

CERACLAD®
Fiber-Cement
Siding

Triple Coated
Caulk-Free
Rainscreen System

20-Year Fade Limited Warranty • 365 Days Self Cleaning • Low Maintenance

CERACLAD Soffit Guidance

CERACLAD Soffit Guidance

1. Design and Installation Standards

(1) Scope

Item	Scope
Structure	Wood, Steel
Applicable portion	Eave • The construction surface must be flat. • Both sloped and horizontal eaves are acceptable
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

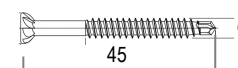
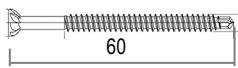
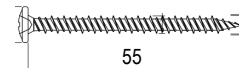
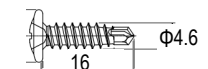
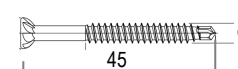
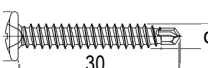
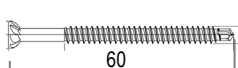
		Wood	Steel
Stud	Way to construct	Perpendicular to the direction of panel installation	
	Interval	16”(400mm) or less	
	Dimension	2” × 4”, 2” × 6”	3-5/8” × 1-5/8” 18GA ~ 16GA
	reinforcement	Appropriate implementation under the responsibility of the project engineer. (The substrate must be constructed to 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.	

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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 with diameter of 4.8mm 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

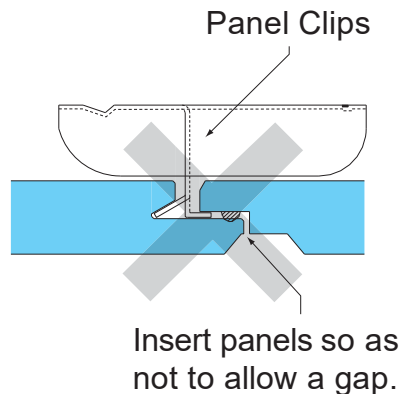
- The joints with the exterior walls should be installed in one of the following ways.
 - ①With soffit flashing
 - ②Without soffit flashing (Solid core panel : Butt joint, Apply caulking)
 See page 9 for details
- Ventilation should be properly implemented under the responsibility of the project engineer.

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



※It is recommend applying waterproof sealer to the cut edge of the panels

	Waterproof sealer
Product No	LTKMB3103
Product	

(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

Repair Application

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

CERACLAD Soffit Guidance

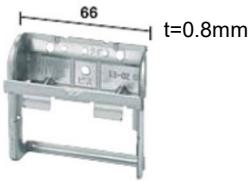
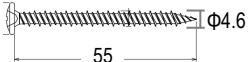
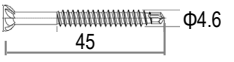
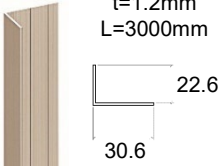
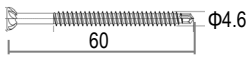
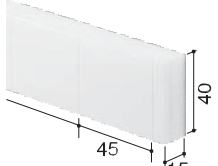
2. Products & Components

(1) Product Specifications

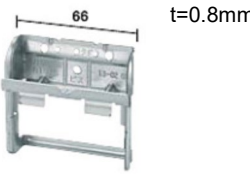
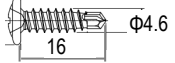
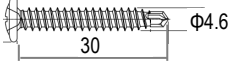
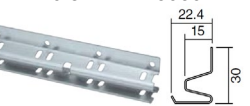
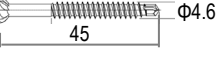
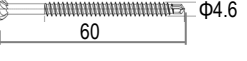
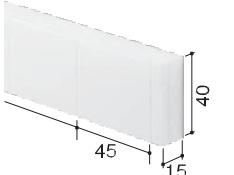
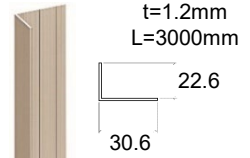
Product	Core	Length	Width	Thickness	Weight
CERACLAD	Solid	9'-11 5/16" (3030mm)	1'-5 15/16" (455mm)	5/8" (16mm)	24-27kg

(2) Installation Components

① For wood structure

	Panel Clip	Clip screw35	Clip screw55	Face Screw45
Product No	B10115	B881135	B88553	B885245
Product				
	Starter bar	L-joiner	Face Screw60	Spacer15
Product No	B101152	B3616KF4	B885260	RY82S15
Product				

② For steel structure

	Panel Clip	Long Clip (For High Wind Load)	Clip screw16	Clip screw 30
Product No	B10115	B10155	B885116	B885130
Product				
	Stater bar	Face Screw45	Face Screw60	Spacer15
Product No	B101152	B885245	B885260	RY82S15
Product				
	L-joiner			
Product No	B3616KF4			
Product				

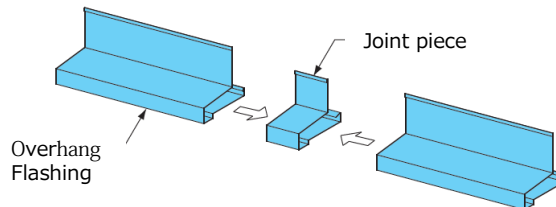
CERACLAD Soffit Guidance

2. Products & Components

(3) Over Hang Flashing Installation with Ceraclad Components Optional

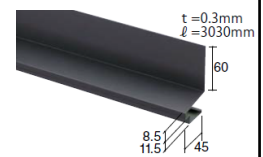
① Joint piece

Insert the flashing into the joint piece, align the edges of the flashings, and position the joint so that it is centered within the joint piece.



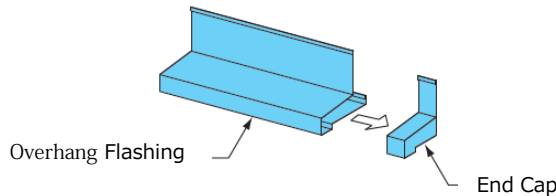
Overhang flashing

SKU# B243W1



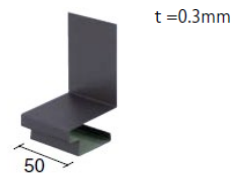
② End Cap

Attach a joint piece to the end of the flashing.



