

GOLDIN METALS, INC.

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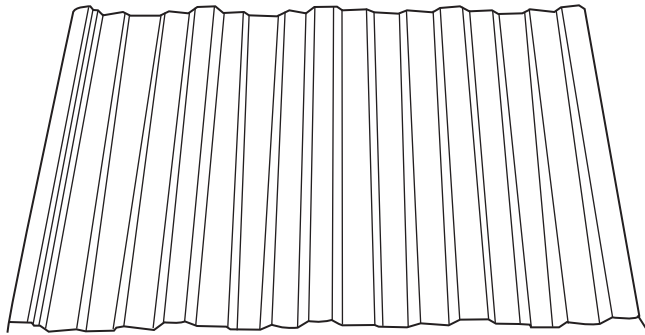
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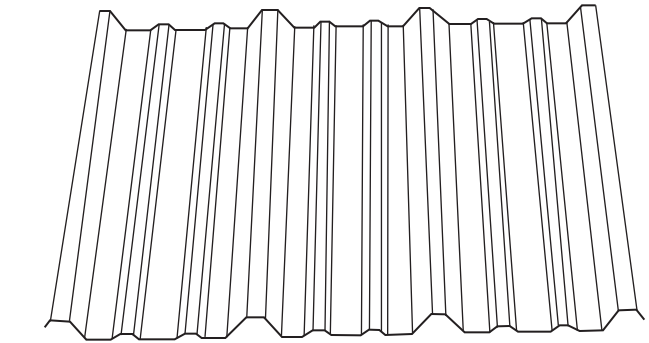
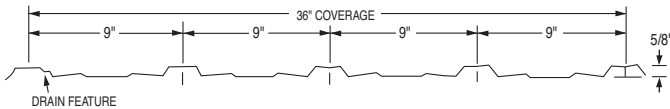
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**Metal Building Component Manufacturer
Steel Service Center**

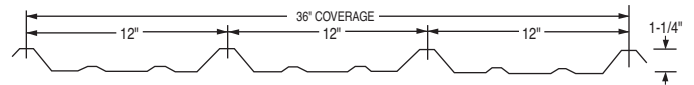
RIB PANEL INSTALLATION



GOLDIN PANEL



R-PANEL



STORAGE AND HANDLING

Prior to installation, store painted, galvalume and galvanized Rib Panels only in a dry place. Do not store outdoors, nor in any indoor area subject to moisture. Stand panels on end and fanned out at the bottom to provide air circulation, or stack flat in piles on blocks or racks to protect bottom panels from ground moisture. In handling all Rib Panels, lift up and do not slide panels when unstacking or the finish coating may be damaged.

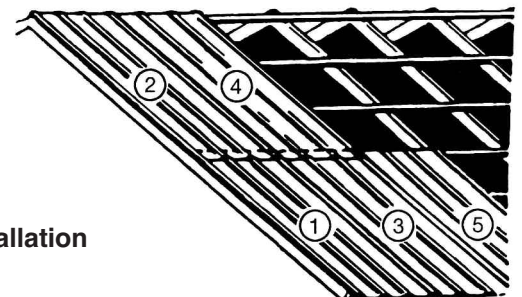
ROOFING INSTALLATION

Slope: Minimum roof slope for Rib Panel is 3 inches rise per foot. Apply sealant at side and end laps for less slope.

Start installing roofing vertically at edge away from prevailing wind. Rib Panel with side lap drain feature may be started from either right or left edge.

IMPORTANT: First roofing panel must be plumb to assure straight alignment of entire row of panels. Tip: stretch chalklines between nails driven into ridge and end of each rafter. These lines serve as guidelines to align panels. If roof requires more

than one horizontal row of panels, follow these procedures: Temporarily fasten (i.e., at two points — not at ends — along middle main ribs) panel No. 1 in lower corner. Install panel No. 2 above and end-lapping over No. 1. Align both panels with chalkline. Install panel No. 3 next to No. 1, side-lapping over drain feature. Install panel No. 4 above No. 3, side-lapping over No. 2 and end-lapping over No. 3 (see illustration). Check alignment at ridge and eave again. Temporarily fasten all panels; permanently fasten when all panels are in line.



Roofing Installation

IMPORTANT: Do not temporarily or permanently fasten drain feature rib of any panel until it is side-lapped by adjacent panel.

Side Lap: 2 inches, with lapping rib completely over drain feature rib.

End Laps: Under 4" rise per foot12" lap
 4" rise per foot..... 8" lap
 5" or more rise per foot..... 6" lap

Eave: Allow 3 inches minimum overhang.

SIDING INSTALLATION

Start installing Rib Panel siding vertically at edge away from prevailing wind, starting from either right or left edge.

IMPORTANT: First siding panel must be plumb to assure straight alignment of entire row of panels.

Tip: Temporarily nail a 2 x 4 or double angle horizontally as a guideline about 3 inches below top of baseboard or foundation. Remove 2 x 4 after siding is permanently fastened.

Temporarily fasten first panel at starting edge. Install second panel next to the first, side-lapping over drain feature. Temporarily fasten all panels; permanently fasten when all panels are in line.




IMPORTANT: Do not temporarily or permanently fasten drain feature rib of any panel until it is side-lapped by adjacent panel. Prevent all panels from permanently contacting soil.

Side Lap: 2 inches, with lapping rib completely over drain feature rib.

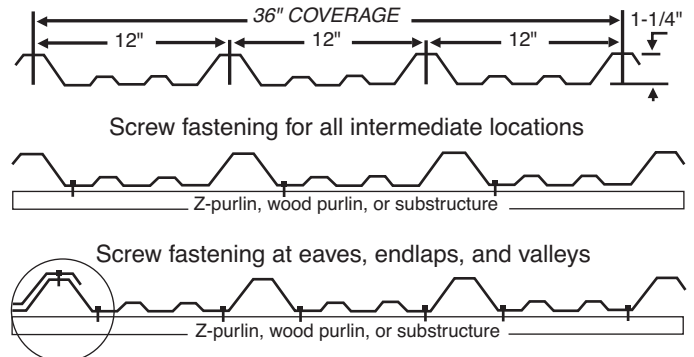
End Lap: Lap 3 inches panel-over-panel and also over foundation or splashboard.

