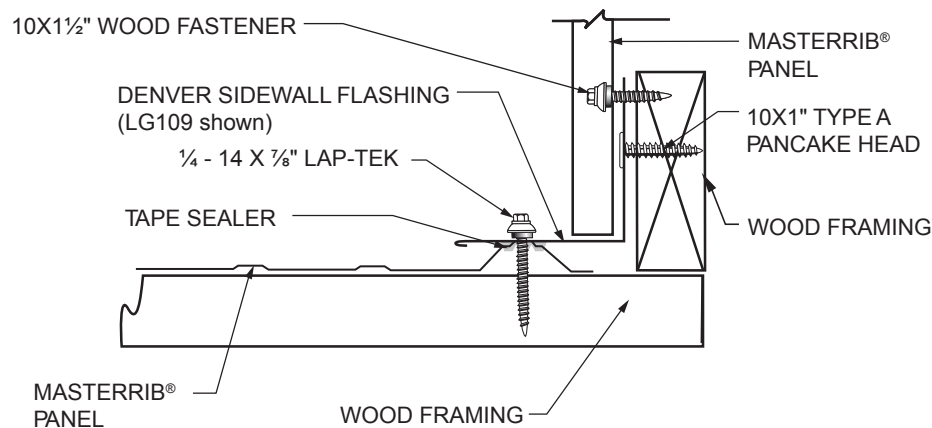
NOTES:

1. After installing MasterRib® panels on the lower roof section, install tape sealer across width of panels. Install outside closures on top of tape sealer. Install additional run of tape sealer on top or outside closures. Use fasteners to attach Lower Gambrel Flashing (LG106) to panel at all major ribs. Be sure that fasteners pierce closures and tape sealer.
2. Install tape sealer along length of Gambrel Flashing at eave line. Install inside closures on top of tape sealer. Install additional run of tape sealer on top of inside closures.
3. Install panels on upper roof section, making sure that eave fasteners are installed on each side of panel ribs and that they pierce closures and tape sealer.
4. To ensure alignment of upper and lower panel ribs, install lower panel, then gambrel flashing, then upper panel. Continue this process across the remainder of the roof's surface.

