

# CERACLAD Soffit Guidance

Version #2, December 2022

# CERACLAD Soffit Guidance

## 1. Design and Installation Standards

### (1) Scope

Item	Scope
Structure	Wood, Steel
Applicable portion	Eave <ul style="list-style-type: none"> <li>▪ The construction surface must be flat.</li> <li>▪ Both sloped and horizontal eaves are acceptable</li> </ul>
Target Products	All CERACLAD products
Design Pressure	Equivalent to CERACLAD for exterior wall – see ESR 1627
Application method	Vertical or Horizontal
Fixing method	①Panel clip + Face screw ②Long clip + Face screw

### (2) Substrate standards


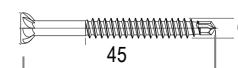

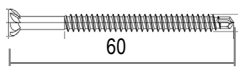
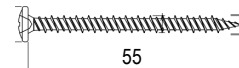

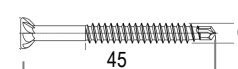

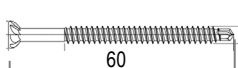
		Wood	Steel
Stud	Way to construct	Perpendicular to the direction of panel installation	
	Interval	16”(400mm) or less	
	Dimension	2” × 4”, 2” × 6”	3-5/8” × 1-5/8” 18GA ~ 16GA
	reinforcement	Appropriate implementation under the responsibility of the project engineer. (The substrate must be constructed to support the weight of the panels.)	
Sheathing		None	None
		Plywood/OSB (1/2”)	Glass Mat Gypsum (t 5/8”)
		Plywood/OSB (1/2”) + Glass Mat Gypsum (5/8”)	Glass Mat Gypsum (t 5/8”) × 2
Substrate Flatness		2mm or less	
Ensure ventilation of walls		Appropriate implementation under the responsibility of the project engineer.	

# CERACLAD Soffit Guidance

## 1. Design and Installation Standards

### (3) Panel installation standards

- Panel length must be at least 16".
- Panel clips should be fastened to each stud.
- Panel clips should be secured with one clip screw per clip for wood stud framing, and two clip screws per clip for steel stud framing.
- At the center of the panel, fasten one face screw to each stud.
- At the start and end of the panel, fasten one face screw to stud at 16" on center.
- Before driving face screw, Install spacer blocks behind the panel and predrill pilot holes ( $\phi 4.8$ ) through the panel.
- When driving face screw, keep a minimum distance from the edge of the panel.  
(1-1/4" from the panel edge except for shiplap, 2-1/4" from the shiplap upper lip)
- The screws to be used depend on whether sheathing is used or not. Please check the table below.

Structure	Sheathing	Screw (Product No)	
		For panel clip	For face fastener
Wood	None	 (B881135)	 (B885245)
	Plywood/OSB (1/2")	 (B881135)	 (B885260)
	Plywood/OSB (1/2") +Glass Mat Gypsum (5/8")	 (B88553)	Purchase locally
Steel	None	 (B885116)	 (B885245)
	Glass Mat Gypsum (5/8")	 (B885130)	 (B885260)
	Glass Mat Gypsum (5/8") × 2	Purchase locally	Purchase locally

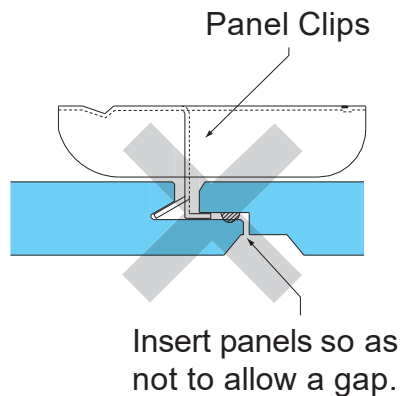
- The joints with the exterior walls should be installed in one of the following ways.
  - ① With soffit flashing
  - ② Without soffit flashing (Solid core panel : Butt joint, Hollow core panel : Apply caulking)
 See page 9 for details
- Ventilation should be properly implemented under the responsibility of the project engineer.

