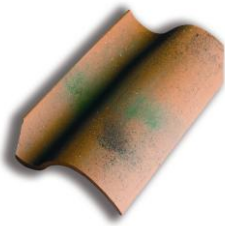
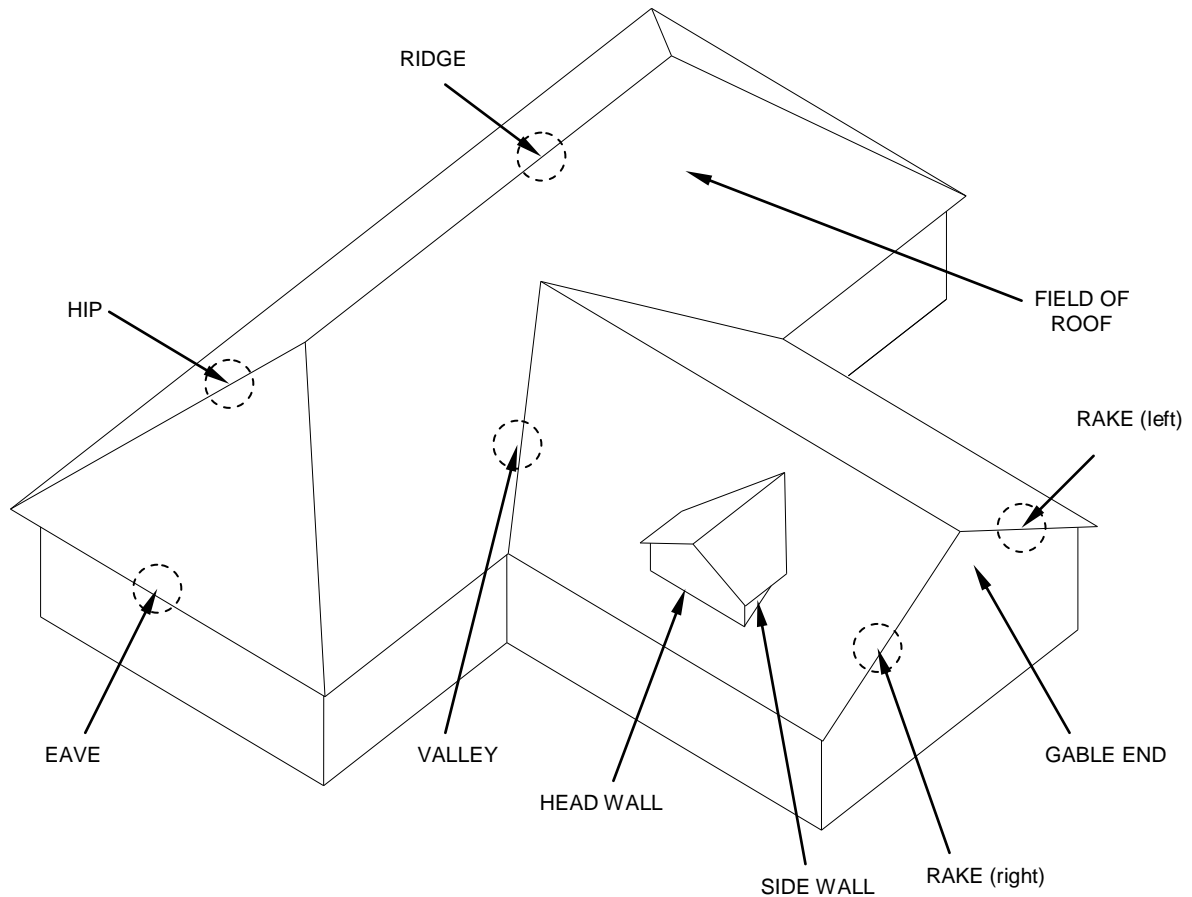




