

* **IMPORTANT**

- NOTE 1 DURING INSTALLATION OF NOVIK CEDAR SHINGLE SYSTEM, IT IS STRONGLY ADVISED TO USE ONLY RECOMMENDED MATERIALS AND/OR TOOLS. APPROPRIATE SAFETY MEASURES SHOULD BE APPLIED TO PREVENT INCIDENTS THAT MAY CAUSE INJURIES FOR WHICH MANUFACTURER SHALL NOT BE HELD LIABLE.
- NOTE 2 **TILE IS NOT IMPERMEABLE. IMPERMEABILITY (WATERPROOFNESS) IS ENSURED BY THE MEMBRANE** (IT IS IMPORTANT TO FOLLOW ALL INSTRUCTIONS OF MEMBRANE MANUFACTURER). IN CASE OF WATER INFILTRATION UNDER PANELS, TILES ARE DESIGNED TO PERMIT WATER TO DRAIN OFF.
- NOTE 3 AT THE TIME PARTS ARE NAILED, **LEAVE 1/32" (0,08cm) SPACE** BETWEEN THE HEAD OF THE NAIL AND THE PART. NAIL THE LAST UPPER HOLE ONLY AFTER HAVING OVERLAPPED THE PART FOLLOWING IT.
- NOTE 4 **LEAVE A 1/4" (0,64cm) SPACE** BETWEEN THE PANEL AND THE INSIDE WALL OF THE UNIVERSAL CHANNEL, TO ALLOW FOR EXPANSION AND CONTRACTION OF THE PART.
- NOTE 5A DURING HORIZONTAL ASSEMBLY OF PANELS, DO NOT APPLY PRESSURE TO POSITIONING STOPS. IF RESISTANCE IS FELT, DO NOT FORCE INSERTION OF PART. **USE REFERENCE LINE** TO CONFIRM CORRECT POSITIONING OF PANELS (SEE DRAWINGS OF STEPS 4B)
- NOTE 5B VERTICAL ASSEMBLY: IF RESISTANCE IS FELT, DO NOT FORCE INSERTION OF PART.
- NOTE 6 **USE WATERPROOF, SELF-SEALING / SELF-ADHERING / SELF-HEALING MEMBRANE (MEETING THE 1970 ATSM STANDARD) OVER ENTIRE SURFACE OF ROOF. THE MEMBRANE USED MUST MEET THE REQUIRED CHARACTERISTICS OR WARRANTY IS NULL AND VOID.**
- NOTE 7 INSTALL THE MEMBRANE FOLLOWING MANUFACTURER'S SPECIFICATIONS.
- NOTE 8 USE 1-1/4" (3,2cm) HOT GALVANIZED ROOFING NAILS WITH A HEAD OF 0.4" (1cm) IN DIAMETER AND A BODY OF 0.150" (0,38cm) OF DIAMETER.
- NOTE 9 WHEN INSTALLED AT OUTDOOR TEMPERATURES UNDER 40° F (5° C) – ADJUST PANEL TO TEMPERATURE LINE INDICATED (SEE INDICATIONS AT UPPER EDGE OF START STRIPS OR OF PANELS).
- NOTE 10 THE INSTALLATION MUST BE DONE ON A ROOF WITH A **MINIMUM PITCH OF 3 : 12.**
- NOTE 11 KEEP PRECIOUSLY THE R-E-L NUMBER OF YOUR PRODUCTS (EX: REL-123456) FOR FUTURE REFERENCES.
- NOTE 12 **WARNING, SNOW AND ICE WILL NOT STICK ONTO NOVIK CEDAR SHINGLE ROOFING SYSTEM. IT IS STRONGLY RECOMMENDED TO INSTALL SNOW GUARDS WHERE SNOW AND / OR ICE FALL COULD CAUSE INJURIES AND / OR DAMAGES**

STEP 1 WATERPROOF MEMBRANE

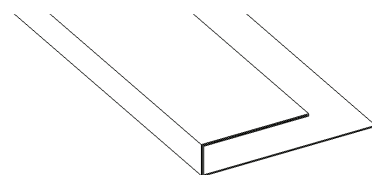
SELF-SEALING / SELF-ADHERING / SELF-HEALING / CLASS C FIRE RESISTANCE

WATERPROOFING THE ROOF IS ENSURED BY THE MEMBRANE (E.G. CHIMNEY, PIPING, ETC.) THE MEMBRANE MUST BE INSTAL ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

THE MEMBRANE ENSURES WATERPROOFNESS OF ROOF.

