## 101 SERIES FASTENING METHOD

The slate is fastened using our specially designed self-tapping screws to ensure optimal installation while remaining completely invisible to minimize design impact.

Screws are made of stainless steel with a large flat head that enables an easier and more secure installation.

INVISIBLE FASTENING SYSTEMS

101 SERIES

*CUPACLAD® 101 series features invisible fasteners, **making the slate the main feature of the cladding.***

CUPACLAD
by CUPA·GROUP

CUPACLAD® 101 Logic

SIMPLE AND BALANCED
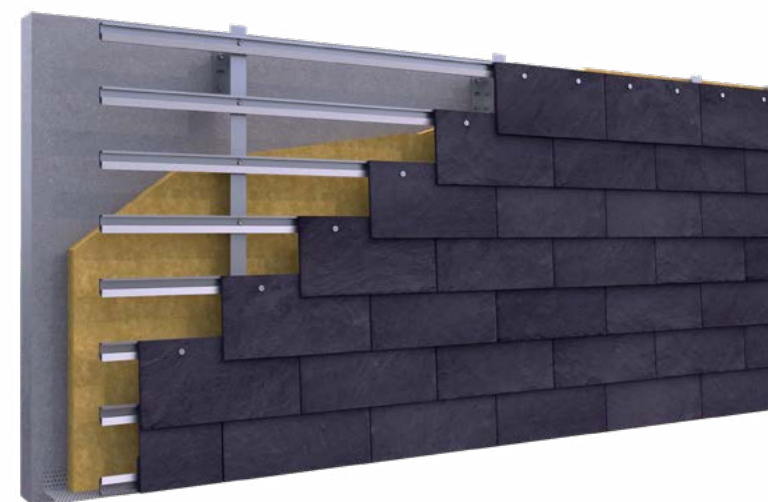
CUPACLAD® **101** *Logic* features a balanced design that highlights the unique texture and look of the natural slate.

CUPACLAD® **101** *Logic* system utilizes 16 x 8 slate fitted horizontally with invisible fasteners.

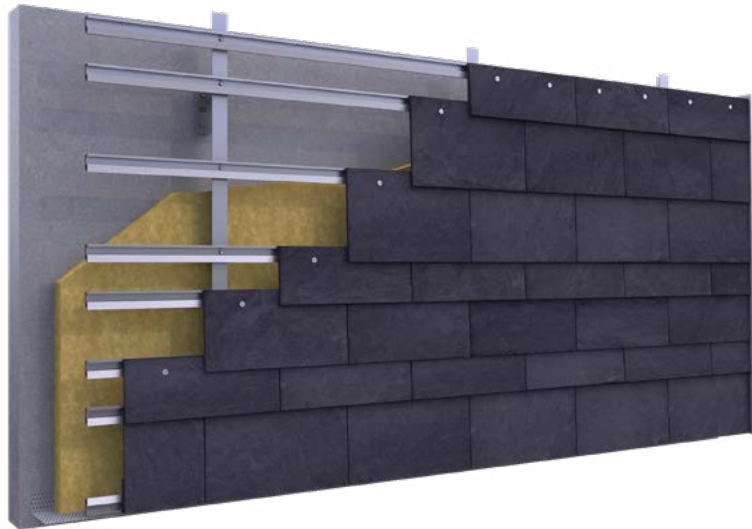|	
Slate size	16"x 8"
Nominal thickness	1/4"- 3/8"
Slates per ft²	1.67
Weight per ft² (slate)	≤ 6.14 lb/ft²

CUPACLAD® 101 *Random*

DYNAMIC AND CREATIVE

CUPACLAD® **101** *Random* combines different slate sizes, creating a dynamic and unique design.

CUPACLAD® **101** *Random* features 20 x 10, 20 x 8 and 20 x 6 slates fitted horizontally with invisible fasteners.

|	
Slate size	20"x 10" 20"x 8" 20"x 6"
Nominal thickness	1/4"- 3/8"
Slates per ft²	1.50
Weight per ft² (slate)	≤ 6.14 lb/ft²

CUPACLAD® 101 *Parallel*

UNIFORM AND REGULAR

CUPACLAD® **101** *Parallel* features a regular design with even joints. This results in a uniform and consistent layout that highlights the character of natural slate.