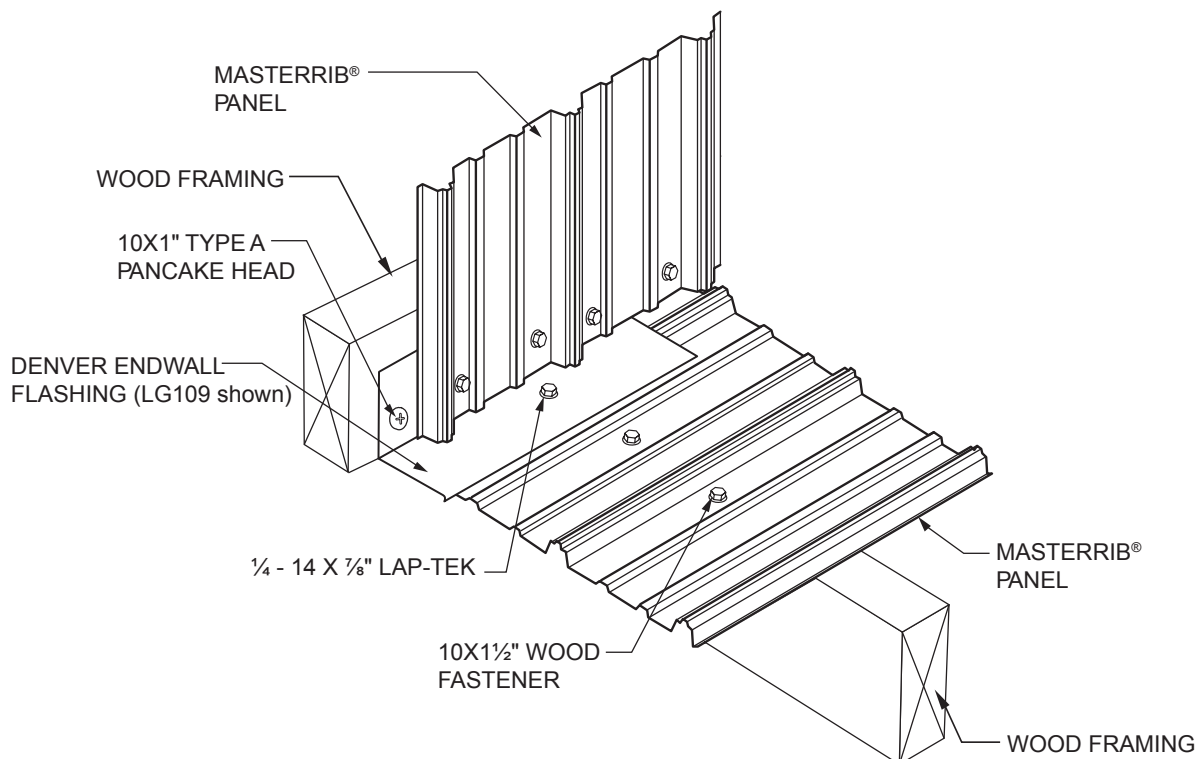
DETAILS

DENVER SIDEWALL FLASHING APPLICATION DETAIL

CROSS SECTION OF DENVER SIDEWALL FLASHING



ISOMETRIC VIEW OF DENVER SIDEWALL FLASHING



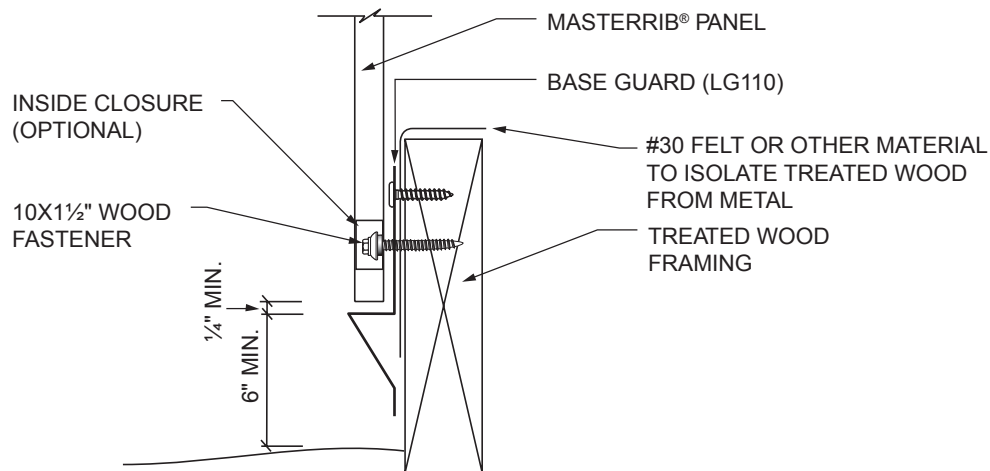
NOTES:

1. Install tape sealer across width of panels. Install outside closures on top of tape sealer. Install additional run of tape sealer on top of outside closures.
2. Attach Denver Sidewall Flashing (LG109) to panels with 10 x 1 1/2" wood coated fasteners through all major ribs.