Verea Spanish S Roof Tile Installation Guide



IDENTIFICATION OF ROOF AREAS

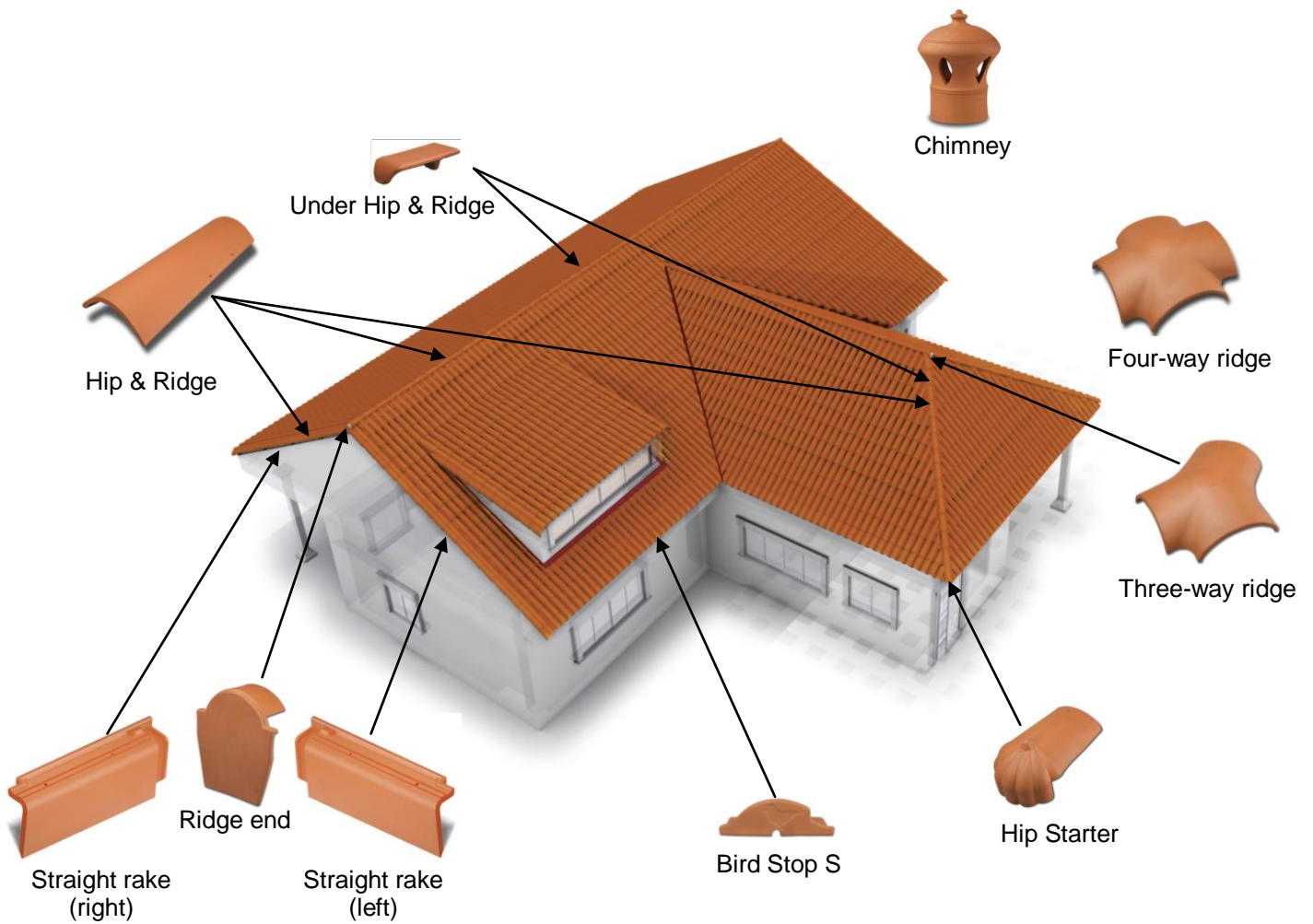


DISCLAIMER NOTICE

It is important to recognize that these recommendations are neither warranties, explicit or implicit, nor representative of the only method by which Verea Spanish S roof tiles can be installed. Rather, they try to summarize for the designer, installer or developer good roofing practices and the requirements of various building code agencies. These guidelines may not be applicable in all geographical areas. It is the responsibility of those individuals who are referring to these guidelines to independently research and determine which is best for their particular project.

Check with local authorities prior to installation

IDENTIFICATION OF ACCESSORIES



Gable end detail



Hip & Ridge detail

Please refer to:

- Notice of Acceptance issued by Miami-Dade County NOA #14-0107.01 (available in our page web).
- Concrete and Clay Roof Tile Installation Manual edited by FRSA & TRI (Florida Roofing, Sheet Metal and Air Conditioning Contractors Association, Inc & Tile Roofing Institute)
- Concrete and Clay Roof Tile Installation Manual edited by TRI & WSRCA (Tile Roofing Institute & Western States Roofing Contractors Association)

for complete installation specifications.

DECKING

Solid decking shall be of proper thickness to be structurally adequate and properly fastened to support the loads. Decking material and installation of it shall comply with all local Building Code Requirements.