# CERACLAD Soffit Guidance

## 1. Design and Installation Standards

### (4) Installation Precautions



- Install panels so as not to allow gaps between them.
- If a gap occurs, use the following methods.
  - ① Reduce the panel size (5' or less)
  - ② Remove the gasket before installation



### (5) Repair

- Screw heads can be treated with one of the following methods
  - ① Apply touch up paint after apply repair putty.
  - ② Apply touch up paint only
- An acrylic waterproof sealer (purchase locally) should be applied to the cut surfaces of the panels.

### Repair Application

	Repair Putty	Repair Paint
Product No	B4901	Different for each Product
Product		

# CERACLAD Soffit Guidance

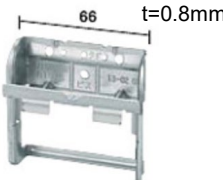

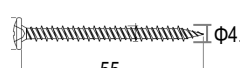
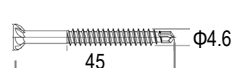

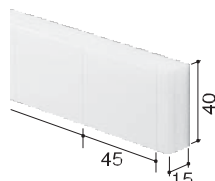
## 2. Products & Components

### (1) Product Specifications

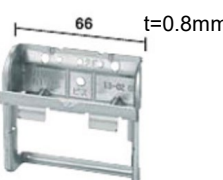

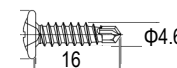
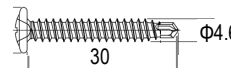
Product	Core	Length	Width	Thickness	Weight
CERACLAD N	Hallow	10' (3030mm)	18" (455mm)	5/8" (16mm)	19-22kg
	Hallow	10' (3030mm)	18" (455mm)	5/7" (18mm)	22-25kg
CERACLAD F	Solid	10' (3030mm)	18" (455mm)	5/8" (16mm)	24-27kg

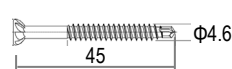
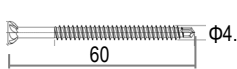
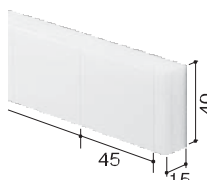
### (2) Installation Components

#### ① For wood structure

	Panel Clip	Clip screw35	Clip screw55	Face Screw45
Product No	B10115	B881135	B88553	B885245
Product				
	Face Screw60	Spacer15		
Product No	B885260	RY82S15		
Product				

#### ② For steel structure

	Panel Clip	Long Clip	Clip screw16	Clip screw 30
Product No	B10115	B10155	B885116	B885130
Product				