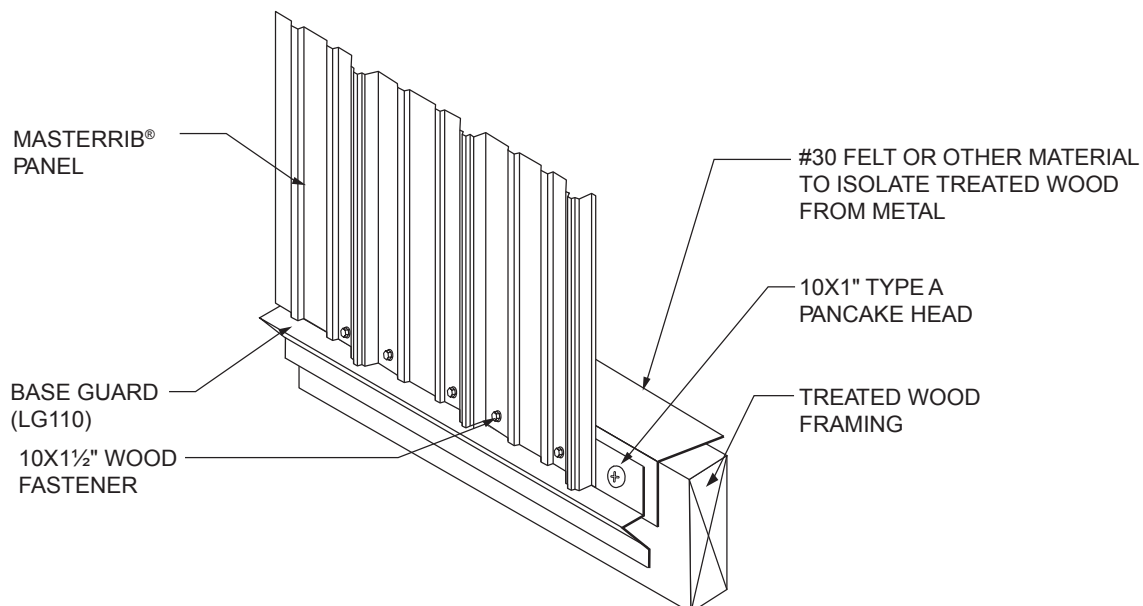
DETAILS

BASE GUARD DETAIL

CROSS SECTION OF BASE GUARD



ISOMETRIC VIEW OF BASE GUARD



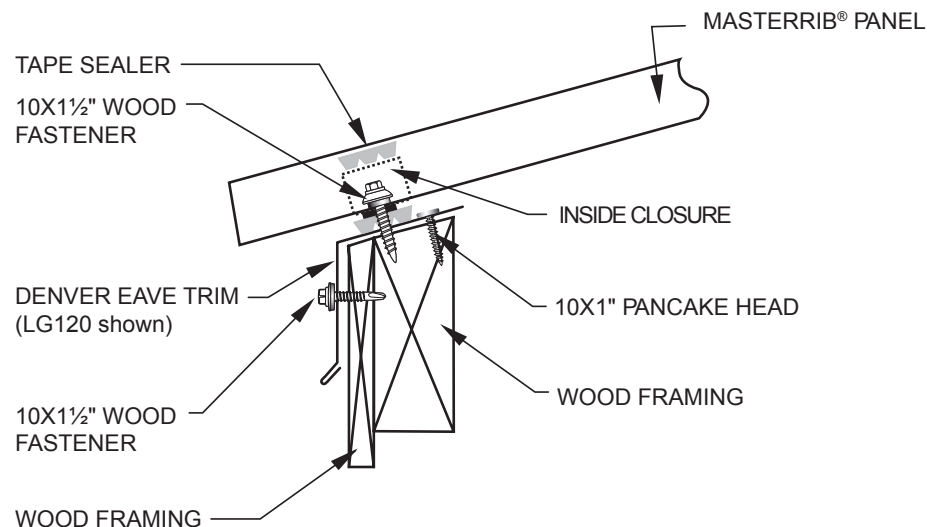
NOTES:

1. Attach Base Guard (LG110) with 10 x 1 Type A Pancake Head fasteners at 3'-0" on center, making sure trim is level.
2. Maintain a minimum 6" gap between soil and Base Guard (LG110).

