

INSTALLATION GUIDE

NOVANO SIDING on SOFFIT & CEILING QUIK-TRIM SYSTEM

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I. INTRODUCTION

Engineered for architectural consistency and lifetime durability, the NOVANO Siding utilizes a high-performance board profile. Finished by Quik-Trim System, it ensures a seamless, screw-free finish across every application.

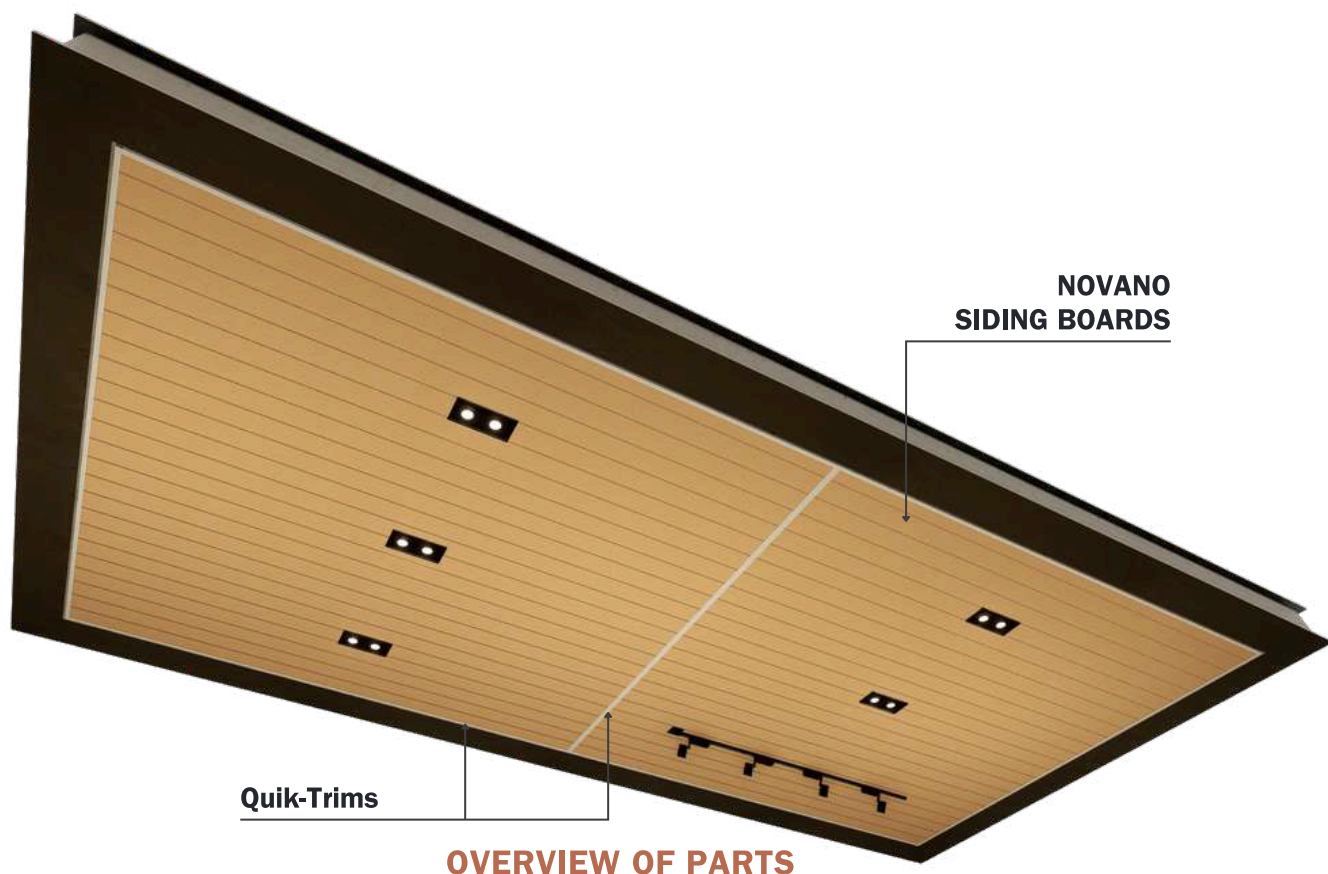
NOVANO composite siding is a **fully integrated system** designed to deliver consistent performance, visual continuity, and reliable installation results across residential and commercial projects. Every component, from the Siding Board to the Quik-Trims and fastening elements, works together as one coordinated solution.

This approach simplifies specification, reduces installation complexity, and ensures a clean, cohesive finish from deck surface to perimeter details.

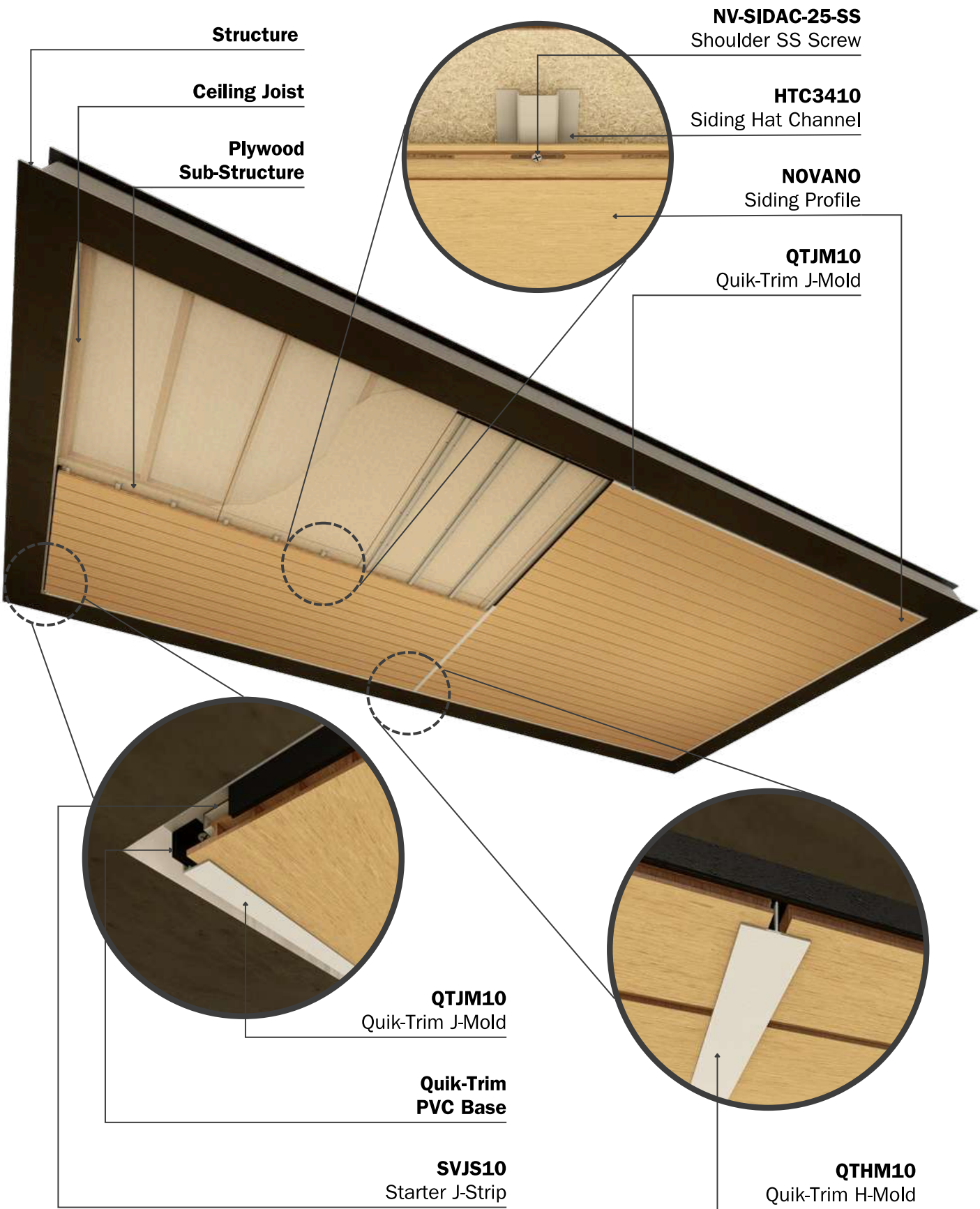
SECTION 1 - MATERIAL COMPONENTS

The traditional construction industry has long been limited by the biological vulnerabilities of timber. At NOVANO, we have moved beyond mere imitation to True Engineering. Our technology is centered on a proprietary synthesis of natural innovation and high-performance polymers, creating a wood-free composite that excels where organic fibers fail.

By manipulating the molecular structure of our raw materials, we ensure high-density fiber reinforcement that provides unrivaled dimensional stability and moisture resistance. This is Nature Reinvented, a next-generation material designed to meet the rigorous mechanical demands of global architectural standards while offering a superior total value through long-term structural integrity.

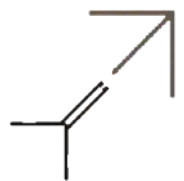


SECTION 2 - BASICS



ISOMETRIC VIEW
Basic Parts of Siding Board (Soffit and Ceiling)
Quik-Trim System

SECTION 3 - SCOPE OF DELIVERY

ITEM No.	PRODUCT NAME & SPECIFICATION	ISOMETRIC VIEW	SECTION VIEW
1	NV-SID-9513-H ½" x 4" x 12' Hollow Siding Profile		
2	NV-SID-14013-H ½" X 6" X 12' Hollow Siding Profile		
3	HTC3410 ¾" X 1 ½" Siding Hat Channel Mill Finish		
4	HTC3410P ¾" X 1 ½" Siding Hat Channel Punched Mill Finish		
5	QTWJM10 1" x 1-37/64" Quik-Trim Windows J-Mold with Quik-Trim PVC Base		
6	QTOC10 1" x 1" Quik-Trim Outside Corner with Outside Corner Quik-Trim PVC Base		
7	QTIC10 1-37/64" x 1-37/64" Quik-Trim Inside Corner with Quik-Trim PVC Base		

SECTION 3 - SCOPE OF DELIVERY

ITEM No.	PRODUCT NAME & SPECIFICATION	ISOMETRIC VIEW	SECTION VIEW
8	QTHM10 1-37/64" Quik-Trim H-Mold with Quik-Trim PVC Base		
9	QTJM10 1" x 25/32" Quik-Trim J-Mold with Quik-Trim PVC Base		
10	SVJS10 Siding Starter J-Strip		
11	NV-SIDAC-25-SS 1" TEC Shoulder Stainless Steel Screw		

Table 1.1 - Scope of Delivery

NOTE: 12” Siding can be used but need 12” on center attachment.



NV-SID-29426-H
1.02" x 12" x 8'
Hollow Siding Profile

IMPORTANT: Five Major Bullet Points You Must Follow for a Successful NOVANO Siding Installation

- Screw Placement
- Room for Expansion and Contraction
- Hard Fastening of each Plank
- Top to Bottom Ventilation
- Span over 16" between supports, 3 hat channels are required

Note:

Proper planning of the Siding Board layout is essential for ease of installation of Siding Boards and siding components.

Thoroughly read the following siding assembly instructions and obtain all necessary building permits prior to starting your installation.

Decide finishing and trimming options prior to starting the project to ensure the siding finishing detail is uniform for all sides of the building

Installation is the sole responsibility of the installer. **NOVANO Company assumes no responsibility whatsoever with respect to the installation.** The information contained herein is provided for guidance purposes only and should not be relied upon as any absolute representation by NOVANO.



Packed finished material must be kept dry.

When packed, finished NOVANO Products are exposed to moisture, and it can develop mold/mildew on the board surfaces if left packed/bundled.

If packed material is exposed to moisture, open it immediately and spread the material to allow surfaces to dry.

This condition only applies to packed material. Finished NOVANO Products installed in exterior applications will not exhibit this issue.

SAFETY TIPS

1. Always check for power, gas, and water lines before installing.
2. Always wear safety glasses when operating power equipment.

ASSEMBLY TIPS

1. Battens should be flat and level with each other. Siding will follow the contour of the wall.
2. NOVANO Siding System is not a rainscreen or waterproof system. NOVANO Siding Board is a watershed system.
3. Proper wall preparation according to local building codes and wall covering manufacturer's recommendations should be adhered to. This includes but is not limited to flashing all openings.
4. All holes should be predrilled and installation holes should be slotted.
5. Only use construction fastening material and hardware suitable for outdoor use (e.g. stainless steel screws). Recommended is the use of NV-SIDAC-25-SS shoulder screw.
6. Always consider the linear expansion of NOVANO, which is dependent on the temperature but not the air humidity. See *Table 1.3 "NOVANO Expansion"* for more information.
7. Cut-off pieces and/or abrasive dust must be disposed of separately. Please comply with the regulations of your local waste management provider. You may under no circumstances burn NOVANO.
8. Cutting to length should be carried out at consistent material temperature. Therefore, the material should be stored in the shade or in areas where it is not exposed to direct sunlight. The material can warm up considerably in the sun, leading to an increased change in length. In the case of more distinct fluctuations in material temperature, cutting to length may have to be adapted accordingly.
9. Please store NOVANO Products flat on a level surface.

CODE COMPLIANT BATTEN SPACING

Part Number	Part Description	Joist Span (in)	Minimum Steel Gauge
NV-SID-14013-H	Siding Board Flat 1/2" x 6" (0.530" x 6")	16"	18
NV-SID-9513-H	Siding Board Flat 1/2" x 4" (0.530" x 4")	16"	18

Table 1.2 Batten Spacing Requirements

Recommendation for Batten Spacing

If the siding is being installed in a not southern location and will be exposed to direct sunlight for the majority of each day and/or the siding will be stained a dark color, the batten spacing is suggested be reduced to 8" or 12" center-to-center for all siding profiles.

EXPANSION / CONTRACTION OF SIDING

NOVANO Expansion - Contraction Guide	
Profile Length	12 ft
Expansion / Contraction amount (approximately 0.3% over 90 °F variation in temperature)	$\frac{7}{16}$ " (0.432")

Table 1.3 - NOVANO Expansion

Average expected expansion-contraction
(this can vary based on the geographical region)

Ensure a steady material temperature when cutting the boards to size, i.e. the cutting has to be done under constant conditions, e.g. inside or in shade

Always consider the linear expansion of NOVANO profiles during the installation of siding products. If temperatures fluctuate during the installation, the gaps placed between the ends of the boards and a corner, window, or door must change with the temperature. Use the guide above to gap boards during installation..

NOVANO Siding Board Gap Guide					
Temperature at Installation	Trim Gap Siding Boards				H-Channel Gap
	Below 30°F	60°F	90°F	120°F	
Amount for Siding Profile Length of 12 ft	$\frac{7}{16}$ "	$\frac{5}{16}$ "	$\frac{3}{16}$ "	0"	$\frac{1}{4}$ "

Table 1.4 - NOVANO Gap Guide

Expansion - Contraction Tips

1. Control Piece

At the start of the day, cut a length of board that is desired to be installed and keep this board in the same area as the cutting and storage of the remaining boards. This board will be a “Control Piece” to reference when cutting other boards to be installed. Throughout the day, the “Control Piece” can be referenced and the saw cuts adjusted accordingly as the boards expand and/or contract. The heat from the sun will cause NOVANO boards to expand, so if the material is stored in the shade, keep the “Control Piece” in the shade as well.

Example:

If 12 ft boards are being installed cut one 12 ft board at the start of the day. Reference these boards throughout the day and adjust the cutting of the other boards to match.