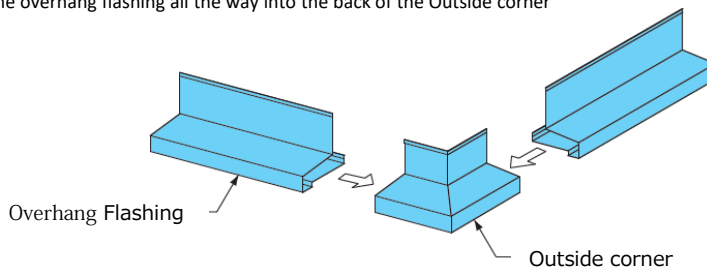
Joint Piece

SKU# B243W1J



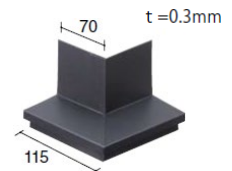
③ Outside corner

Insert the overhang flashing all the way into the back of the Outside corner



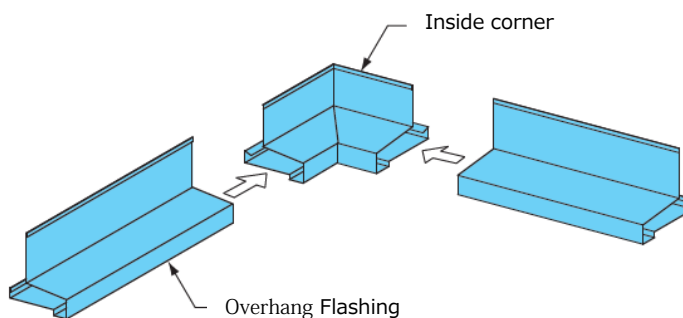
Outside Corner

SKU# B243W1D



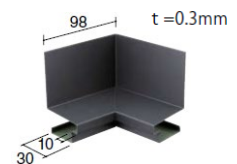
④ Inside corner

Insert the overhang flashing all the way into the back of the Inside corner



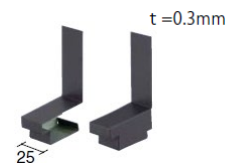
Inside Corner

SKU# B243W1C



End Cap

SKU# B243W1E



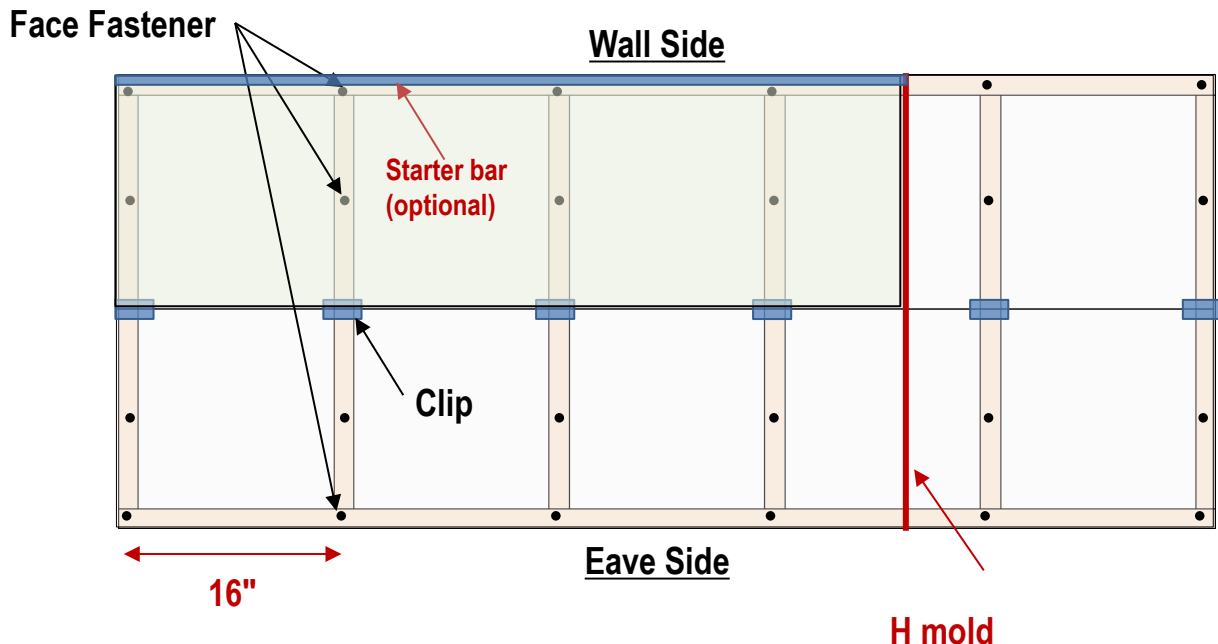
CERACLAD Soffit Guidance

3. General Installation Instruction

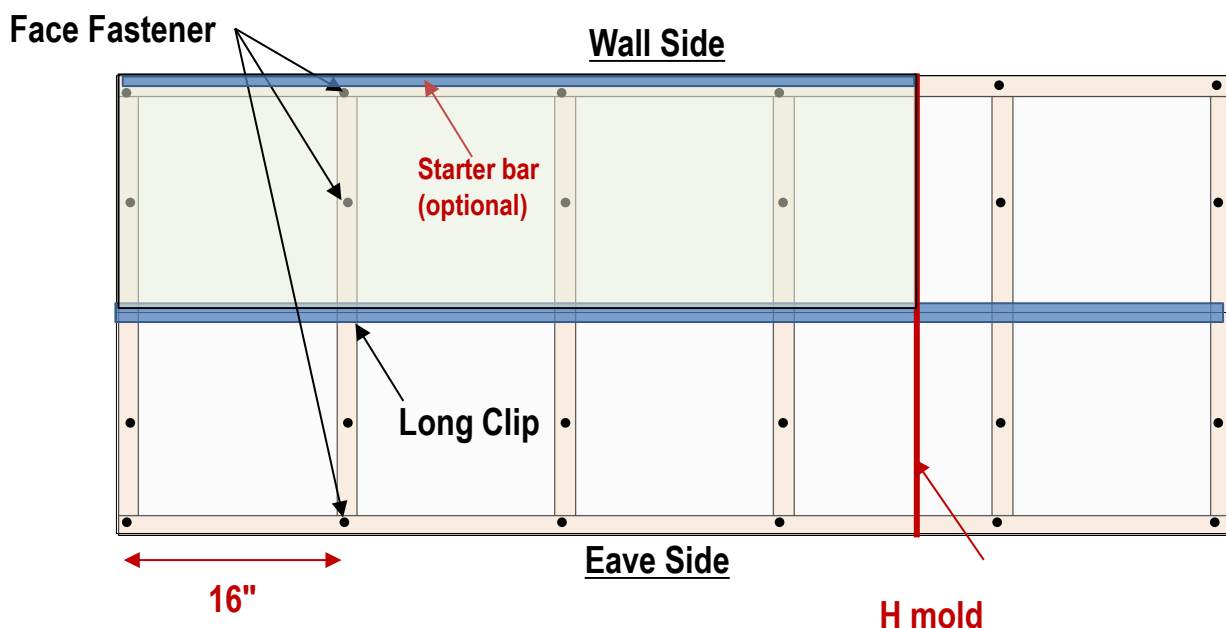
(1) Horizontal application (parallel to wall) **With H-Mold***

- 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 with 4.8mm diameter through the panel.
- Install H-mold at vertical joints.
- Installing the starter bar is optional and can help with alignment of the first panel course.