UNDERLAYMENT

Never install underlayment on wet, frozen or icy surfaces.
Consult Local Building Codes for Compliance.

TILE APPLICATION

1. Tile Layout

1.1. Layout-Horizontal

Mark horizontal lines at $16\frac{3}{4}"$, which will provide a nominal 3" headlap.

Set first course at $19\frac{3}{4}"$ less desired overhang from the eave. Overhang shall be $\frac{3}{4}"$ to 2".

1.2. Layout-Vertical

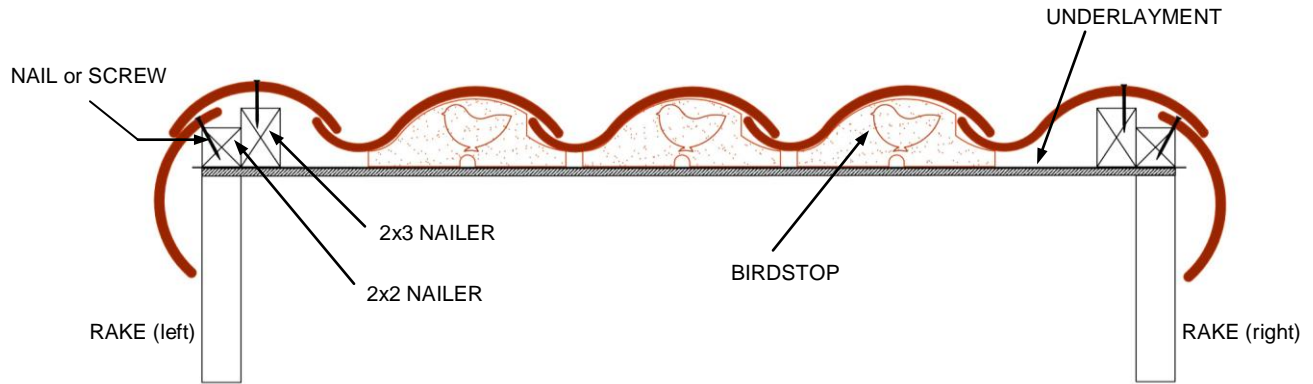
Chalk vertical guidelines at 9.44" (between $9\frac{1}{4}"$ and $9\frac{1}{2}"$ in an attempt to finish with a full tile at the gable ends).

Note: Due to the nature of clay, color and size variations may vary from technical data. Tile measurements should be checked at time of installation and adjust guidelines to assure a better tile installation.

2. Rake/Gable Detail

2.1. Option 1: Barrel rake tile

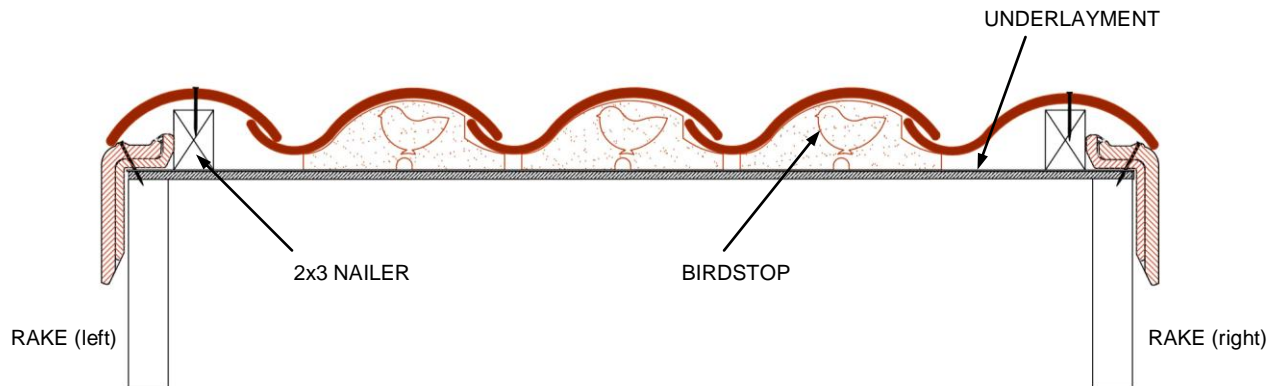
Secure each rake tile with two corrosion-resistant nails or screws of sufficient length to penetrate the framing a minimum of $\frac{3}{4}$ ".



NOTE: Rake tile application at finishing end sealant may be needed.