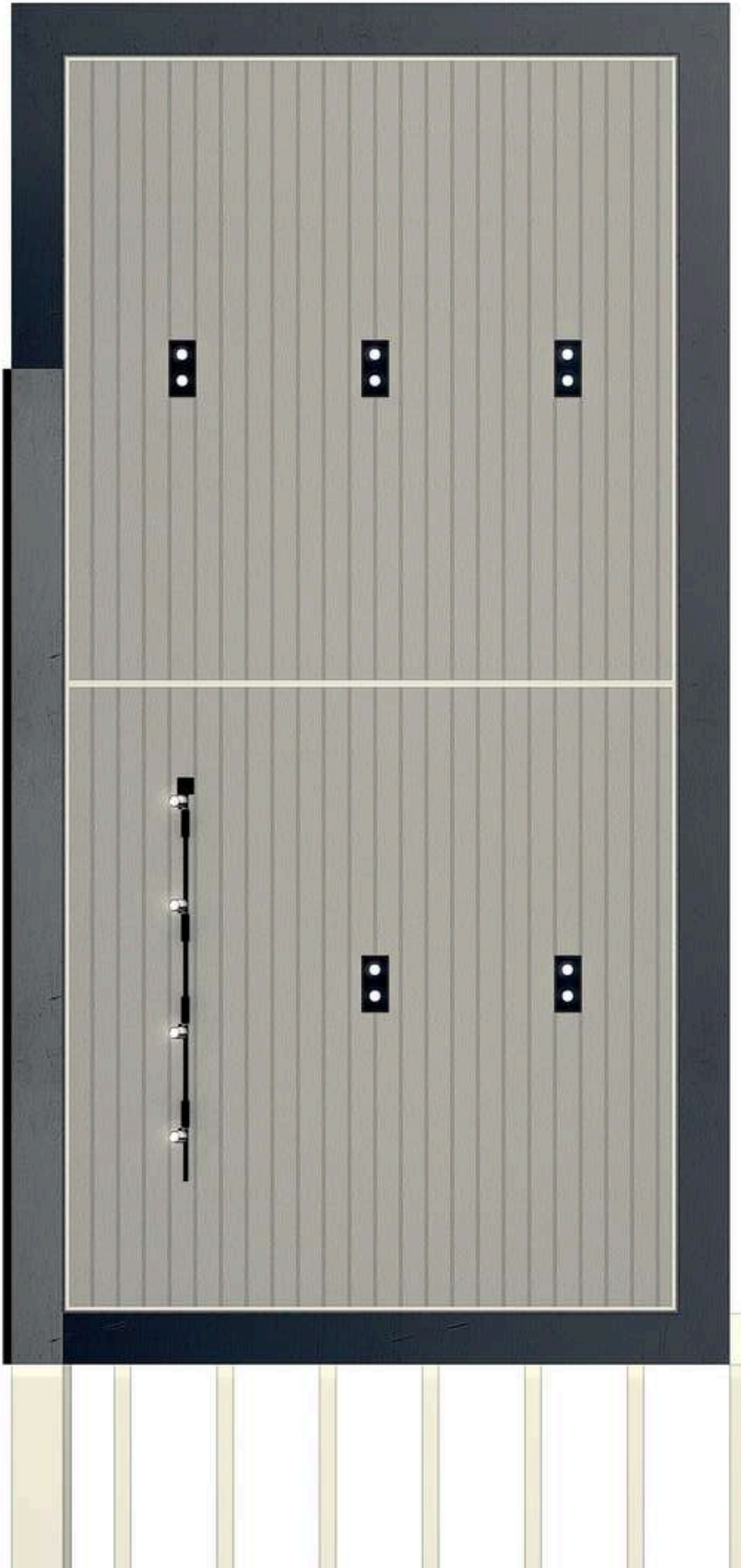
2. Control Gap

At the start of the installation, place the board gap according to *Table 1.4* and mark the first gap made. This gap will be a “Control Gap” to reference when gapping the remaining boards to be installed.

Throughout the installation, refer back to this “Control Gap” to match the other gaps being installed. This will ensure that all the gaps installed are the same.

II. INSTALLATION PROCEDURE

SECTION 1 - REVIEW THE REFLECTED CEILING PLAN



Before starting the installation, it is advised to carefully study the Reflected Ceiling Plan (RCP).

The Reflected Ceiling Plan (RCP) is an architectural drawing, showing the placement of the lighting, sprinklers, smoke detectors, and other mechanical or electrical components.

By studying the RCP, you can assess the affected areas where the siding profiles on the soffit and ceiling are to be installed.

REFLECTED CEILING PLAN
*Siding Board on Soffit and Ceiling
Quik-Trim System*

SECTION 2 - BATTEN STRUCTURE

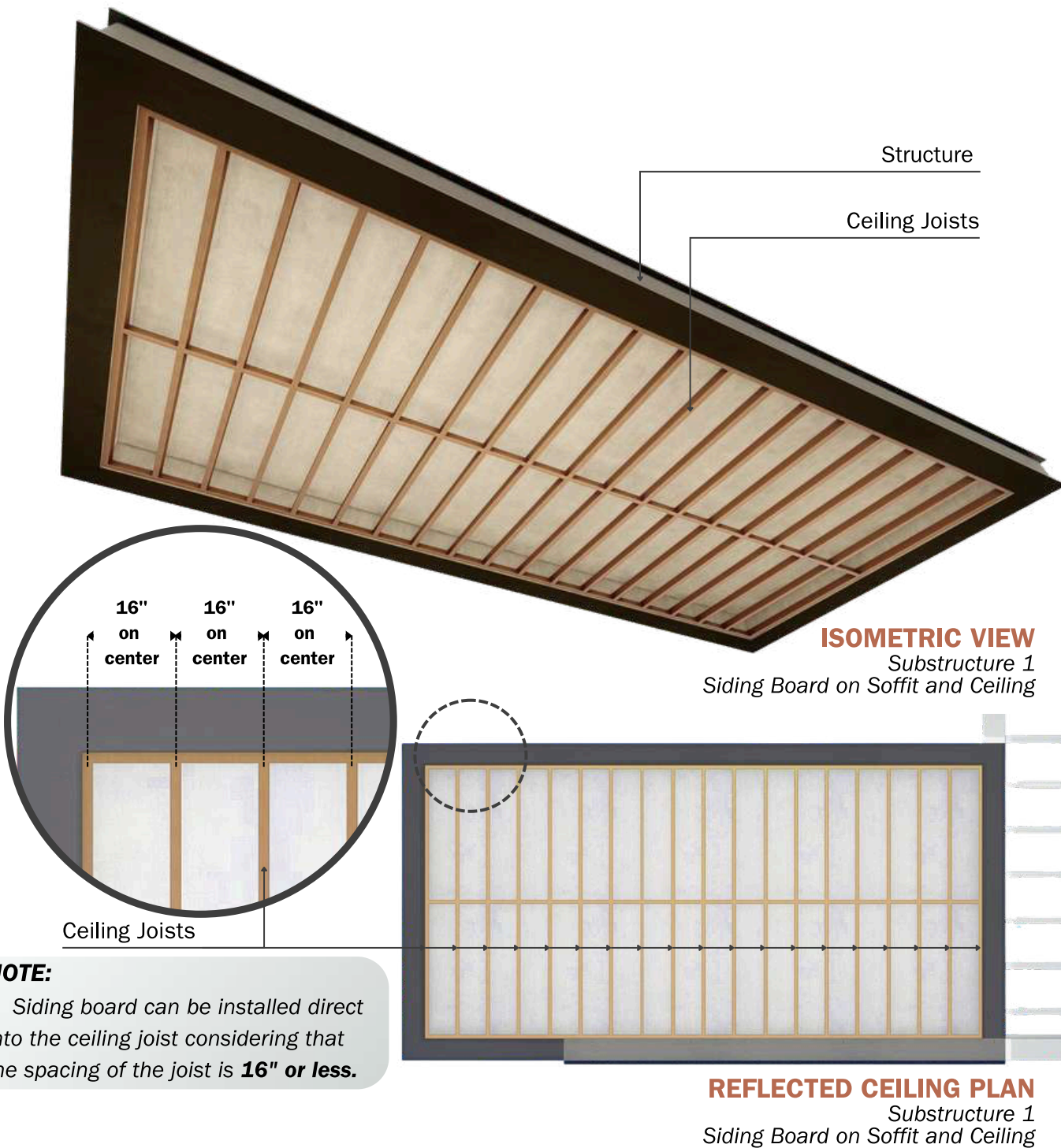
General Notes on Batten Substructure

NOVANO Siding Boards on the soffit and ceiling can be installed in longitudinal or transverse applications and the batten substructure should be planned to accommodate how the Siding Boards will be installed.

Note that there are two substructures that NOVANO battens can be installed whether:

- (1) **Substructure 1.** Direct on Ceiling Joist; or
- (2) **Substructure 2.** NOVANO Runners under Substructure Plywood.

SUBSTRUCTURE 1 - Direct on Ceiling Joist

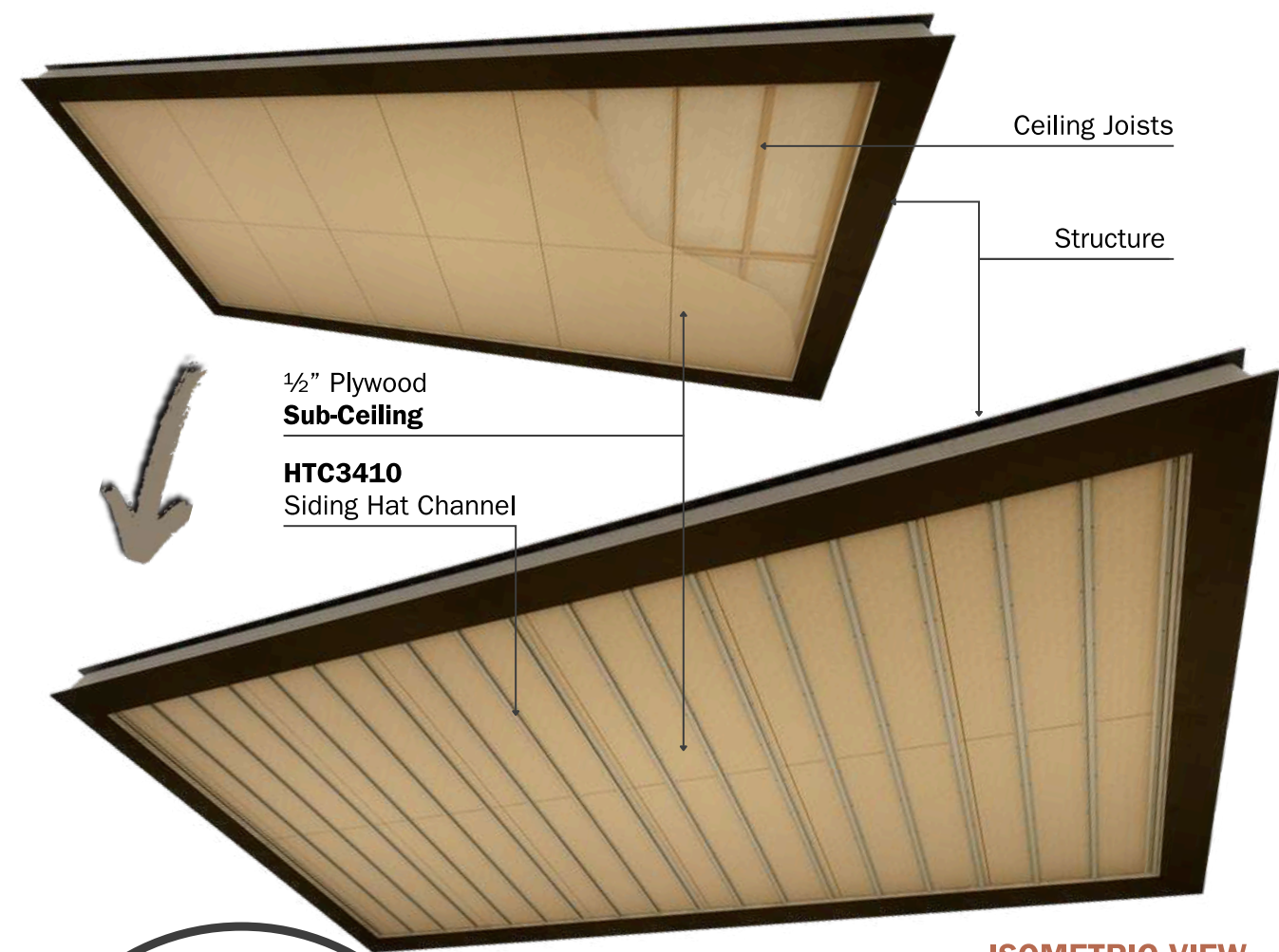


NOTE:

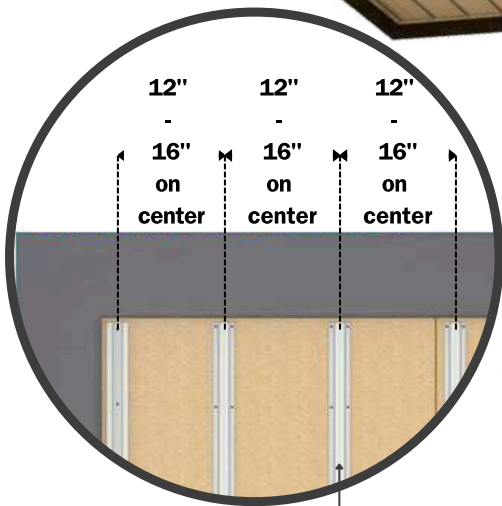
Siding board can be installed direct into the ceiling joist considering that the spacing of the joist is **16" or less**.

SECTION 2 - BATTEN STRUCTURE

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood



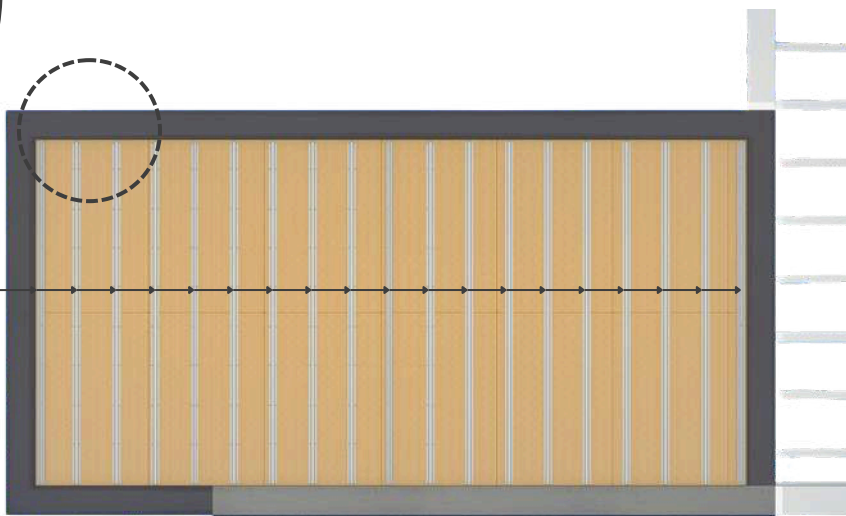
ISOMETRIC VIEW
Substructure 2
Siding Board on Soffit and Ceiling



Siding Hat Channels

NOTE:

Install the aluminum hat channel runners under the 1/2" plywood sub ceiling support with **12" to 16"** on center runner spacing before installing the Siding Board.



REFLECTED CEILING PLAN
Substructure 2
Siding Board on Soffit and Ceiling

NOVANO Aluminum Batten Substructure

Install the battens and secure them to the frame substructure in compliance with local building codes. Ensure that the installed battens do not exceed the “Batten Spacing Requirements” of *Table 1.2*. On walls where two Siding Boards will be used end-to-end, a minimum of two battens must be used to accommodate the fastening of the Siding Boards and any trim pieces desired to the batten substructure where the boards meet. Prior to installing the NOVANO Siding Boards, ensure that the batten installation provides a minimum $\frac{3}{4}$ ” air gap behind the Siding Boards and there is sufficient support for all Siding Boards and trim accessories. This is often achieved through the installation of battens with a minimum thickness of $\frac{3}{4}$ ”

Battens should be installed on top of a code-compliant sheathing with fasteners and fastener spacing sufficient to accommodate all loads imposed upon it by the NOVANO Siding Board, trim components, and any other accessories attached to the battens. NOVANO Siding Boards must be attached to aluminum battens with NOVANO Shoulder stainless steel screws (NV-SIDAC-25-SS Screw) taking care to not penetrate the weather barrier. If the weather barrier is going to be penetrated reference the weather barrier manufacturer’s recommendations. Notes on NOVANO Shoulder Screw NV-SIDAC-25-SS.

SECTION 3 - TRIM AND ACCESSORY OPTIONS

Aluminum Siding Trim systems made for NOVANO Siding Boards are recommended for covering the ends and gaps of Siding Boards.

Suggested supply includes, but is not limited to:

Quik-Trim Outside Corner Trim

(for Inside Corner of Board Installation),



Quik-Trim Inside Corner Trim

(for Inside Corner of Board Installation),



Siding Starter J-Strip

(to start Siding Boards),



Quik-Trim H-Channel Trim

(to cover wall gaps),



Quik-Trim J-Channel Trim & Window J-Channel Trim *(used for Siding Board termination).*



Aluminum Quik-Trim Siding Trims are standard aluminum alloy 6063 T5 and have a .050" nominal wall thickness. Aluminum Siding Trims come in 10' lengths and shall have a standard Mill Finish for field priming and painting unless otherwise specified.