STEP 2 UNIVERSAL CEDAR SHINGLE MOULDING

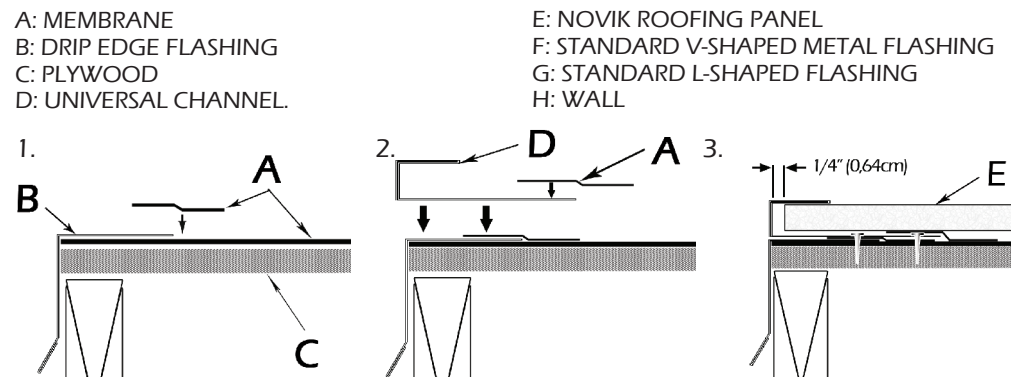
DETAILS / DIMENSIONS / INSTALLATION



MATERIAL: ALUMINUM
THICKNESS: 0.0185" (0,047cm)
DIMENSIONS: 1.88" (4,78cm) X 0.625" (1,59cm) X 3.00" (7,62cm)
LENGTH: 9.84' (3m)

A INSTALLING FLASHING ON SLOPE

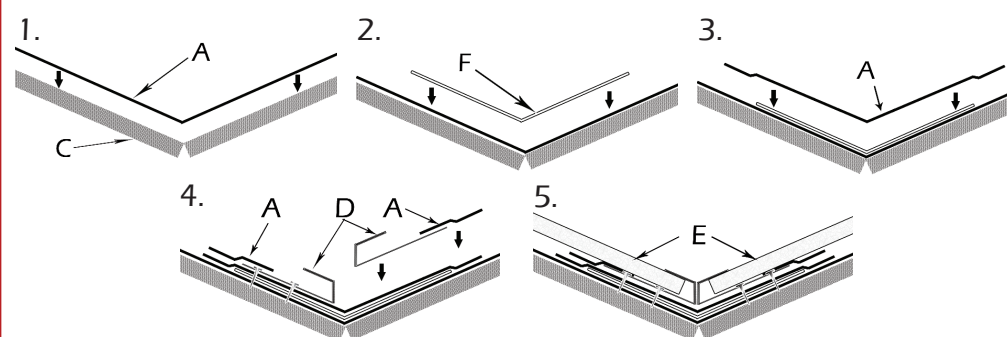
UNIVERSAL CEDAR SHINGLE CHANNEL



1. INSTALL THE RECOMMENDED MEMBRANE (NOTES 6-7). INSTALL DRIP EDGE FLASHING (NOTE 8). COVER END OF DRIP EDGE WITH A MEMBRANE STRAP.
2. NEXT INSTALL THE UNIVERSAL CHANNEL (NOTE 8) AND COVER THE END OF THE CHANNEL WITH A MEMBRANE STRAP.
3. THE ROOFING SYSTEM WILL BE ENGAGED INTO THE UNIVERSAL CHANNEL AT STEP 3 AND 4 (NOTE 4).