2.2. Option 2: Straight rake tile

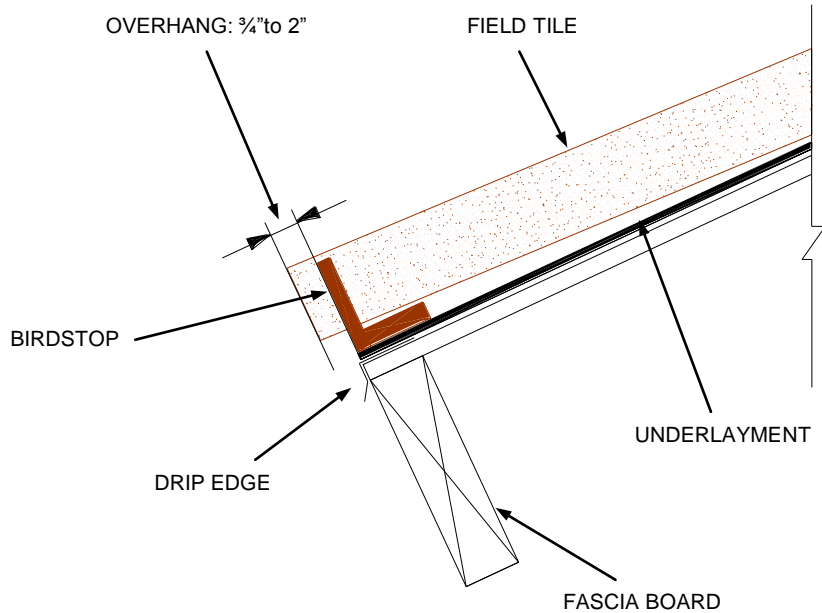
Secure each straight rake tile with two corrosion-resistant nails or screws of sufficient length to penetrate the framing a minimum of $\frac{3}{4}$ ".



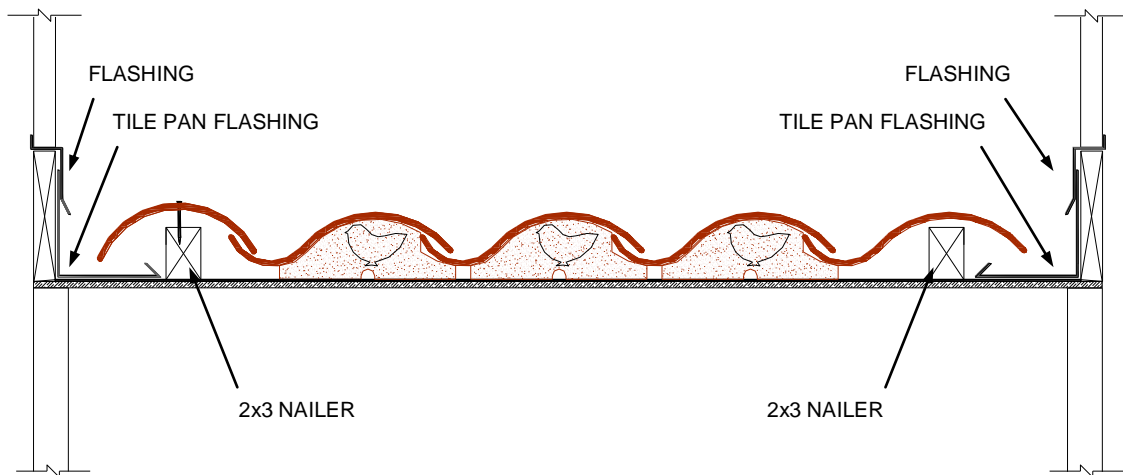
3. Eave Detail

Install clay birdstops or metal eave closure to elevate the first course of field tile at the eave edge.

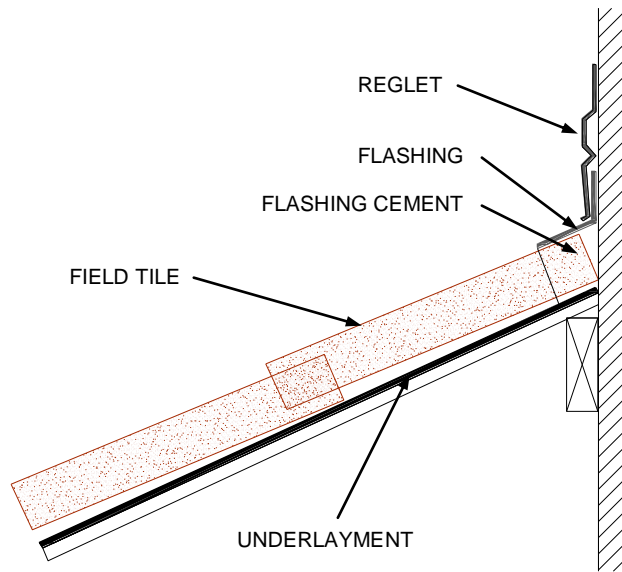
If Mortar Eave Closure is in place, apply mortar along the eave edge to elevate eave tile to be in plane with field tiles. Apply a minimum 3/8" weep hole at underlayment, one per tile.