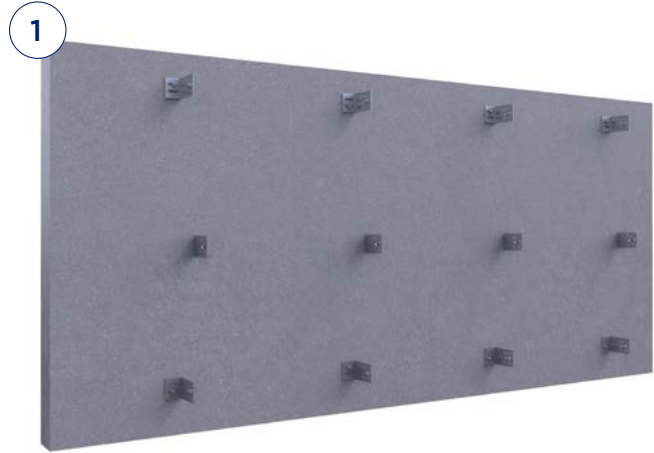CUPACLAD® **101** *Parallel* features 16 x 10 horizontally aligned slates fitted with invisible screws.
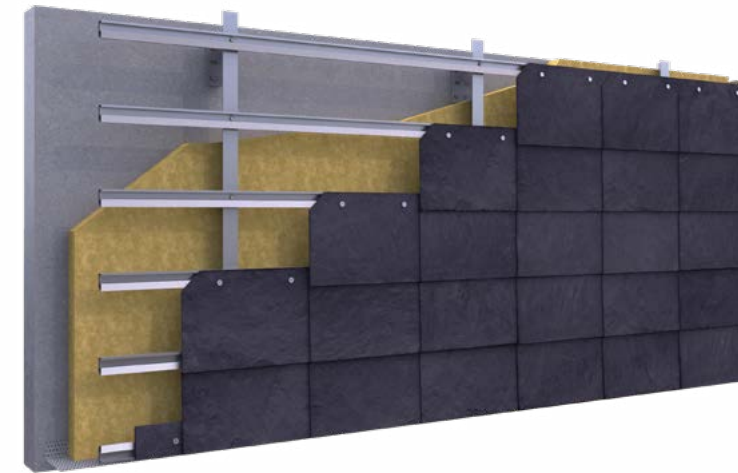
|	
Slate size	16"x 10"
Nominal thickness	1/4"- 3/8"
Slates per ft²	1.43
Weight per ft² (slate)	≤ 6.14 lb/ft²

# CUPACLAD®
101 SERIES

FASTENING METHOD

1

Fastening the metal brackets

The metal brackets are installed in alternate courses on each side of the vertical profile. It is required to use both fixed point metal brackets (on the upper end of each profile) and brackets with an sliding point to allow for expansion of the profile.
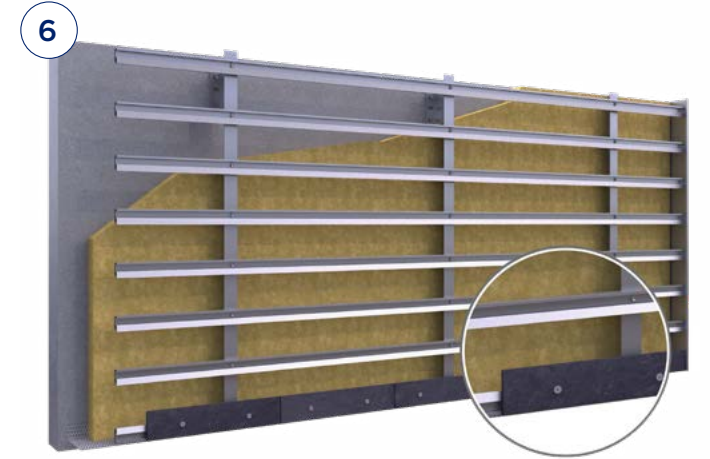
2
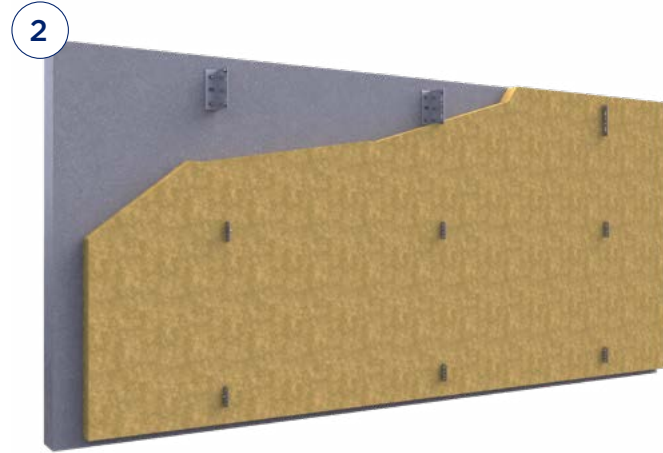
Installation of insulation