Panel clip + Face screw



② Long clip + Face screw



*Refer to Ceraclad Trim Accessories Tech Data sheet for more details.

CERACLAD Soffit Guidance

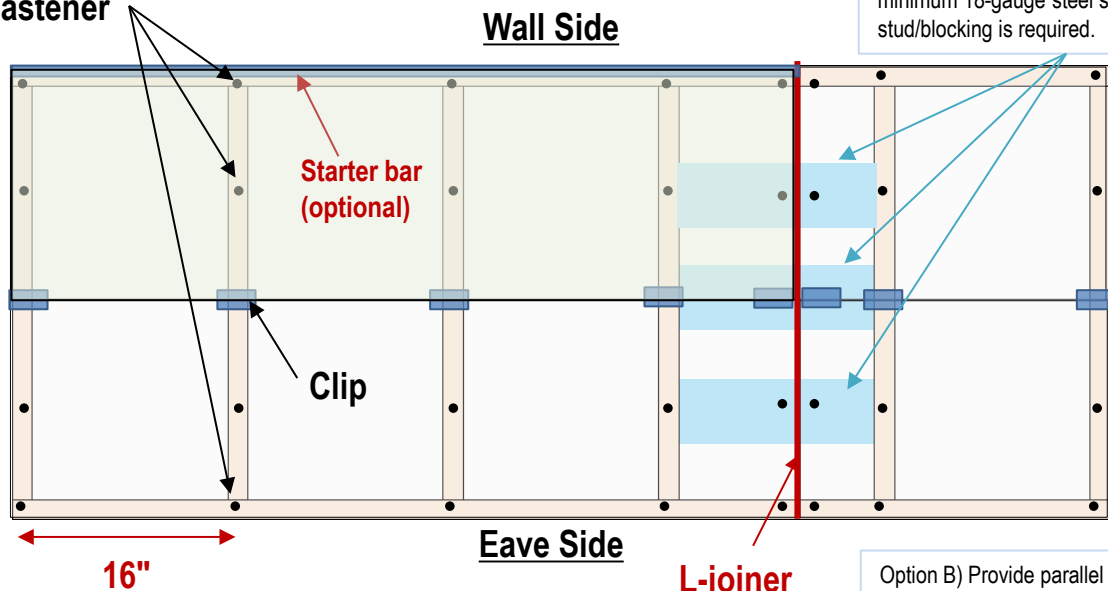
3. General Installation Instruction

(1) Horizontal application (parallel to wall) **With L-joiner**

- 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 4.8mm diameter through the panel.
- Install the starter bar optional at the first panel course for helping for alignment.
- For installing L-Joiner at panels joints, make sure provide backing for L-Joiner fastening as well as panel clip fastening within 3" of the joint : minimum 18-gauge steel stud or a wood stud/blocking required.
- Install panel clips and direct-fastening screws on the inserted backing to prevent the panel from sagging.
- Be sure to install the L-joiner straight. This will prevent noticeable gaps.