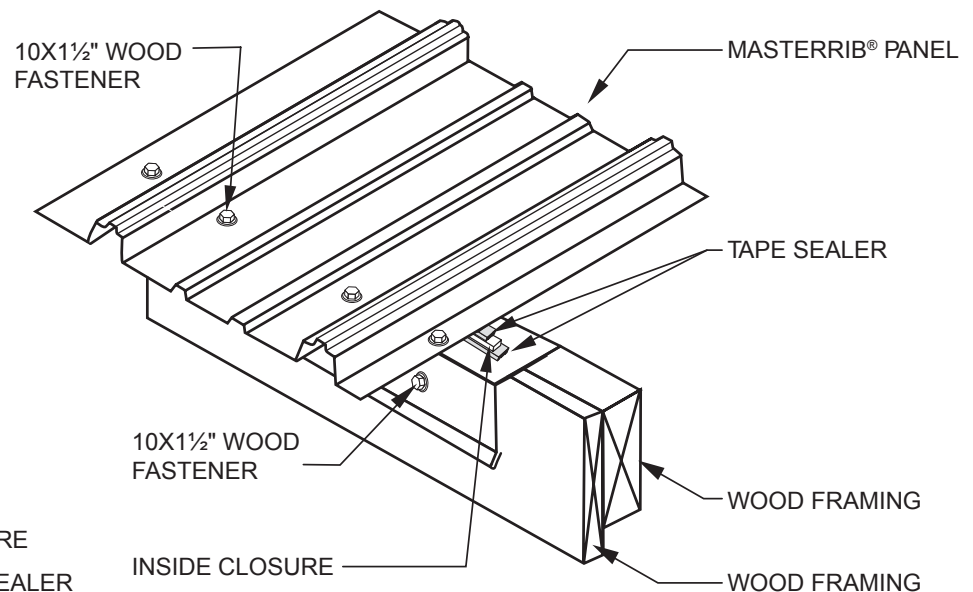
DETAILS

DENVER EAVE TRIM APPLICATION DETAIL

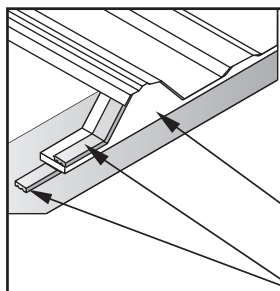
CROSS SECTION OF DENVER EAVE TRIM



ISOMETRIC VIEW OF DENVER EAVE TRIM



Panel End Detail

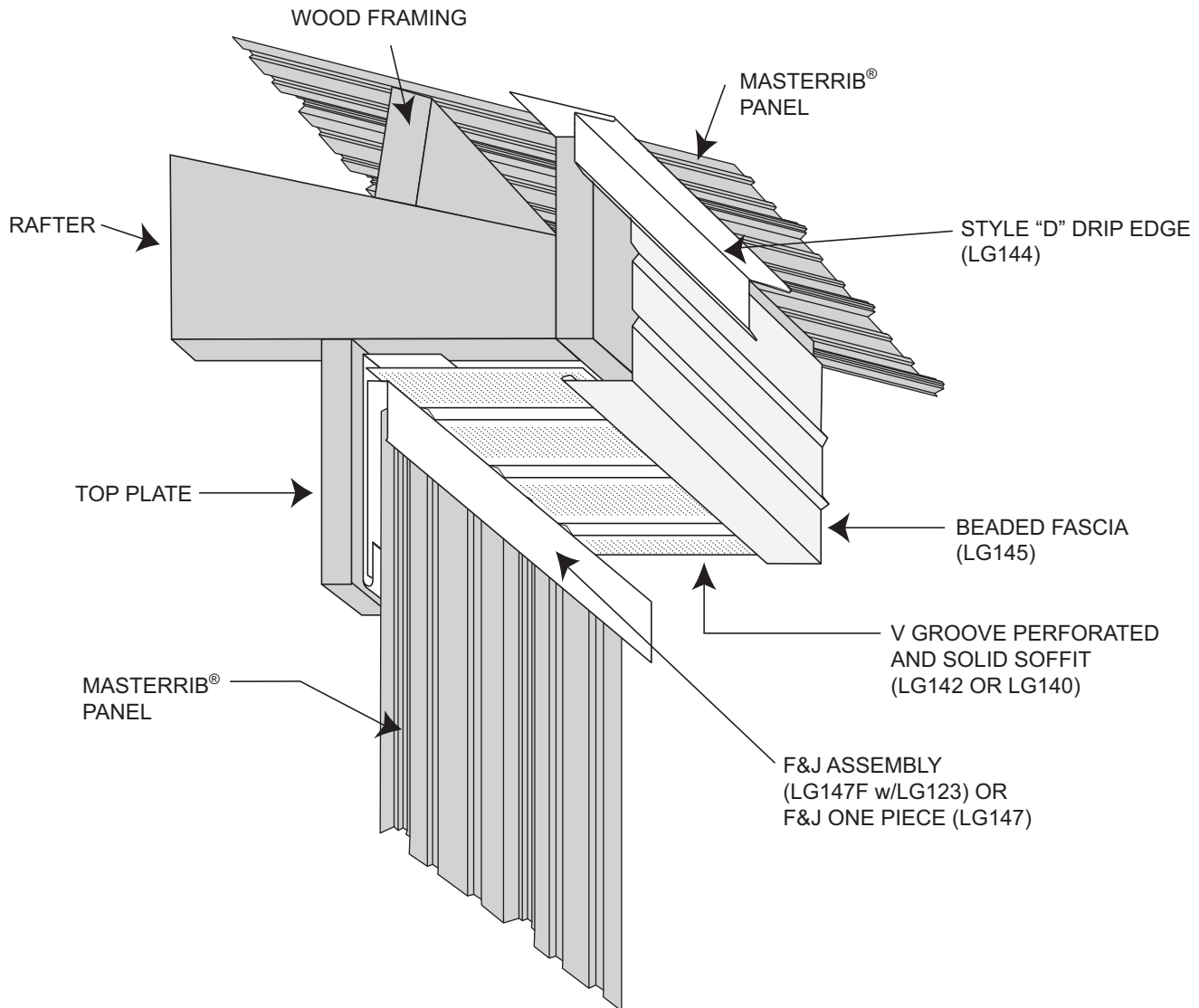


NOTES:

1. Attach Denver Eave Trim (LG120 shown) or Eave Flashing (LG119) to wood framing with 10 x 1" Type A pancake head fasteners (2 fasteners per 10' section)
2. Install tape sealer along top leg of Denver Eave Trim (LG120 shown) or Eave Flashing (LG119). Install inside closure on top of tape sealer. Apply tape sealer to top of outside closure.
3. Install panels with required overhang at eave (3" recommended) and fasten to wood framing with 10 x 1½" wood fastener on either side of panel ribs.

DETAILS

SOFFIT AND FASCIA APPLICATION DETAIL

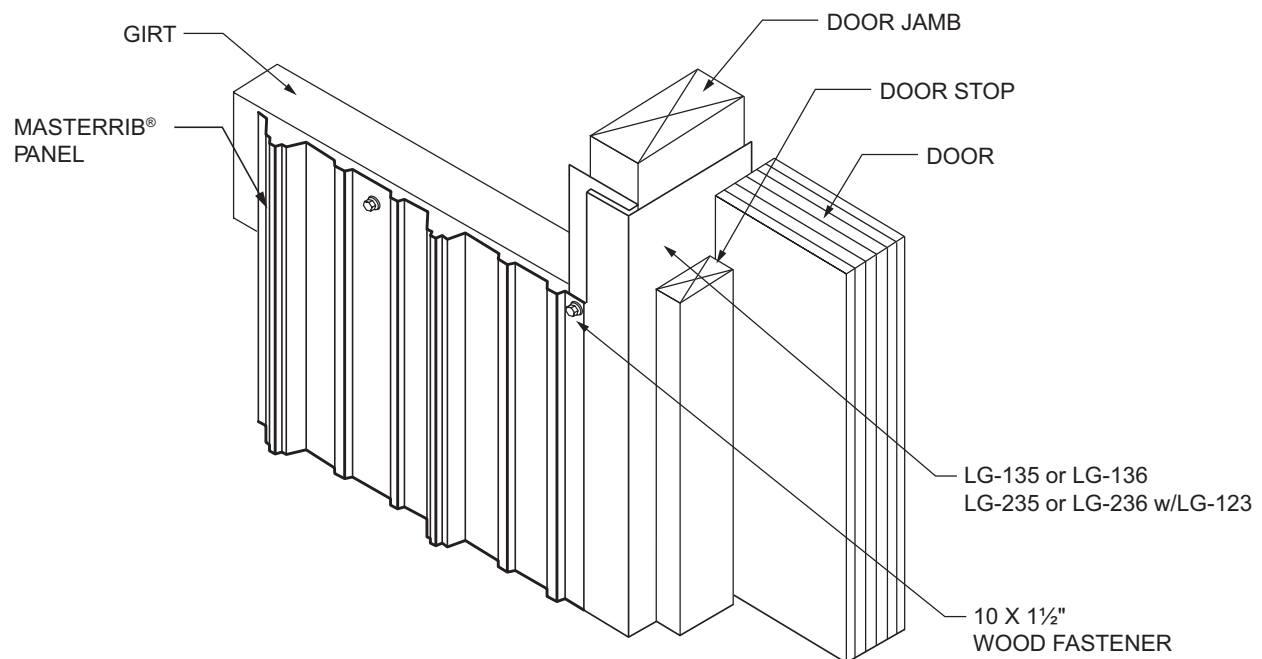


NOTES:

1. Attach Drip Edge trim (LG144 shown) to wood framing with 10 x 1" Type A pancake head fasteners (2 fasteners per 10' section).
2. Alternate width fascia and sheared soffit available, please inquire with sales representatives.