Choose the most suitable insulation material based on the project requirements.
Install in accordance with the manufacturers recommendations.
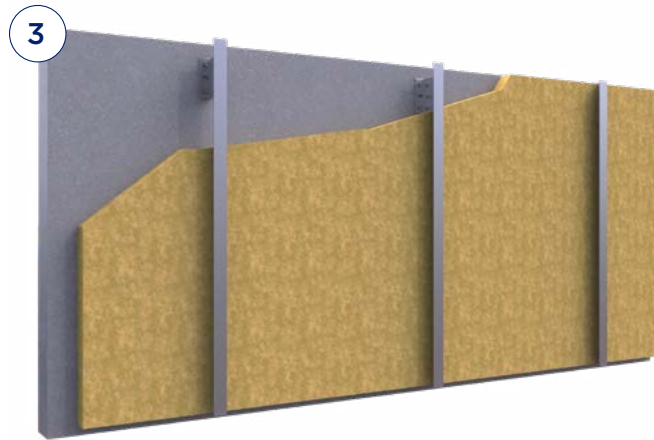
5
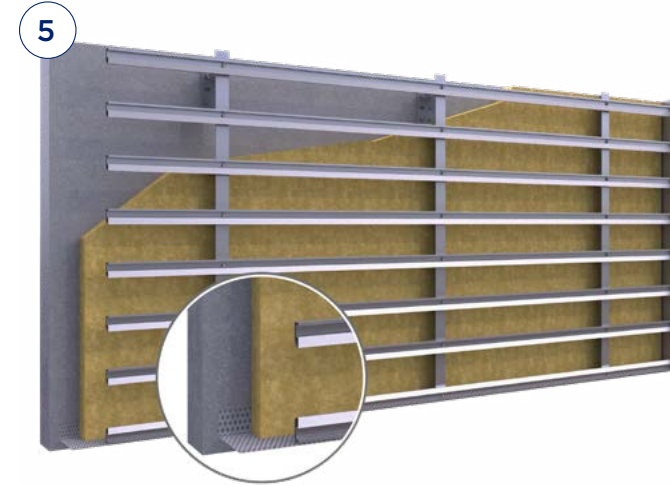
Installing the trim

Install a ventilation flashing at the first course of the cladding and the metal flashings at single points (edges, window frames, etc).

6

Installing the first course slate

Cut a slate to a height of 3 1/4" approx. Fasten it inverted matching the bottom edge of the slate with the first 101 horizontal batten.

3

Fasten the "L" shaped profiles

Fasten the vertical profiles to the metal brackets allowing at least 3/4 for an air cavity.
The vertical profiles must be perfectly level before fitting the remainder of the system components.

4
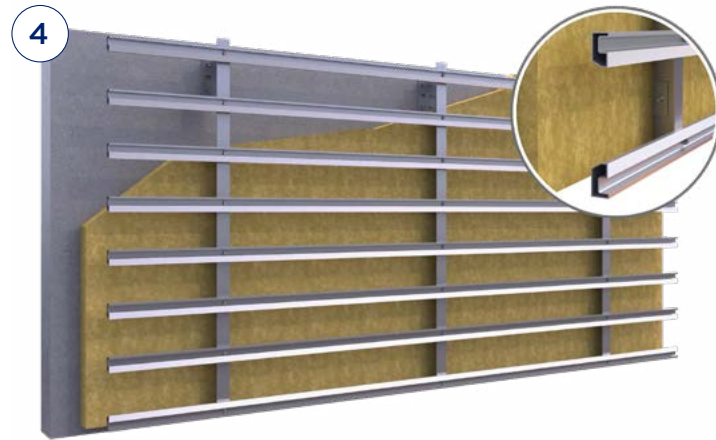
Installing the CUPACLAD® 101 horizontal profiles