GENERAL INSTALLATION GUIDELINES

for NOVANO Aluminum Quik-Trim Siding

Aluminum Quik-Trim Siding Trim must be cut with a 150-tooth carbide-tip blade for nonferrous metal. Blade Lubricant must be applied to the blade before each cut and the lubricant should be cleaned from the trim prior to installation. None of the Siding Trim should be installed horizontally unless weep holes are drilled at 8" intervals to allow for moisture to escape from behind the face flange. Exceptions to this are 1) a Siding Starter J-Strip installed in any direction and 2) a Quik-Trim Siding J-Channel Trim when it is installed horizontally with its face flange pointing down.

ALUMINUM BATTEN INSTALLATION GUIDELINES

for NOVANO Aluminum Quik-Trim Siding

When using metal battens, either steel or aluminum, it is recommended to use the shoulder SS Screw NV-SIDAC-25-SS which can be driven through the aluminum siding trim and into the metal batten. The trim should be fastened 16" on the center for either horizontal or vertical installations. If the batten substructure spacing is reduced for the Siding Boards the trim should be fastened at the same interval as the siding. Be aware of fastener placement for the siding trim so as to not hinder the installation of the NOVANO Siding Boards.

**SECTION 4 - INSTALLATION OF SIDING BOARD
DIRECT ON CEILING JOISTS**

SUBSTRUCTURE 1 - Direct on Ceiling Joists

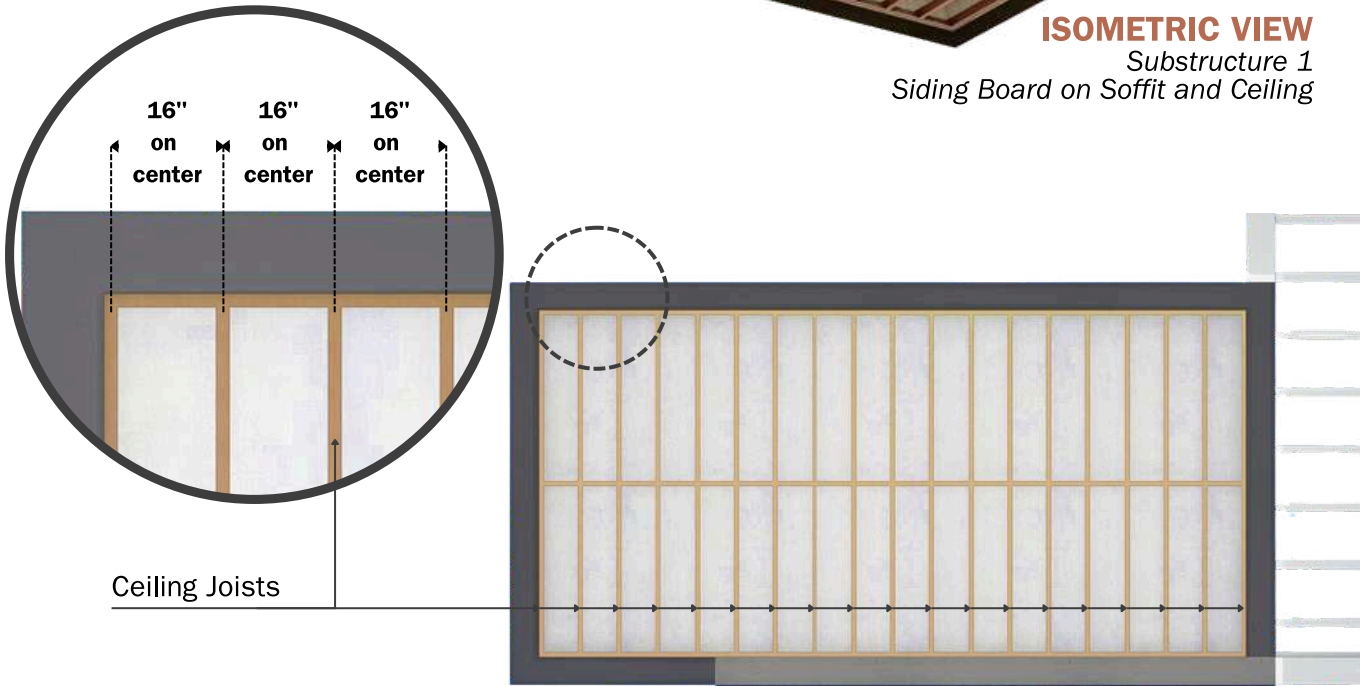
STEP 4.1

Pre apply all finishing trim accessories such as trim around corners, skylights, and other pre plan layout ceiling components and following the manufacture’s recommendations. Ensure that all trim is level and square.



ISOMETRIC VIEW

*Substructure 1
Siding Board on Soffit and Ceiling*



REFLECTED CEILING PLAN

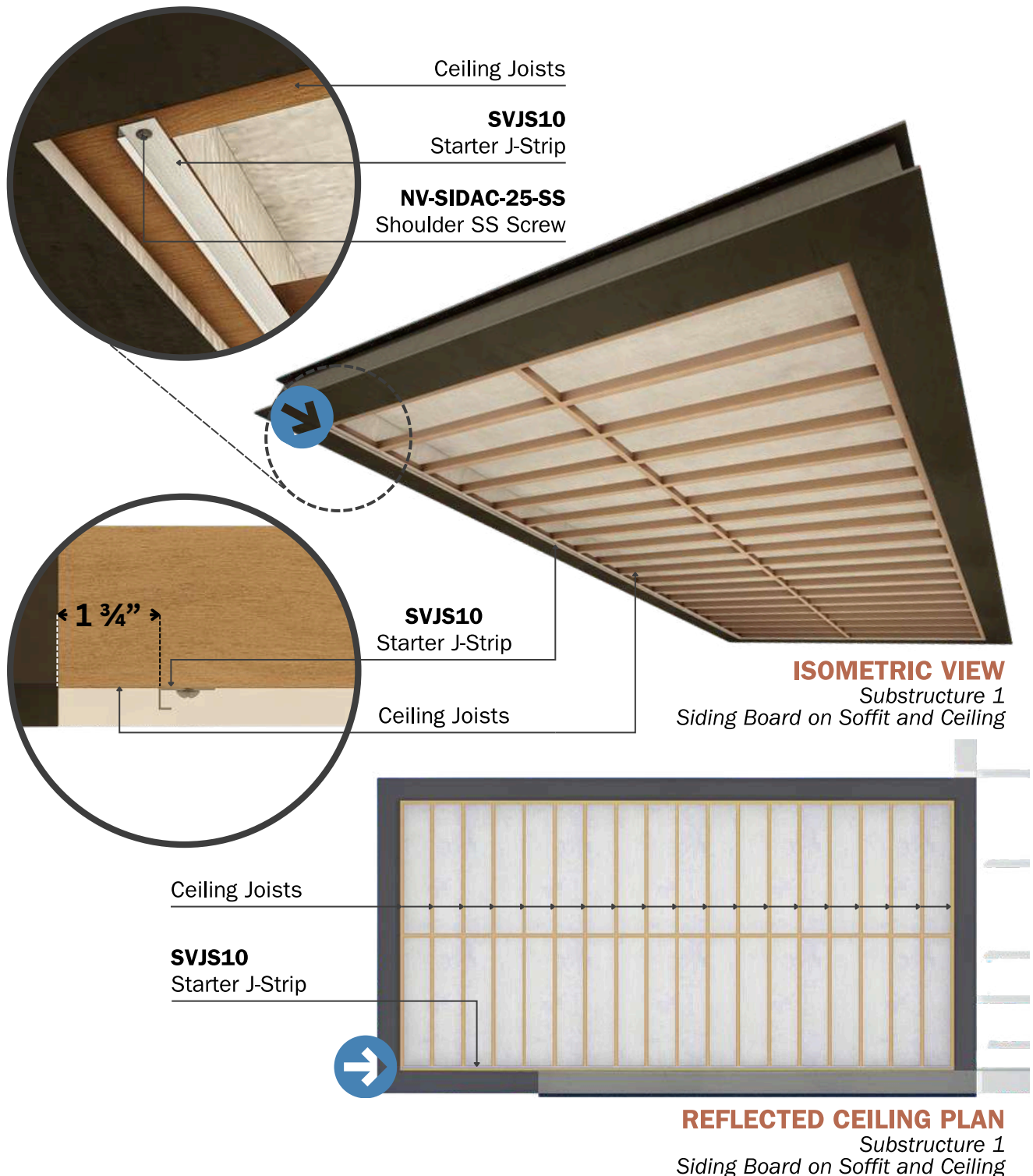
*Substructure 1
Siding Board on Soffit and Ceiling*

SECTION 4 - INSTALLATION OF SIDING BOARD DIRECT ON CEILING JOISTS

SUBSTRUCTURE 1 - Direct on Ceiling Joists

STEP 4.2

Attach the Starter J-Strip directly to the ceiling joist substructure. The Aluminum Starter Strip is required to install the NOVANO Siding Board on the soffit. The NOVANO Siding Boards on the soffit will have a space of $\frac{1}{2}$ " from the Quik-Trim J-Mold to the wall therefore the Starter Strip should be attached $1 \frac{3}{4}$ " from the wall in accordance with the Reflected Ceiling Plan (RCP).

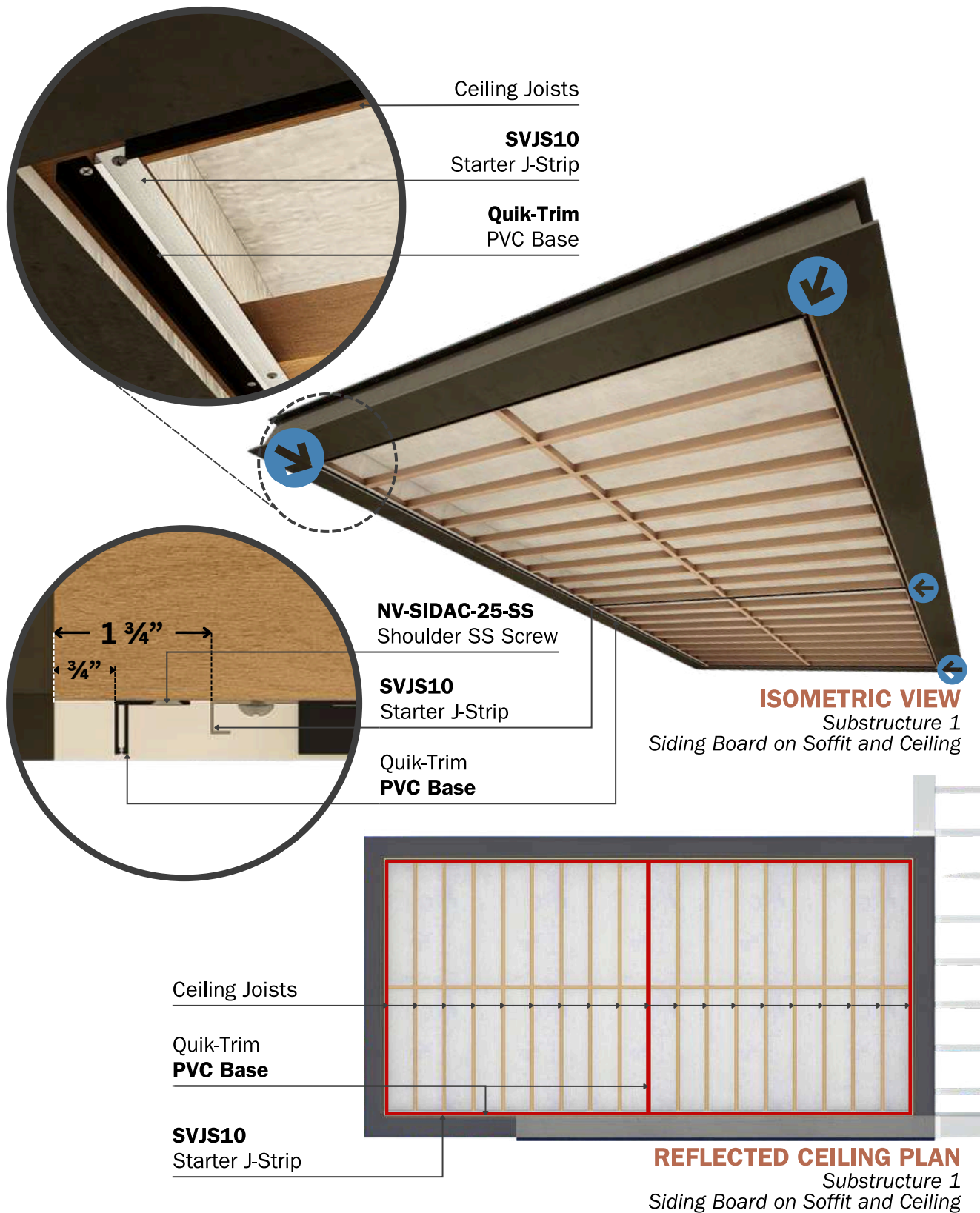


SECTION 4 - INSTALLATION OF SIDING BOARD
DIRECT ON CEILING JOISTS

SUBSTRUCTURE 1 - Direct on Ceiling Joists

STEP 4.3

The Quik-Trim PVC base should be installed on end ceiling joists and on both ends of all the ceiling joists, by screwing on the PVC base on its groove.

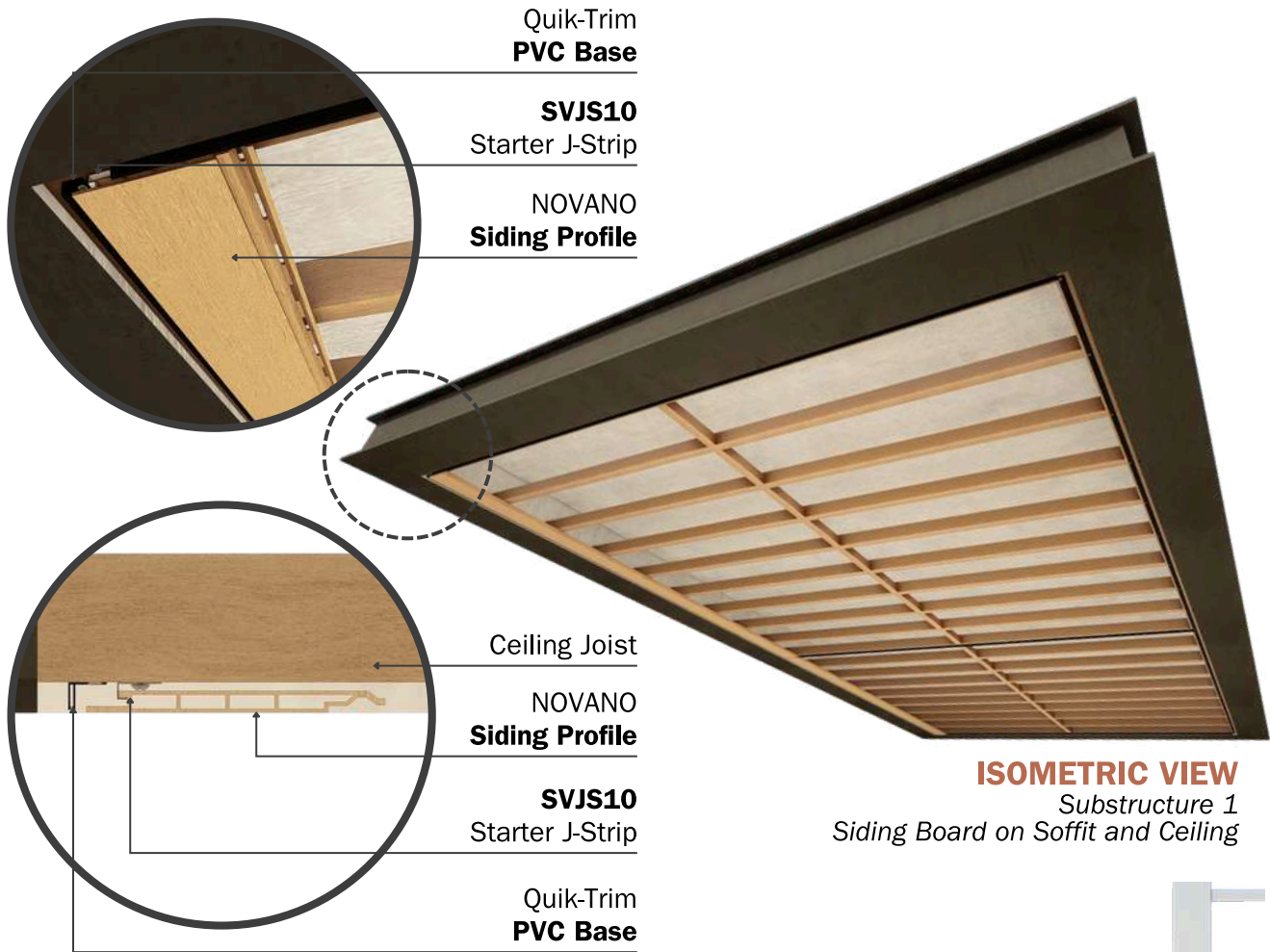


**SECTION 4 - INSTALLATION OF SIDING BOARD
DIRECT ON CEILING JOISTS**

SUBSTRUCTURE 1 - Direct on Ceiling Joists

STEP 4.4

Hook the groove end of the first Siding Board into the Starter J-Strip.



