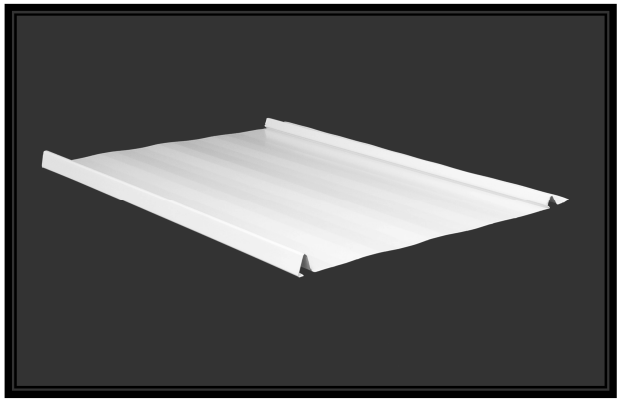
ARCHITECTURAL
SHEETMETAL PRODUCTS

"The Go-To Guys for Metal"

Quick Snap 16©

INSTALLATION GUIDE



Due to product changes and other factors, ASP, Inc. reserves the right to change or delete information herein without prior notice or obligation. The following pages are suggestions or guidelines on basic installation practices, and is not intended to cover all instances.

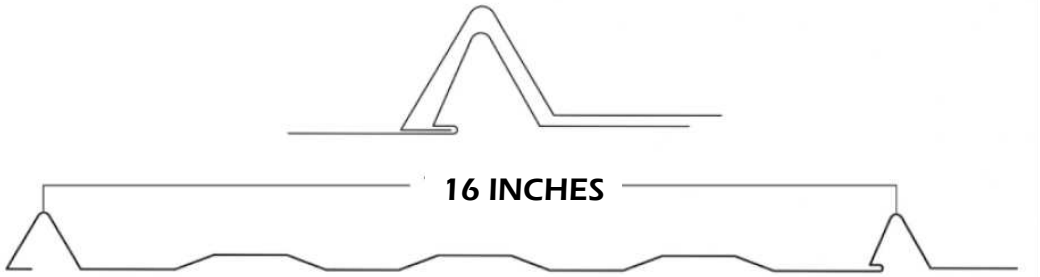






ARCHITECTURAL
SHEETMETAL PRODUCTS

GUIDELINES



3/12 PITCH AS MINIMUM

QUICK SNAP 16© PANEL PROFILE

NOTES:

1. The details shown on the following pages are suggestions or guidelines on how to install Quick Snap 16©. The information shown is accurate, but it is not intended to cover all instances, building requirements, designs or codes. The details may require changes or revisions due to individual project's conditions. NOTE: These are only suggestions, and we at ASP, Inc. accept no responsibility or liability in erroneous installation techniques.

2. The installation details shown are proven methods of construction. However it must be noted that weathertightness is a function of the installer. The installer should follow these recommended details, using proper workmanship procedures and properly sealing all seams and joints.

3. It is the responsibility of the designer/installer to ensure that the details meet particular building requirements and to assure adequate weathertightness. ASP,Inc. will be held harmless from any and all claims or liablity arising from lack of weathertightness as a result of not following these suggested typical detail drawings. The designer/installer must be aware of and allow for expansion/contraction of roof panels.

4. All flashings, closures and accessories shown can be provided by ASP, Inc. unless otherwise noted.

5. Sealant shall be field applied on dry, clean surfaces.

6. Start with a plumb and level roof deck. To help prevent distortion and oil canning, the roof should not be more than 1/16" out of plane. Deck should be corrected before installation.

7. An underlayment, ie: Synthetic Felt and /or Ice & Water Shield must then be applied following manufacturer's instructions. (Do NOT use granular surface material).

8. Measure roof deck for panel layout. The first and last panels in each section should be relatively even in width. Snapping a chalk line in place of the panel seams will serve as a good guideline. A square should be used in this step to assure plumbness, and that your panel seams do not wander.

GUIDELINES (CON'T)

ARCHITECTURAL SHEETMETAL PRODUCTS

9. Install eave drip/rake edges. You need a minimum of 1″ of overlap on seams.

10. You are now ready to start the panels. A 1″ return should be folded on the eave end to accept the drip edge (see Eave Detail). This can be achieved by field cutting panel ends, and folding panels under using a bar-fold tool. The panel edge should be cut and folded in a similar fashion to accept the gable edge overhang, then crimped tight (see Rake Detail).

11. Apply panels to the deck using low profile pancake head screws (on male panel leg nail flange). **NOTE: All fasteners in flange should be lightly fastened. Overtightening panel will cause distortion!** Start 6″ from eave, and secure (with screws) no less than 2′ on center up to ridge (peak). Panels should be secured 6″ down from peak. Also, secure with two fasteners on top of each panel below peak to prevent sliding. The female panel leg will snap over top of the male leg, concealing the fasteners. Continue this process across the roof deck. Panels should be caulked and folded where the seams come together at the eave to prevent insects and rodents entry.

12. At the ridge, cut and apply zee closures to fit between panel seams (see Ridge Detail). Closures should be applied with butyl tape between panel and trim then secured to the roof deck using low profile pancake head fasteners (at least three per strip).

13. Ridge cap will then be secured to the zee closures and crimped tight. All flashings should have at least 1″ to 2″ of overlap.

14. Same installation techniques should be used for all head wall, rake wall, skylight and chimney flashings (see Details). Difference being the wall portion of details should be tucked under siding or reglet and secured, concealing fasteners.

15. Some field working of panels and flashings is to be expected by the installer. field corrections are a part of every installation.

16. ***Some things to keep in mind:*** Metal panels and Ice & Water Shield are very slippery. Extreme caution should be used when installing. Not to be installed when any precipitation has or is occurring. Should only be installed when dry. And should not be walked on after installation, if it can be avoided.

17. Panels are shipped with a strippable film. This film should be removed immediately following installation!

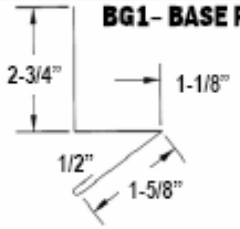
18. Touch-up any scratches and/or gouges with paint (not included, but can be ordered).

19. Call: **518-381-6144** with questions.

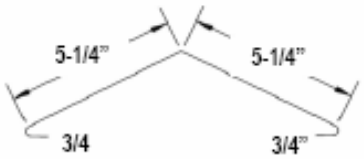
IMPORTANT NOTICE: ***Do not drive the head of the fastener tightly against the nail flange!***

Allow approximately 1/32" clearance between the fastener head and panel. Drive fasteners straight and level to prevent distortion and buckling of panel.

BG1– BASE FLASHING

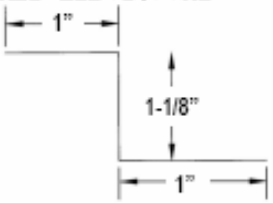


RC1– RIDGE CAP

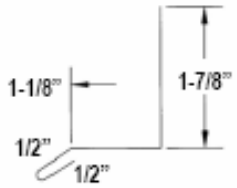


(PLEASE SPECIFY PITCH)

RZ1– ZEE CLOSURE



DC1– DRIP CAP



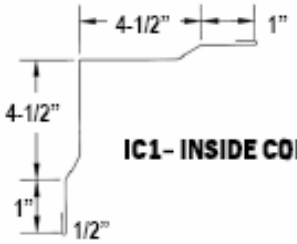
SV2-STANDARD VALLEY



(PLEASE SPECIFY PITCH)

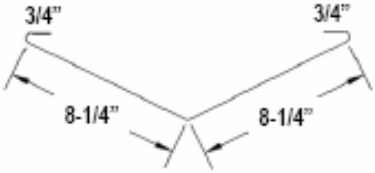
RW1– RAKE WALL





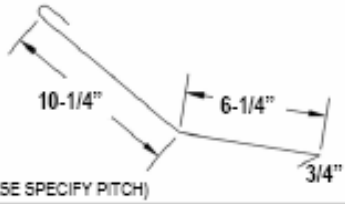
IC1– INSIDE CORNER

CV1– CRIMPED VALLEY



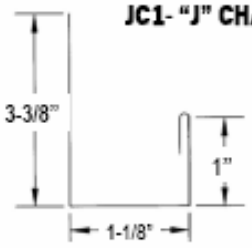
(PLEASE SPECIFY PITCH)

TF1– TRANSITIONAL

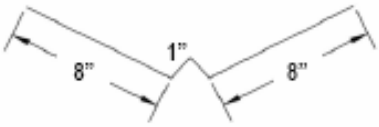


(PLEASE SPECIFY PITCH)