B INSTALLING VALLEY CHANNEL FLASHING

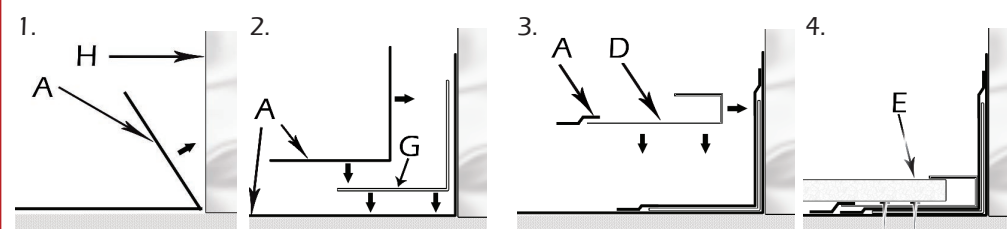
UNIVERSAL CEDAR SHINGLE CHANNEL



1. INSTALL RECOMMENDED MEMBRANE (NOTES 6-7).
2. INSTALL STANDARD V-SHAPED METAL FLASHING (NOTE 8).
3. COVER ALL THE V-SHAPED FLASHING WITH MEMBRANE (NOTE 8).
4. NEXT INSTALL THE UNIVERSAL CHANNELS (NOTE 8). AND COVER END OF UNIVERSAL CHANNELS WITH A MEMBRANE STRAP
5. THE ROOFING SYSTEM WILL BE ENGAGED INTO THE UNIVERSAL CHANNEL AT STEP 3 AND 4 (NOTE 4).

C INSTALLING PARAPET FLASHING

UNIVERSAL CEDAR SHINGLE CHANNEL

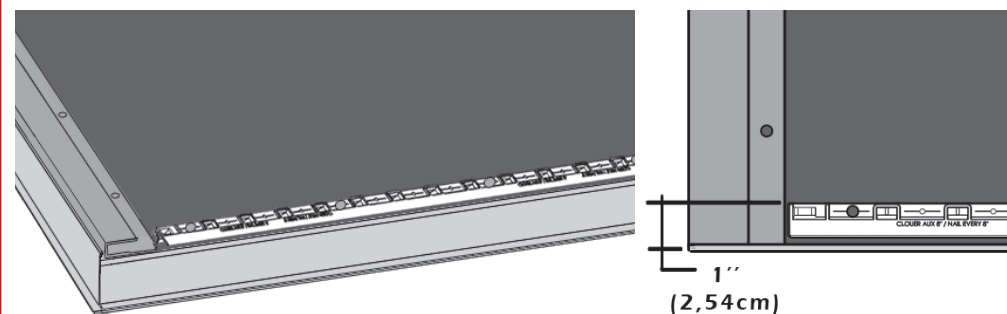


1. INSTALL MEMBRANE UP TO WALL EDGE CONTINUING 6" (15,24cm) UP THE WALL (NOTE 6 AND 7).
2. INSTALL STANDARD L-SHAPED FLASHING (NOTE 8) AND COVER ALL THE L-SHAPED FLASHING WITH MEMBRANE.
3. INSTALL UNIVERSAL CHANNEL (NOTE 8) AND COVER HIS END WITH MEMBRANE STRAP.
4. THE ROOFING SYSTEM WILL BE ENGAGED INTO THE UNIVERSAL CHANNEL AT STEP 3 AND 4 (NOTE 4).

STEP 3 INSTALLING STARTER STRIP

INSTALLING CEDAR SHINGLE SYSTEM

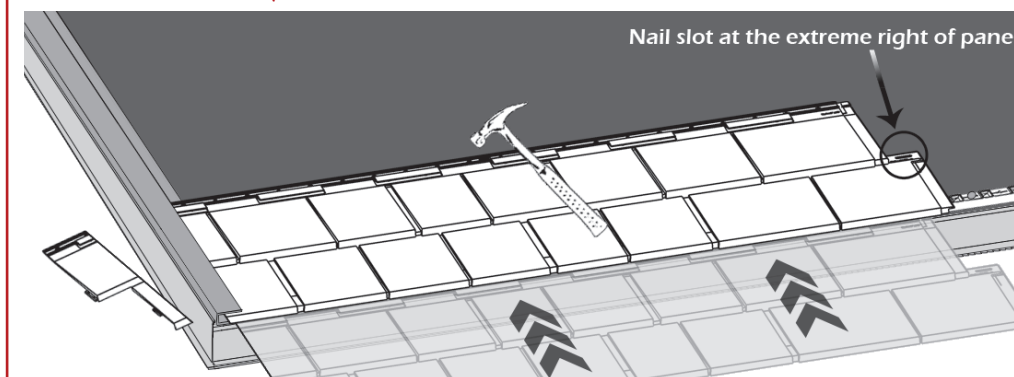
STARTER STRIP
MATERIAL: POLYMER
DIMENSIONS: THICK.: 0.5" (1,27cm)
HEIGHT: 1" (2,54cm)
LENGTH: 6' (1,83m)