REFLECTED CEILING PLAN

Substructure 1
Siding Board on Soffit and Ceiling

SECTION 4 - INSTALLATION OF SIDING BOARD DIRECT ON CEILING JOISTS

SUBSTRUCTURE 1 - Direct on Ceiling Joists

STEP 4.4

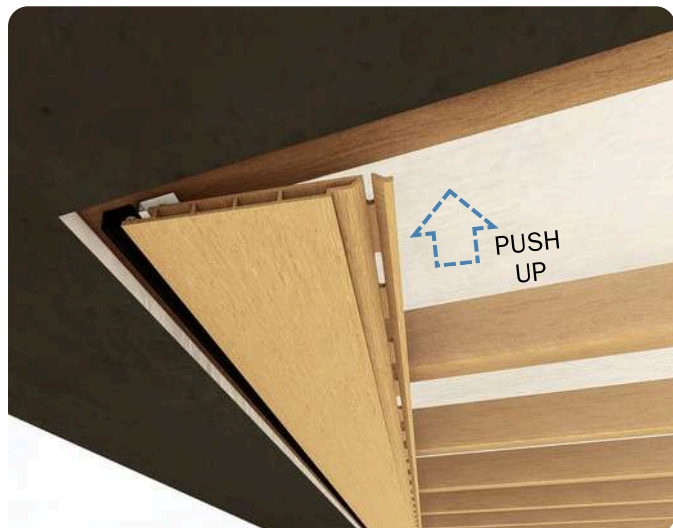
DETAIL 1

Slide down the first NOVANO Siding Board into the Siding Starter J-Strip.



DETAIL 2

Hook the groove end of the first NOVANO Siding Board into the Siding Starter J-Strip with Stainless Steel Screw.



DETAIL 3

Push the NOVANO Siding Board perpendicular into the ceiling joists and screw direct to the groove.



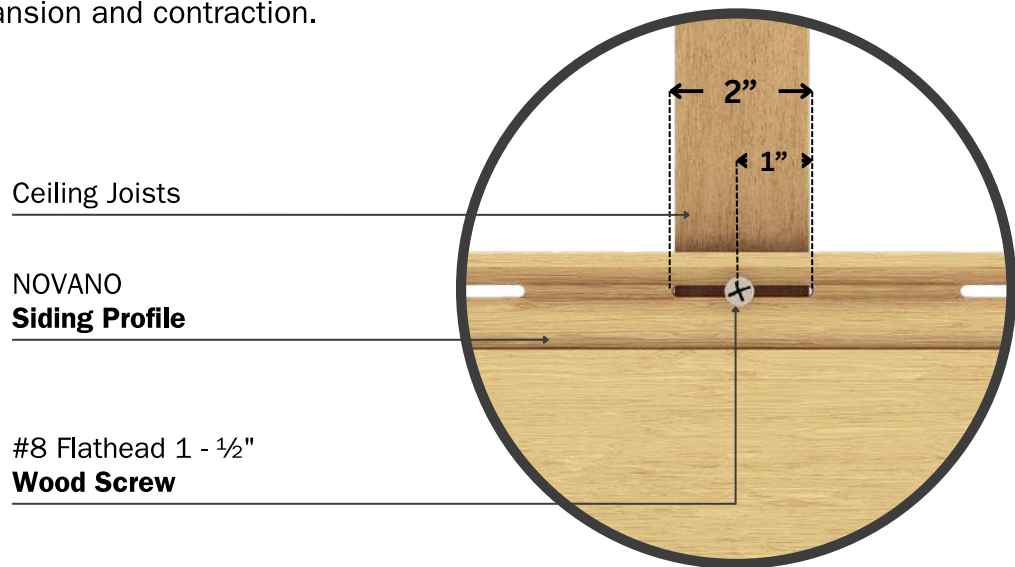
ISOMETRIC DETAILS
Substructure 1
Siding Board on Soffit and Ceiling

SECTION 4 - INSTALLATION OF SIDING BOARD DIRECT ON CEILING JOISTS

SUBSTRUCTURE 1 - Direct on Ceiling Joists

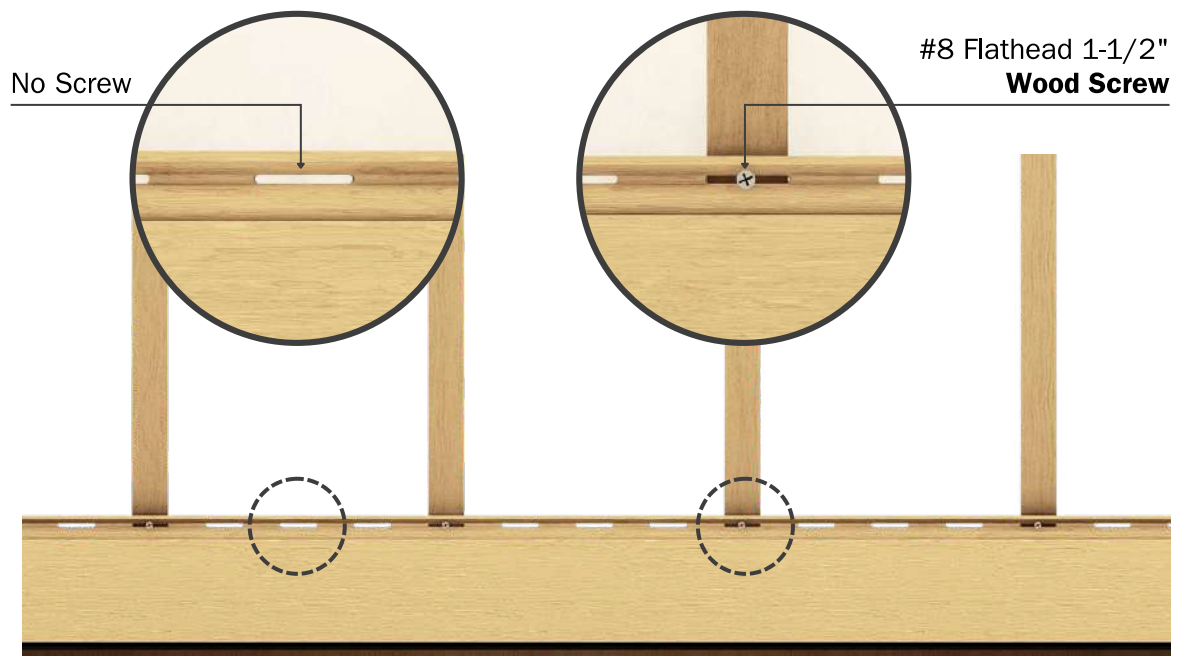
STEP 4.5

Install #8 Flathead 1 - 1/2" wood screw into all slotted holes except the center hole. DO NOT over tighten the screws. The screws should be placed in the center of the slotted hole and loose enough to allow the board to move freely from side to side to allow for expansion and contraction.



ISOMETRIC DETAIL

*Substructure 1
Siding Board on Soffit and Ceiling*



REFLECTED CEILING PLAN

*Substructure 1
Siding Board on Soffit and Ceiling*

NOTE:

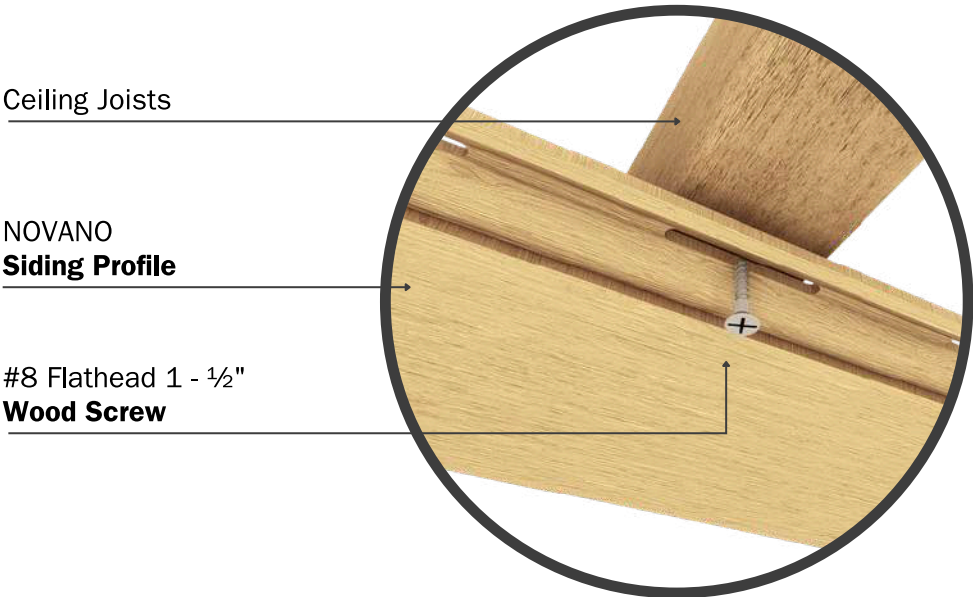
If installing more than one board in width, please refer to
Section 5 – Multi-Board Soffit and Ceiling Application Direct on Ceiling Joist

**SECTION 4 - INSTALLATION OF SIDING BOARD
DIRECT ON CEILING JOISTS**

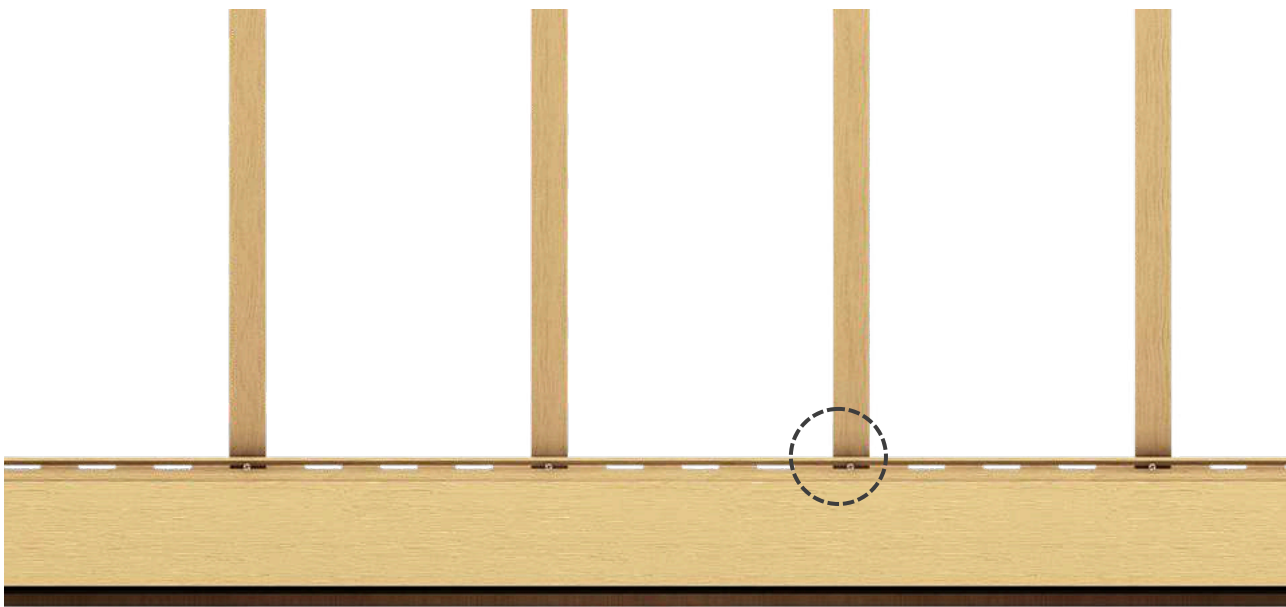
SUBSTRUCTURE 1 - Direct on Ceiling Joists

STEP 4.6

Install the final #8 Flathead 1 - 1/2" wood screw in the slotted hole in the center of the board. This will allow for expansion and contraction evenly to each side of the assembly.



ISOMETRIC DETAIL
*Substructure 1
Siding Board on Soffit and Ceiling*



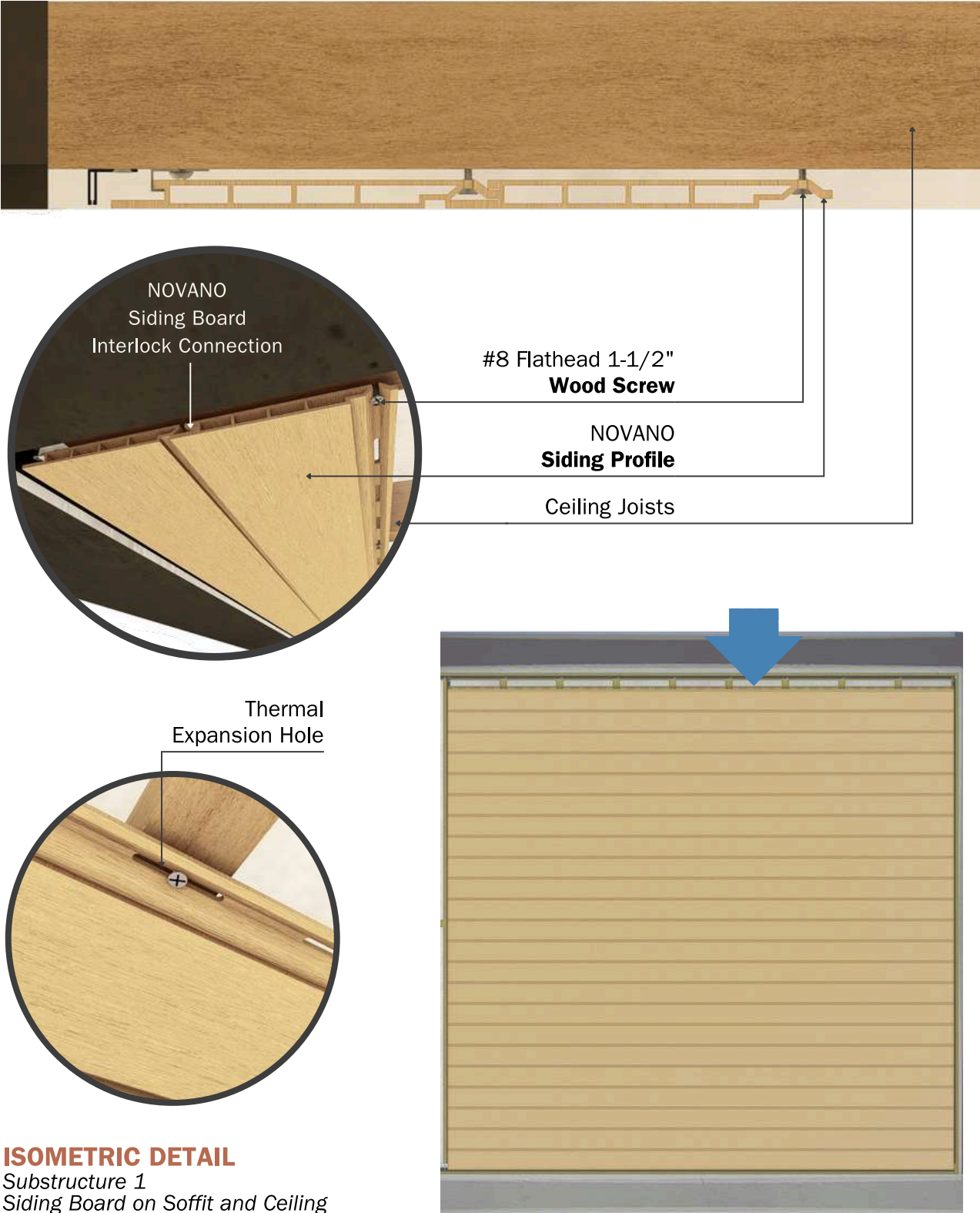
REFLECTED CEILING PLAN
*Substructure 1
Siding Board on Soffit and Ceiling*

**SECTION 4 - INSTALLATION OF SIDING BOARD
DIRECT ON CEILING JOISTS**

SUBSTRUCTURE 1 - Direct on Ceiling Joists

STEP 4.7

Hook the groove end of the next board onto the tongue of the installed Siding Board.