FASTENING DETAIL

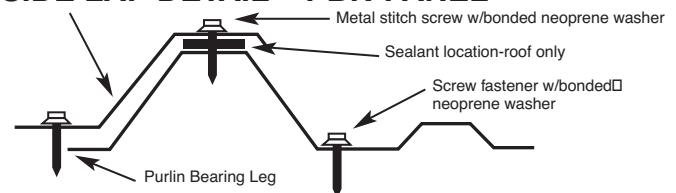
Drill Screw Fastening: Rib Panel roofing and siding may be installed by use of painted/plated steel drill screws with sealing washers. Fasteners should have corrosion resistance at least equivalent to the expected life of the metallic substrate and the base metal. Selection of suitable long-lasting fasteners to be used rests solely with the buyer. For best results, fasten panels to purlins and girts at each side lap and in all flat areas between ribs. Minimum screw spacing may be at side laps and center flat area only, or a combination of both methods may be used by alternating them at every other purlin.

METAL FASTENERS		
Correct	Too Loose	Too Tight
		
Sealing material □ slightly visible at □ edge of metal □ washer. Assembly □ is weathertight.	Sealing material □ not visible. □ Not enough □ compression to □ seal properly.	Metal washer □ deformed. Sealing □ material extruded □ beyond edge □ of washer.

PANEL DETAIL – R-PANEL

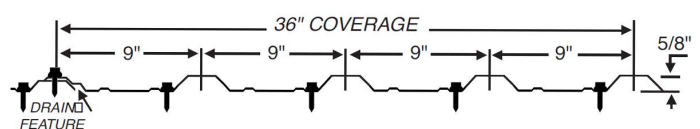


SIDE LAP DETAIL – PBR-PANEL

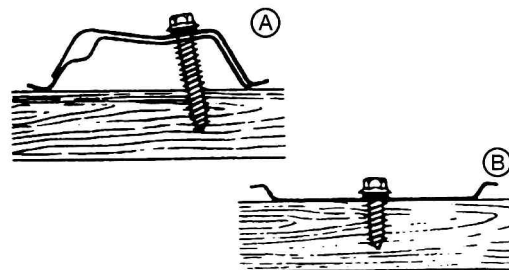


* Consult Manufacturer for proper type of screw to be used with □ different types of substructures and panels.

PANEL DETAIL – GOLDINPANEL



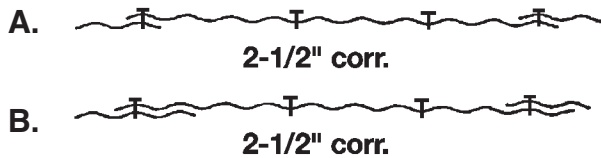
Use 1-1/2 inch long screws at side laps, along nailing strip farthest away from finishing edge of lapping rib (see Illustration A); use 1-1/2 inch or 1 inch long screws at flat areas (see Illustration B).



NOTE: All panels are subject to surface distortion due to improperly applied fasteners. Overdriven fasteners will cause stress and induce oil canning across the face of the panel at or near the point of attachment.

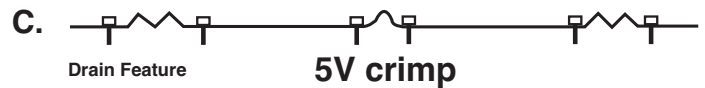
CORRUGATED / 5V CRIMP INSTALLATION

Lapping: Side lap 2-1/2" corrugated roofing; two corrugations and siding; one corrugation. Side lap 5V crimp by placing the two crimps of the second sheet directly over the two crimps of the first sheet containing the drain feature. End lap roofing 12" when rise per foot is 3"; 8" when rise is 4"; 6" when rise is 5" or more.



- At the side lap, the screw is positioned vertically on the crest of the corrugation. All in field of sheet locations are positioned vertically in the valley of every third corrugation. **(Diagrams A & B)**

- 5V crimp roofing and siding —screw in the flat next to the rib, starting at the side lap. **(Diagram C)**



Drain feature should always be on the underside of the lap.

INSULATION

Insulation material – either board, roll, or loose filler type (spray-on type is **NOT** recommended) – should be used with a vapor barrier to reduce condensation on the inside of the Rib Panel roofing and siding in cold weather. Obtain specific recommendations from a qualified engineer.

FILLER/SEALER STRIPS AND SEALANTS

For best results in making a building weathertight, use formed filler/sealer strips (closures) at roof ridge and eaves. Strips with Rib Panel pattern are available. Butyl rubber sealants are excellent for side-lap sealing.

VENTILATION

Adequate air ventilation should be provided by means of ridge or rotary ventilators, power operated fans, profile vent gaskets, or other openings to minimize condensation. Obtain specific recommendations from a qualified engineer.

TRANSLUCENT FIBERGLASS PANELS

Translucent fiberglass panels with the Rib Panel patterns are available for use as skylights and/or windows.

CUTTING AND SHEARING

Rib Panel is easier to cut from its interior (bottom) side because of its flatter surface. Rib Panel may be cut with a nibbler, snips, or profile shear.

IMPORTANT: When using a power drill to make screw holes, protect the exterior (top) surface from the hot metal filings, which may become imbedded into the paint surface and eventually rust. Carefully wipe all filings from both surfaces before installation. If these cutting precautions are not taken, permanent rust spots will develop; naval jelly or auto cleaner/wax may be used to clean them, but they cannot be completely removed.

NOTICE:

Waviness in metal panels, commonly referred to as “oil canning”, is an inherent characteristic with metal panels. Rib Panel patterns may mitigate this condition, while in flat pan profiles it could be more pronounced. The surface of bare Galvalume and Galvanized will vary in shade and spangle pattern, and such appearances may not be uniform. Under any circumstance, these conditions will not be considered reasons for rejection or claim.