	Face Screw45	Face Screw60	Spacer15	
Product No	B885245	B885260	RY82S15	
Product				

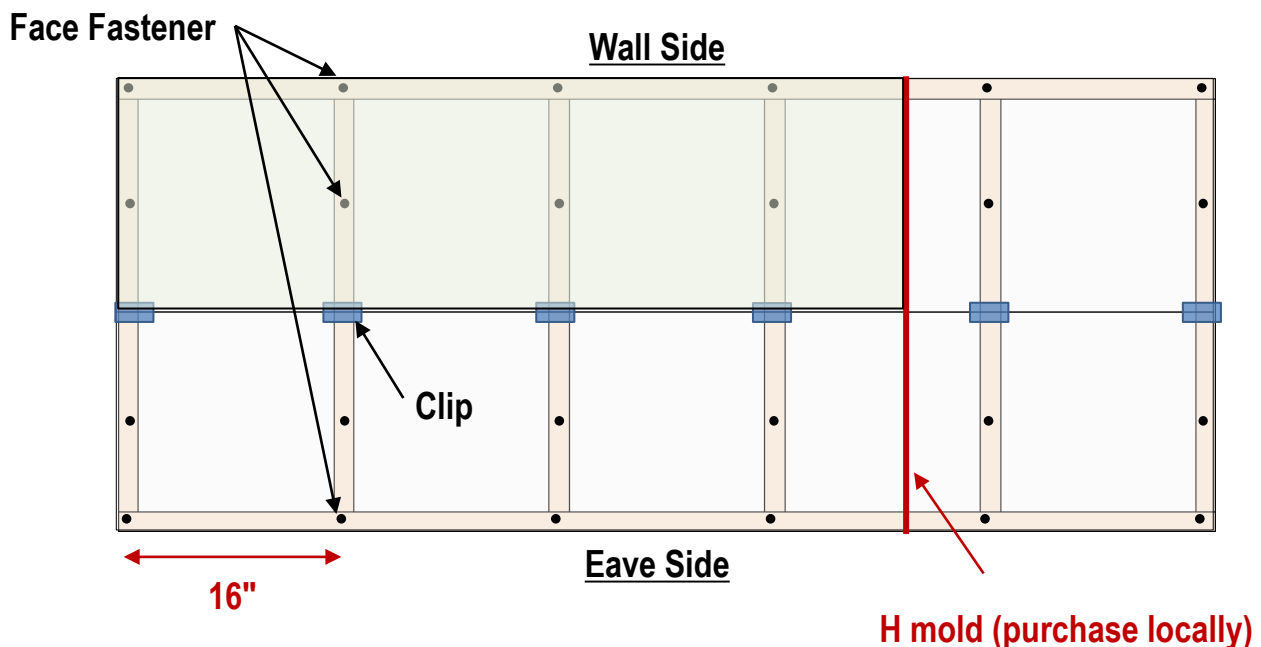
# CERACLAD Soffit Guidance

## 3. General Installation Instruction

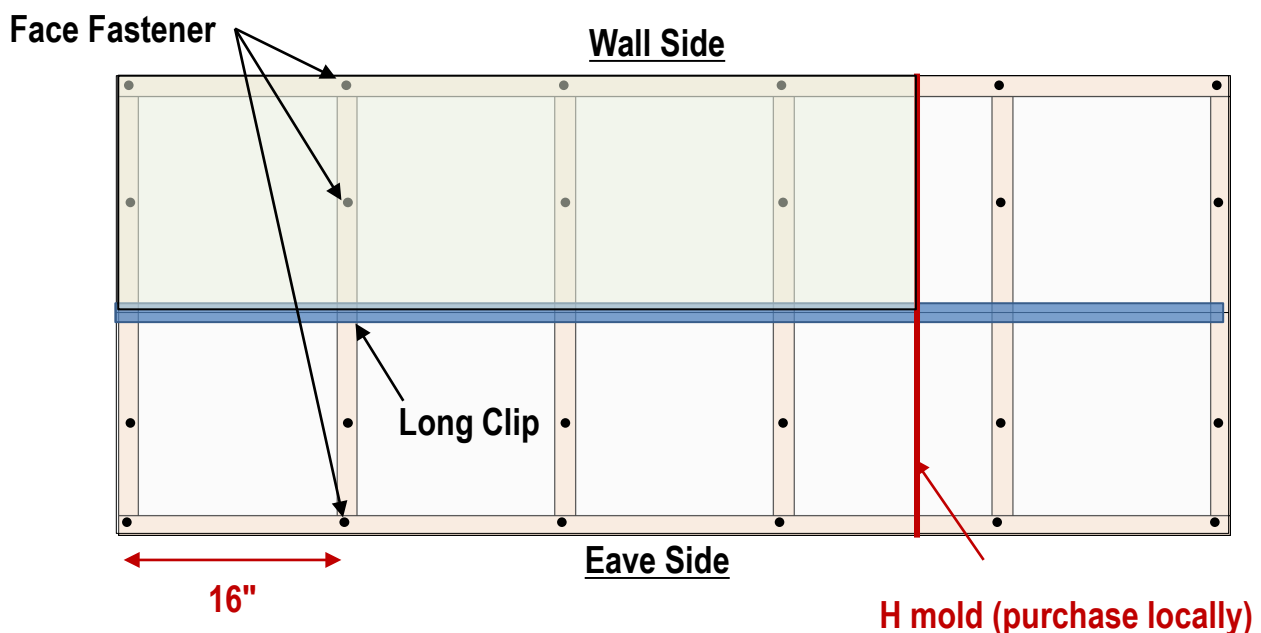
### (1) Horizontal application (parallel to wall)