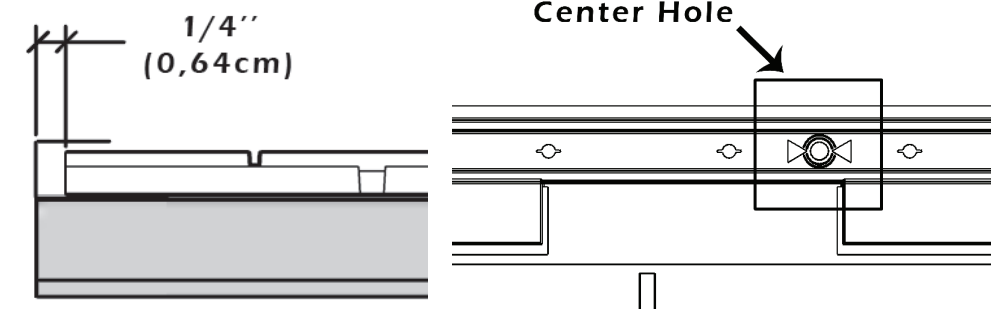
1. **STARTER STRIP MUST BE INSTALLED 1" (2,54cm) FROM THE EAVES.**
2. **NAIL** THE STARTER STRIPS THROUGH THE NAILING HOLES **AT 8" (20,32cm) INTERVALS AND IN THE CENTER HOLE.**
3. ALIGN THE NEXT STARTER STRIP AND NAIL THEM IN THE SAME WAY AS THE FIRST ONE.

STEP 4 INSTALLING PANELS

A) FIRST PANEL

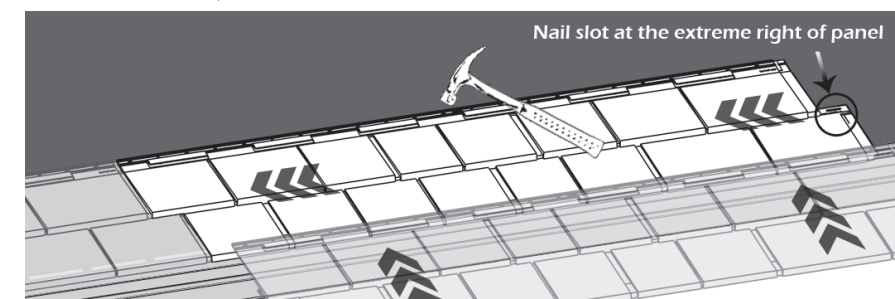


1. **ROOF WITH 2 SLOPES:** CUT THE LEFT SIDE OF PANEL AND SLIDE INTO THE UNIVERSAL MOLDING (NOTE 4). GO TO POINT 3.
2. **ROOF WITH 4 SLOPES:** CUT THE PANEL 4" (10,16cm) FROM THE HIP STRINGER IN THE INSTALLED POSITION, FOLLOWING THE LINE OF THE HIP STRINGER (SEE STEP 6).
3. PUSH THE PANEL UPWARDS IN ORDER TO ENGAGE THE HOOKS IN THE STARTER STRIP (NOTE 5 AND SEE DRAWING ABOVE).
4. SLIDE THE PANEL INSIDE THE UNIVERSAL MOLDING LEAVING A DISTANCE OF 1/4" (0,64cm) FROM THE BOOTOM (SEE NOTE 4 AND DRAWING BELOW).
5. FIRST NAIL THE **CENTER** HOLE IN THE PANEL (SEE NOTE 3 AND DRAWING BELOW).
6. NAIL THROUGH THE SET HOLES - DON'T FORGET THE HOLE AT THE EXTREME RIGHT OF PANEL - 6 NAILS PER PANEL (SEE NOTE 3).