SAFETY PRECAUTIONS

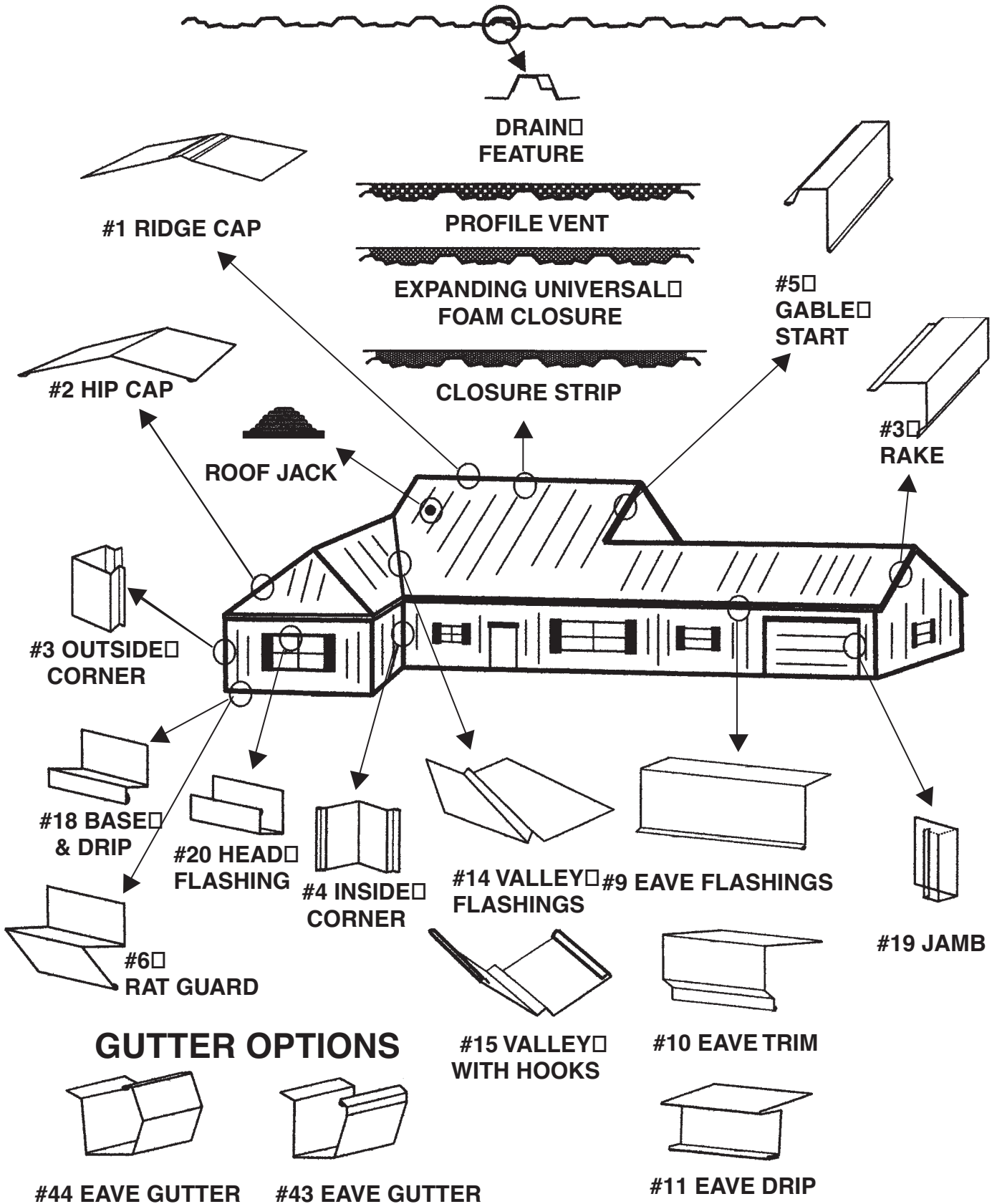
Gloves should be worn to prevent injury while handling steel panels. Safety glasses should be worn to prevent eye injury when cutting or drilling steel panels with power tools.

Use care when walking, sitting, or kneeling on a steel roof to avoid a fall. Steel panels may become slippery when wet. Do not work on steel panels when wet or when climactic conditions are not suitable for safe installation.


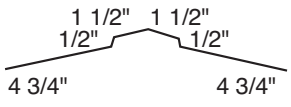

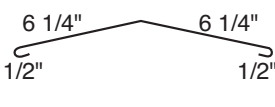
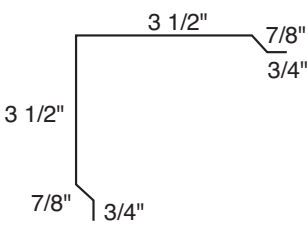
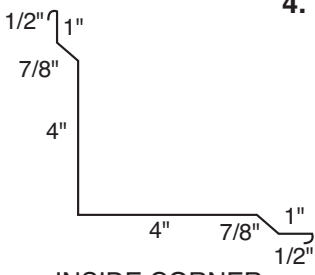
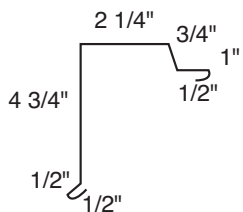
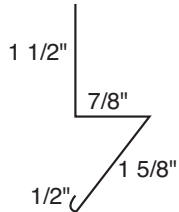

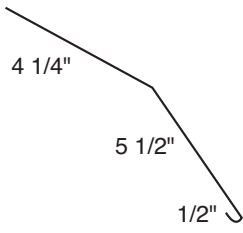

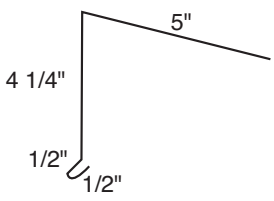

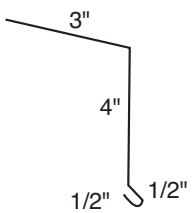

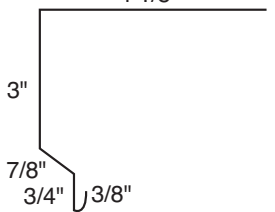

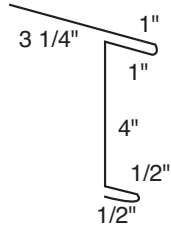

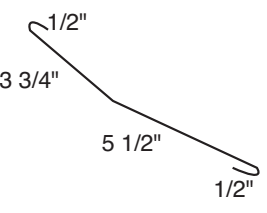
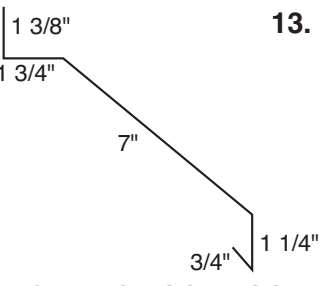