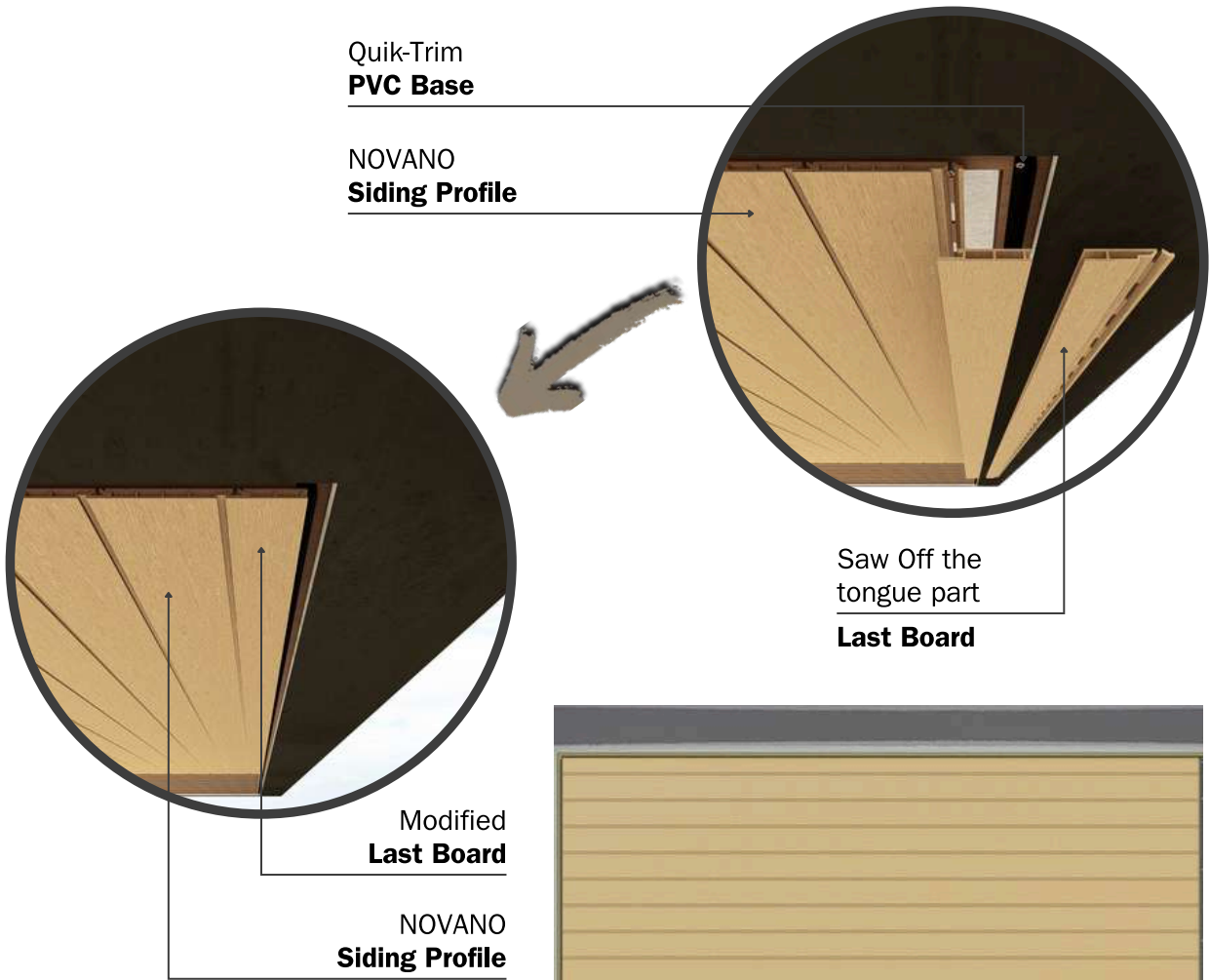


**SECTION 4 - INSTALLATION OF SIDING BOARD
DIRECT ON CEILING JOISTS**

SUBSTRUCTURE 1 - Direct on Ceiling Joists

STEP 4.8

Continue installing the Siding Boards as outlined in Section 4. Cut the last Siding Board into size to complete the siding.



ISOMETRIC DETAIL
Substructure 1
Siding Board on Soffit and Ceiling



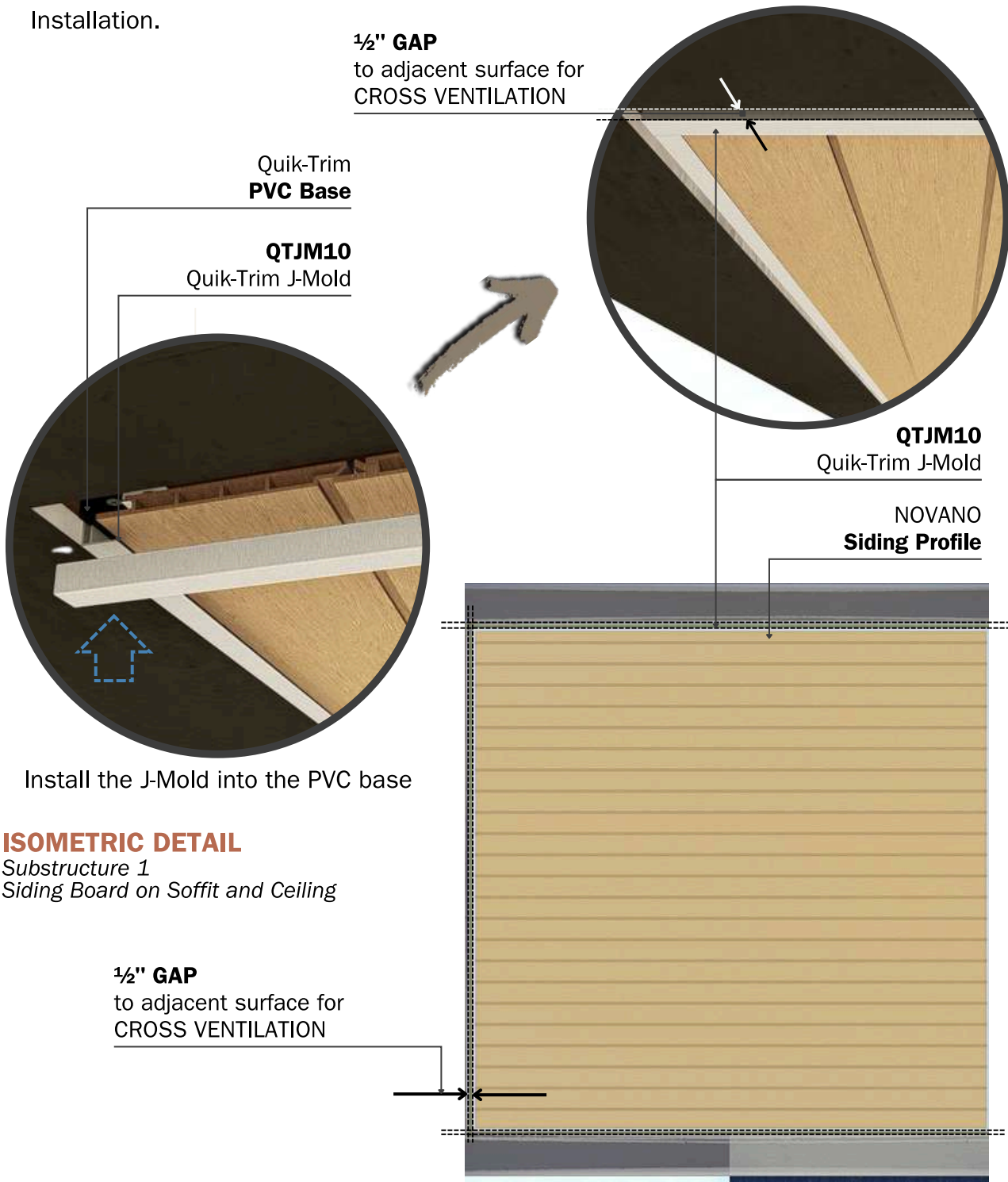
**SECTION 4 - INSTALLATION OF SIDING BOARD
DIRECT ON CEILING JOISTS**

SUBSTRUCTURE 1 - Direct on Ceiling Joists

STEP 4.9

After the installation of the last NOVANO Siding Board, the exposed siding edges will be finished by installing the Aluminum Quik-Trim.

Install the J-Mold into the PVC base on all the perimeter / sides of the Siding Installation.



Install the J-Mold into the PVC base

ISOMETRIC DETAIL

*Substructure 1
Siding Board on Soffit and Ceiling*

REFLECTED CEILING PLAN

*Substructure 1
Siding Board on Soffit and Ceiling*

SECTION 5 - MULTI-BOARD SOFFIT AND CEILING APPLICATIONS DIRECT ON CEILING JOISTS

2 Board Wide Installation WITHOUT the Aluminum Quik-Trim H-mold (24ft max width)

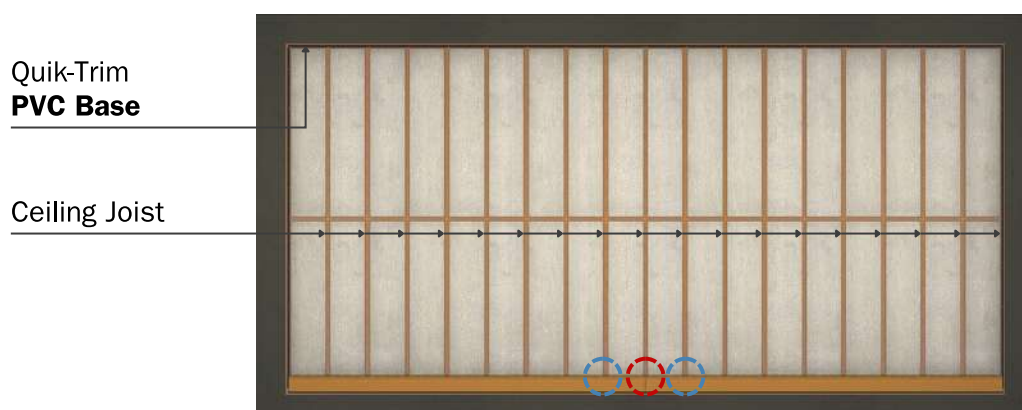
SUBSTRUCTURE 1 - Direct on Ceiling Joists

STEP 5.1.1

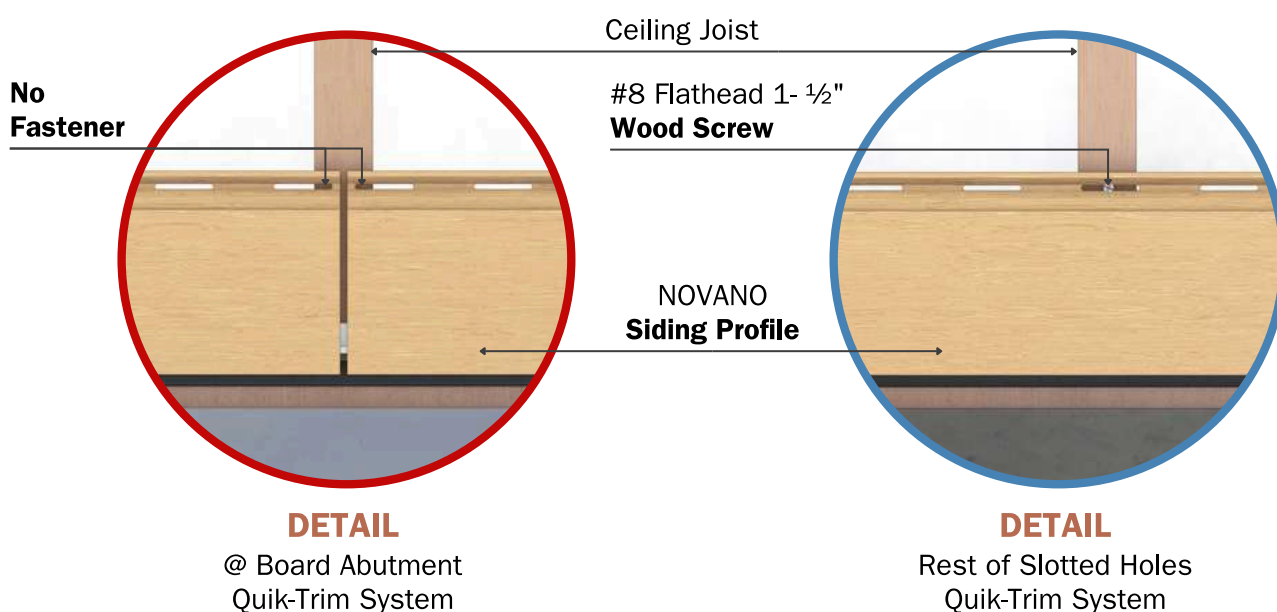
Follow **STEPS 4.1, 4.2 and 4.3** from Section 4 to install the finishing trim, Starter J-Strip, and hook in the 1st Siding Board.

STEP 5.1.2

Install #8 Flathead 1-1/2" wood screw into all slotted holes except the hole closest to the abutted joint on both Siding Boards. DO NOT over-tighten the screws. The screws should be placed in the center of the slotted hole and loose enough to allow the board to move freely from side to side to allow for expansion and contraction.



REFLECTED CEILING PLAN
Substructure 1
Siding Board on Soffit and Ceiling



ISOMETRIC DETAILS
Substructure 1
Siding Board on Soffit and Ceiling

SECTION 5 - MULTI-BOARD SOFFIT AND CEILING APPLICATIONS DIRECT ON CEILING JOISTS

2 Board Wide Installation WITHOUT the Aluminum Quik-Trim H-mold (24ft max width)

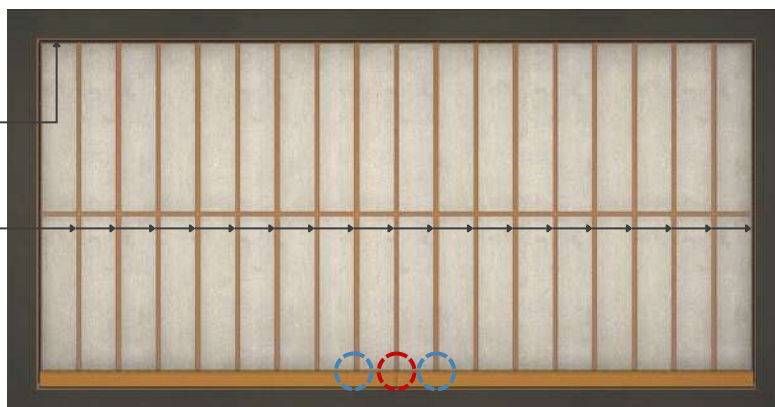
SUBSTRUCTURE 1 - Direct on Ceiling Joists

STEP 5.1.3

Install one #8 Flathead 1- 1/2" wood screw in the slotted hole closest to the abutted joint on both Siding Boards. This will control expansion and contraction evenly to the outside of the Siding Boards while keeping the abutting joint snug.

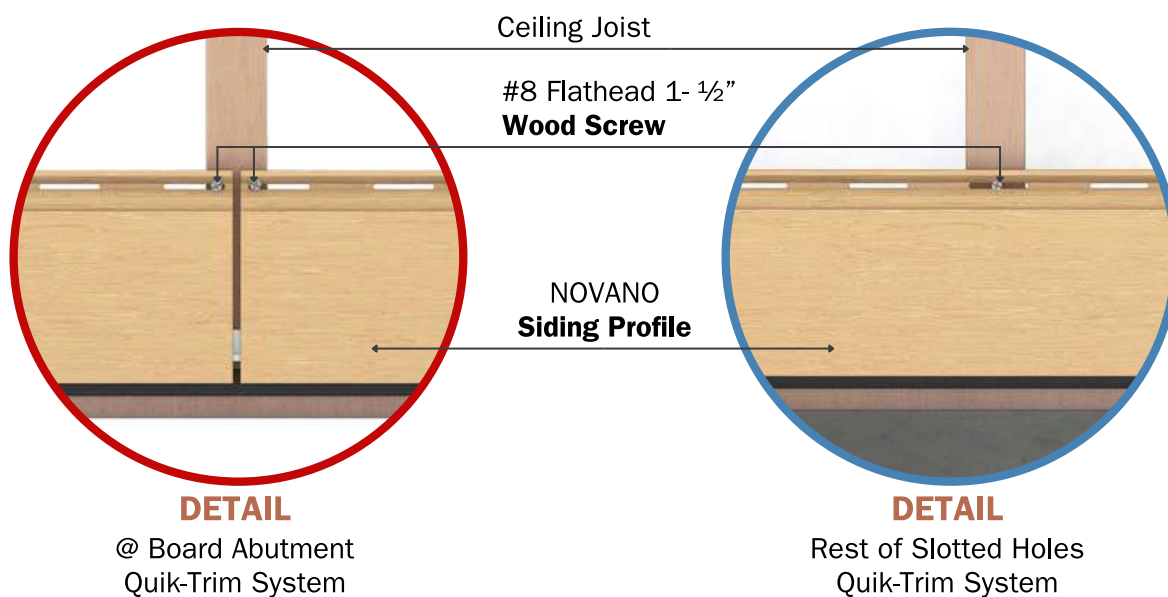
Quik-Trim
PVC Base

Ceiling Joist



REFLECTED CEILING PLAN

Substructure 1
Siding Board on Soffit and Ceiling



DETAIL

@ Board Abutment
Quik-Trim System

DETAIL

Rest of Slotted Holes
Quik-Trim System

ISOMETRIC DETAILS

Substructure 1
Siding Board on Soffit and Ceiling

STEP 5.1.4

Hook the groove end of the next board onto the tongue of the installed Siding Board.