JC1- "J" CHANNEL

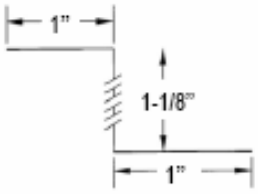


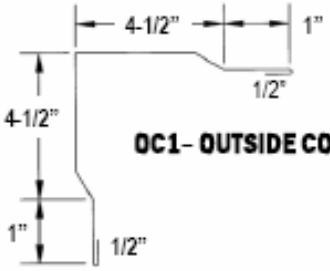
WV3—"W" VALLEY



(PLEASE SPECIFY PITCH)

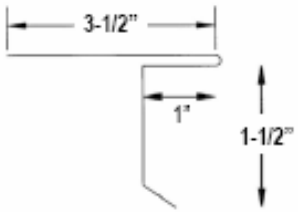
RZ1-P—PERFORATED ZEE



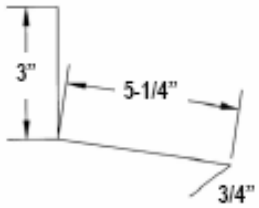


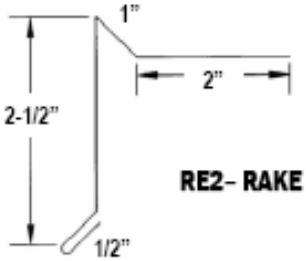
OC1– OUTSIDE CORNER

RE1– RAKE EDGE



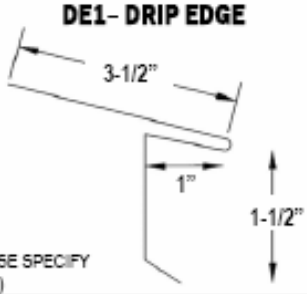
HW1– HEAD WALL





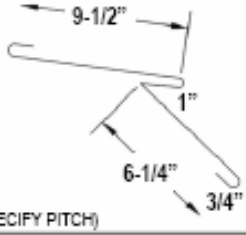
RE2– RAKE EDGE

DE1– DRIP EDGE

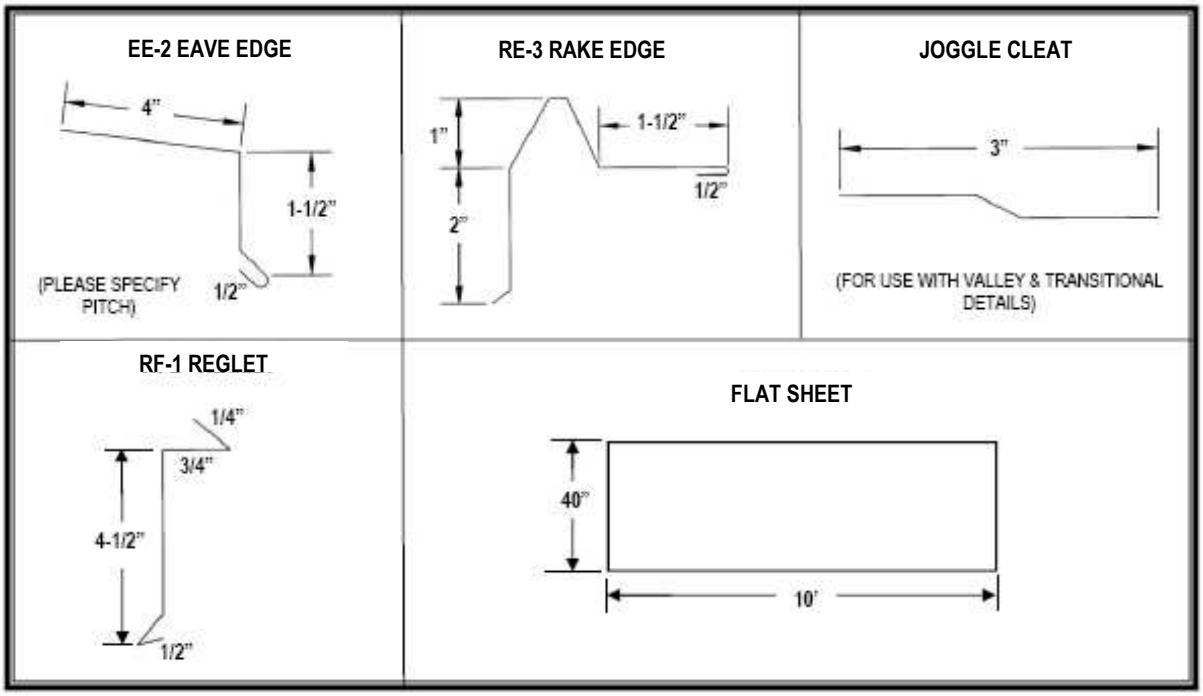


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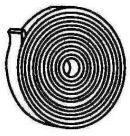
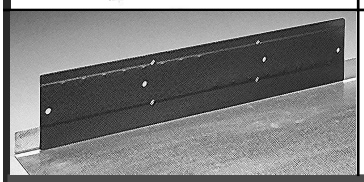
GF1– GAMBREL



(PLEASE SPECIFY PITCH)



QUICK SNAP 16© ACCESSORIES

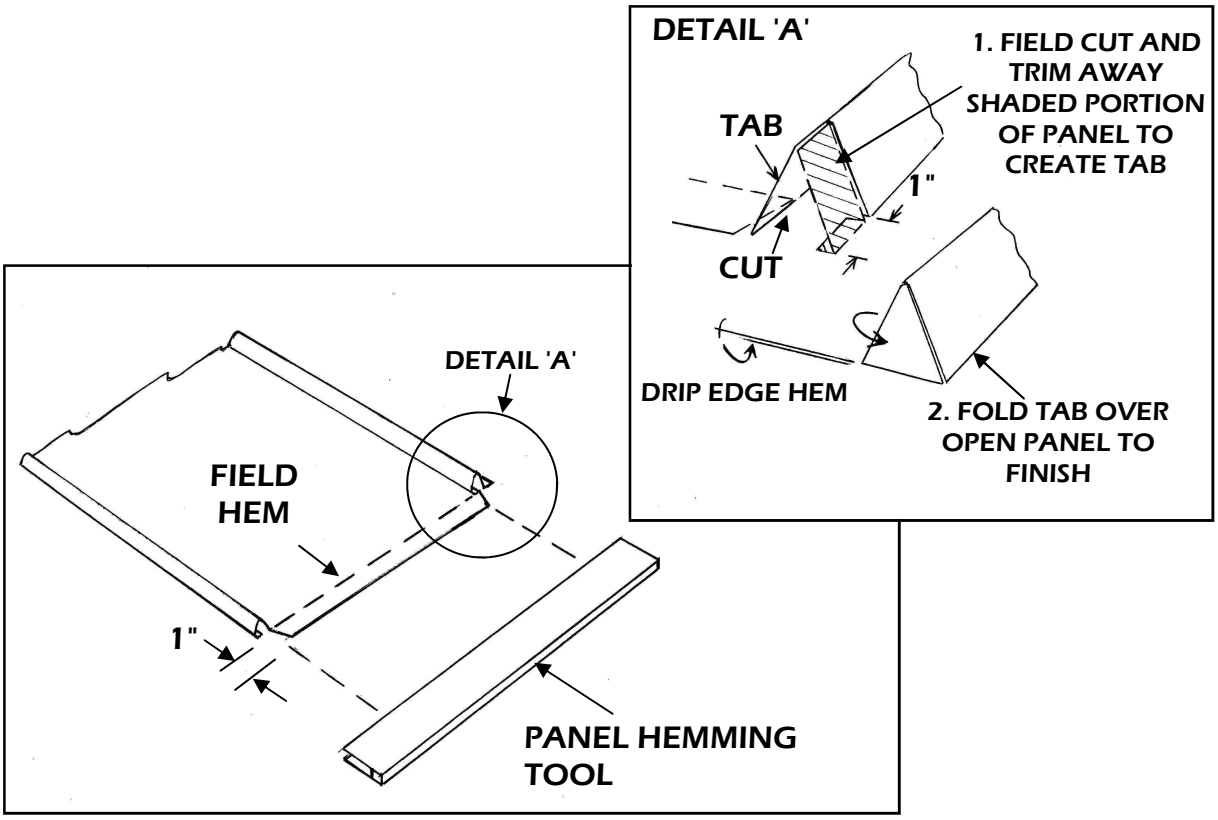
	BUTYL TAPE 3/32" X 1" 50FT
	1" LOW PROFILE PAN HEAD SCREWS (WOOD) 250 PCS
	METAL SNIPS
	FOLDING TOOL 12", 18", 24"

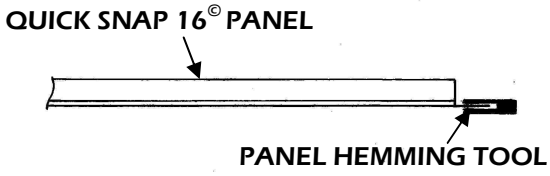
QUICK SNAP 16 IS A 29 GA GALVALUME® PANEL WITH ASP's SPECTRALUME® 70% PVDF FINISH. SEE ASP WARRANTY FOR FINISH TERMS.