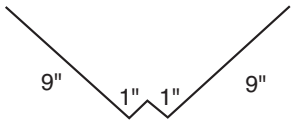

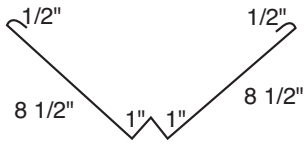
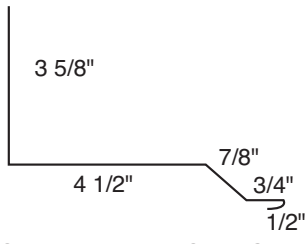

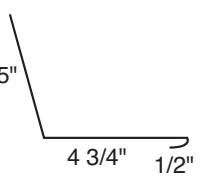
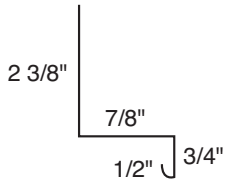
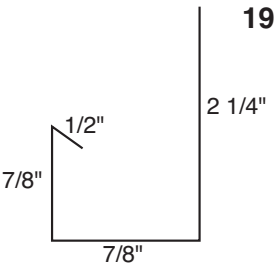
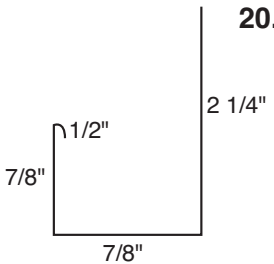
Do not walk on steel panels that contain oil.

Do not walk on skylights.