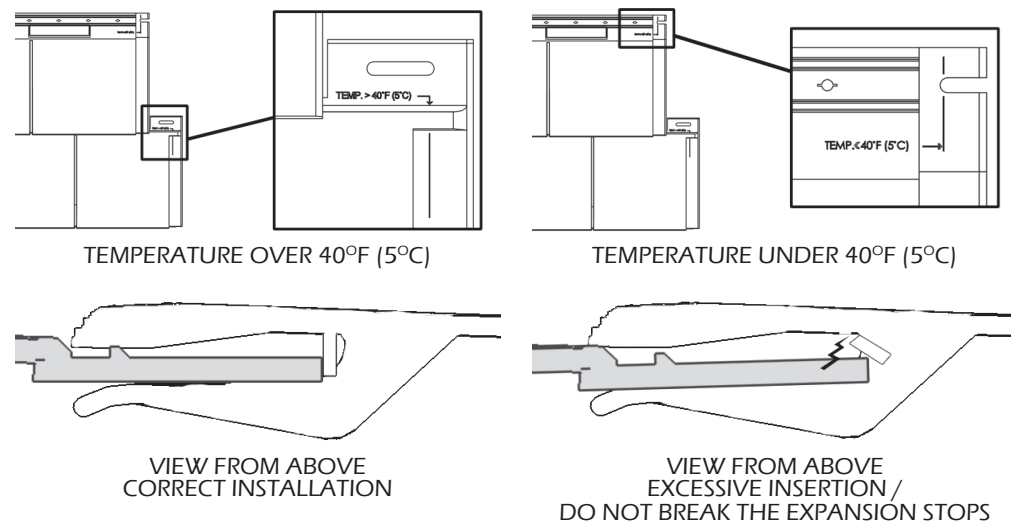
STEP 4 INSTALLING PANELS

B) SUBSEQUENT PANELS



1. PUSH THE SUBSEQUENT PANEL UPWARDS IN ORDER TO ENGAGE THE HOOKS IN THE STARTER STRIP (NOTE 5).
2. **IF INSTALLED IN OUTSIDE TEMPERATURE ABOVE 40°F (5°C):** SLIDE THE PANEL TO THE LEFT UP TO THE POSITIONING STOPS WITHOUT CRUSHING THEM. **USE THE REFERENCE LINE** TO CONFIRM CORRECT POSITIONING OF PANELS (SEE NOTE 5 AND THE FOLLOWING DRAWINGS).
3. **IF INSTALLED IN OUTSIDE TEMPERATURE LESS THAN 40°F (5°C):** SLIDE THE PANEL TO THE LEFT AS FAR AS THE TEMPERATURE LINE INDICATED ON THE PANEL (SEE THE FOLLOWING DRAWINGS).
4. FIRST NAIL THROUGH THE **CENTER** OF THE PANEL (SEE NOTE 3).
5. NAIL THROUGH SET HOLES - DON'T FORGET THE HOLE AT THE EXTREME RIGHT OF PANEL - 6 NAILS PER PANEL (SEE NOTE 3).
6. REPEAT POINTS 1 TO 5 TO EDGE OF THE ROOF. CUT EXCESS OF THE LAST PANEL AND SLIDE INTO THE UNIVERSAL MOLDING (NOTE 4).

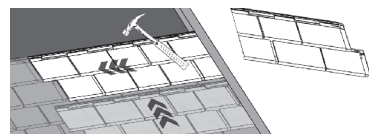
STEP 4 INSTALLING PANELS
B) SUBSEQUENT PANELS (CONTINUATION)



SUBSEQUENT ROWS

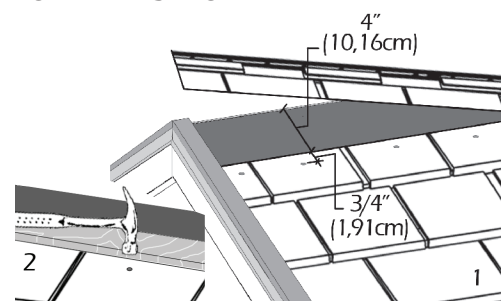
- CUT THE FIRST PANEL OF THE SUBSEQUENT ROW A DISTANCE OF 16" (40.6CM) FROM YOUR CUT ON THE STARTING ROW. TO AVOID REPETITION, ALTERNATE THE SEQUENCE OF CUTS ON SUBSEQUENT ROWS TO OBTAIN A CHECKERED PATTERN.
- INSERT THE PANEL OVERLAPPING THE LOWER ROW AND BRING IT UPWARDS IN ORDER TO ENGAGE THE HOOKS (NOTE 5).
- SLIDE THE PANEL INTO THE UNIVERSAL MOLDING AND NAIL IT DOWN (SEE NOTE 3 AND NOTE 4).
- INSTALL SUBSEQUENT PANELS CORRECTLY ACCORDING TO THE OUTSIDE TEMPERATURE UP TO THE TOP OF THE ROOF (SEE NOTE 3 AND 5).
- REPEAT THESE STEPS UP TO THE TOP OF THE COVERING.