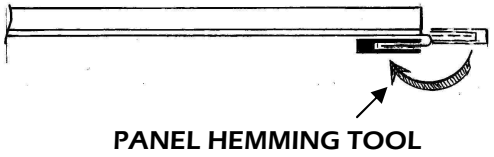
THE ROOFER/CONTRACTOR IS RESPONSIBLE FOR ALL FIELD MEASUREMENTS. THE ROOFER/ CONTRACTOR IS RESPONSIBLE FOR QUANTITIES OF MATERIAL ORDERED.

HEMMING PROCEDURE

YOU ARE NOW READY TO START THE PANELS:





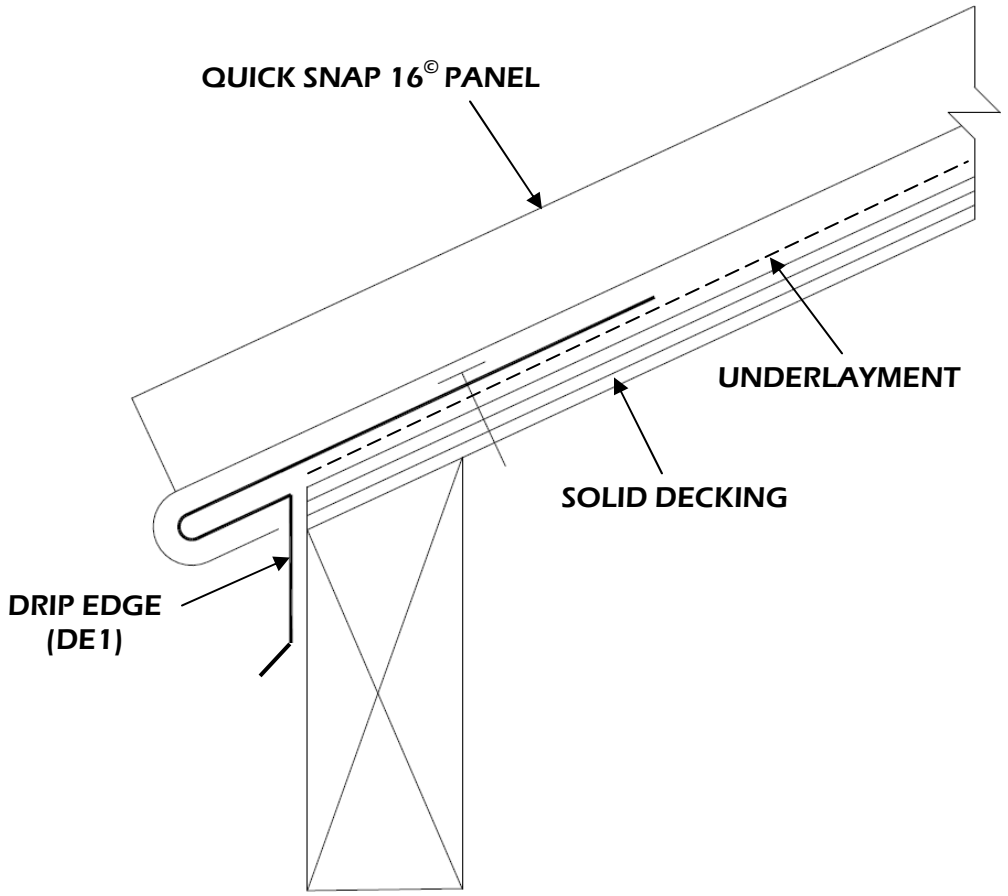


PANEL HEMMING PROCEDURE:

1. Measure 1″ on both standing seams and across pan.
2. Cut 1″ of the male leg off, repeat on female leg leaving a tab that can be folded over to cover void.
3. Turn panel upside down and insert folding tool on remaining pan.
4. Fold to 180 degrees as shown in detail.

NOTE: Panel lengths need to be increased by 2″

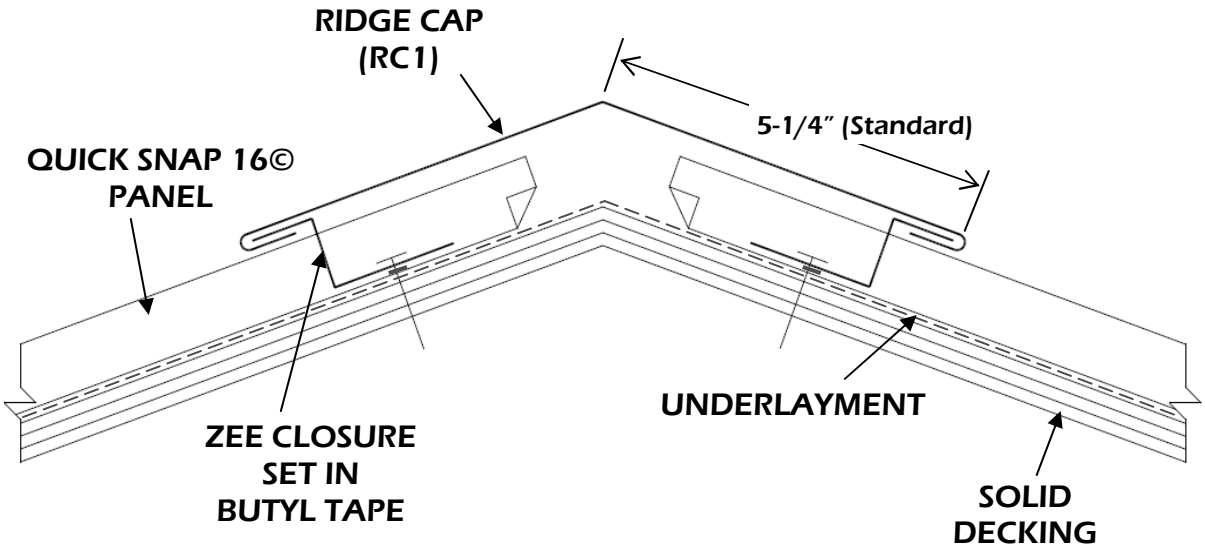
EAVE DRIP PROCEDURE



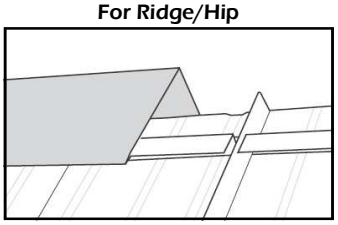
EAVE / DRIP EDGE PROCEDURE:

1. Complete hemming procedure as per detail.
2. Slide hemmed panel into drip edge and back off 1/8" from trim.
3. Locate first panel fastener 6" from eave.
4. Crimp hemmed panel on drip edge closed.

RIDGE/HIP PROCEDURE



Detail Zee Closure Placement
For Ridge/Hip

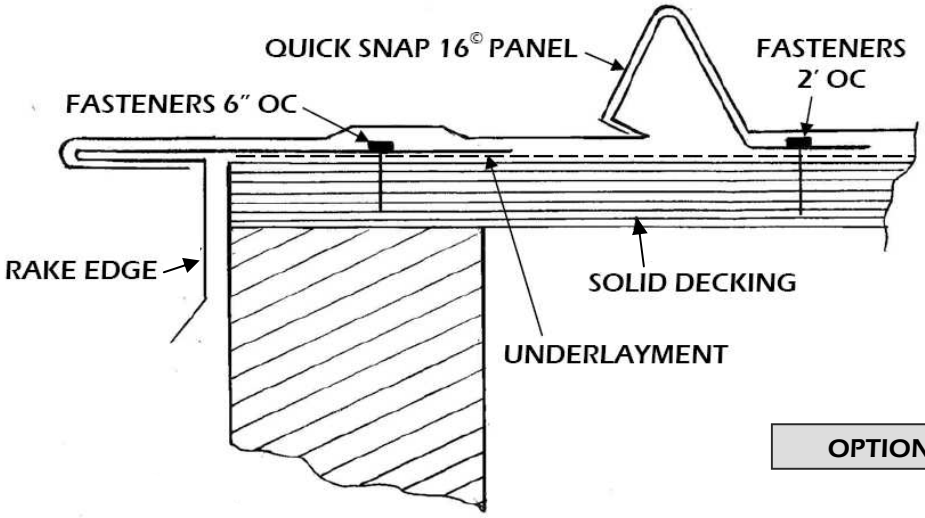


RIDGE/HIP PROCEDURE:

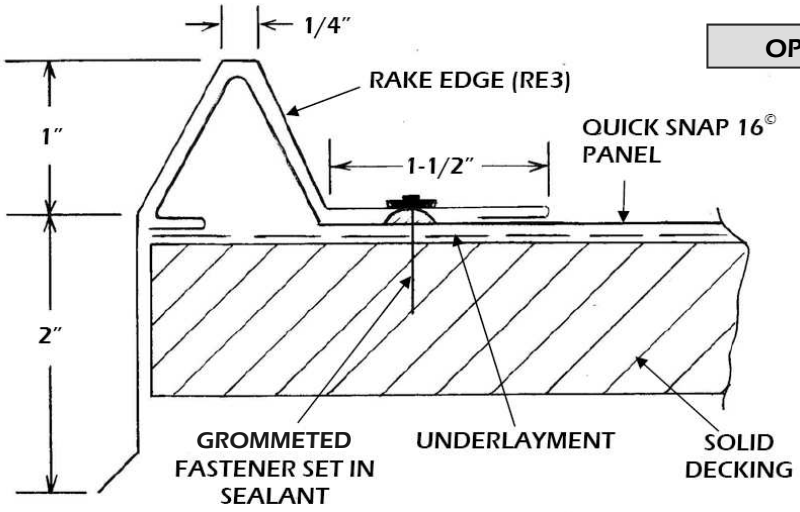
1. Install panels with fastener approximately 1'0" downhill on each side of Ridge/Hip.
2. Field cut zee trim to fit between standing seams. Attach with two low profile pan head fasteners. Fasten through closure, butyl tape, and panel into substructure. (See detail)
3. Caulk the back of the closure at standing seam areas.
4. Snap ridge cap over zee closures and crimp open hem closed.
5. Lap ridge/hip trim at least 2" with a bead of caulk between trims.

NOTE: Larger trim profile (minimum 8"x8") is recommended when using a vented zee closure.

RAKE PROCEDURE



OPTION #1



OPTION #2

RAKE EDGE PROCEDURE:

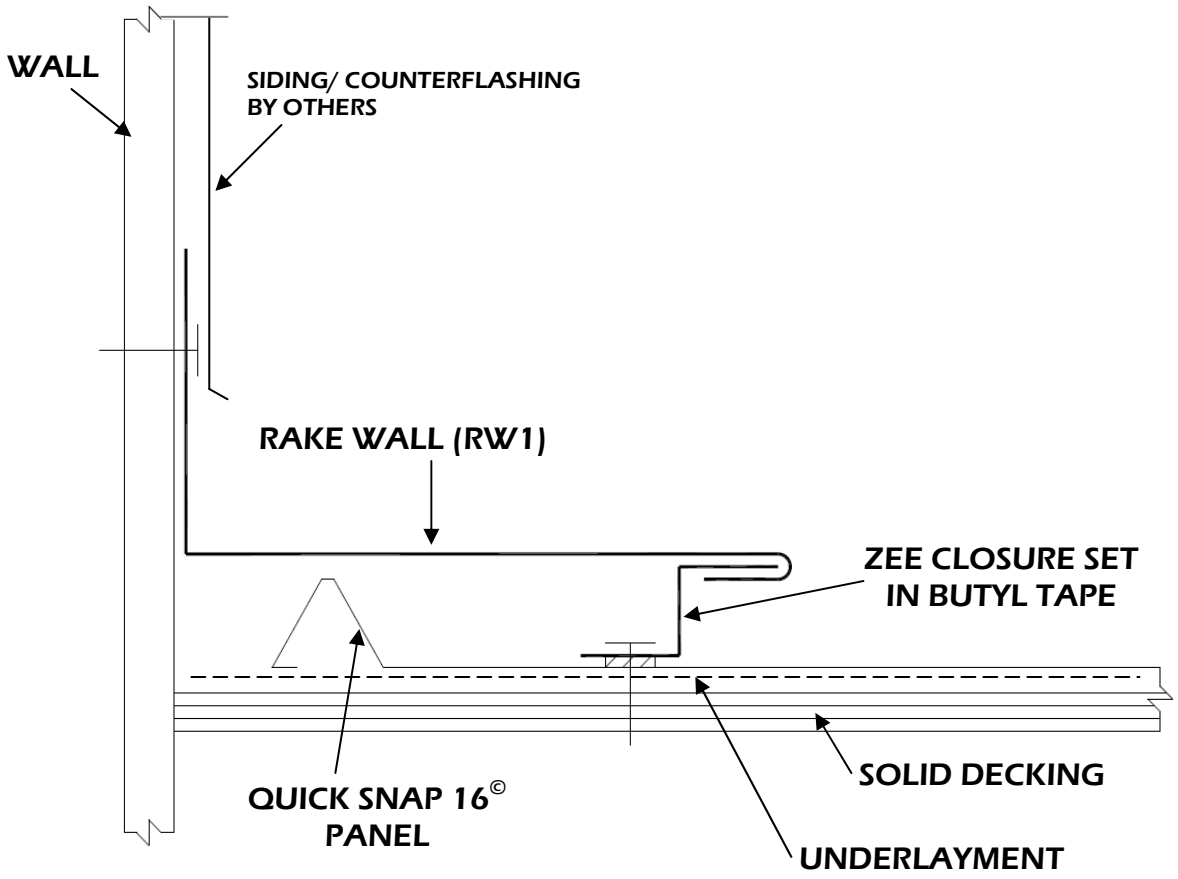
Option #1:

1. Install rake trim on substructure with low profile pancake head fasteners 6" on center.
2. Place panel at location and mark 1" past rake trim.
3. Cut panel lengthwise on 1" extension line.
4. Gradually hem panel back using folding tool and latch onto rake trim.
5. Crimp edge closed.

Option #2:

1. Install first panel as per diagram. Place (RE3) rake trim over edge. Fasten with grommeted screw.

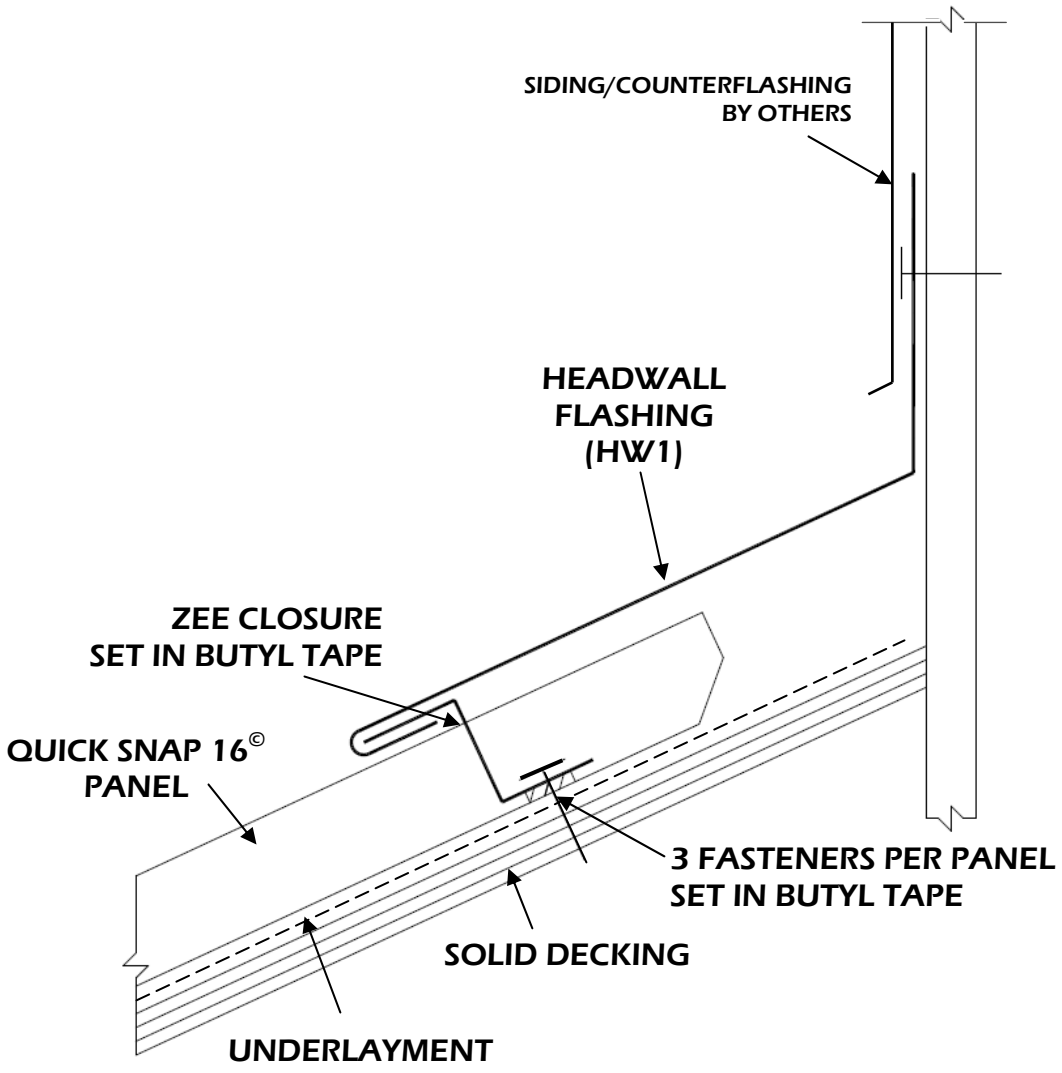
RAKEWALL PROCEDURE



RAKEWALL PROCEDURE:

1. Set full length zee closure in butyl tape, and fasten 6" on center through zee trim, butyl tape, panel and into substructure. Locate as shown.
2. Place sidewall trim over zee closure, crimp closed then fasten trim to wall with fasteners 6" on center.

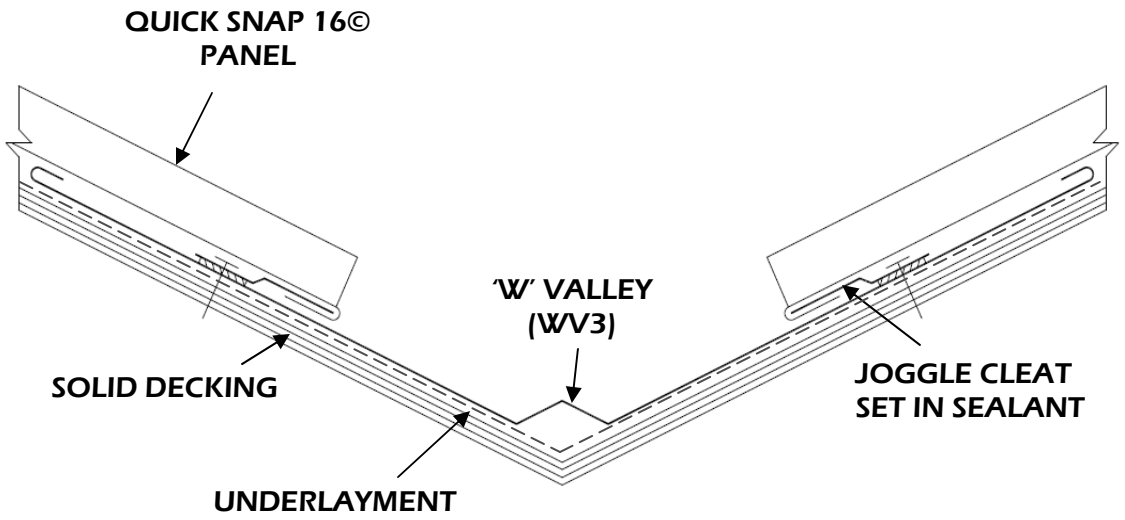
HEADWALL PROCEDURE

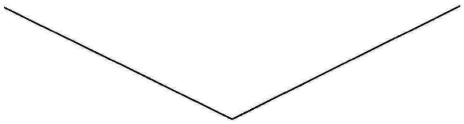


HEADWALL PROCEDURE:

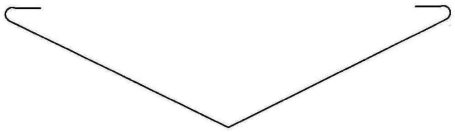
1. Field cut zee closure and install on top of the butyl tape with 2 fasteners through closure, butyl tape, panel and into substructure. Locate as shown in detail.
2. Apply bead of caulk to the back of the zee closure.
3. Place headwall trim over zee closure, crimp closed then fasten trim to wall with fasteners 6" on center.

VALLEY PROCEDURE





STANDARD VALLEY
SV2

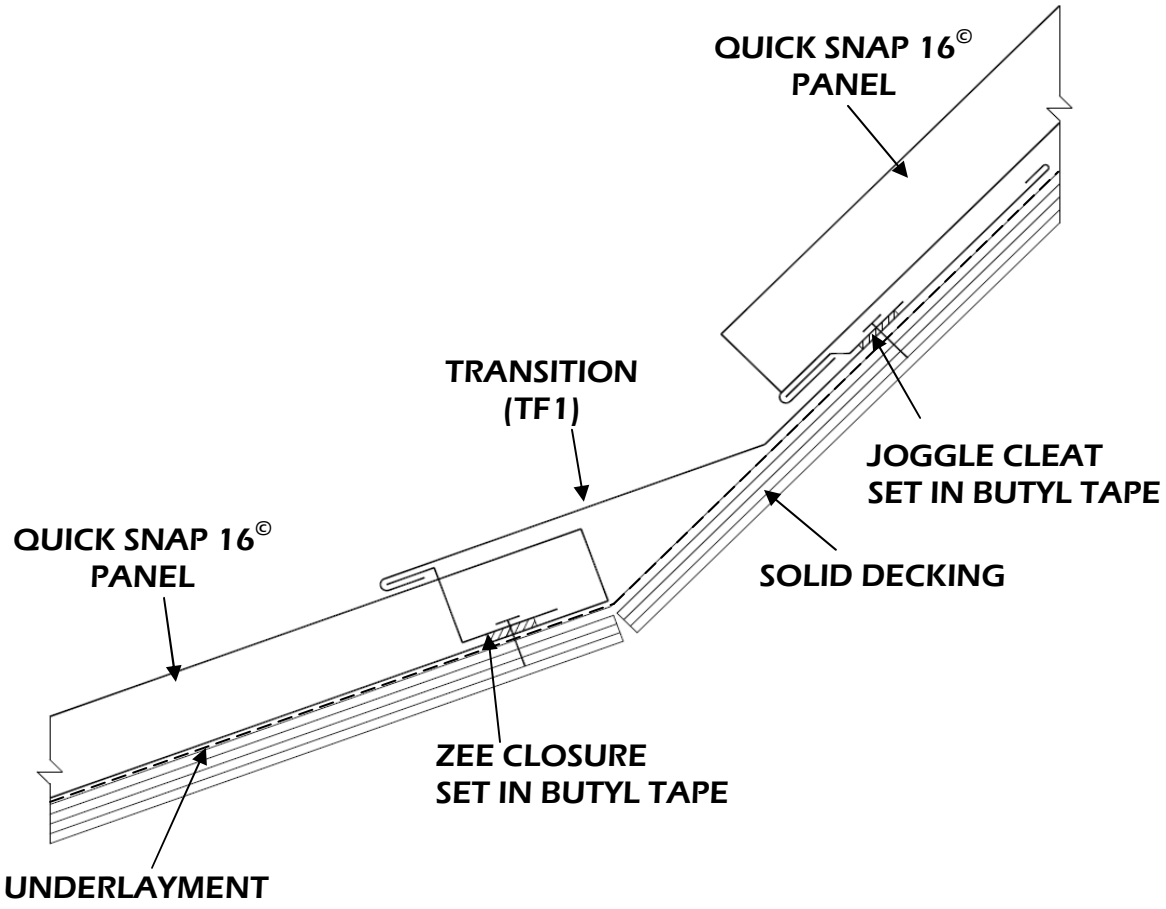


CRIMPED VALLEY
CV1

VALLEY PROCEDURE:

1. Layout valley trim over substructure.
2. Locate joggle cleat at least 4" from center of valley trim.
3. Set joggle cleat in butyl tape and fasten through cleat, butyl tape, and valley trim into substructure.
4. Place first fastener at least 6" from end of panel.
5. Complete hemming procedure as per detail on page 4.