- The framing must be perpendicular to the direction of panel installation.
- At the start and end of the panel, fasten one face screw to stud at 16" on center.
- Panel clips should be secured with one clip screw per clip for wood stud framing, and two clip screws per clip for steel stud framing.
- At the center of the panel, fasten one face screw to each stud.
- Before driving face screw, Install spacer blocks behind the panel and predrill pilot holes ( $\phi 4.8$ ) through the panel.
- Install H-mold (purchase locally) at vertical joints.

#### ① Panel clip + Face screw



#### ② Long clip + Face screw



# CERACLAD Soffit Guidance

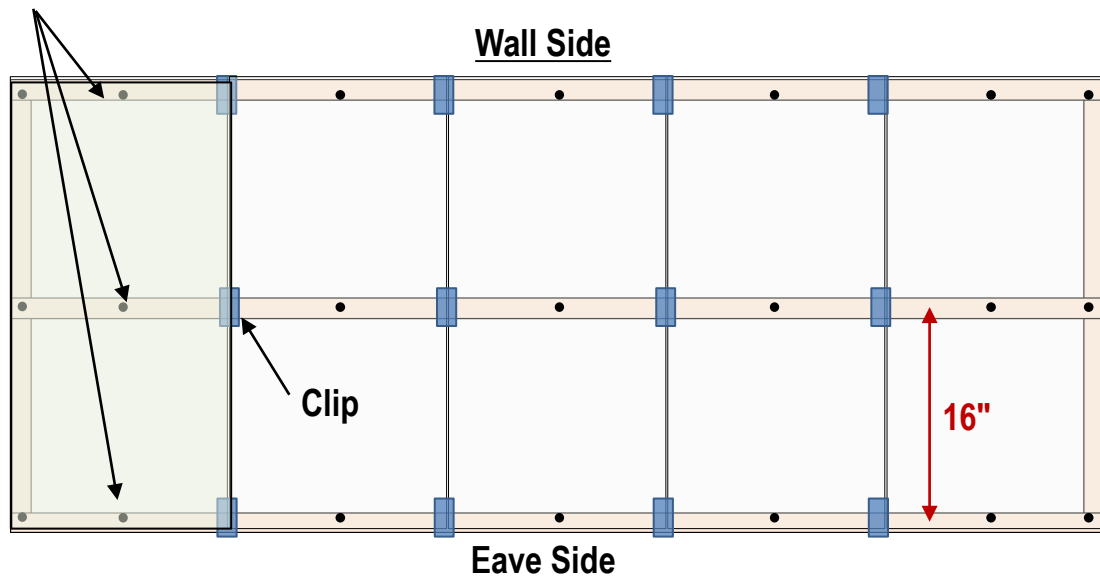
## 3. General Installation Instruction

### (2) Vertical Application (perpendicular to wall)

- The framing must be perpendicular to the direction of panel installation.
- At the start and end of the panel, fasten one face screw to stud at 16" on center.
- Panel clips should be secured with one clip screw per clip for wood stud framing, and two clip screws per clip for steel stud framing.
- At the center of the panel, fasten one face screw to each stud.
- Before driving face screw, Install spacer blocks behind the panel and predrill pilot holes ( $\phi 4.8$ ) through the panel.