STEP 5.1.5

Continue installing Siding Boards as outlined in Section 5: "Installation of Siding Board Direct on Ceiling Joists WITHOUT the Aluminum Quik-Trim H-mold" and follow **STEPS 4.8 and 4.9** in Section 4 to finish the installation.

SECTION 5 - MULTI-BOARD SOFFIT AND CEILING APPLICATIONS
DIRECT ON CEILING JOISTS

Multi-Board Wide Installation using Continuous Aluminum Quik-Trim H-mold

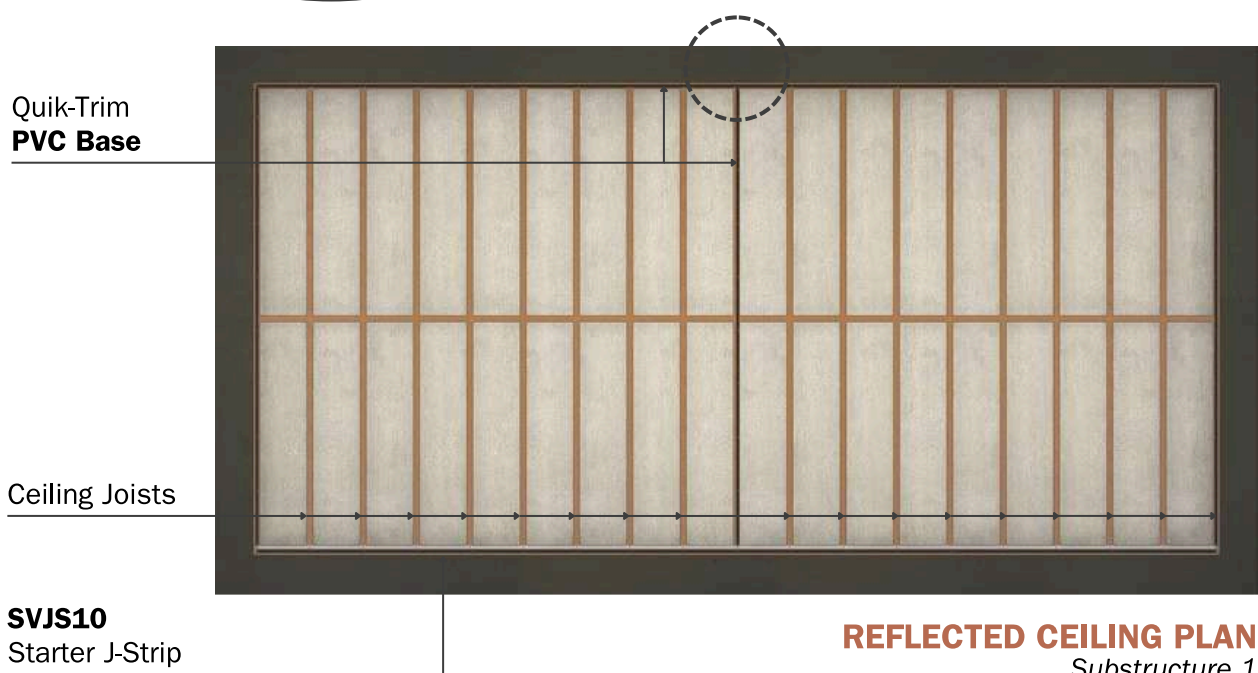
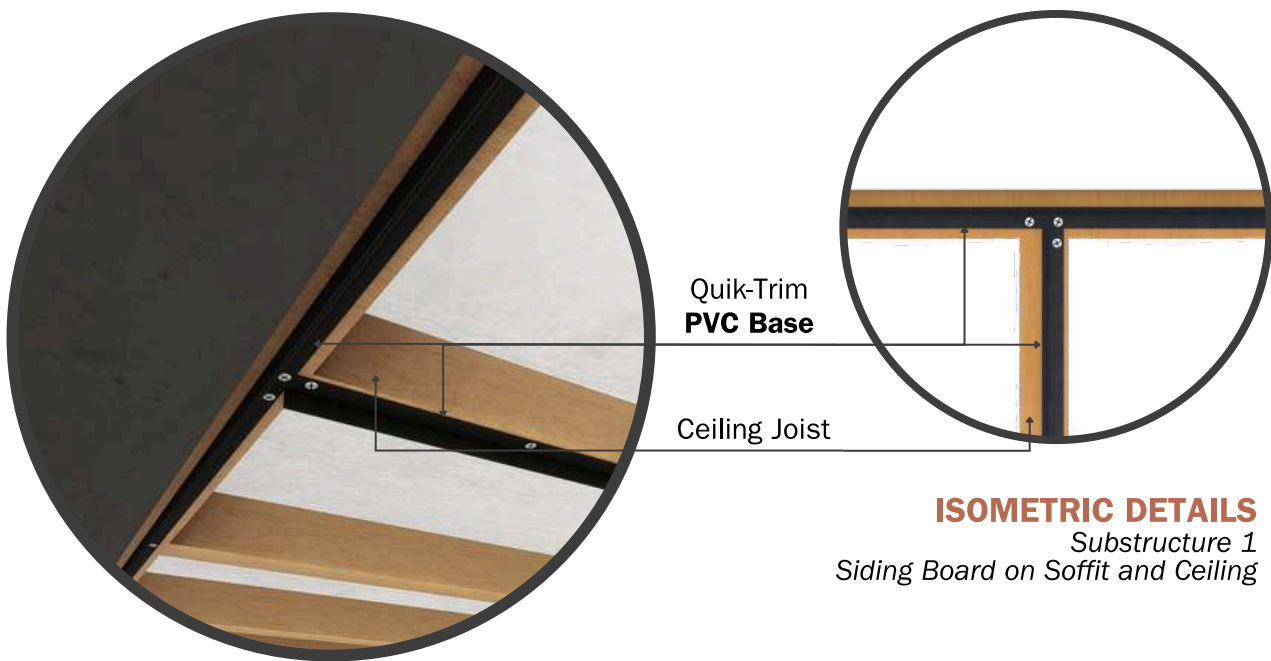
SUBSTRUCTURE 1 - Direct on Ceiling Joists

STEP 5.2.1

Follow **STEPS 4.1, 4.2 and 4.3** from Section 4 to install the finishing trims, Starter J-Strip.

STEP 5.2.2

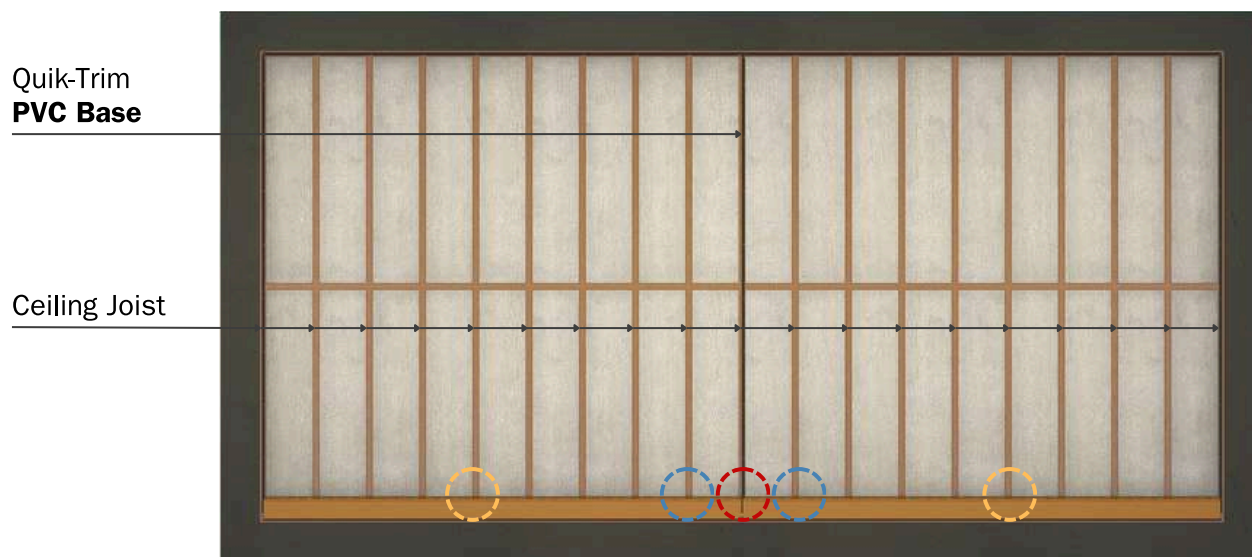
Install the Quik-Trim PVC base into the ceiling joist where the aluminum Quik-Trim H-Mold will be installed.



SECTION 5 - MULTI-BOARD SOFFIT AND CEILING APPLICATIONS DIRECT ON CEILING JOISTS

Multi-Board Wide Installation using Continuous Aluminum Quik-Trim H-mold

SUBSTRUCTURE 1 - Direct on Ceiling Joists



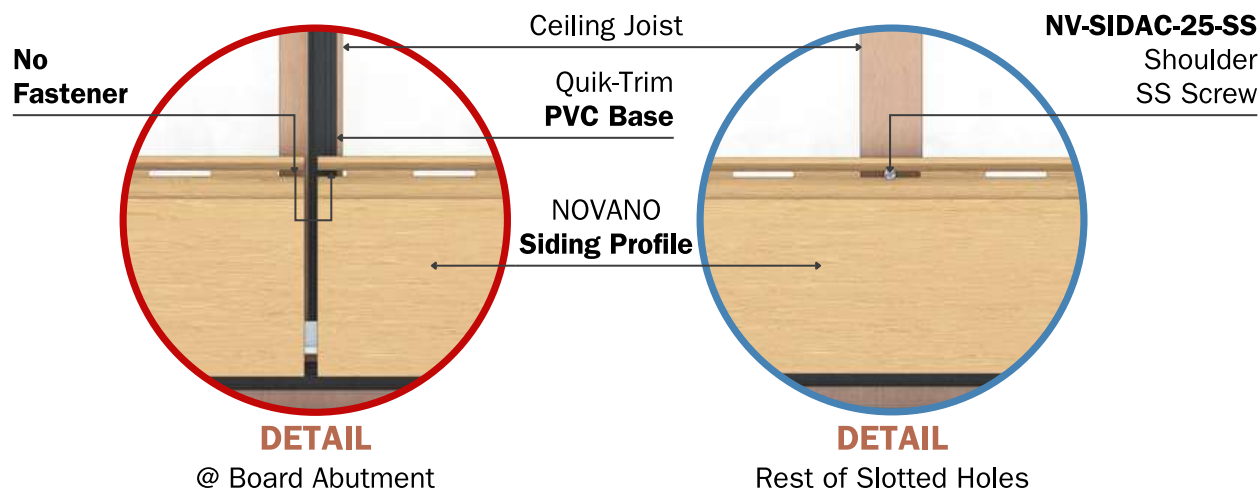
REFLECTED CEILING PLAN

Substructure 1

Siding Board on Soffit and Ceiling

STEP 5.2.3

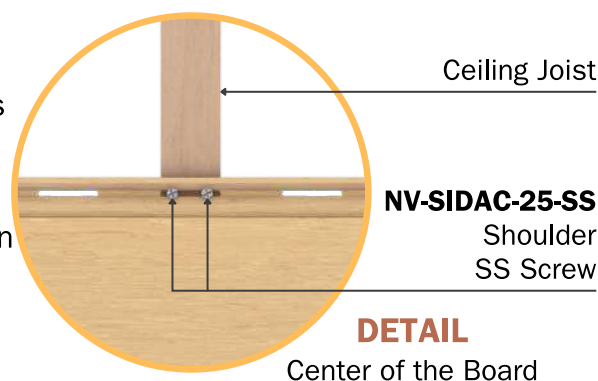
Follow **STEPS 4.4, 4.5 and 4.6** of Section 4 and install NV-SIDAC-25-SS screws or #8 screws into all slotted holes except the center hole. DO NOT over-tighten the screws. The screws should be placed in the center of the slotted hole and loose enough to allow the board to move freely from side to side to allow for expansion and contraction.



STEP 5.2.4

Install the final two NV-SIDAC-25-SS screws closest to the ends in the slotted hole in the center of the board.

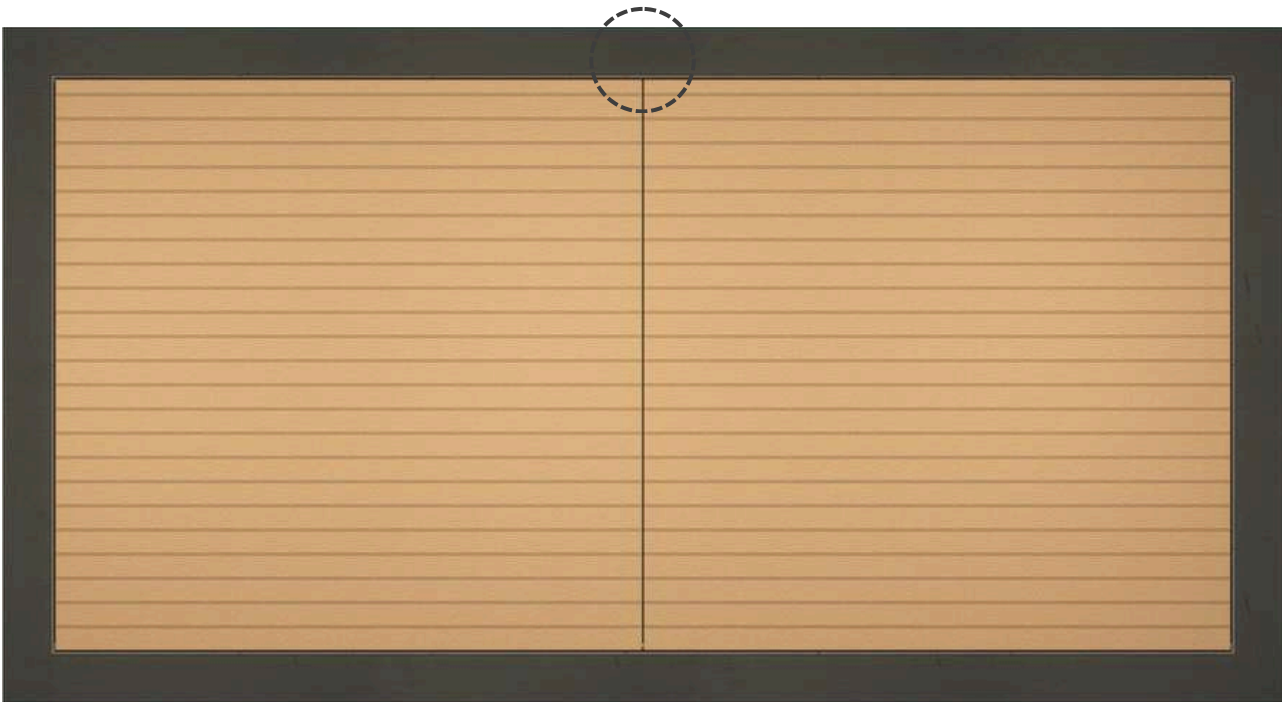
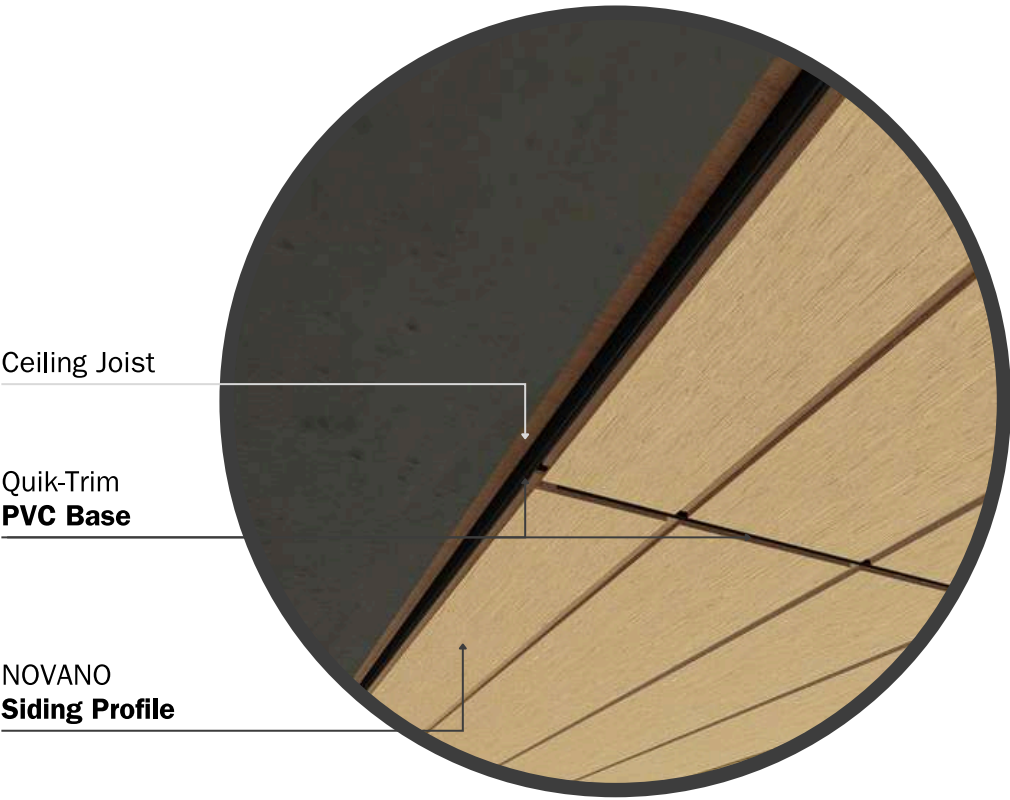
This will allow for expansion and contraction evenly to each side of the assembly.