Install the horizontal battens with the vertical ones at each intersection.
The horizontal battens must be perfectly level as their position will dictate the final position of the slate. The bottom batten for the first course of slate must be inverted for proper installation.
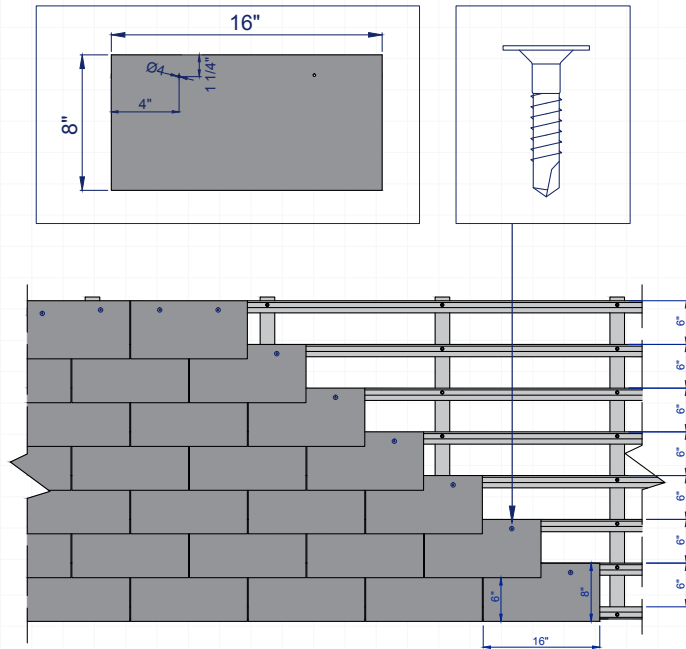
7
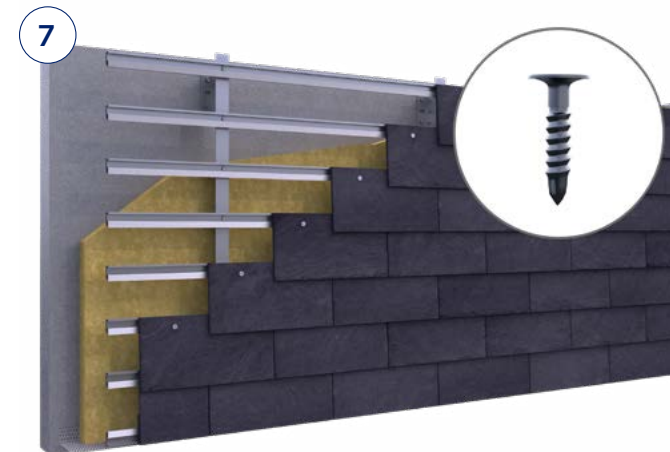
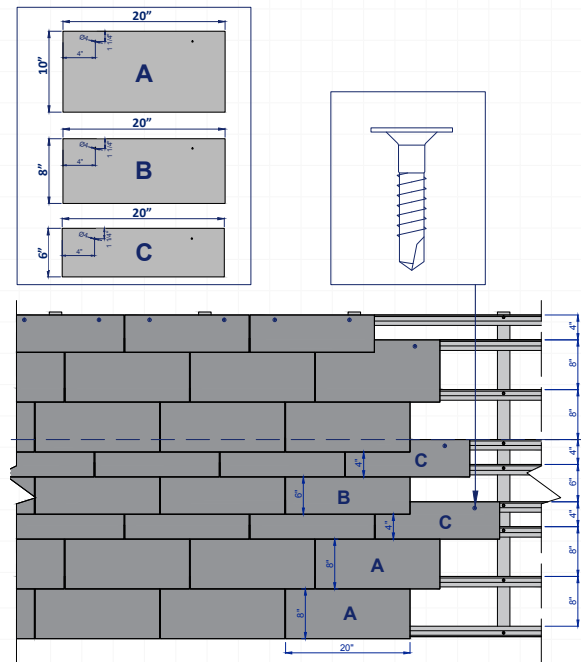### Fastening the slates with the self-drilling CUPACLAD® 101 screw