GOLDINPANEL RESIDENTIAL ROOF & WALL

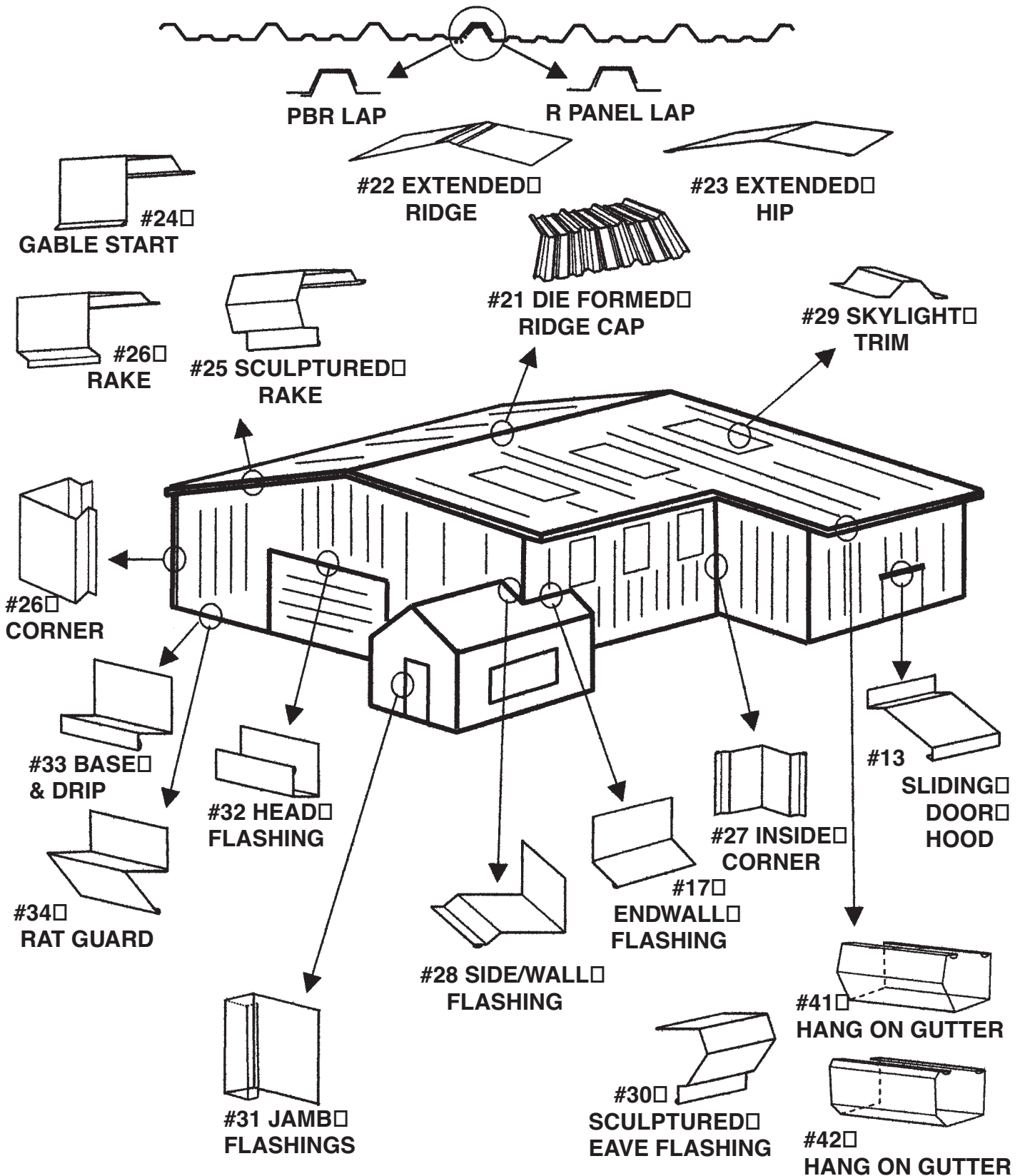


RESIDENTIAL


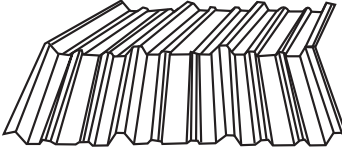

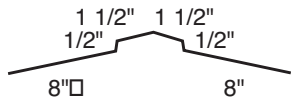

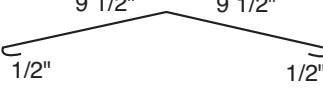
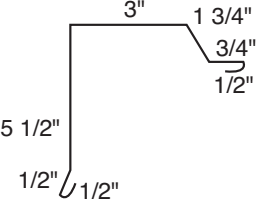
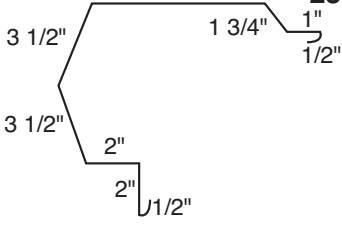
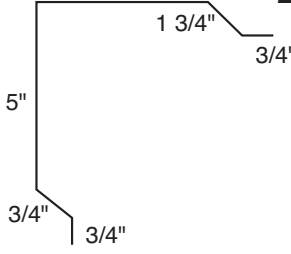
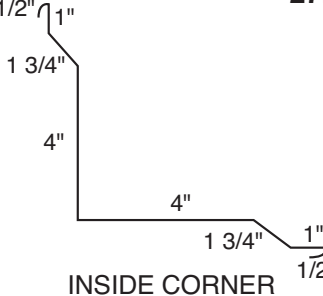
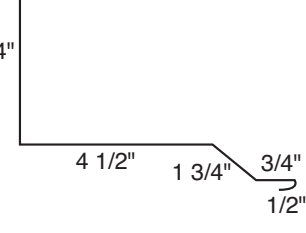
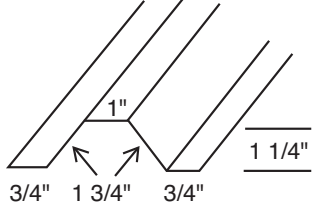

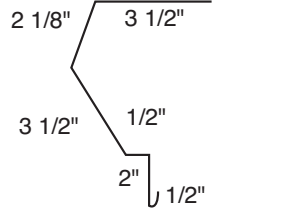
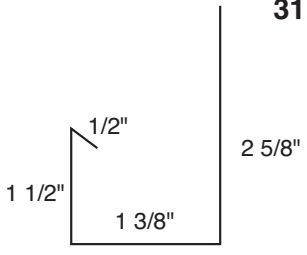
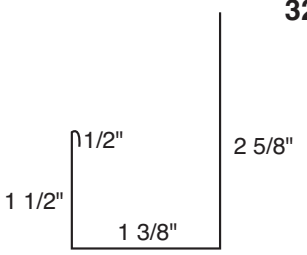
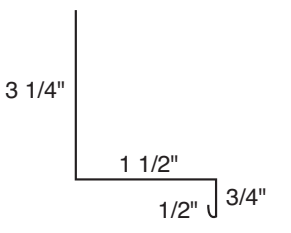
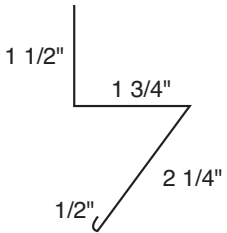

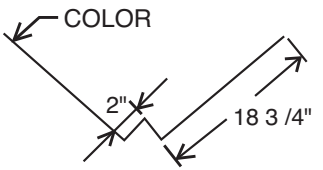

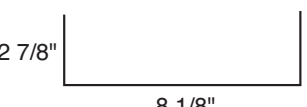
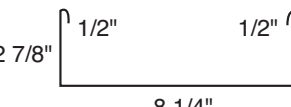

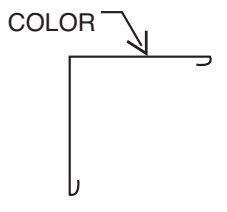

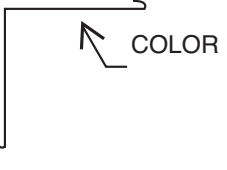
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<p>5.</p>  <p>GABLE START</p>	<p>6.</p>  <p>RAT GUARD</p>	<p>SPECIFY PITCH  7.</p>  <p>GAMBREL FLASHING</p>	<p>SPECIFY PITCH  8.</p>  <p>PEAK FLASHING</p>
<p>SPECIFY PITCH  9.</p>  <p>EAVE FLASHING</p>	<p>SPECIFY PITCH  10.</p>  <p>EAVE FLASHING</p>	<p>SPECIFY PITCH  11.</p>  <p>EAVE DRIP</p>	<p>SPECIFY PITCH  12.</p>  <p>TRANSITION FLASHING</p>
<p>13.</p>  <p>SLIDING DOOR HOOD</p>	<p>SPECIFY PITCH  14.</p>  <p>VALLEY FLASHING</p>	<p>SPECIFY PITCH  15.</p>  <p>VALLEY FLASHING WITH HOOKS</p>	<p>16.</p>  <p>SIDEWALL FLASHING</p>
<p>SPECIFY PITCH  17.</p>  <p>ENDWALL FLASHING</p>	<p>18.</p>  <p>BASE & DRIP FLASHING</p>	<p>19.</p>  <p>JAMB FLASHING</p>	<p>20.</p>  <p>HEAD FLASHING</p>