SECTION 5 - MULTI-BOARD SOFFIT AND CEILING APPLICATIONS
DIRECT ON CEILING JOISTS

Multi-Board Wide Installation using Continuous Aluminum Quik-Trim H-mold

SUBSTRUCTURE 1 - Direct on Ceiling Joists



REFLECTED CEILING PLAN

Substructure 1
Siding Board on Soffit and Ceiling

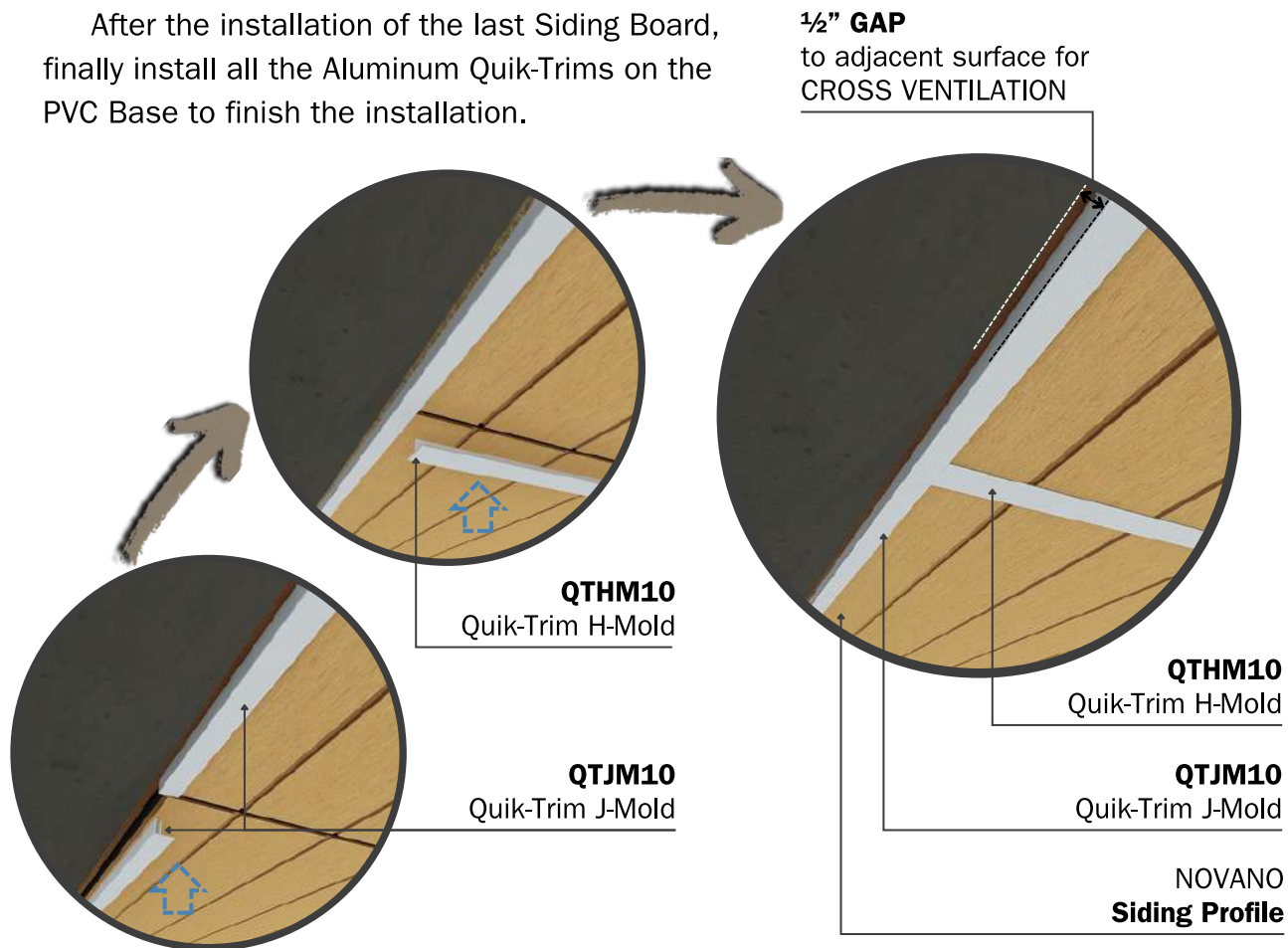
SECTION 5 - MULTI-BOARD SOFFIT AND CEILING APPLICATIONS DIRECT ON CEILING JOISTS

Multi-Board Wide Installation using Continuous Aluminum Quik-Trim H-mold

SUBSTRUCTURE 1 - Direct on Ceiling Joists

STEP 5.2.5

After the installation of the last Siding Board, finally install all the Aluminum Quik-Trims on the PVC Base to finish the installation.



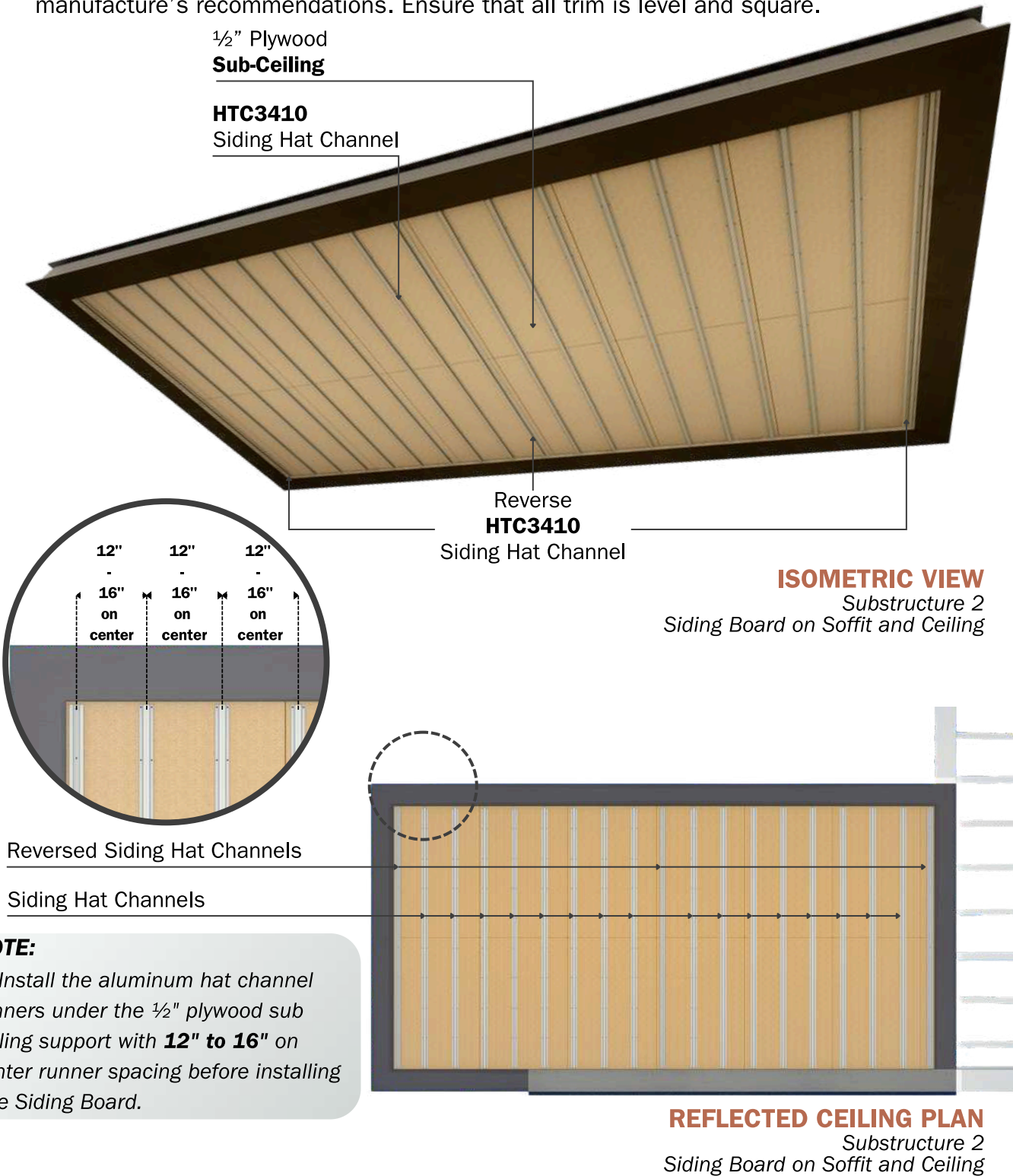
REFLECTED CEILING PLAN
Substructure 1
Siding Board on Soffit and Ceiling

**SECTION 6 - INSTALLATION OF SIDING BOARD
ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD**

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

STEP 6.1

Install the Aluminum Hat Channel Runners under the substructure plywood, following the recommended runner spacing of 12" to 16" center to center of runners. Pre apply all finishing trim accessories such as trim after the installation of the runners around the corners, skylights, and other pre plan layout ceiling components and following the manufacture's recommendations. Ensure that all trim is level and square.

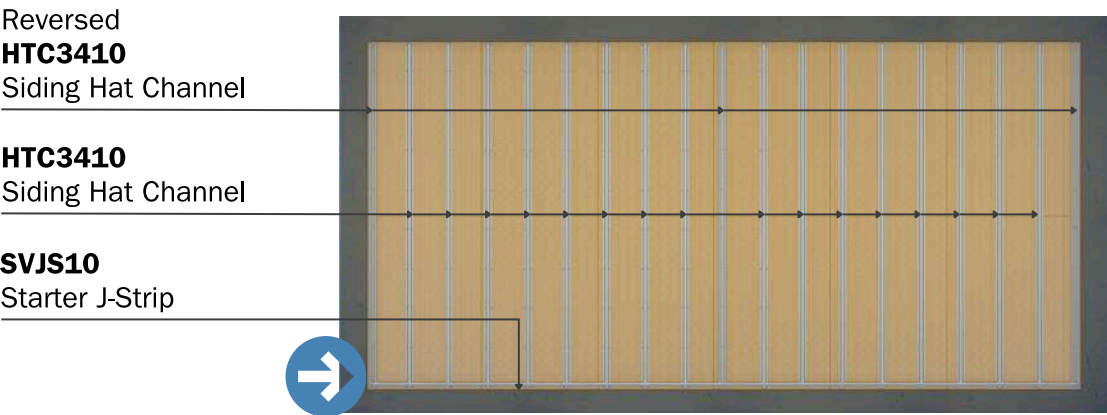
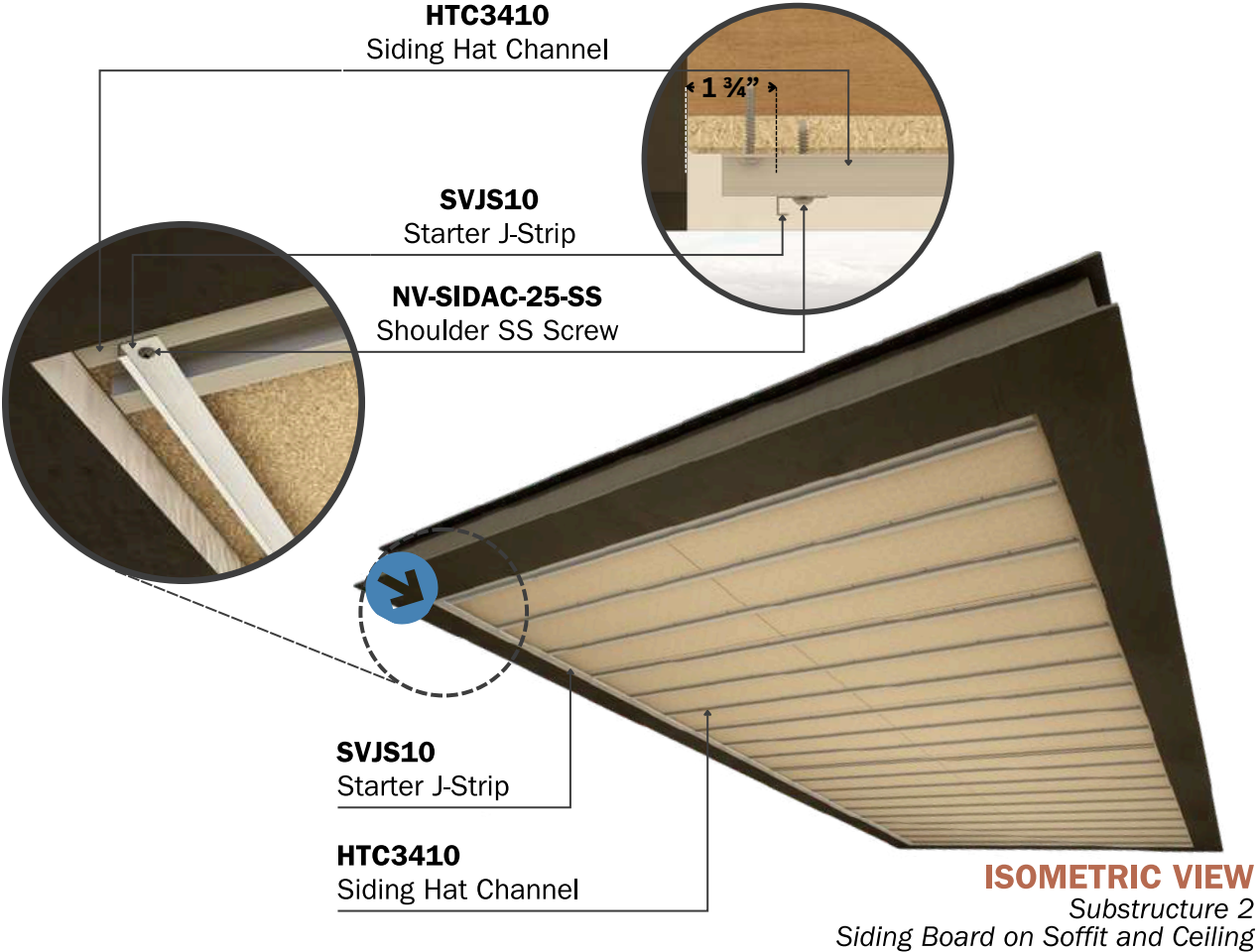


SECTION 6 - INSTALLATION OF SIDING BOARD
ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

STEP 6.2

Attach the Starter J-Strip at the ends of the battens following the fastener and spacing recommendations in Section 2. The Aluminum Starter Strip is required to install the NOVANO Siding Board on the soffit. The NOVANO Siding Boards on the soffit will have a space of 1/2" from the Quik-Trim J-Mold to the wall therefore the Starter Strip should be attached 1 3/4" from the wall in accordance with the Reflected Ceiling Plan (RCP).