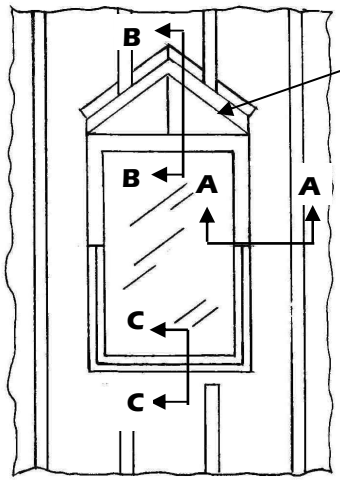
TRANSITION PROCEDURE



TRANSITION PROCEDURE:

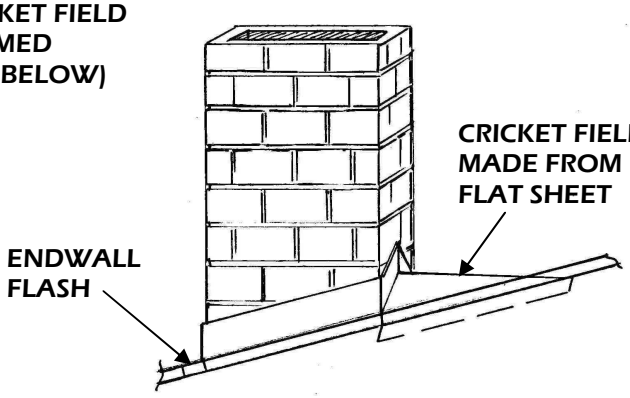
1. Attach lower roof to substructure to start detail.
2. At the top of the lower roof panels, install field cut zee closures to accept transition. Fasten through zee closure, butyl tape, and panel into substructure.
3. Place transition trim open hem over zee closure and fasten into upper roof at the highest point of transition trim.
4. Set joggle cleat into butyl tape approximately 4" above transition.
5. Complete hemming procedure as per details on page 4. Then latch onto joggle cleat . Crimp.

SKYLIGHT or CHIMNEY DETAILS



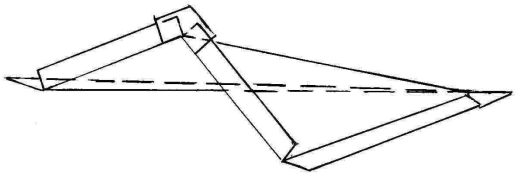
CRICKET FIELD FORMED (SEE BELOW)

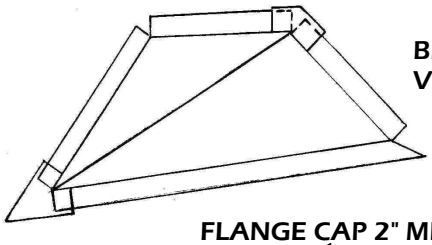
SEE FOLLOWING PAGE FOR CROSS SECTIONS A-A, B-B, C-C

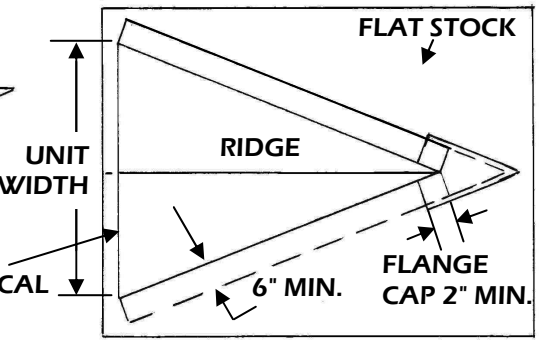


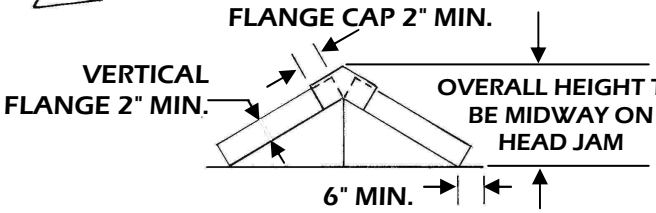
FOR OPTIMUM WEATHERTIGHTNESS, USE ICE AND WATER SHIELD OR SIMILAR UNDERLAYMENT AROUND PENETRATIONS.

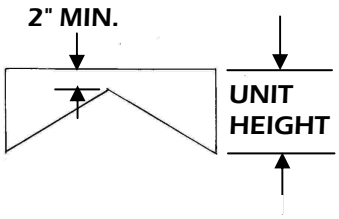
CRICKET FIELD FORMING





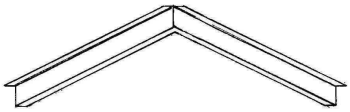




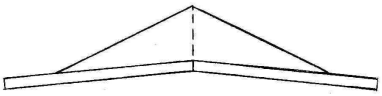


ALTERNATIVE CRICKET DETAIL

1-1/2" ASP HIP CLOSURE USE TO CREATE BASE/FRAME OF CRICKET.

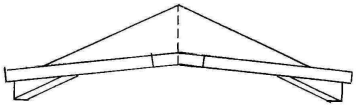


TOP OF CRICKET FIELD FORMED FROM FLAT SHEET



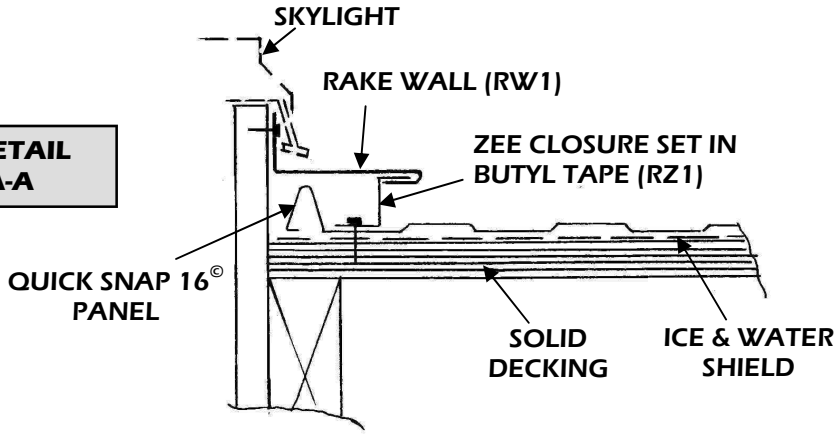
CUT TRIANGULAR CRICKET TOP FOLD UP WIDE END OF TRIANGLE. SLIT CENTER OF FOLD & BEND SLIGHTLY DOWN CENTER.

FASTEN TOP OF CRICKET TO BASE. CAULK ALL JOINTS AND SEAMS WITH ONE-PART POLYURETHANE SEALANT.

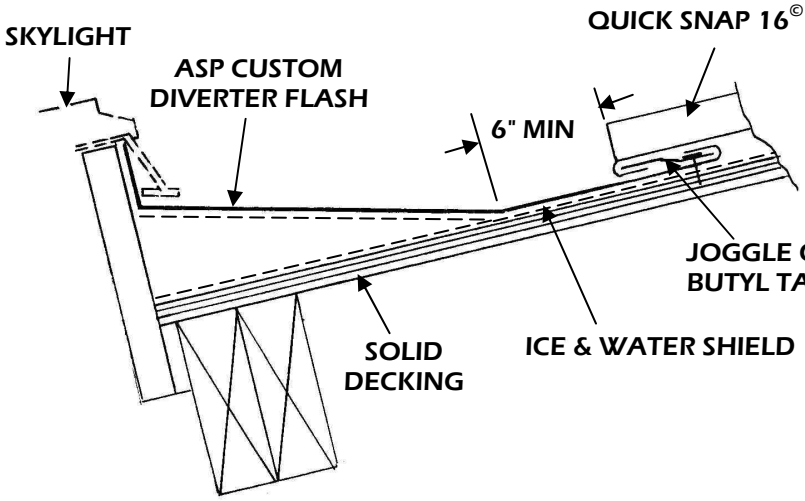


FABRICATE SMALL CAP TO COVER AREA THAT WAS SLIT.