Each slate must be aligned with the upper edge of the batten and fitted with two stainless steel. CUPACLAD® 101 self-drilling screws.
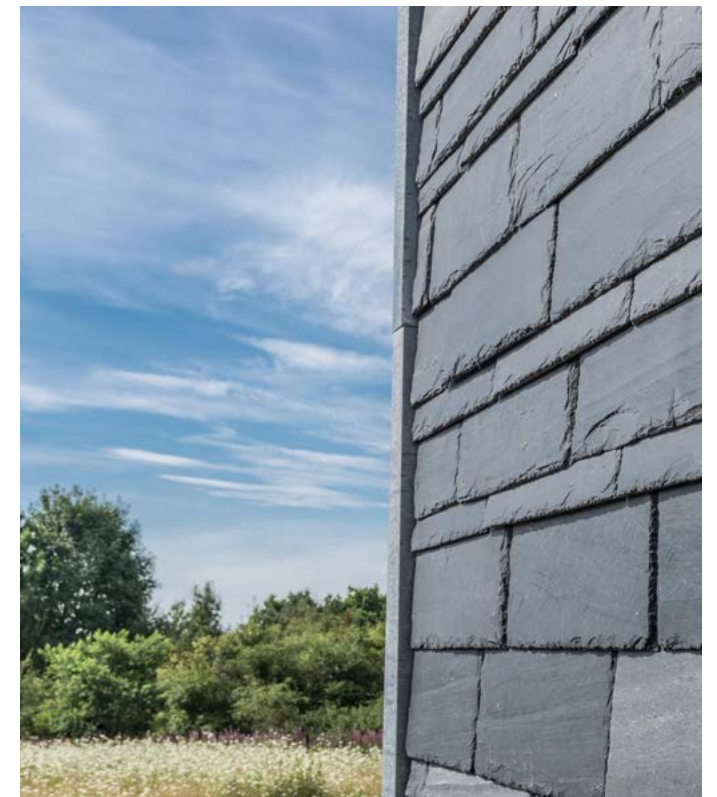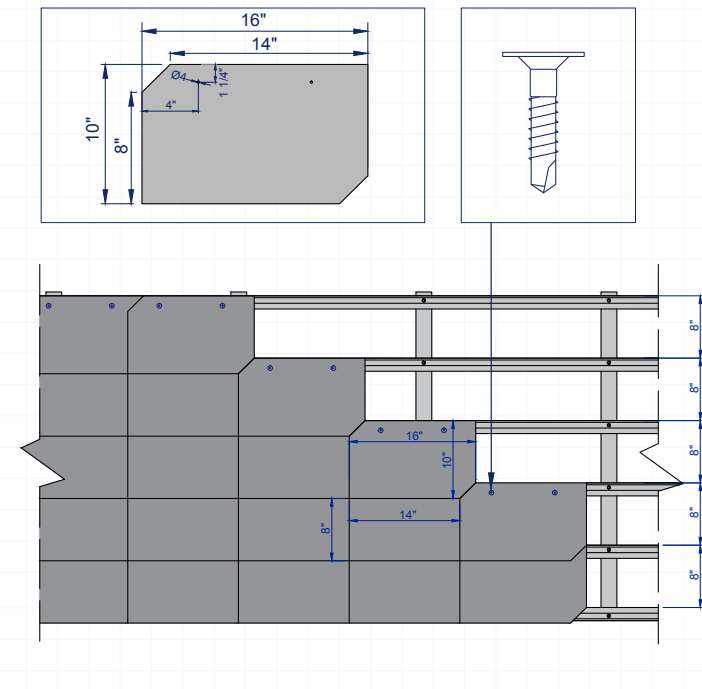
TECHNICAL DETAIL CUPACLAD® 101 *Logic*