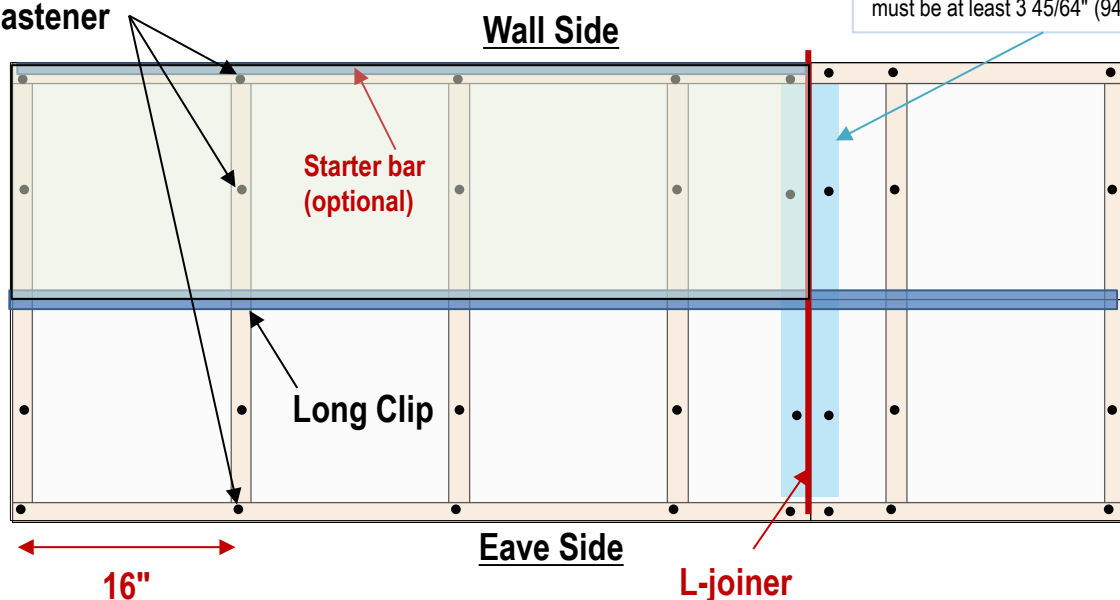
① Panel clip + Face screw

Face Fastener



② Long clip + Face screw

Face Fastener



CERACLAD Soffit Guidance

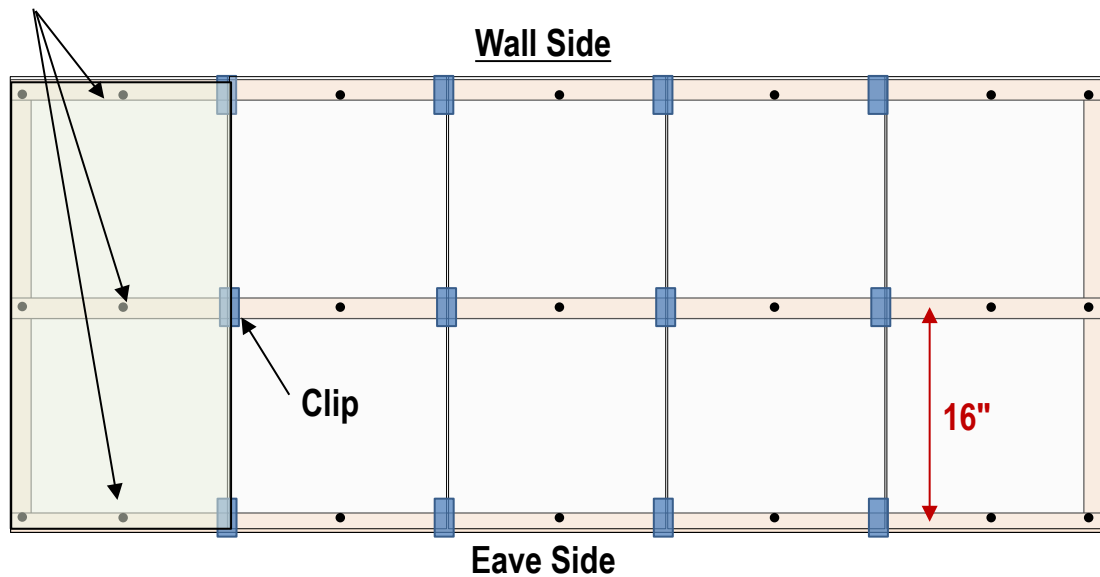
3. General Installation Instruction

(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 with diameter of 4.8mm through the panel.

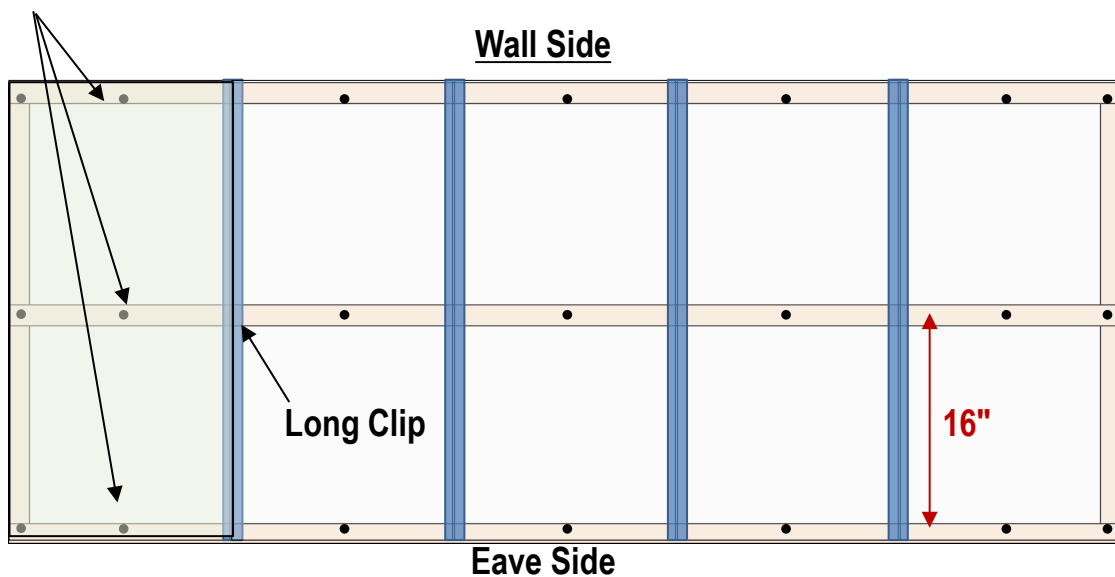
① Panel clip + Face screw

Face Fastener



② Long clip + Face screw

Face Fastener



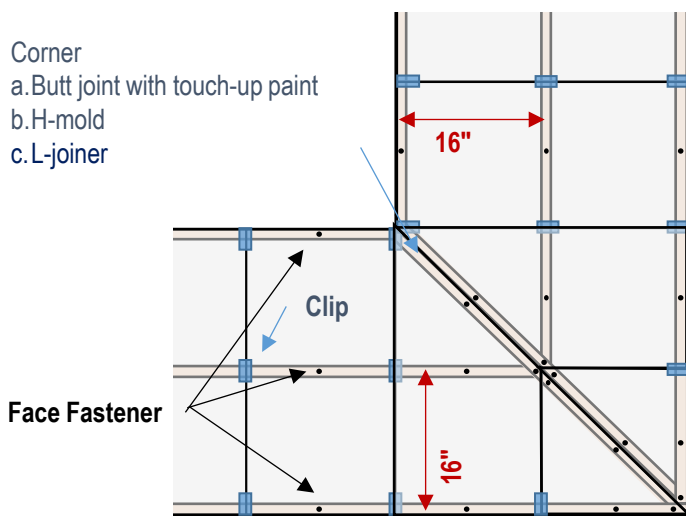
CERACLAD Soffit Guidance

3. General Installation Instruction

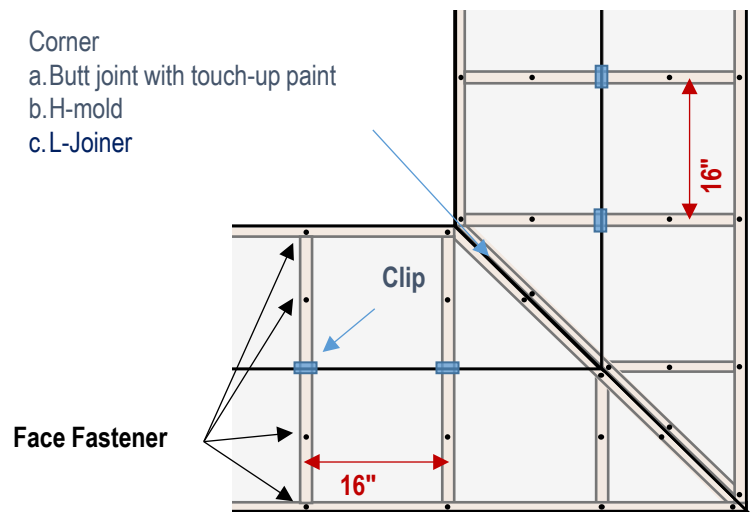
(3) Installation of corner section

- Ensure there is proper substrate at panel corner joints/sections.
- For installing L-Joiner at panels joints, make sure provide backing for L-Joiner fastening as well as panel clip/ face fastening within 3" of the joint : minimum 18-gauge steel stud or a wood stud/blocking required.
- For parallel substrate support at the L-Joiner, minimum width 3 45/64" (94mm) or more is required.
- Ensure the L-Joiner is installed straight to prevent noticeable gaps.

