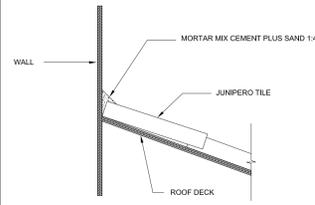
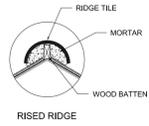


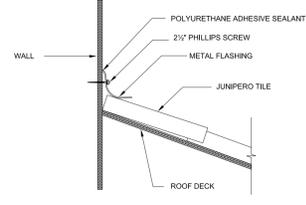
**RIDGE INSTALLATION**

RECOMMENDED GUIDELINES TO INSTALL THE RIDGE TILE:  
 -INSTALL 3/4" X 1 1/2" HORIZONTAL WOOD BATTEN AT THE HIGHEST POINT OF THE ROOF TO ALIGN THE RIDGE.  
 -FILL IN WITH MORTAR AS NECESSARY ON THE SIDE OF THE BATTENS IN ORDER TO PLACE THE RIDGE TILE.



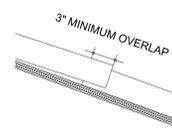
**ROOF-TO-UPPER WALL FINISHED DETAIL MORTAR**

IN ORDER TO HAVE BETTER SEALING RESULTS, IT IS RECOMMENDED TO PLACE MORTAR AT THE WALL AND TILE JOINT, AS SHOWN.



**ROOF-TO-UPPER WALL FINISHED DETAIL METAL FLASHING**

TO ENSURE PROPER SEALING, INSTALL METAL FLASHING AS SHOWN. USE 2 1/2\"/>

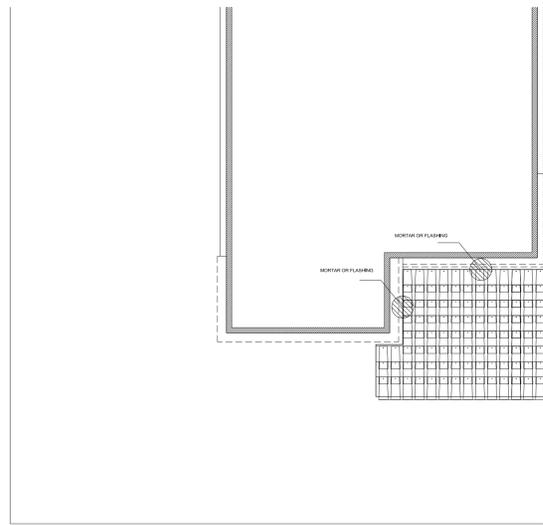
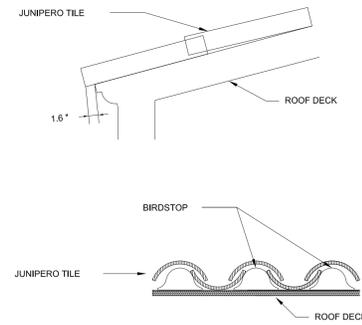


**HORIZONTAL COURSE OVERLAP**

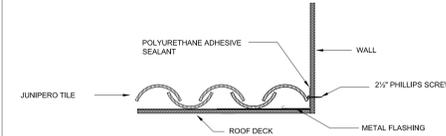
OVERLAP WILL VARY DEPENDING ON THE ROOF DIMENSIONS AND SHAPE. A 3\"/>

**EAVE DETAIL**

- THE FIRST COURSE LINE WILL NEED A MINIMUM OF 1.6\"/>
- IT IS RECOMMENDED TO INSTALL A BIRDSTOP AT THE STARTER TILE TO ALIGN THE FIRST COURSE LINE.

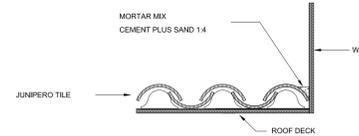


| QUANTITY OF TILE PIECES |             |                       |
|-------------------------|-------------|-----------------------|
| TILE PROFILE            | DIMENSION   | NUMBER OF TILE PIECES |
| JUNIPERO                | 16.75x5.75" | 196                   |
|                         |             |                       |
|                         |             |                       |
|                         |             |                       |



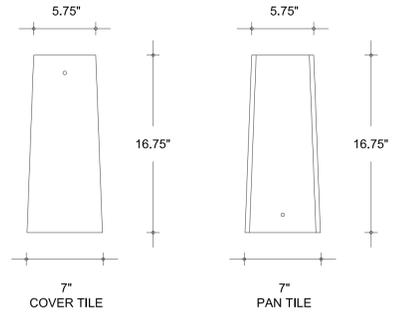
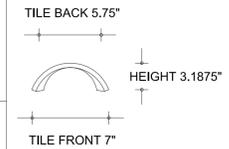
**ROOF-TO-SIDE WALL FINISHED DETAIL METAL FLASHING**

TO ENSURE PROPER SEALING, IT IS RECOMMENDED TO INSTALL A METAL FLASHING, AS SHOWN IN THE DRAWING. USE 2 1/2\"/>



**ROOF-TO-SIDE WALL FINISHED DETAIL MORTAR**

TO ENSURE PROPER SEALING, APPLY MORTAR AT WALL AND TILE JOINT, AS SHOWN IN THE DRAWING.