**ACTUAL DIMENSIONS MAY VARY
CERTAIN RESTRICTIONS APPLY**

R-PANEL COMMERCIAL ROOF & WALL


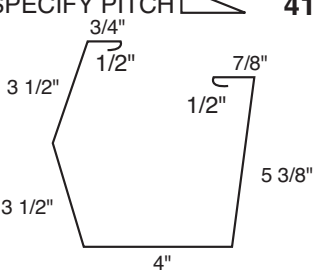

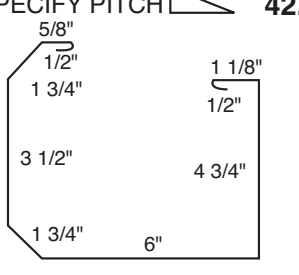

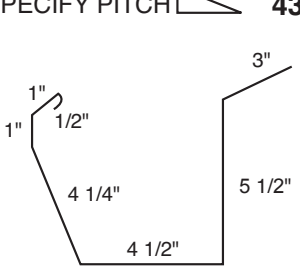

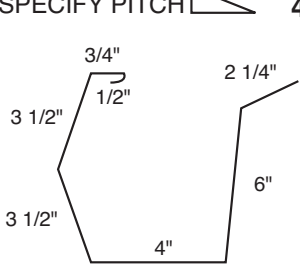
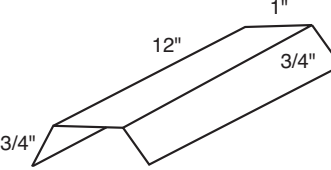
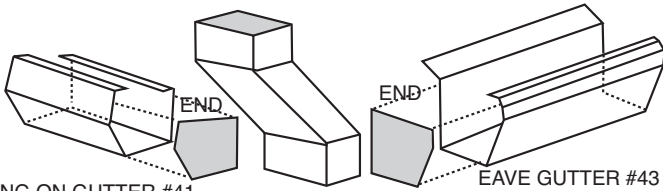
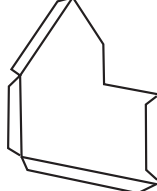
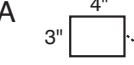
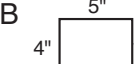
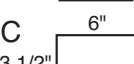
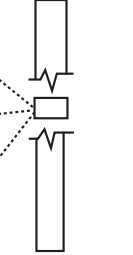
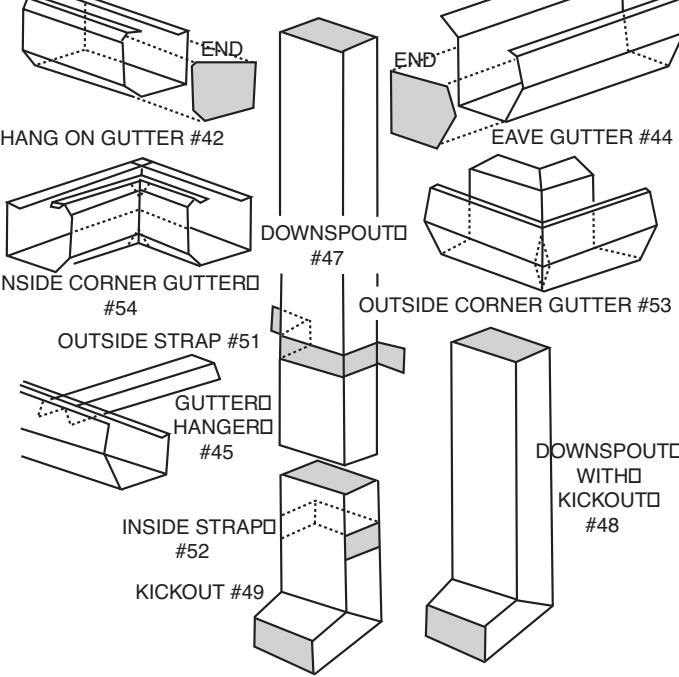

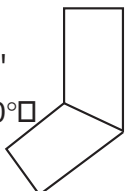
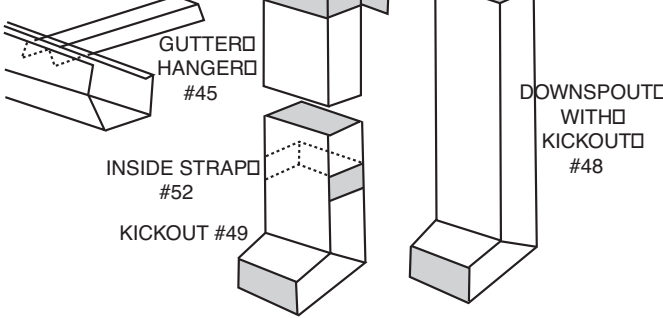
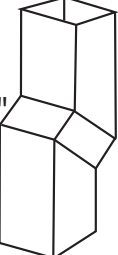
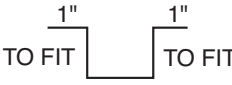

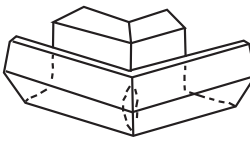
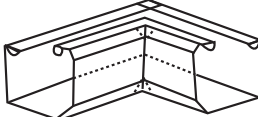


COMMERCIAL

<p>SPECIFY PITCH  21.</p>  <p>DIE FORMED RIDGE CAP</p>	<p>SPECIFY PITCH  22.</p>  <p>EXTENDED RIDGE</p>	<p>SPECIFY PITCH  23.</p>  <p>EXTENDED HIP</p>	<p>24.</p>  <p>GABLE START</p>
<p>25.</p>  <p>SCULPTURED RAKED FLASHING</p>	<p>26.</p>  <p>RAKE & CORNER</p>	<p>27.</p>  <p>INSIDE CORNER</p>	<p>28.</p>  <p>SIDEWALL FLASHING</p>
<p>29.</p>  <p>SKYLIGHT TRIM</p>	<p>SPECIFY PITCH  30.</p>  <p>SCULPTURED EAVED FLASHING</p>	<p>31.</p>  <p>JAMB FLASHING</p>	<p>32.</p>  <p>HEAD FLASHING</p>
<p>33.</p>  <p>BASE & DRIP FLASHING</p>	<p>34.</p>  <p>RAT GUARD</p>	<p>SPECIFY PITCH  35.</p>  <p>EXTENDED VALLEY</p>	<p>SPECIFY PITCH  36.</p> <p>NOT AVAILABLE</p> <p>EXTENDED VALLEY WITH HOOKS</p>
<p>37.</p>  <p>8" PURLIN CAP</p>	<p>38.</p>  <p>8" PURLIN CAP WITH HEMS</p>	<p>SPECIFY DIMENSIONS  & DEGREE OF ANGLE 39.</p>  <p>OUTSIDE ANGLE</p>	<p>SPECIFY DIMENSIONS  & DEGREE OF ANGLE 40.</p>  <p>INSIDE ANGLE</p>