HOW TO FINISH OFF A ROW



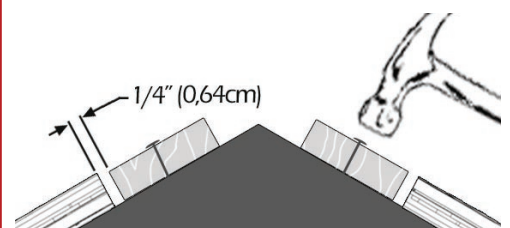
- TEMPORARILY PLACE THE PANEL IN THE FINAL INSTALLED POSITION OVER THE MOLDING. CUT THE PANEL 1 1/4" (3.18CM) FROM THE BOTTOM OF THE MOLDING.
- SLIDE THE PANEL UNDER THE UNIVERSAL MOLDING, PUSH UPWARDS UNTIL IT ENGAGES THE LOWER PANEL (NOTE 5).
- SLIDE THE PANEL TO THE LEFT UNTIL IT ENGAGES THE PRECEDING PANEL.
- ENSURE CORRECT OVERLAP FOLLOWING THE APPROPRIATE TEMPERATURE GUIDES DURING INSTALLATION.
- EACH TIME YOU USE A PART OF A PANEL, PIERCE A NEW **CENTER HOLE** OF 3/16" (0.48CM) IN THE MIDDLE OF THE PART AT THE SAME HEIGHT AS THE OTHER INSTALLATION HOLES. NAIL FOLLOWING THE PREVIOUS INDICATIONS.

FOR THE LAST ROW



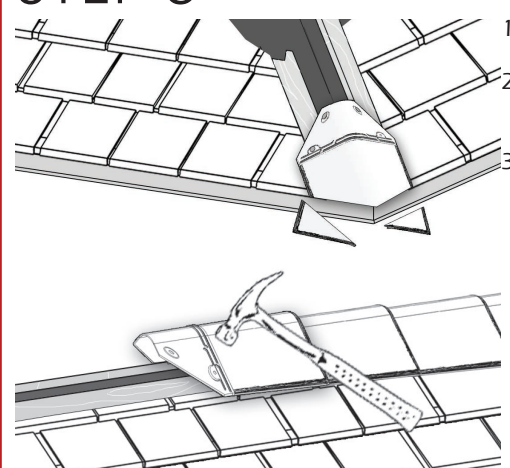
- CUT THE PANEL STRAIGHT 4" (10,16cm) FROM THE RIDGE.
- CREATE A NEW NAILING AREA** MAKING 1" (2,54cm) SLITS THE LENGTH OF THE PANEL, AT A DISTANCE OF 3/4" (1,91cm) FROM THE TOP OF THE PANEL, TO RECEIVE THE NAILS.
- SLIDE THE PANEL UPWARDS UNTIL IT ENGAGES WITH THE LOWER PANEL (NOTE 5).
- SLIDE THE FIRST PANEL UNDER THE UNIVERSAL MOLDING A DISTANCE OF 1/4" (0,64cm) FROM THE BOTTOM. FOR SUBSEQUENT PANELS: SLIDE THEM TO THE LEFT UNTIL THEY ENGAGE WITH THE PRECEDING PANELS.
- CORRECTLY INSTALL PANELS ACCORDING TO THE OUTSIDE TEMPERATURE (SEE NOTE 3 AND NOTE 5)
- NAIL A **SET NAIL** AT THE **MIDDLE OF TOP** OF PANEL (NOTE 3) AND IN THE PRE-CUT SLITS (a minimum of six nails per whole panel).

STEP 5 NAILING STRIPS
RIDGE / HIP



SET THE RIDGE CAP AND HIP NAILING STRIPS (3/4" (1,91cm) X 2 1/2" (6,35cm) FURRING STRIPS) 1/4" (0,64cm) FROM PANEL.