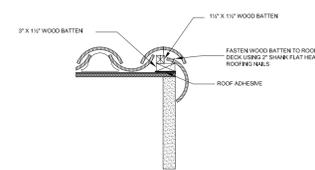


**JUNIPERO TILE**

**RAKE TILE FASTENING DETAIL**

FOR THE RAKE TILE AT SIDEWALL, FIRST, FASTEN TOGETHER, ONE 3\"/>

NOTE: IN ORDER TO AVOID WATER INFILTRATIONS AND/OR OTHER ROOF DAMAGE, IT IS RECOMMENDED TO USE ROOF ADHESIVE TO FASTEN THE WOOD BATTEN TO THE ROOF DECK.

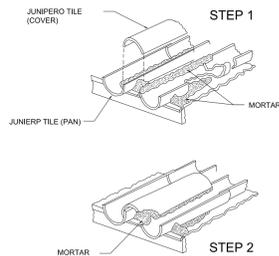


**INSTALLATION NOTE**  
 FOR MORTAR FASTENING IN MODERATE WIND REGIONS, USE A MIX OF CEMENT PLUS SAND (1:4) AND FOLLOW THESE RECOMMENDATIONS:

**PAN TILE:**  
 STEP 1:  
 - APPLY A 10\"/>

**COVER TILE:**  
 STEP 2:  
 - INSIDE OF EACH PAN TILE, APPLY A 10\"/>

**PROJECT SCOPE:** FASTENING OF TILES AROUND THE ROOF PERIMETER AND FIELD OVERLAPPING TILES WITH THE USE OF FOAM.



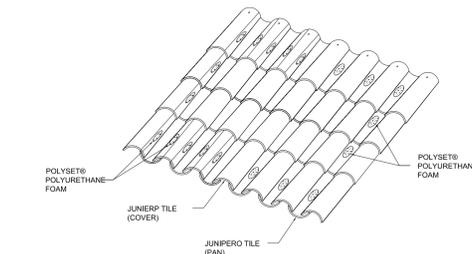
**FASTENING OPTION: MORTAR**

**INSTALLATION NOTE**  
 APPLY POLYURETHANE FOAM TO FASTEN THE TILE TO THE ROOF DECK, ESPECIALLY IN MODERATE WIND REGIONS. FOLLOW THESE RECOMMENDATIONS:

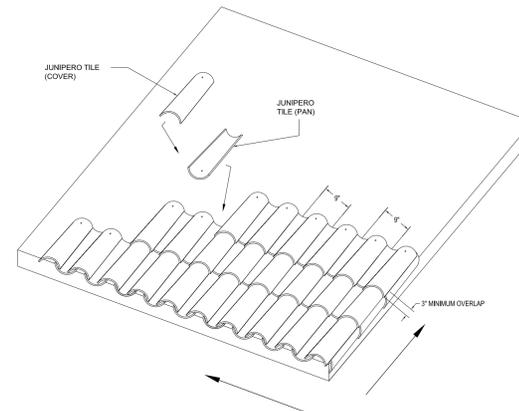
**PAN TILE:**  
 - APPLY ONE SHOT OF 10\"/>

**COVER TILE:**  
 - APPLY TWO SHOTS OF 10\"/>

**PROJECT SCOPE:** FASTENING OF TILES AROUND THE ROOF PERIMETER AND FIELD OVERLAPPING TILES WITH THE USE OF FOAM.



**FASTENING OPTION: POLYURETHANE FOAM**



**JUNIPERO LAYOUT**

JUNIPERO TILE LAYOUT STARTS FROM BOTTOM TO TOP, RIGHT TO LEFT (IT CAN ALSO BE LEFT TO RIGHT), LAYING DOWN COMPLETE COURSES AS SHOWN IN THE DRAWING.  
 IT IS RECOMMENDED TO MARK VERTICAL LINES EVERY 9\"/>

**JUNIPERO TILE SPECIFICATIONS**

THIS TILE IS MADE OF CLAY, PIGMENTS AND AGGREGATES.

|                      |       |               |
|----------------------|-------|---------------|
| COLOR                | ----- | VARIABLE      |
| WIDTH                | ----- | 7 INCHES      |
| LENGTH               | ----- | 16.75 INCHES  |
| THICKNESS            | ----- | 0.5 INCH      |
| HEIGHT               | ----- | 3.1875 INCHES |
| WEIGHT PER TILE      | ----- | 6 LBS.        |
| WEIGHT PER SQUARE    | ----- | 1400 LBS.     |
| PIECES PER SQUARE    | ----- | 232           |
| RESISTANCE PER PIECE | ----- | 440 LBS.      |

JUNIPERO TILE MIGHT BE INSTALLED USING DIFFERENT FASTENING SYSTEMS ACCORDING TO THE TILE PROFILE AND WIND AREA.

MINIMUM RECOMMENDED SLOPE FOR BEST WATERPROOFING SYSTEM RESULTS: 2:12, WITH A MINIMUM OVERLAP OF 3 INCHES.

**THESE VALUES AND DRAWINGS SHOWN ARE INTENDED FOR REFERENCE AND MAY VARY FROM CASE TO CASE. REDLAND CLAY TILE EXPRESSLY DISCLAIMS ANY WARRANTIES EXPRESSED OR IMPLIED BY ANY INFORMATION HEREIN.**