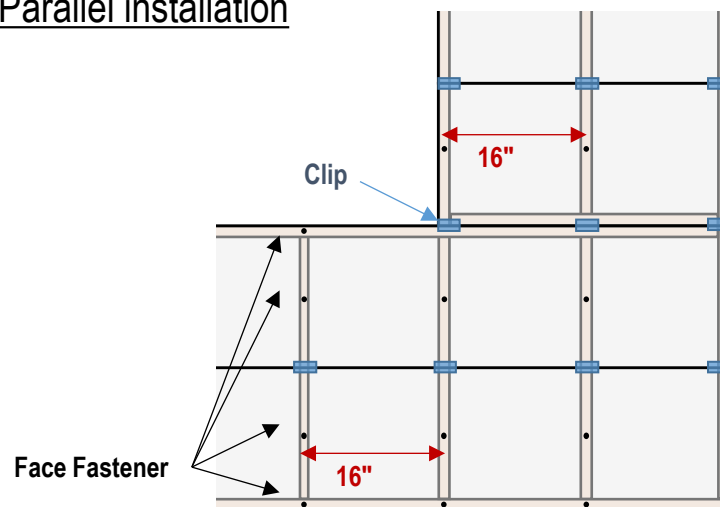
Diagonal installation (vertical application)



Diagonal installation (horizontal application)