4. Side Wall Detail



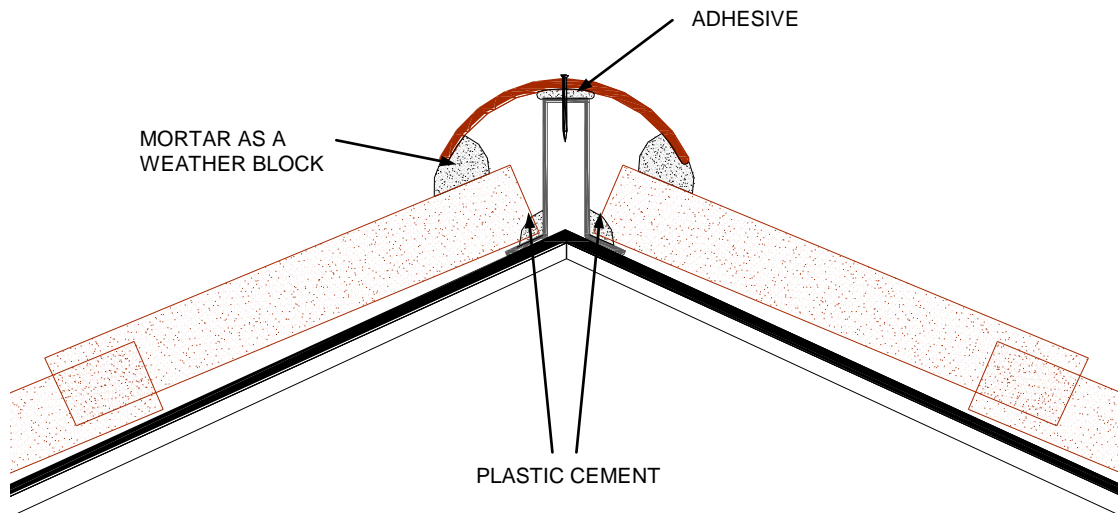
5. Head Wall Detail



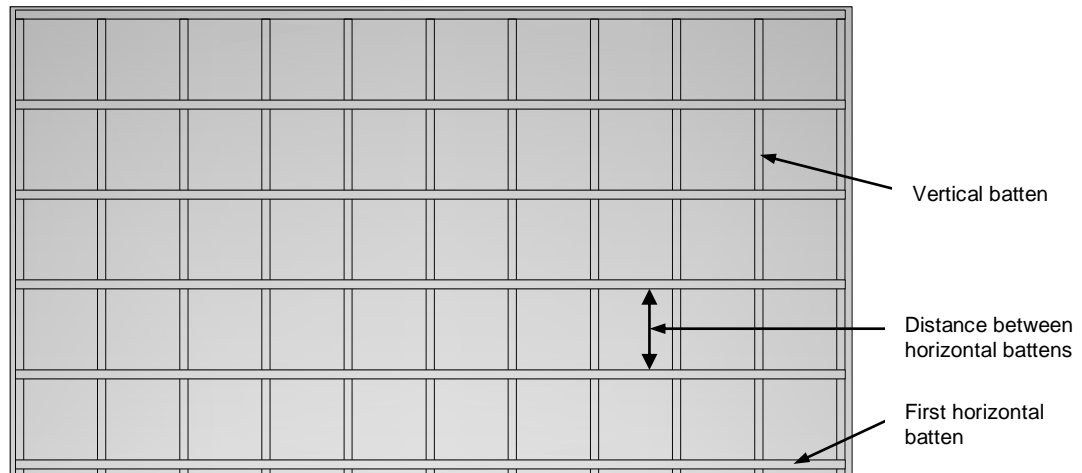
6. Hip and Ridge Detail

Pre-bagged or job mixed mortar may be used for weather blocking areas only.

For slopes greater than 7:12 attach hip tile with a nail or screw.



7. Installation over battens



Distance between horizontal battens: 16 $\frac{3}{4}$ ", which will provide a nominal 3" headlap.

First horizontal batten: 1" higher than the rest of the horizontal battens to elevate the eave end of the tiles to be on profile with the remaining roof tiles.