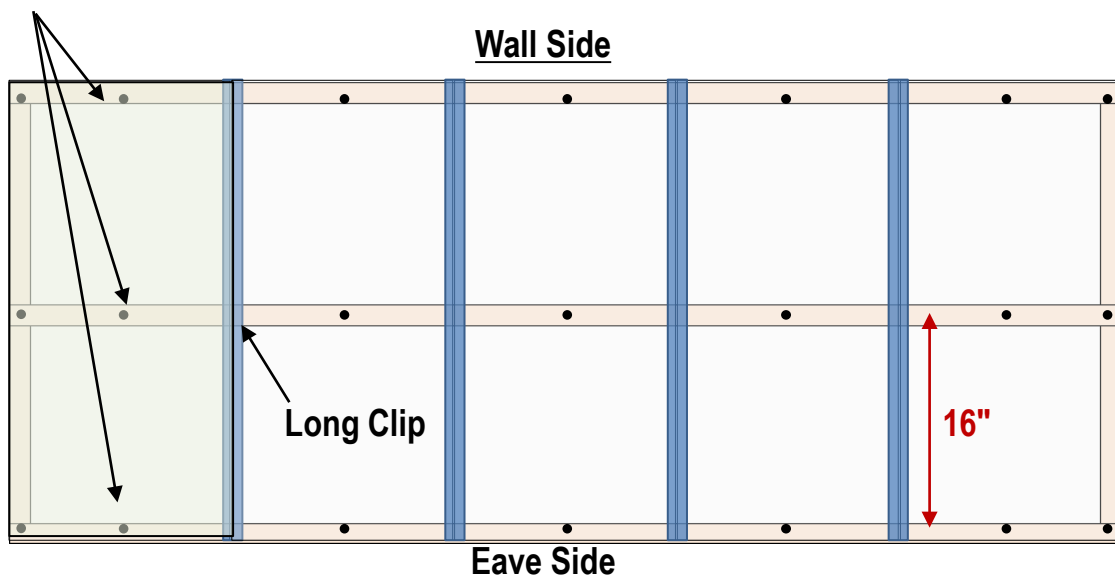
#### ① Panel clip + Face screw

Face Fastener



#### ② Long clip + Face screw

Face Fastener



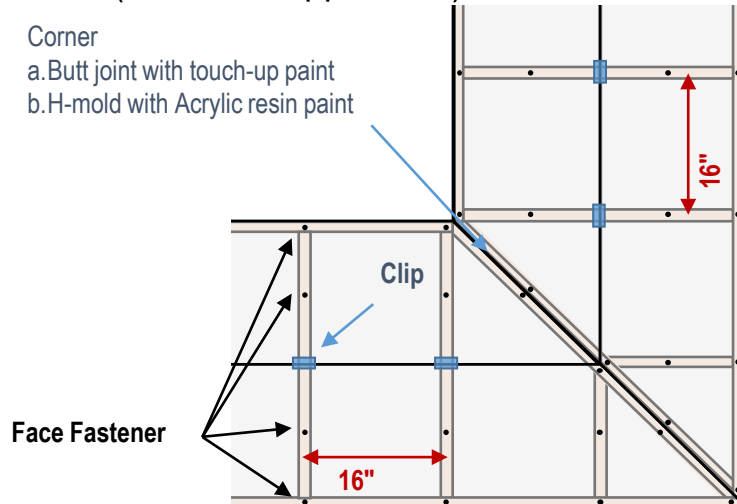
# CERACLAD Soffit Guidance

## 3. General Installation