Parallel installation

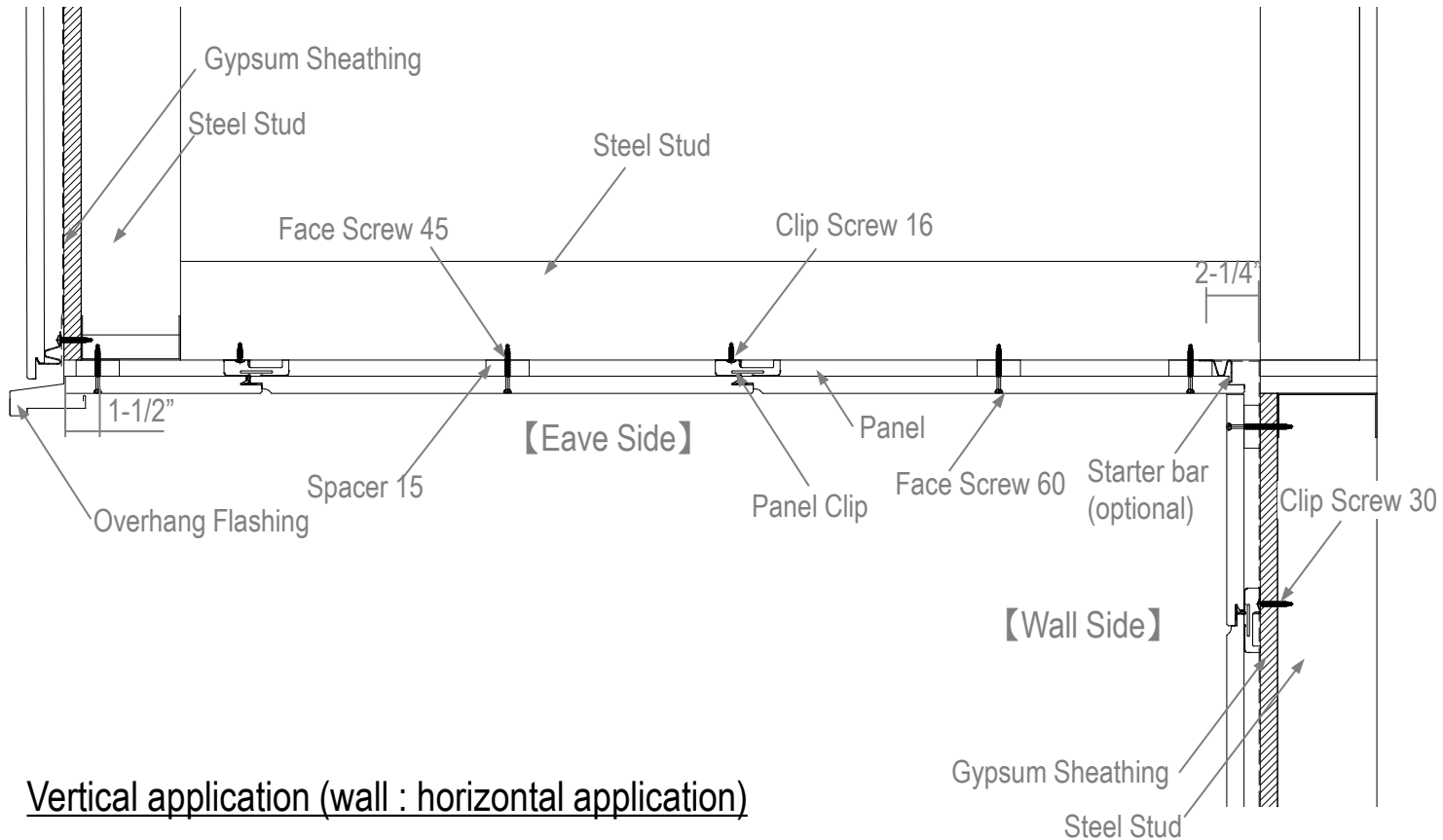


CERACLAD Soffit Guidance

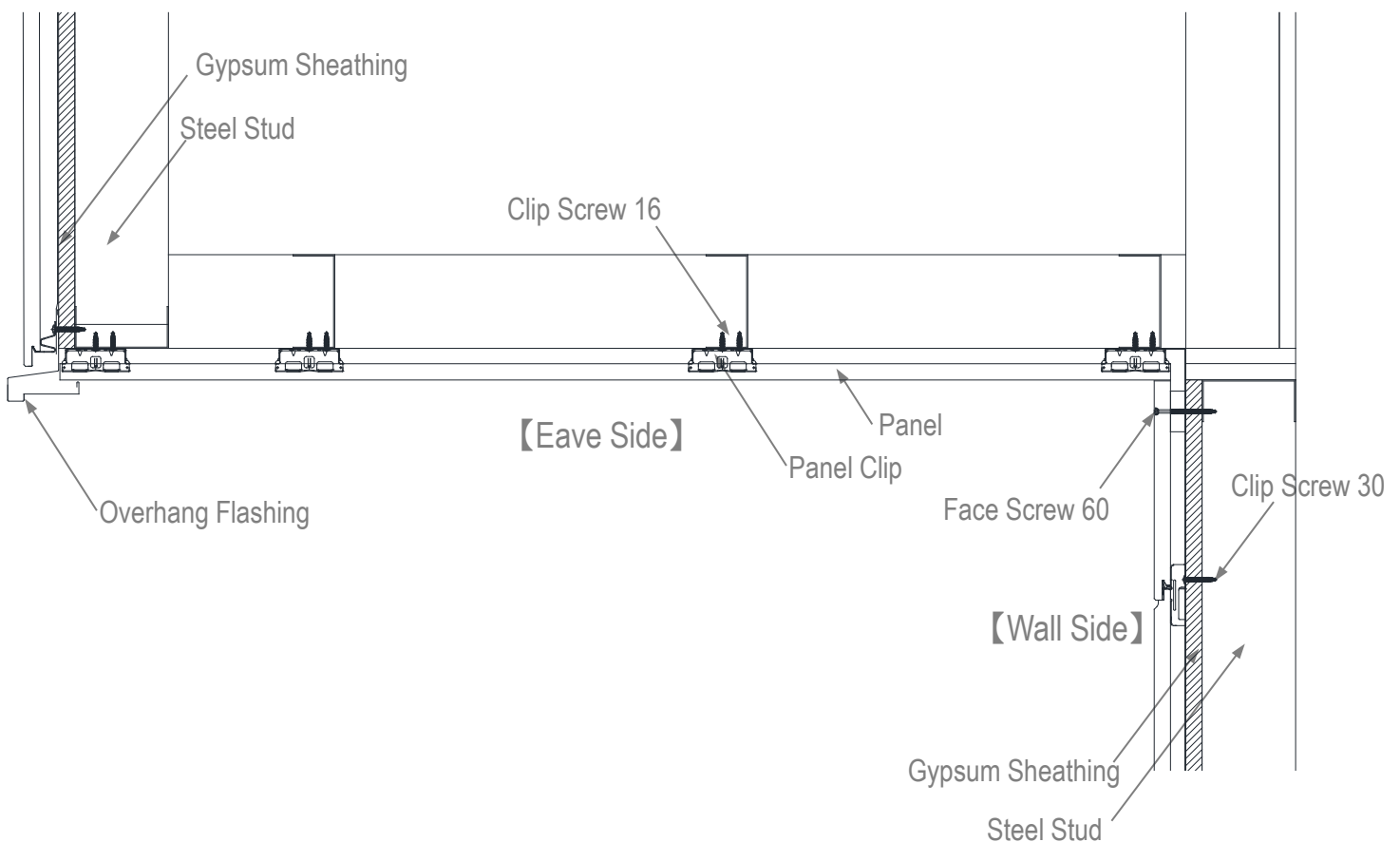
3. General Installation Instruction

(4) Detail drawing

Horizontal application (wall : horizontal application)



Vertical application (wall : horizontal application)