STEP 6 RIDGE CAP SHINGLE (FOR RIDGE AND HIP)

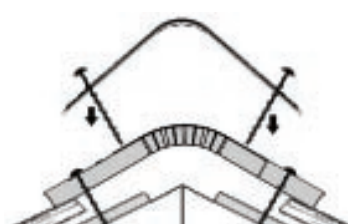


- CUT AND ADJUST THE RIDGE CAP SHINGLE TO THE SHAPE OF YOUR ROOF.
- NAIL THE RIDGE CAP PARTS THROUGH THE 4 RAISED OVALS (MOULDED INTO THE PART) TO THE NAILING STRIPS.
- SET THE RIDGE CAP SHINGLES FOLLOWING THE PREVIOUS ONE AND OVERLAPPING IT BY 3/8" (0,95cm) FROM THE BEGINING OF THE PATTERN.

LAST RIDGE CAP SHINGLE : CUT A PIECE OF RIDGE CAP SHINGLE AT THE PLACE TEXTURE ENDS. TURN THE RIDGE PART SO THAT IT IS FACING THE PART PREVIOUSLY INSTALLED AND NAIL IT DOWN.

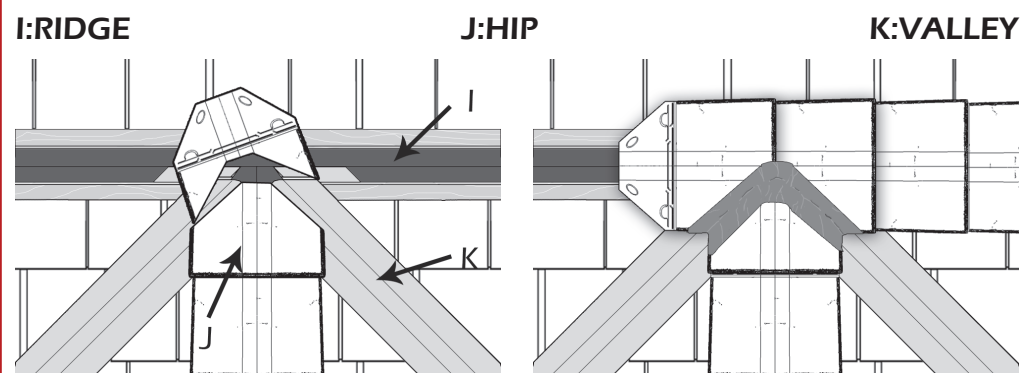
SPECIAL CASES

1. RIDGE CAP AIR VENT (OPTIONAL)



- INSTALL THE PANELS.
- SCREW THE RIDGE AIR VENT DOWN BEFORE AFFIXING THE RIDGE CAP SHINGLE PARTS.
- DO NOT INSTALL THE NAILING STRIP UNDER THE ROOF VENT.

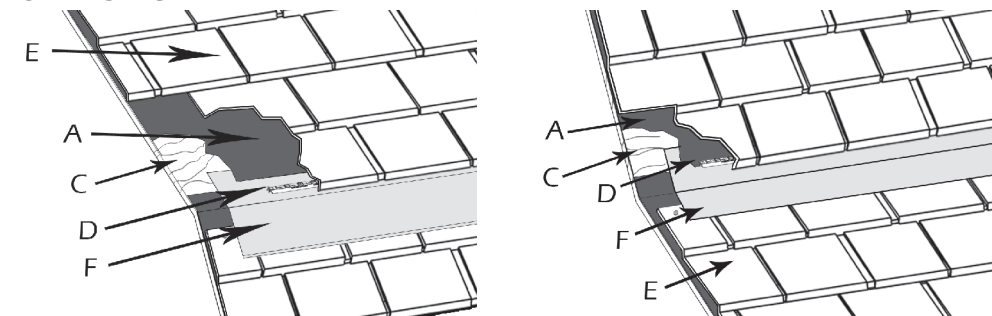
2. RIDGE CAP/HIP (TRANSVERSE RIDGE)



- PLACE RIDGE CAP SHINGLE ON TRANSVERSE RIDGE.
- CUT THE LAST RIDGE CAP SHINGLE FOLLOWING THE SIDE OF THE VALLEY CHANNEL.
- SET THE RIDGE CAP SHINGLE ON ROOF RIDGE.
- CUT THE TWO PARTS OF THE RIDGE SHINGLE THAT GO UP TO AND MEET THE OTHER LINE OF ROOF RIDGE.
- THEN APPLY APPROPRIATE SEALANT ON PART OF RIDGE REMAINING UNCOVERED.