Instruction

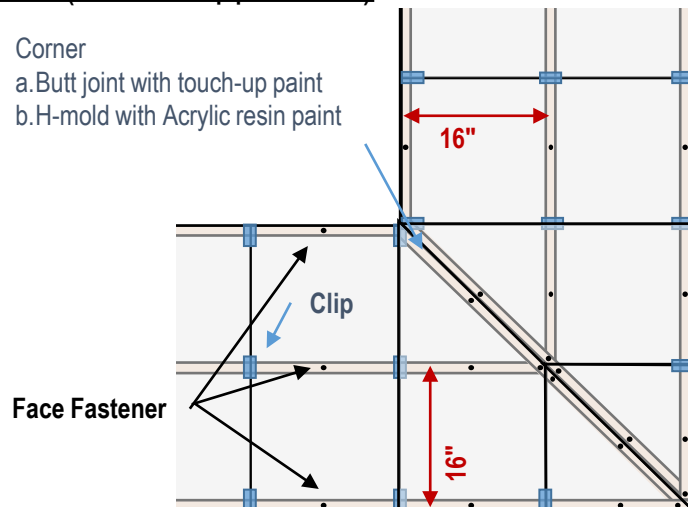
### (3) Installation of corner section

- Be sure to install with a substrate.

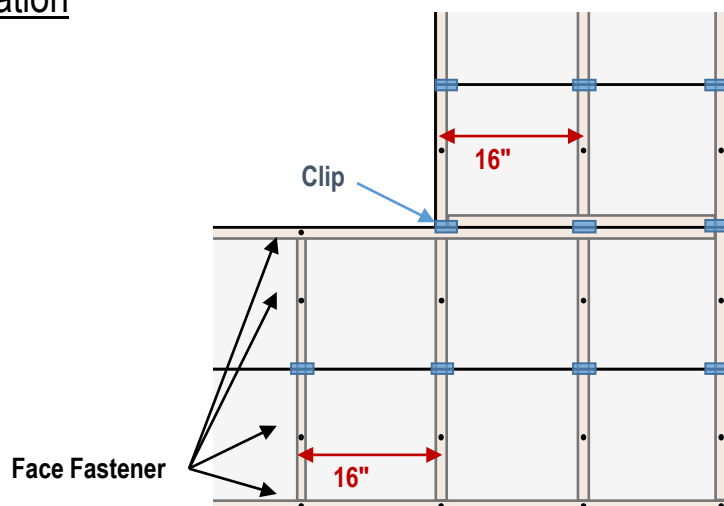
#### Diagonal installation (horizontal application)