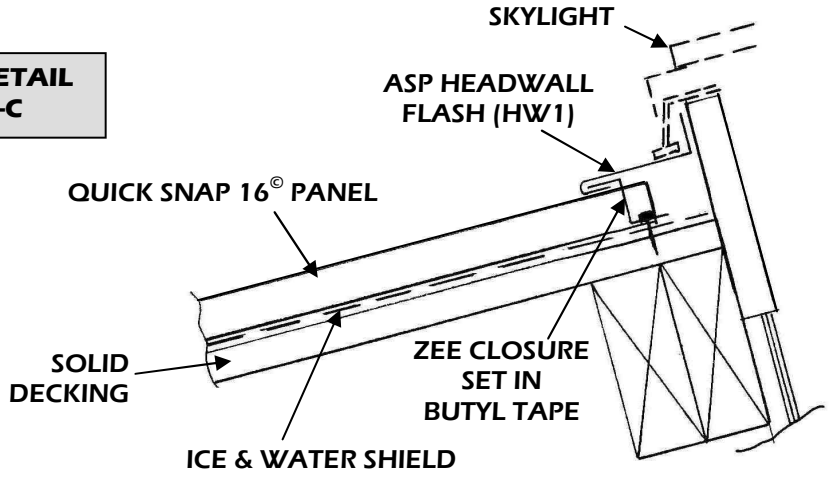
SIDEWALL DETAIL SECTION A-A



CRICKET FIELD FORMING SECTION B-B

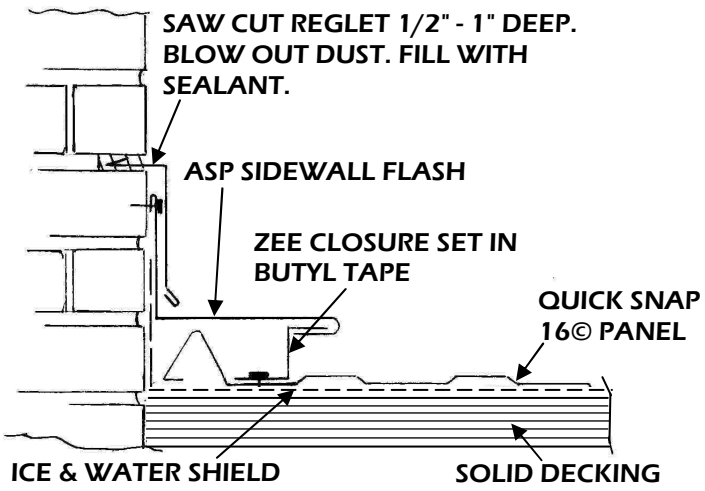


HEADWALL DETAIL SECTION C-C

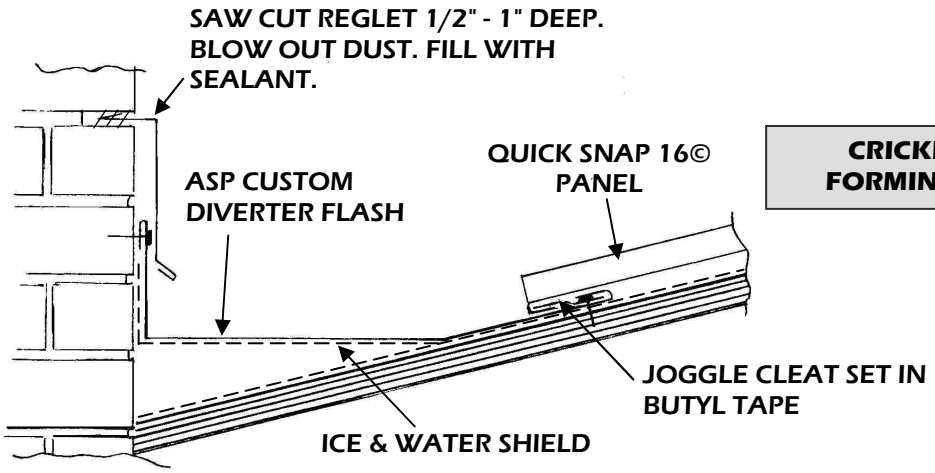


CHIMNEY DETAILS

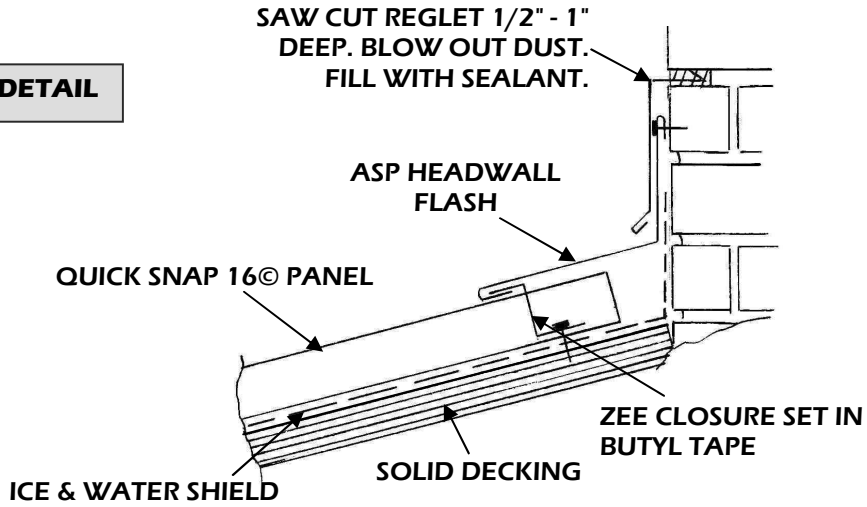
SIDEWALL DETAIL



CRICKET FIELD FORMING DETAIL



HEADWALL DETAIL



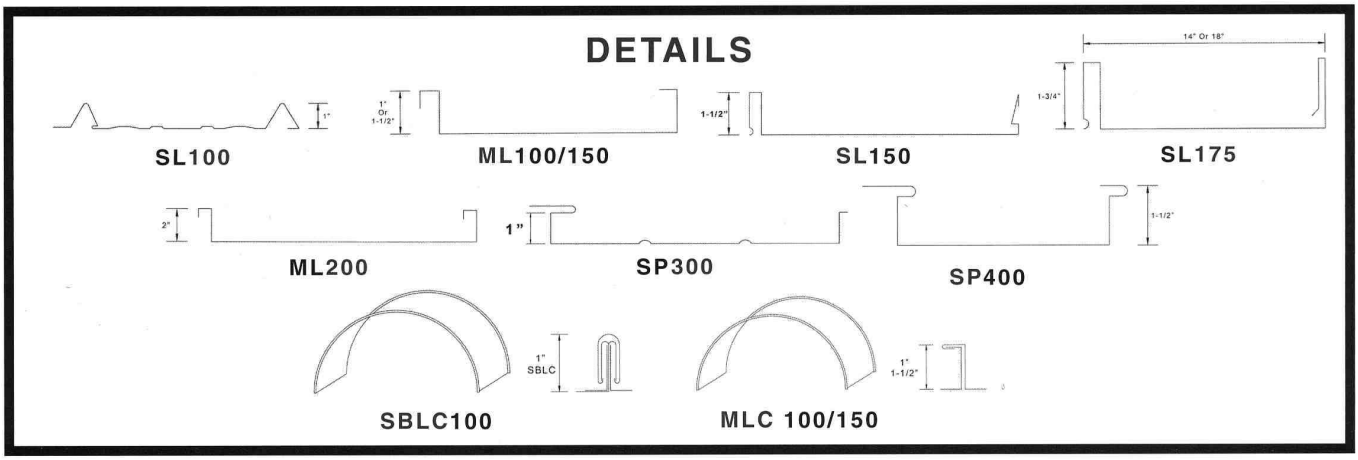
OTHER PANEL PROFILES AVAILABLE

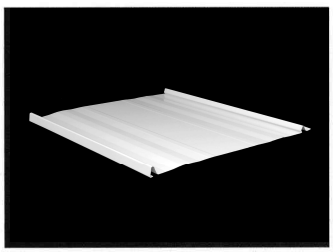
(In various standard finishes, gauges, custom metals)

ARCHITECTURAL SHEETMETAL PRODUCTS

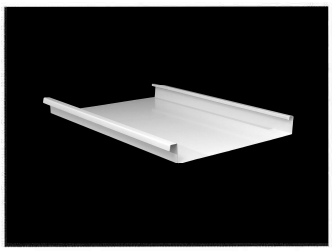
ASP, Inc. also offers a variety of High Performance Metal Roofing Finishes for Galvalume®, Galvanized and Aluminum Coils and Sheets

Galvalume® Panels are available in our Standard SpectraLume® (Fluoropolymer) and Mill Finishes (Copper and Custom Metals available in some profiles)

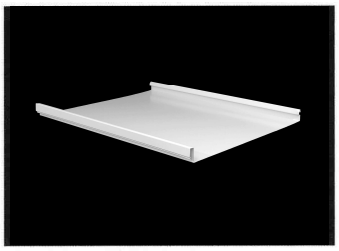




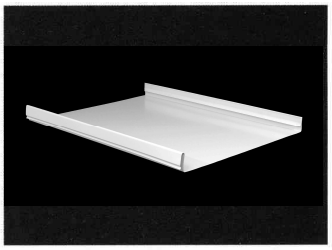
SL-100
1" Integral Snap Lock Panel With Nailing Fin
16" and 20" 24ga
Residential and light commercial projects