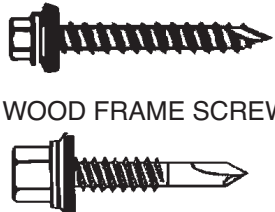


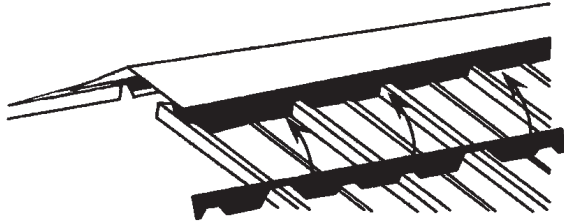
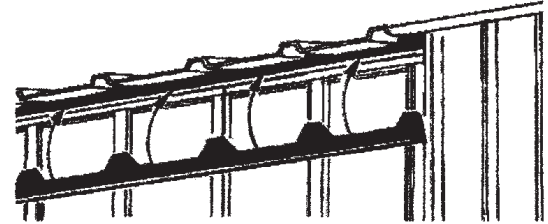
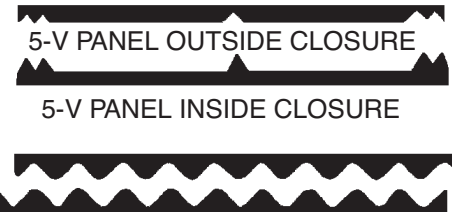




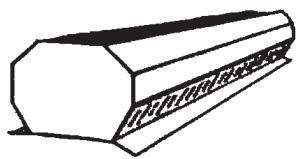

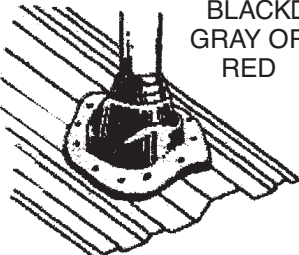
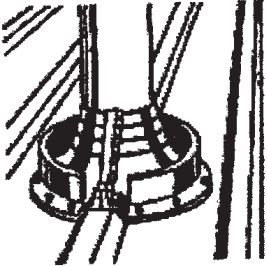
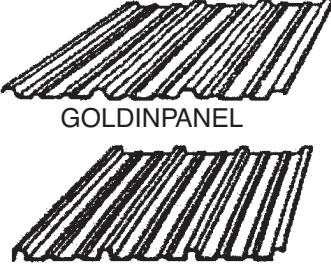
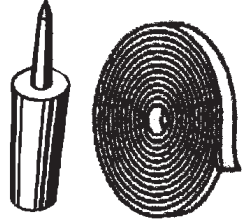
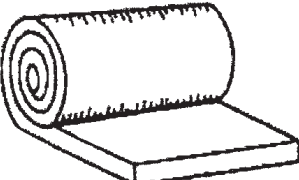


ACTUAL DIMENSIONS MAY VARY
CERTAIN RESTRICTIONS APPLY

GUTTERS & DOWNSPOUTS

<p>SPECIFY PITCH  41.</p>  <p>HANG ON GUTTER #41</p>	<p>SPECIFY PITCH  42.</p>  <p>HANG ON GUTTER #42</p>	<p>SPECIFY PITCH  43.</p>  <p>EAVE GUTTER #43</p>	<p>SPECIFY PITCH  44.</p>  <p>EAVE GUTTER #44</p>
<p>SPECIFY PROFILED G PANEL or R PANEL 45.</p>  <p>GUTTER HANGER</p>	 <p>HANG ON GUTTER #41 DOWNSPOUT OFFSET #50 EAVE GUTTER #43</p>		<p>SPECIFY LEFT or RIGHT 46. SPECIFY GUTTER PART #</p>  <p>GUTTER ENDS LEFT & RIGHT</p>
<p>A  47. B  C  3 1/2"</p>  <p>DOWNSPOUTS</p>	 <p>HANG ON GUTTER #42 DOWNSPOUT #47 EAVE GUTTER #44 INSIDE CORNER GUTTER #54 OUTSIDE GUTTER #53 OUTSIDE STRAP #51 GUTTER HANGER #45 DOWNSPOUT WITH KICKOUT #48 INSIDE STRAP #52 KICKOUT #49</p>		<p>A – 3" X 4"□ 48. B – 4" X 5"□ C – 3 1/2" X 6" 45° or 90°□</p>  <p>DOWNSPOUT WITH KICKOUT</p>
<p>A – 3" X 4"□ 49. B – 4" X 5"□ C – 3 1/2" X 6" 45° or 90°□</p>  <p>KICKOUT</p>	 <p>GUTTER HANGER #45 INSIDE STRAP #52 KICKOUT #49</p>		<p>A – 3" X 4"□ 50. B – 4" X 5"□ C – 3 1/2" X 6" 45° or 90°□</p>  <p>DOWNSPOUT OFFSET</p>
<p>A – 3" X 4"□ 51. B – 4" X 5"□ C – 3 1/2" X 6" 1" TO FIT 1" TO FIT</p>  <p>OUTSIDE DOWNSPOUT STRAP</p>	<p>A – 3" X 4"□ 52. B – 4" X 5"□ C – 3 1/2" X 6" TO FIT TO FIT</p>  <p>INSIDE DOWNSPOUT STRAP</p>	<p>SPECIFY PART # 53.</p>  <p>OUTSIDE GUTTER 90°□</p>	<p>SPECIFY PART # 54.</p>  <p>INSIDE GUTTER 90°□</p>

**ACTUAL DIMENSIONS MAY VARY
CERTAIN RESTRICTIONS APPLY**

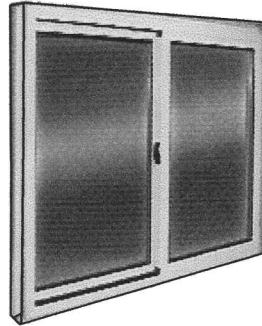
FASTENERS, CLOSURES, SEALANTS & ACCESSORIES