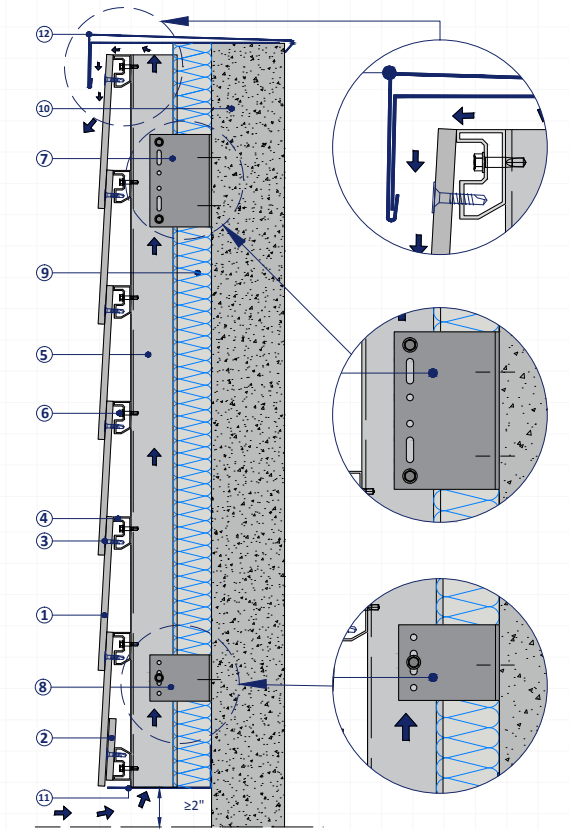## TECHNICAL DETAIL CUPACLAD® 101 *Random*
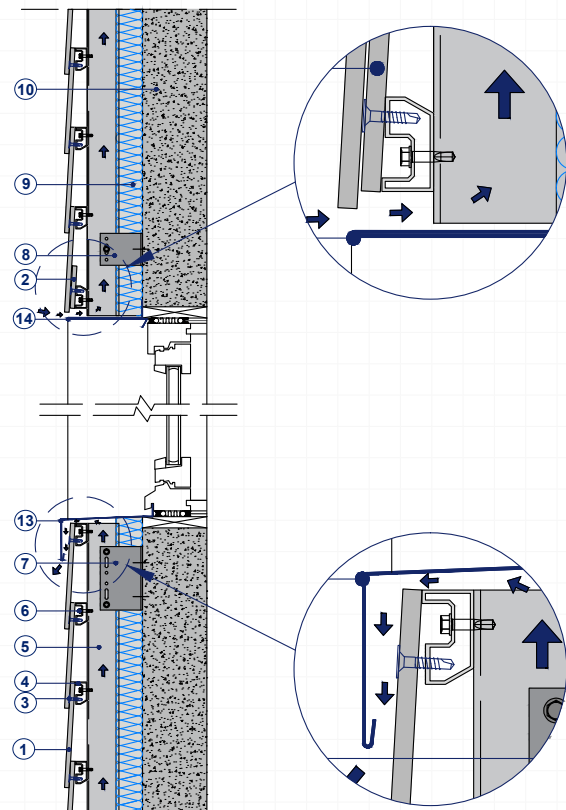

TECHNICAL DETAIL CUPACLAD® 101 *Parallel*

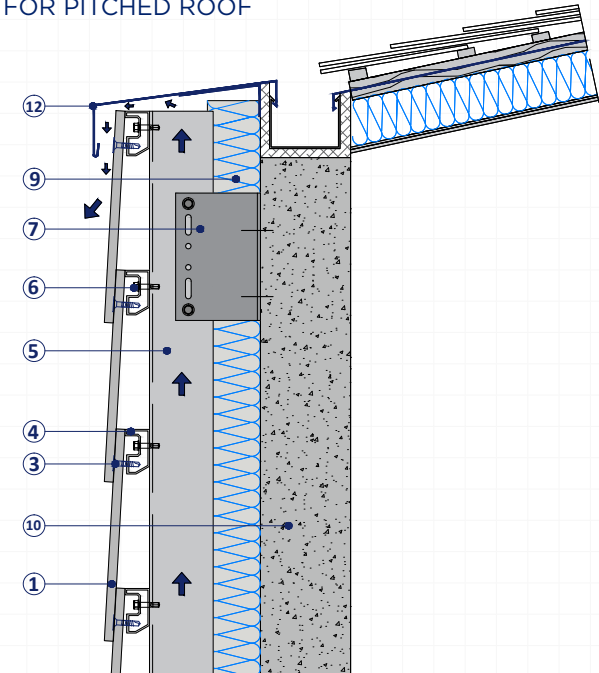## CONSTRUCTION DETAILS CUPACLAD® 101 (*Logic, Random* Y *Parallel*)
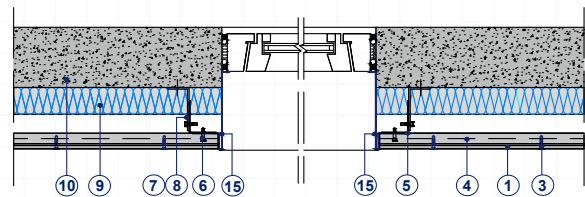
VENTILATED PROFILE AND TOP FLASHING