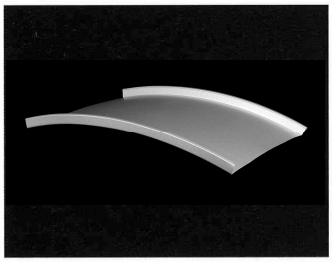
ML-200
2" High Mechanical Seam
14" and 16" or 18" 24ga
Commercial and light commercial projects



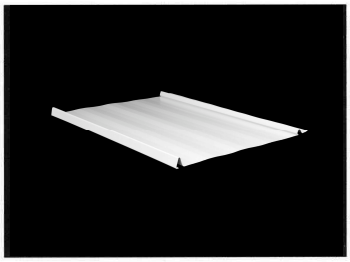
SL-150
1 1/2" Snap Lock Panel
15" or 19" Standard, other widths quoted. 24ga
Residential and light commercial projects



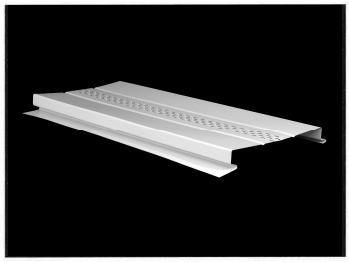
SL-175
1 3/4" Snap Seam Panel
14" or 18" Standard 24ga
Residential, commercial and light commercial applications



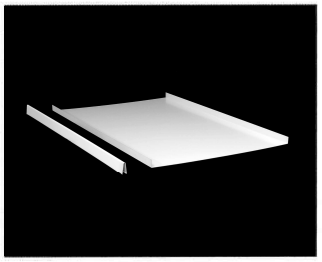
MLC-100/150*
1" and 1 1/2" Mechanical Seam Flat/Curved Panel
May only be curved for Barrel applications, residential and light commercial projects



Quick Snap 16©
1" Snap Lock Panel with Nailing Fin
16" Standard (29ga)
Residential, light commercial projects



SP-300/400
1" Flush Wall/Soffit Panel
SP-300: 12", 16", 20" Standard
SP-400: 10" , 14", 18" 24ga
Residential, commercial, light commercial projects



SBLC-100*
1" Batten Seam Flat/Curved Panel
16" and 20" Standard 24ga
Primary uses: Barrel and Concave Roof projects

NOTES

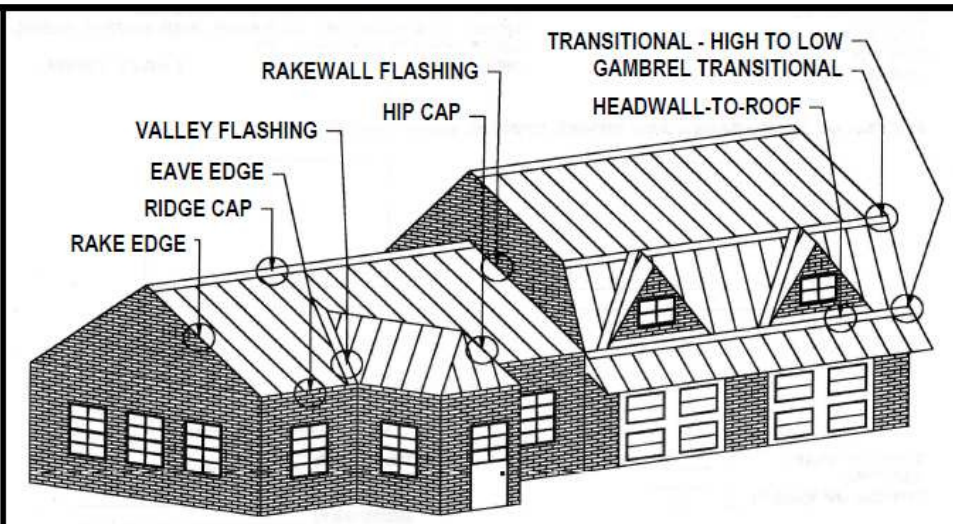
ARCHITECTURAL SHEETMETAL PRODUCTS

1329 Amsterdam Road (Route 5) • Scotia, New York 12302
Phone 518-381-6144 • www.aspmetals.com

Check List & Measuring Guide for Metal Roofing

RECOMMENDED TOOLS FOR INSTALLATION

1. SCREW GUN
2. #2 PHILLIPS MAGNET HEAD
3. AVIATION METAL SNIPS
4. DUCK BILL METAL BENDERS
5. HAMMER
6. PANHEAD SCREWS
7. CAULK GUN
8. RUBBER MALLET
9. CHALK LINE
10. TAPE MEASURE
11. 1" BENDING TOOL
12. METAL NIBBLER (OPTIONAL)
13. PORTABLE BRAKE (OPTIONAL)



THINGS TO REMEMBER:

- TAKE OFF IS COMPLETED WITH *APPROXIMATE* QUANTITIES – FIELD VERIFICATION OF MATERIALS IS NECESSARY TO MANUFACTURE AN ACCURATE PRODUCT.
- ***SIGN OFF WILL BE REQUIRED* BEFORE PRODUCTION BEGINS!!***
- MEASURE TWICE, CUT ONCE!
- EXTREMELY IMPORTANT THAT PANEL LENGTHS ARE ACCURATE.
- PITCH OF ROOF IS NECESSARY.
- TYPE OF DECK (IE: PURLIN, WOOD DECK, STEEL ETC).
- IS JOB START-UP REQUIRED? (CHECK WITH DISTRIBUTOR FOR PRICING)
- ARE SHOP DRAWINGS REQUIRED?
- IS WEATHERTIGHTNESS WARRANTY REQUIRED?
- WHO / HOW WILL PRODUCT BE UNLOADED?
- A CLEAR, LEVEL LOT IS REQUIRED FOR DELIVERING / UNLOADING MATERIALS, OR FOR SETTING UP MACHINE ON-SITE.
- IF FORMING EQUIPMENT REQUIRED ONSITE, SEE "ASP ON-SITE ROLLFORMING AGREEMENT" FOR INSTRUCTIONS.

LINEAL FEET FOR ACCESSORIES:

► ROOF PITCH: _____ / 12 ◄

		ASP DETAIL #
Eave/ Drip Edge	_____ LF	_____
Ridge	_____ LF	_____
Rake Edge	_____ LF	_____
Sidewall	_____ LF	_____
Hip	_____ LF	_____
Valley	_____ LF	_____
Transition	_____ LF	_____
Headwall	_____ LF	_____
Zee Closure	_____ LF	_____
Joggle Cleat	_____ LF	_____

Unless otherwise noted, all details will be fabricated in standard 10' LENGTHS to match roof. SEE BACK.

PANELS

OF PANELS: _____ @ _____
OF PANELS: _____ @ _____
OF PANELS: _____ @ _____
OF PANELS: _____ @ _____
OF PANELS: _____ @ _____

TOTAL LINEAL FT: _____ LF

IMPORTANT PANEL INFORMATION:

RIBS? YES____NO____ STRIATIONS? YES____ NO____ PAN WIDTH _____Inches
COLOR:_____ THICKNESS OF MATERIAL _____GA

WHAT TO MEASURE:

MEASURE FROM PEAK TO FASCIA - MEASURE RAKE TO RAKE - Measure all other sections of roof separately (ie: Ridge, Valley, Transition, dormers etc) length & width. Is the structure vented at the ridge? Provide all pitches on all sections of roof. More is always better. A panel can be cut shorter, but you can't make it longer!

ASP PANEL NAMES

- QUICK SNAP 16© - 29 GA SNAP LOCK PANEL WITH NAIL FIN
- SL-100 - 24 ga. 1" SNAP LOCK PANEL WITH NAIL FIN
- SL-150 - 24 ga. 1-1/2" SNAP LOCK PANEL
- SL-175 - 24 ga. 1-3/4" SNAP LOCK PANEL
- SBL-100 - 24 ga. 1" SNAP-ON BATTEN SEAM
- SBLC-100 - 24 ga. 1" CURVED SNAP-ON BATTEN SEAM
- ML-100/150 - 24 ga. 1" & 1-1/2" MECHANICALLY SEAMED PANEL
- MLC-100/150 - 24 ga 1" & 1-1/2" CURVED MECHANICALLY SEAMED PANEL
- ML-200 - 24 ga. - 2" MECHANICALLY SEAMED PANEL
- SP-300 - 24 ga. 1" SOFFIT / FLUSH WALL PANEL
- SP-400 - 24 ga. 1-1/2" SOFFIT / FLUSH WALL PANEL



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"The Go-To Guys for Metal"

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