DETAILS

DOOR JAMB DETAIL



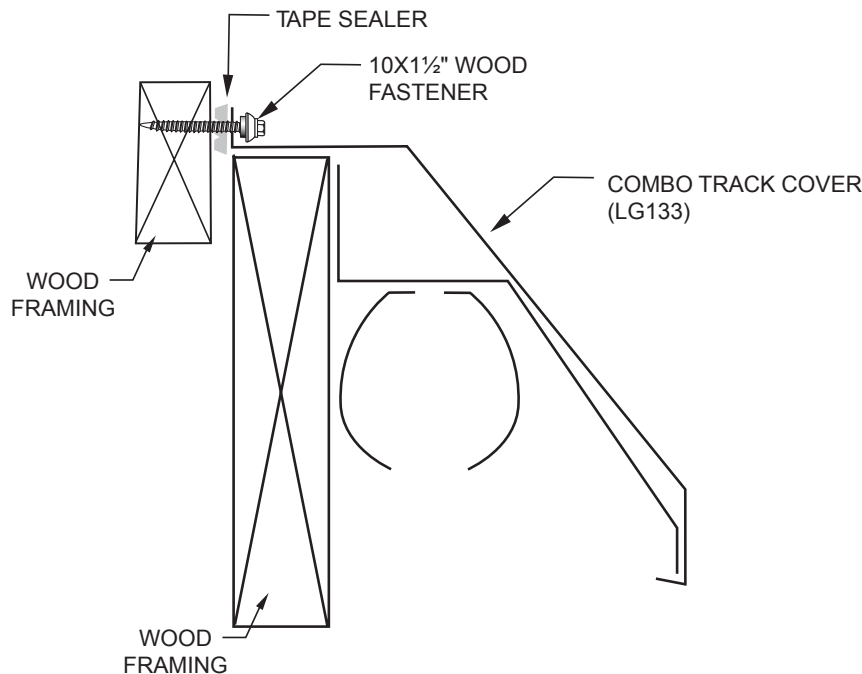
NOTES:

1. Fasten wall panel and secure door trim (LG135 shown) to wood framing with 10 x 1½" wood fastener.
2. Custom width trims available, please inquire with sales representatives.

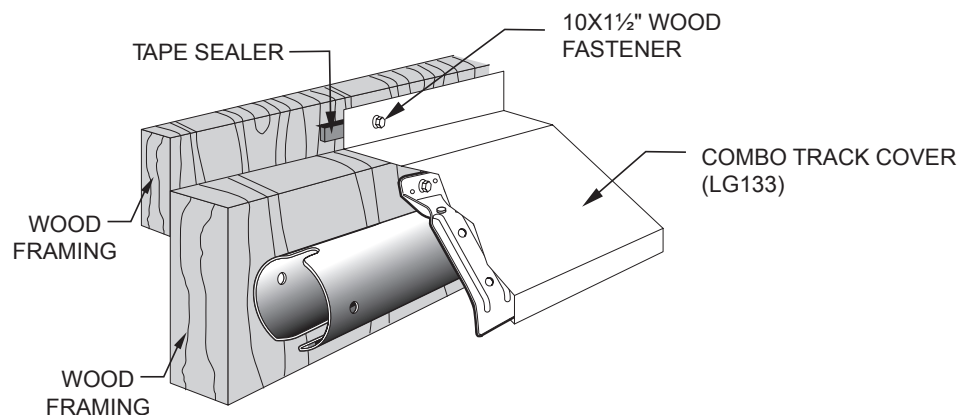
DETAILS

COMBO TRACK COVER APPLICATION DETAIL

CROSS SECTION OF COMBO TRACK COVER



ISOMETRIC VIEW OF COMBO TRACK COVER



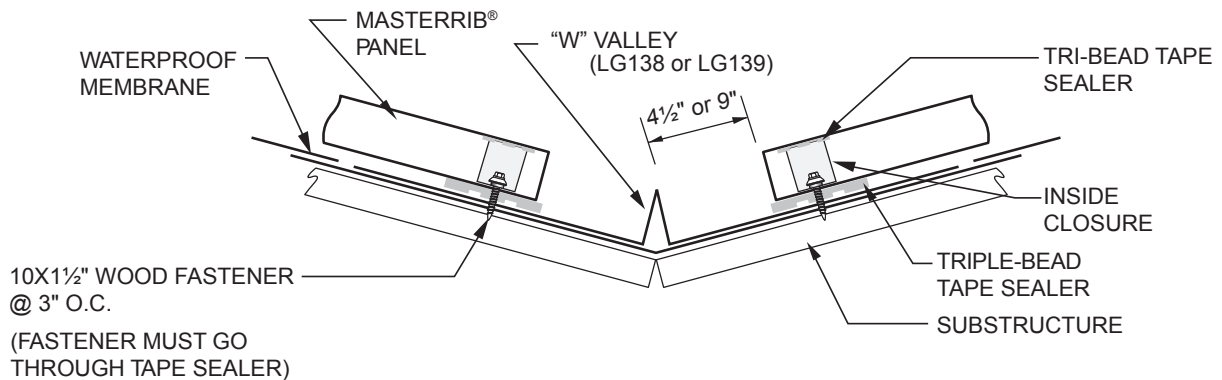
NOTES:

1. Lock brackets into slots in TI ply track. Attach track unit to door opening.
2. Attach T2B side mount bracket at Combo Track Cover trim joints and at mid points.
3. Attach Combo Track Cover (LG133) over track unit making sure the T2B track cover bracket is locked into the open hem of the Combo Track Cover (LG133).

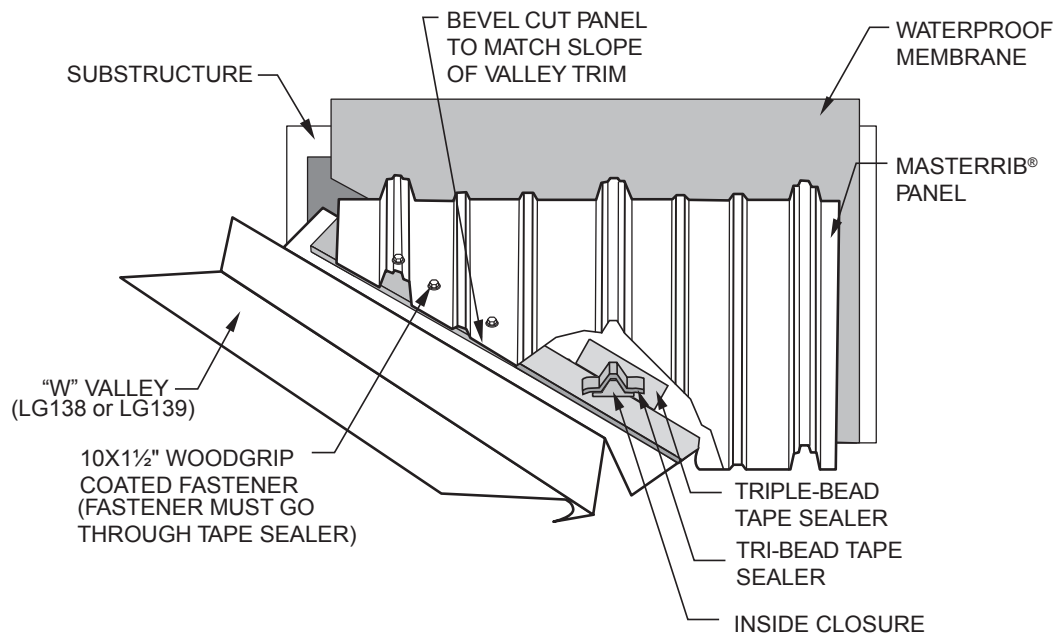
DETAILS

“W” VALLEY DETAIL

CROSS SECTION OF “W” VALLEY OVER WOOD DECK



ISOMETRIC VIEW OF “W” VALLEY OVER WOOD DECK



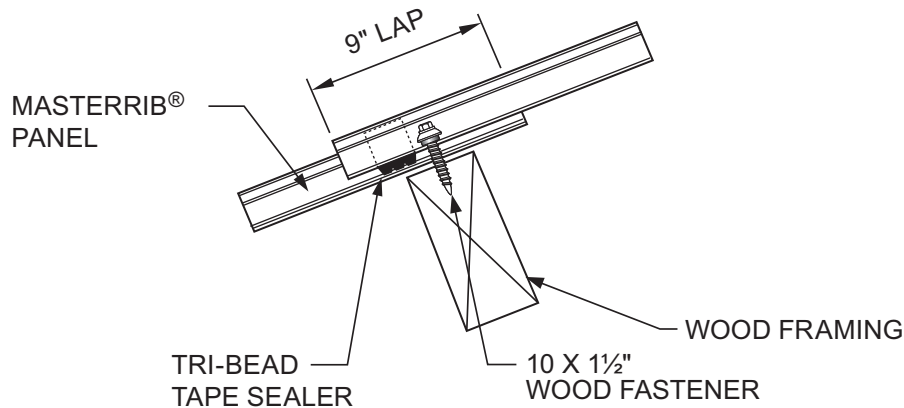
NOTES:

1. For valleys 30' or less in length, use “W” Valley LG138. Valleys longer than 30' require extended valley trim, LG139.
2. Use waterproof in the valley area, or other acceptable water proofing.
3. Apply triple-bead tape sealer to “W” Valley (LG138 or LG139) parallel to slope. Bottom edge of tape sealer is 4½" from center of “W” Valley (LG138) for standard valleys and 9" for extended valleys (LG139). Additional triple-bead tape sealer is required at each panel rib location.
4. Install rib section of inside closure that has been field cut from standard 36" straight closure at each panel rib location. Place the cut closure square with the rib of the panel. Install tri-bead tape sealer to top of inside closure prior to laying panel edge down on top of the cut closure. The tape sealer with proper fastener sequence will seal the minor ribs of the panel that are between the major ribs.
5. Bevel cut panel to match slope of “W” Valley (LG138 or LG139).
6. Fasten panel at valley with 10 x 1½" wood fastener 3" O.C. maximum.

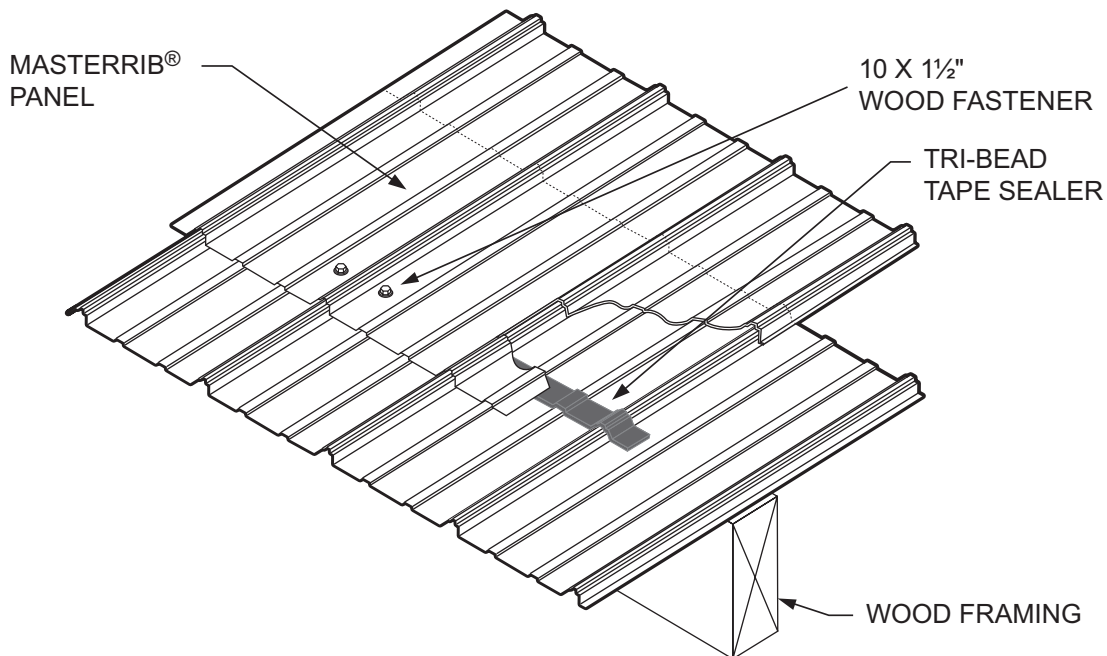
DETAILS

ENDLAP DETAIL

CROSS SECTION OF ENDLAP OVER WOOD



ISOMETRIC VIEW OF ENDLAP OVER WOOD



NOTES:

1. Panel endlap is 9" under 4:12 pitch, over 4:12, 6" is required.
2. Install tri-bead tape sealer across width of bottom panel before installation of top panel. Top edge of tape sealer is 4¾" from up slope end of bottom panel.
3. May be installed over purlins or a solid substrate.
4. Reference fastener pattern page for endlap fastener placement.



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