#### Diagonal installation (vertical application)



#### Parallel installation



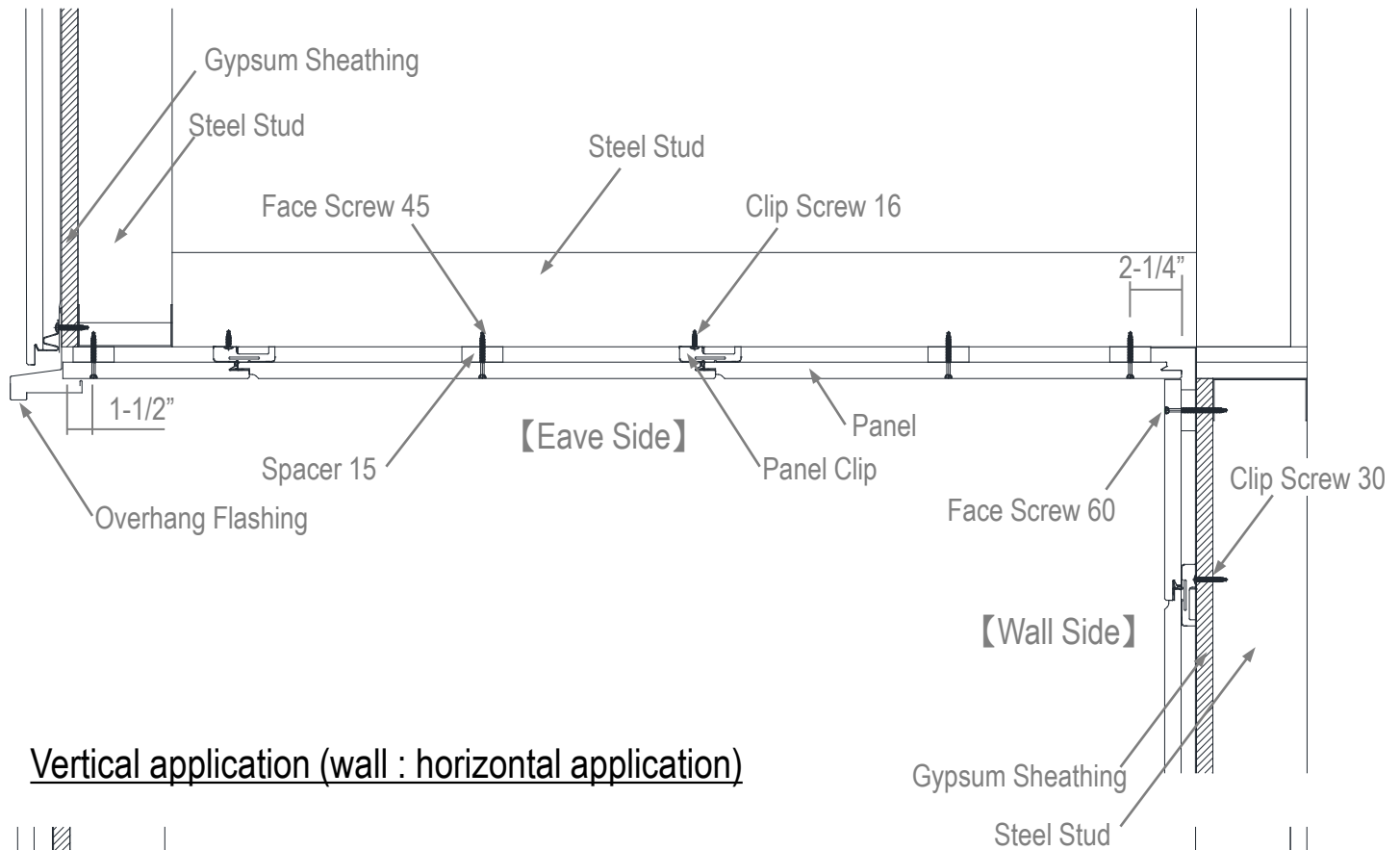


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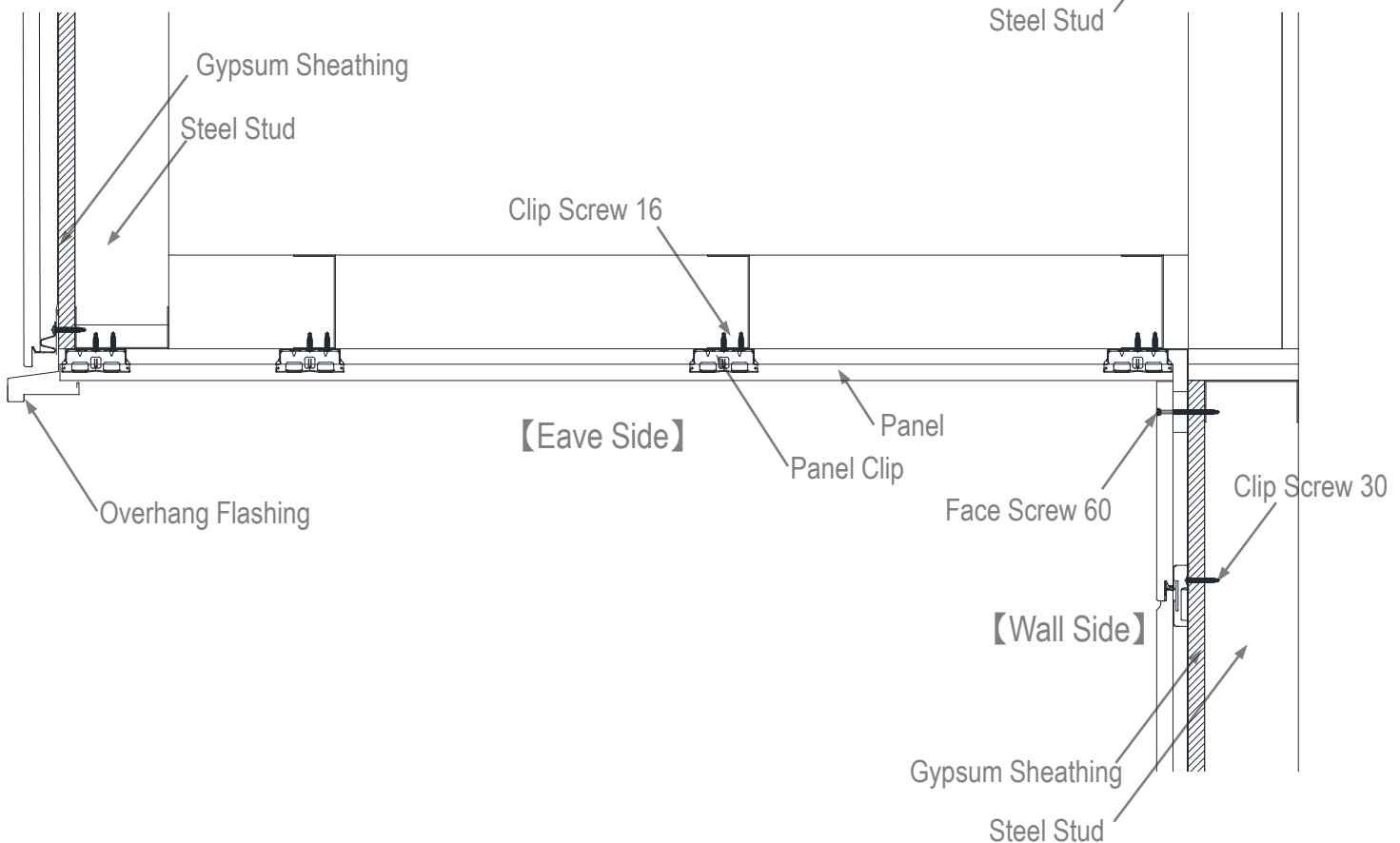
## 3. General Installation Instruction

### (4) Detail drawing

#### Horizontal application (wall : horizontal application)



#### Vertical application (wall : horizontal application)



# CERACLAD Soffit Guidance

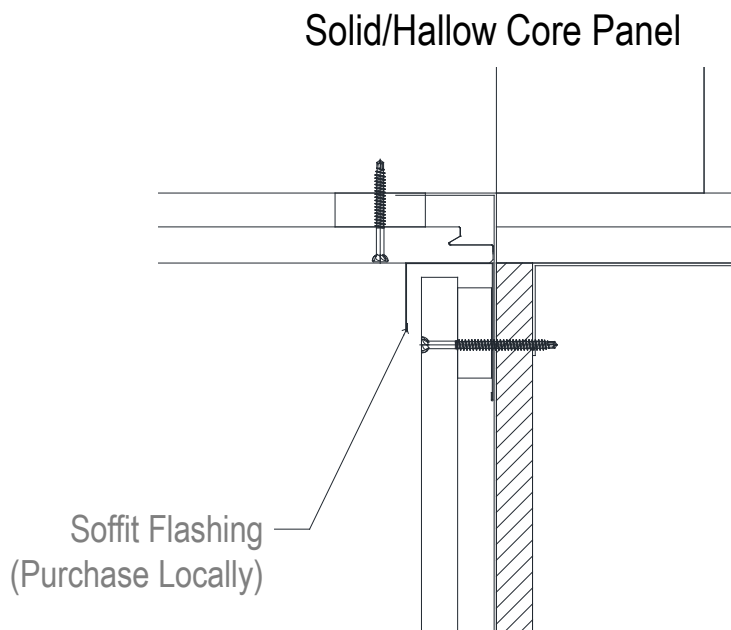
## 3. General Installation Instruction

### (4) Detail drawing

The joints with the exterior walls

- Ventilation should be properly implemented under the responsibility of the project engineer.

#### ① With soffit flashing



#### ② Without soffit flashing