CERACLAD Soffit Guidance

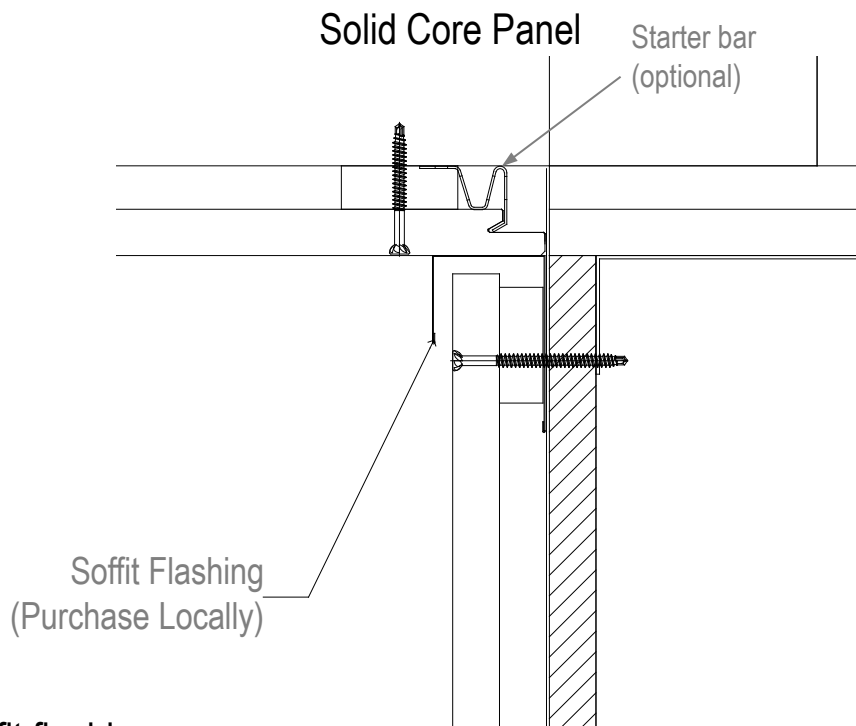
3. General Installation Instruction

(4) Detail drawing

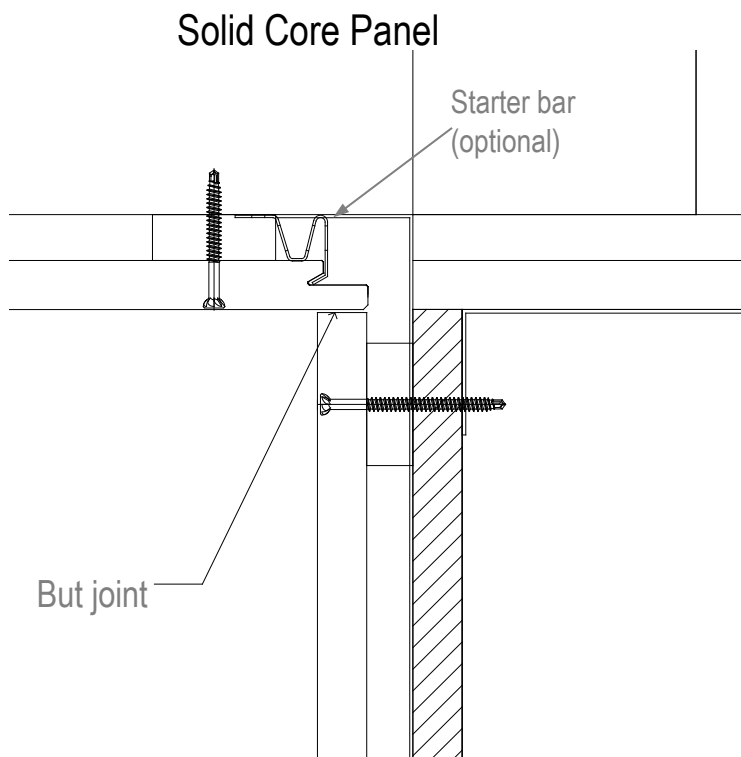
The joints with the exterior walls

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

① With soffit flashing



② Without soffit flashing



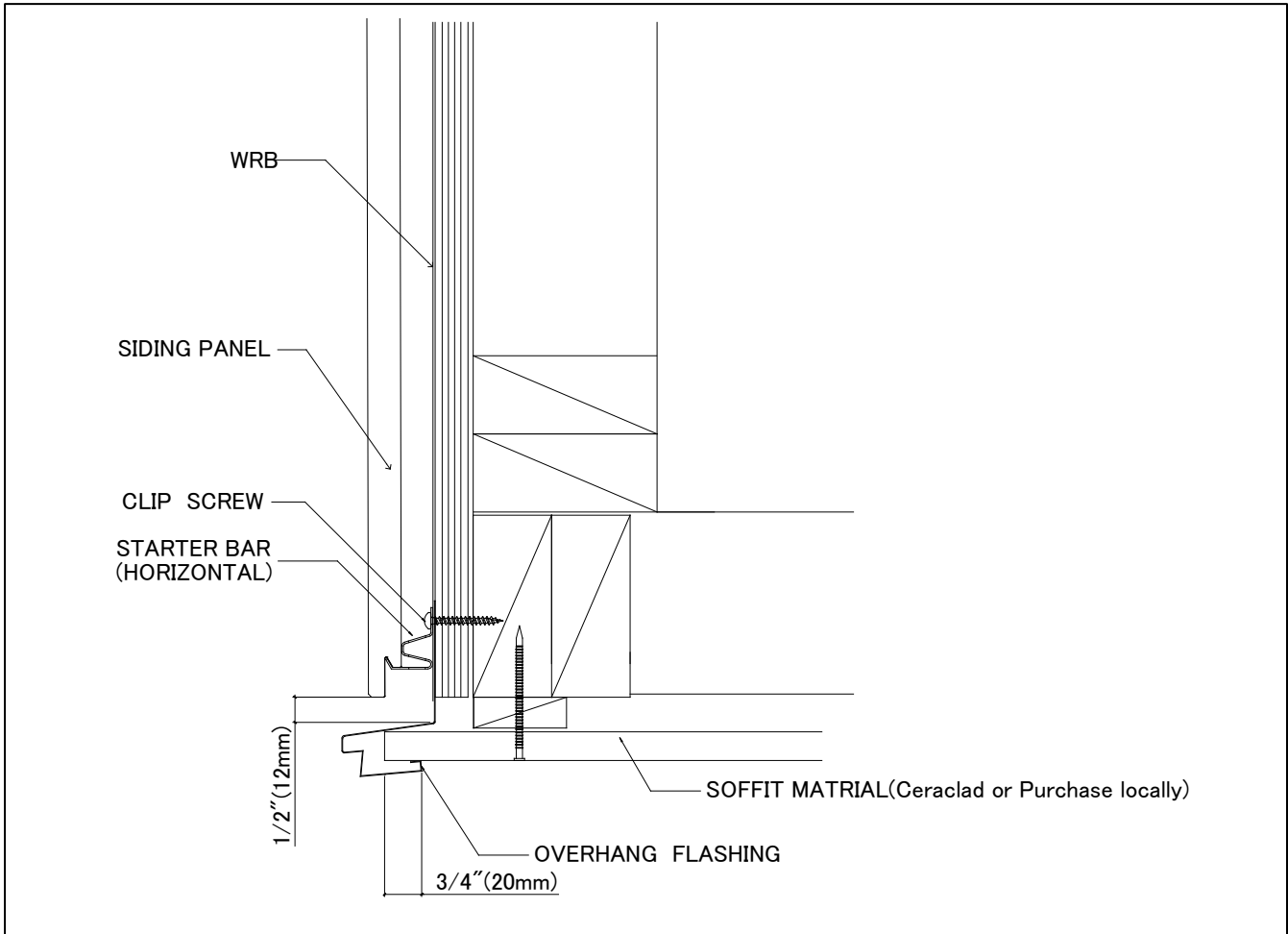
CERACLAD Soffit Guidance

3. General Installation Instruction

(4) Detail drawing

Overhang (Option)

- Install overhang flashings at overhangs.
- Keep 12 mm space between the overhang flashing and siding



Note:

1. Seal the interface between the overhang section and the weather-resistive barrier (building paper) to prevent water intrusion into the soffit cavity.
2. Use joint pieces at all field joints and at inside and outside corners to prevent water intrusion into the soffit cavity.
3. This product cannot be used with soffit materials greater than 16 mm thick.

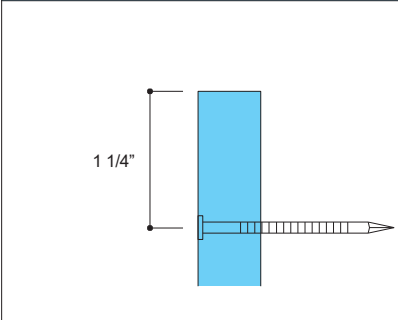
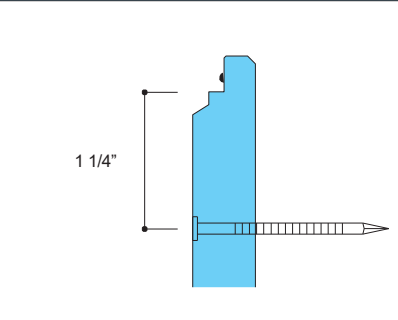
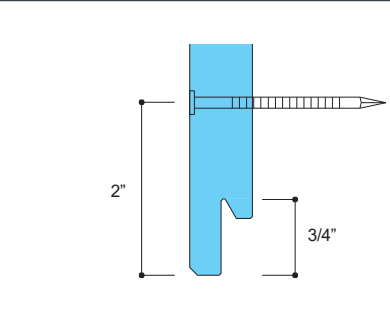
CERACLAD Soffit Guidance

4. How to fix nails or screws

- Install spacer blocks or pressure treated furring behind panels that are fixed with nails or screws through the panel.
- Pre-drill pilot holes before driving face screws or nails through the panel. Use a bit that is 1 mm smaller than the fastener.