EXTERNAL WINDOW REVEAL

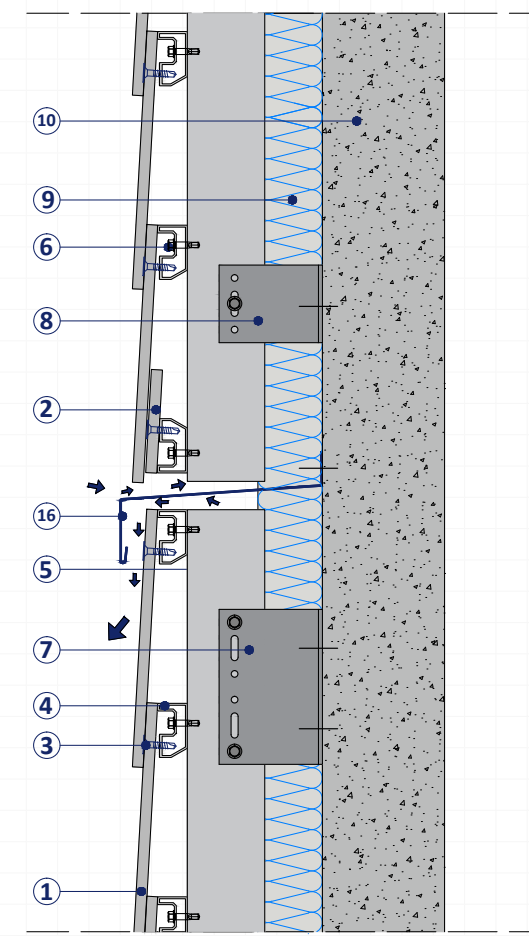## TOP FLASHING FOR PITCHED ROOF

AIR CAVITY

CORNER FLASHINGS
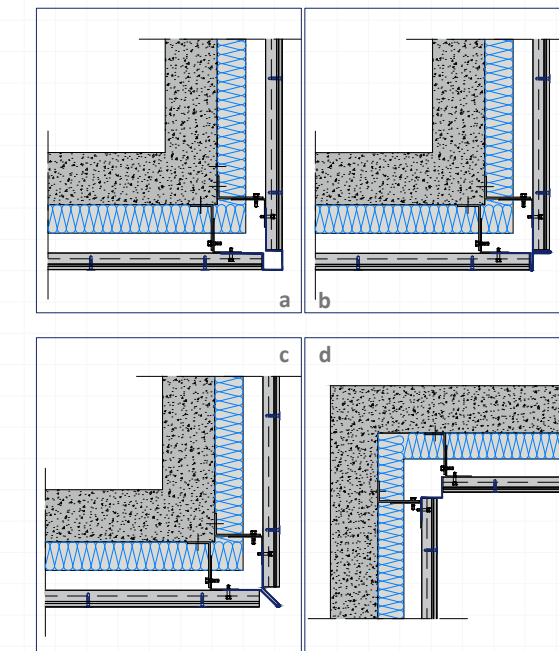
1. CUPA PIZARRAS natural slate
2. First course slate
3. Self-drilling CUPACLAD® 101 screw
4. Horizontal CUPACLAD® 101 batten
5. "L" shaped vertical profile 20 x 24
6. Self-drilling stainless steel screw
7. "Fixed point" metal bracket
8. "Sliding point" metal bracket
9. Insulation
10. Load bearing wall
11. Ventilated flashing
12. Top metal flashing
13. Sill metal trim
14. Metal lintel trim
15. Metal jambs trim
16. Metal trim

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CUPACLAD®
101 SERIES
Logic, Random and Parallel