3. FOR A SLOPE WITH DIFFERENT SECTIONS

- A: MEMBRANE
- B: DRIP EDGE FLASHING
- C: PLYWOOD
- D: UNIVERSAL CHANNEL.
- E: NOVIK ROOFING PANEL
- F: STANDARD V-SHAPED METAL FLASHING
- G: STANDARD L-SHAPED FLASHING
- H: WALL

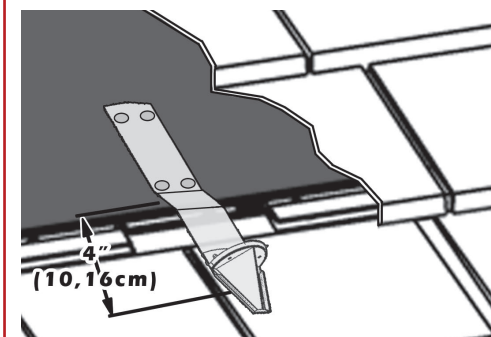


- ENSURE THAT THE MEMBRANE OF THE LOWER PART OF THE ROOF COVERS THE UPPER PART OF THE ROOF BY AT LEAST 3" (7,62cm).
- INSTALL THE PANELS ON THE LOWER PART OF THE ROOF.
- INSTALL THE V-SHAPED FLASHINGS SO THAT THE BOTTOM OF THE FLASHING IS ABOVE THE PANELS OF THE LOWER SECTION, THEN EXTEND THE MEMBRANE OF THE UPPER PART ONTO THE V-SHAPED FLASHING (OVERLAP OF 3" (7,62cm))
- INSTALL THE STARTER STRIPS AND PANELS ON THE UPPER ROOF SECTION.

4. SNOW GUARDS

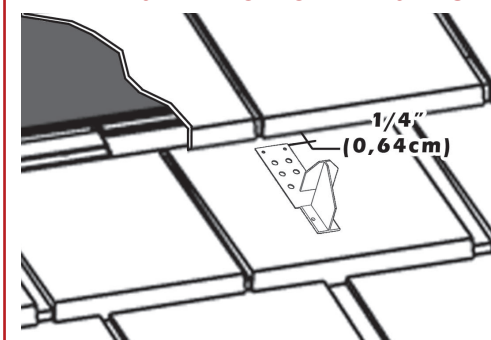
IMPORTANT: IT IS STRONGLY RECOMMENDED TO INSTALL SNOW GUARDS IN APPROPRIATE PLACES (NOTE 12).

DURING THE INSTALLATION OF PANELS (COPPER SNOW GUARDS)



- SEE MUNICIPAL NORMS BEFORE INSTALLATION. DETAILS REGARDING QUANTITY AND LOCATION OF THE SNOW GUARDS REMAIN THE RESPONSIBILITY OF THE INSTALLER AND CUSTOMER (NOTE 12). FOR ADDITIONAL INFORMATION PLEASE CONTACT YOUR SNOWGUARD RETAILER.
- INSTALL THE SNOW GUARDS BETWEEN THE HOOKS IN THE TOP OF THE PANEL.
- LEAVE AN EXPOSURE DISTANCE OF 4" (10,16cm) FROM THE NAILING STRIP.
- SLIDE THE NEXT PANEL UPWARDS UNTIL IT ENGAGES THE LOWER PANEL (NOTE 5).
- ENSURE NO HOOKS HAVE BEEN MISSED.

INSTALLATION OVER EXISTING PANELS (STAINLESS STEEL SNOW GUARDS)



- SEE MUNICIPAL NORMS BEFORE INSTALLATION. DETAILS REGARDING QUANTITY AND LOCATION OF THE SNOW GUARDS REMAIN THE RESPONSIBILITY OF THE INSTALLER AND CUSTOMER (NOTE 12). FOR ADDITIONAL INFORMATION PLEASE CONTACT YOUR SNOWGUARD RETAILER.
- SNOW GUARDS MUST BE INSTALLED ON FLAT SURFACES OF PANELS AT 1/4" (0,64cm) FROM THE BOTTOM OF UPPER PANELS.
- POSITION THE SNOW GUARD AND DRILL NEW HOLES INTO THE PANEL THROUGH THE NAILING HOLES OF THE SNOW GUARD
- SCREW THE SNOW GUARD INTO THE DRILLED HOLES SO THAT THE SCREWS PENETRATE AT LEAST 3/4" (1,91cm) INTO THE SOLID SURFACE OF THE ROOF. A MINIMUM OF 4 SCREWS IS REQUIRED