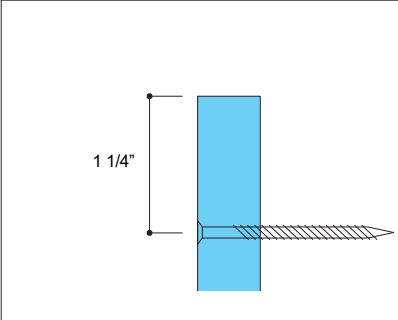
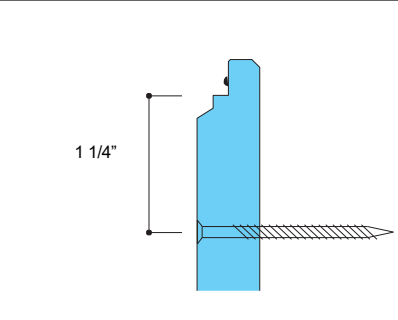
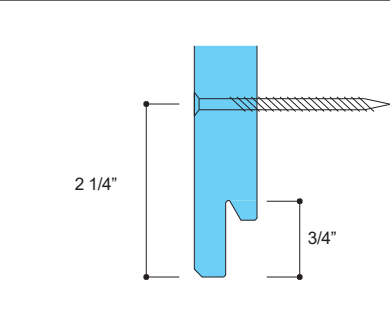
<1> Wood Structure

- The minimum distance should be 1-1/4 inches from the thick portion of the panel (not including the shiplap edges).
- Keep the minimum distance from the edge of siding, drill pilot holes (nail diameter - 1mm) and fix the siding panels with ring nails.
- Apply the touch-up paint on the nail heads.

Panel Edge	Ship-lap, Lower lip	Ship-Lap, Upper lip
		

<2> Steel Structure

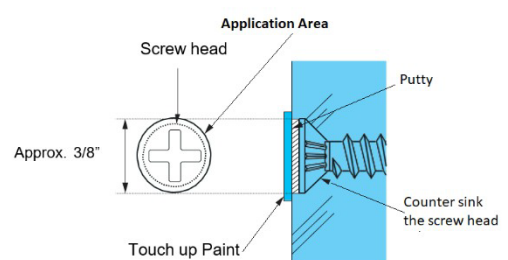
- Keep the minimum distance from the edge of siding, drill pilot holes (screw diameter - 1mm) and fix the siding panels with stainless steel screws.
- The minimum distance should be 1-1/4 inches from the thick portion of the panel except for shiplap lips.

Panel edge	Ship-lap, Lower lip	Ship-Lap, Upper lip
		

•Screw heads can be treated with one of the following methods:

1. Drive the screw just below the siding panel surface, apply repair putty to it, and apply touch-up paint after the putty has hardened sufficiently.
2. Apply touch-up paint on the screw heads. This method is only applicable for CERACLAD system screws, which are alloy coated stainless steel. Touch up paint will not properly adhere to bare stainless steel. Therefore, all locally purchased stainless steel screws must be finished using the method described in section 1 above.

EX. Applying touch-up paint after applying putty



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5.Application of Touch-up Paint



Please read before proceeding

- Paint should be finished within the same day of mixing the paint ingredients. If the application cannot be completed within the same day, be sure to finish painting within 24 hours of applying the primer.
- Failure to follow the procedures below can result in poor color matching and may cause repaired portions to discolor over time. Please note that we assume no responsibility for such a case.
- Use no caulking materials in touch up repairing. Caulking used for touch-up will fade over time.
- Although the solid paint base may appear hard, it will work properly after vigorous mixing with the liquid hardener.
- Please refer to the material identification key to identify the ingredients.

Material Identification Key.



Blue Label:
Paint Base

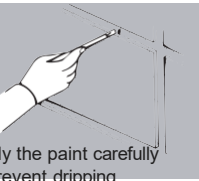
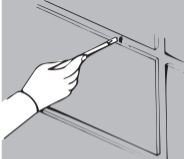
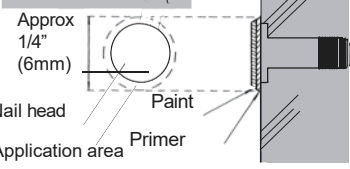


Red Label:
Primer



Green Label:
Hardener

- Follow these directions when applying touch-up paint.

1) Preparation	• Ensure that the siding surface is completely dry. Avoid painting when it is rainy and wet or the temperature is 40°F or less. • Clean dirty painting portions.  Be sure to finish application within a day, if possible, as both the primer and the paint have a working life.	Touch up Paint Kit    Paint Base Primer Hardener Brushes 
2) Mixing of touch-up paint	• Pour the entire bottle of hardener into the base paint bottle. Shake the bottle well. • The mixed paint is susceptible to air humidity; be sure to close the lid tightly after mixing and agitation. • The mixed paint should be used after 30 minutes and within 8 hours of mixing.  • For best results mix the entire quantities of the two bottles. Incremental mixing may result in poor performance. • Leave the mixed paint alone for 30 minutes after mixing to stabilize the color tone. • Apply the mixed paint within 24 hours after applying the primer.	  Paint Base Hardener  Hardener Put all of the hardener into the paint base bottle.  Shake the bottle well until paint color becomes even.
3) Primer application	• Avoid dripping during application. In case of dripping, remove it immediately with a clean cloth. • The primer is susceptible to air humidity; be sure to close the lid tightly after use.  • For best results, apply sparingly.	Brush   Primer Apply the paint carefully to prevent dripping.
4) Drying	• Allow 30 minutes for the primer to dry.	
5) Application of touch-up paint	• The mixed paint should be used after 30 minutes and within 8 hours of mixing. • Use the included brushes to apply the paint without dripping. • Apply the paint over portions applied with the primer. • Apply the paint within 24 hours after applying the primer.  • For best results, use the paint sparingly and cover only the nail head. • Prime all locations before painting.	  Approx 1/4" (6mm) Nail head Paint Primer Application area
6) Inspection	• Check for uncoated sections. Paint as needed.	

Technical Information

- Installation Instructions
- Reports and Certifications
- Specifications
- Technical Bulletins
- Technical Data Sheet
- Warranty
- Health, Safety and Sustainability



- **Technical Services Support**

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