 <p>LAP SCREW</p> <p>STITCH SCREW</p>	 <p>WOOD FRAME SCREW</p> <p>METAL FRAME SCREW</p>	 <p>CEE PURLIN</p> <p>ZEE PURLIN</p>	 <p>BASE ANGLE</p> <p>EAVE STRUT</p>
 <p>RIDGE CONDITIONS, OUTSIDE CLOSURES</p>  <p>EAVE CONDITIONS, INSIDE CLOSURES</p>	 <p>5-V PANEL OUTSIDE CLOSURE</p> <p>5-V PANEL INSIDE CLOSURE</p>  <p>CORRUGATED REVERSIBLE CLOSURES</p>  <p>GOLDINPANEL OUTSIDE CLOSURE</p> <p>GOLDINPANEL INSIDE CLOSURE</p>  <p>R PANEL OUTSIDE CLOSURE</p> <p>R PANEL INSIDE CLOSURE</p>	 <p>GOLDINPANEL</p> <p>R PANEL</p> <p>PROFILE VENTS</p>  <p>CONTINUOUS RIDGED VENT</p>	
 <p>EXPANDING UNIVERSAL FOAM CLOSURE</p>	 <p>RUBBER ROOF JACK</p>	 <p>RETROFIT ROOF JACK</p>	 <p>GOLDINPANEL</p> <p>R PANEL SKYLIGHTS</p>
 <p>TUBE AND TAPE SEALANT</p>	 <p>FIBERGLASS VINYL & REINFORCED VINYL BACK INSULATION</p>	 <p>SINGLE BUBBLED DOUBLE BUBBLED FOIL & WHITE FACING REFLECTIVE INSULATION</p>	 <p>FOIL, VINYL, REINFORCED, AND DOUBLE SIDED INSULATION TAPE</p>

SERVING ALL YOUR BUILDING NEEDS

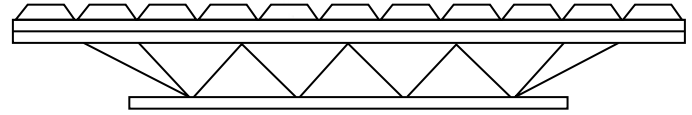


ASK ABOUT THESE ADDITIONAL PRODUCTS

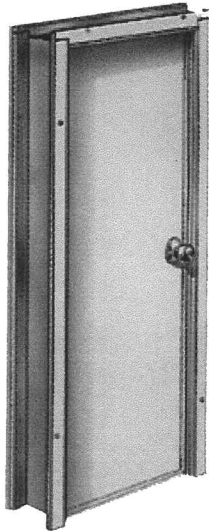


FRAMED WINDOWS

3618 □ 3625 □
3636 4425

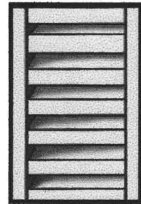


STEEL JOIST & METAL DECK

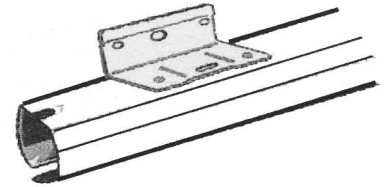


3070 & 3068 □
WALK DOORS

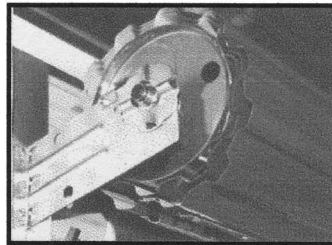
WALL □
LOUVERS



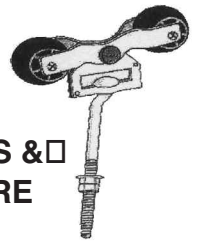
SLIDING DOORS □
TRACKS & RAILS



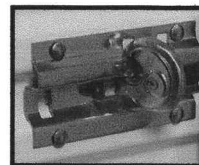
MOTOR DRIVEN & □
CHAIN OPERATORS



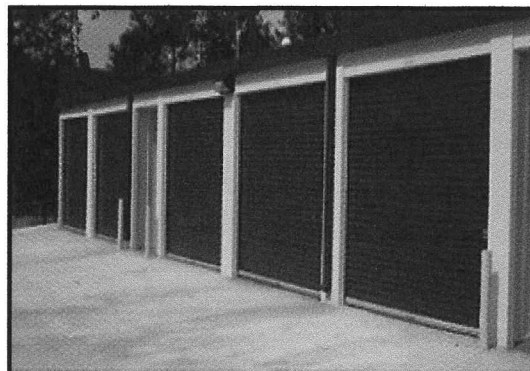
BRACKETS & □
HARDWARE



LATCHES & □
HARDWARE



GOLDIN METALS □
OFFERS A □
COMPLETE LINE □
OF COMMERCIAL □
ROLL UP DOORS, □
MINI SELF □
STORAGE DOORS □
AND □
ACCESSORIES. □
SPECIAL ORDERS □
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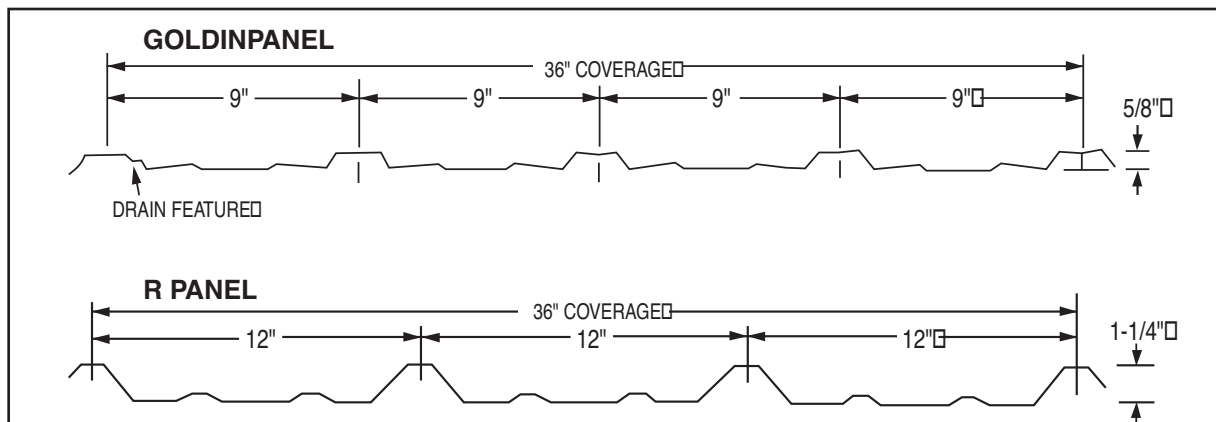
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