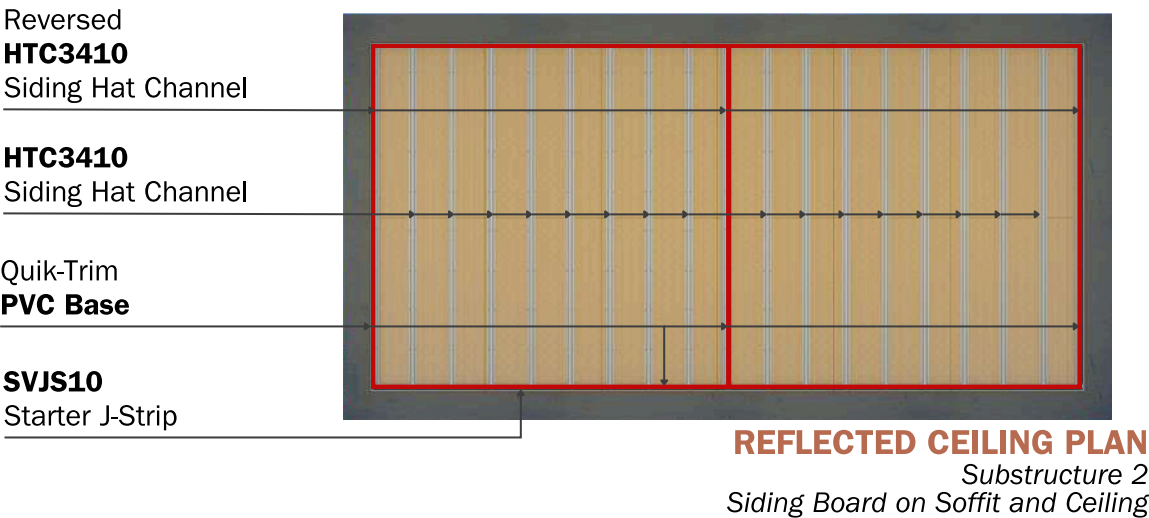
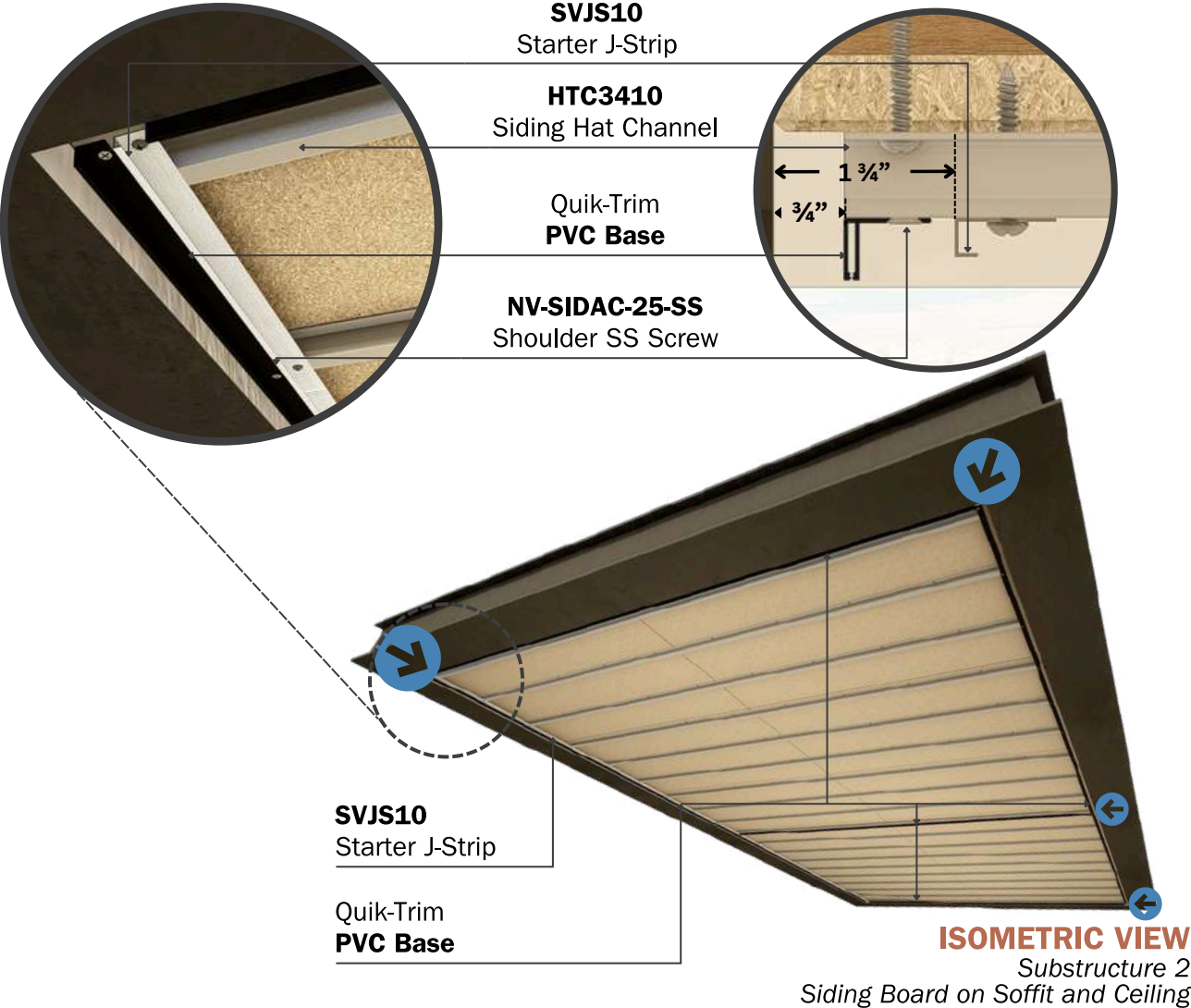


SECTION 6 - INSTALLATION OF SIDING BOARD
ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

STEP 6.3

The Quik-Trim PVC base should be installed on end ceiling joists and on both ends of all the ceiling joists, by screwing on the PVC base on its groove.

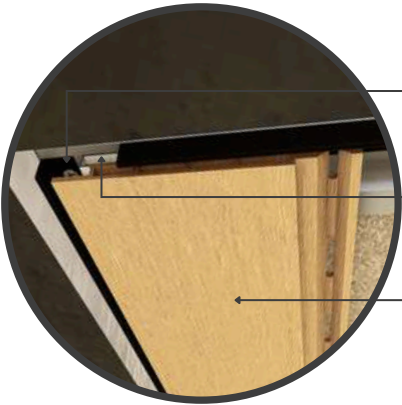


**SECTION 6 - INSTALLATION OF SIDING BOARD
ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD**

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

STEP 6.4

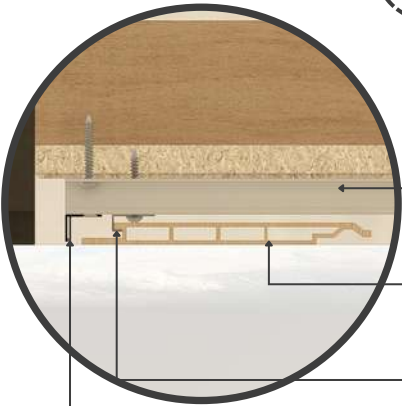
Hook the groove end of the first Siding Board into the Starter J Strip.



Quik-Trim
PVC Base

SVJS10
Starter J-Strip

NOVANO
Siding Profile



HTC3410
Siding Hat Channel

NOVANO
Siding Profile

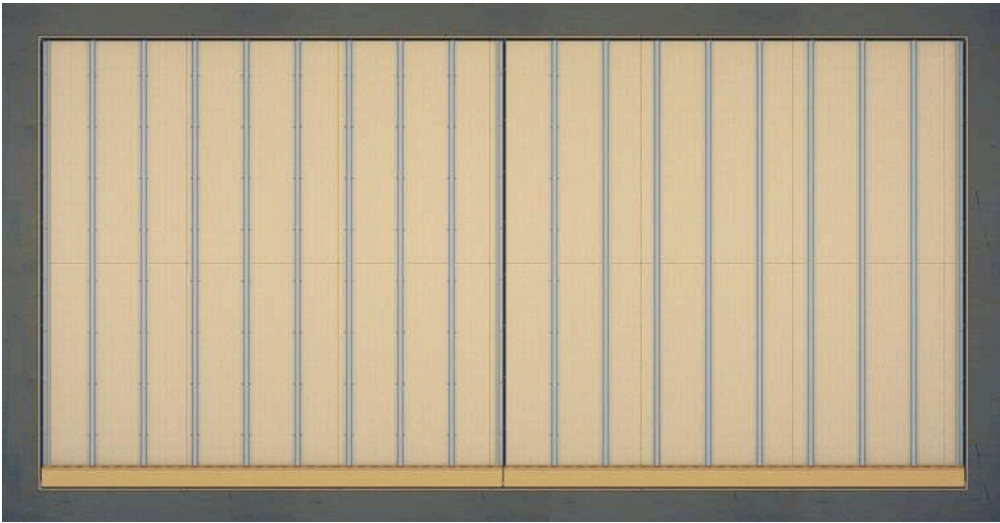
SVJS10
Starter J-Strip

Quik-Trim
PVC Base



ISOMETRIC VIEW

*Substructure 2
Siding Board on Soffit and Ceiling*



REFLECTED CEILING PLAN

*Substructure 2
Siding Board on Soffit and Ceiling*

SECTION 6 - INSTALLATION OF SIDING BOARD ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

STEP 6.4

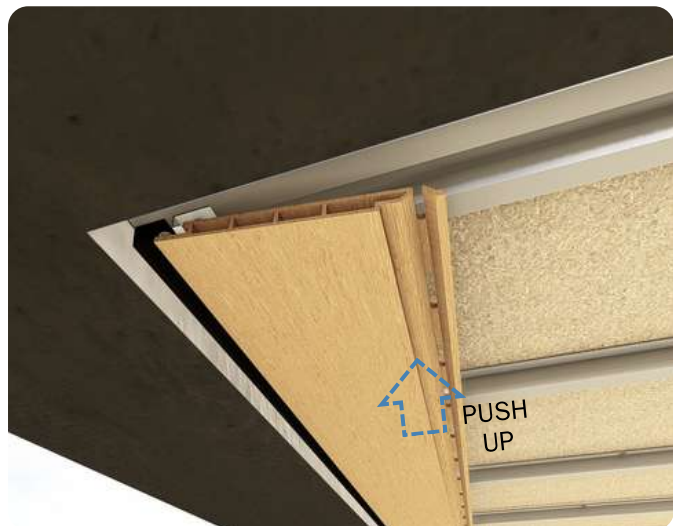
DETAIL 1

Slide down the first NOVANO Siding Board into the Siding Starter J-Strip.



DETAIL 2

Hook the groove end of the first NOVANO Siding Board into the Siding Starter J-Strip with Stainless Steel Screw.



DETAIL 3

Push the NOVANO Siding Board perpendicular into the ceiling joists and screw direct to the groove.



ISOMETRIC DETAILS
Substructure 2
Siding Board on Soffit and Ceiling

**SECTION 6 - INSTALLATION OF SIDING BOARD
ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD**

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

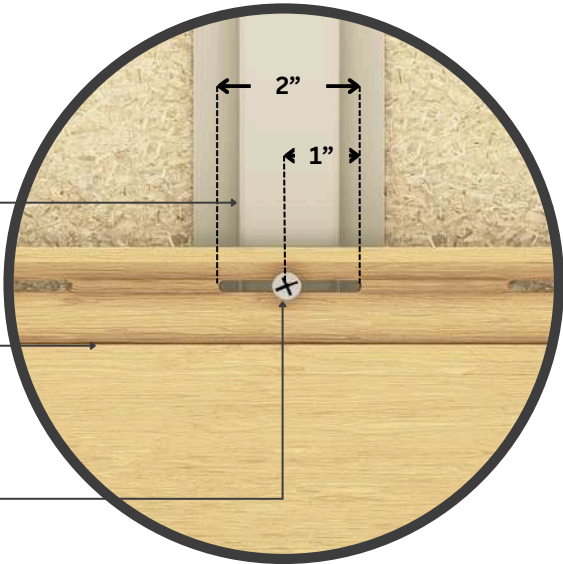
STEP 6.5

Install Shoulder SS Screws NV-SIDAC-25-SS into all slotted holes except the center hole. DO NOT over tighten the screws. The screws should be placed in the center of the slotted hole and loose enough to allow the board to move freely from side to side to allow for expansion and contraction.

HTC3410
Siding Hat Channel

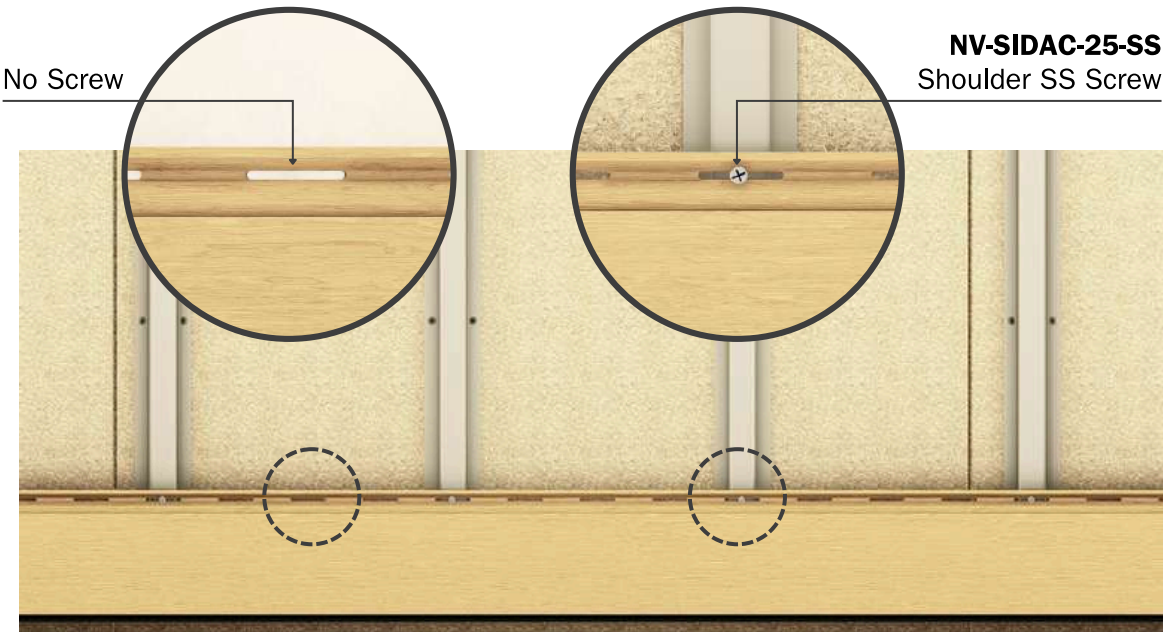
NOVANO
Siding Profile

NV-SIDAC-25-SS
Shoulder SS Screw



ISOMETRIC DETAIL

*Substructure 2
Siding Board on Soffit and Ceiling*



NV-SIDAC-25-SS
Shoulder SS Screw

REFLECTED CEILING PLAN

*Substructure 2
Siding Board on Soffit and Ceiling*

NOTE:

If installing more than one board in width, please refer to
**Section 7 – Multi-Board Soffit and Ceiling Application into NOVANO Runners
Under Substructure Plywood**

**SECTION 6 - INSTALLATION OF SIDING BOARD
ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD**

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

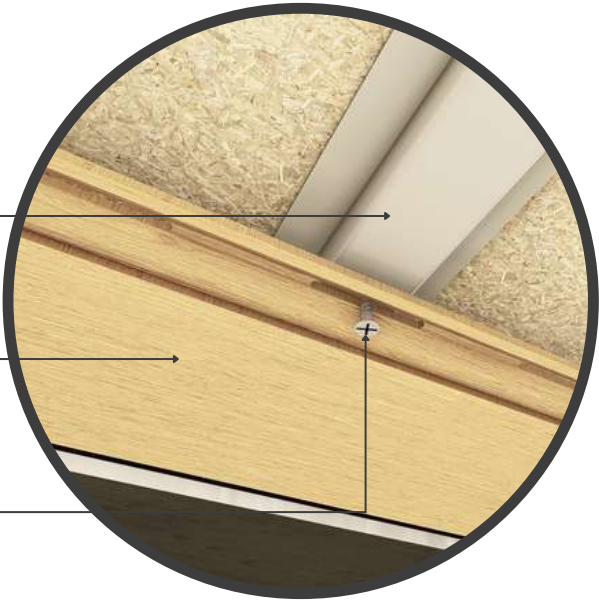
STEP 6.6

Install the final Shoulder SS Screws NV-SIDAC-25-SS in the slotted hole in the center of the board. This will allow for expansion and contraction evenly to each side of the assembly.

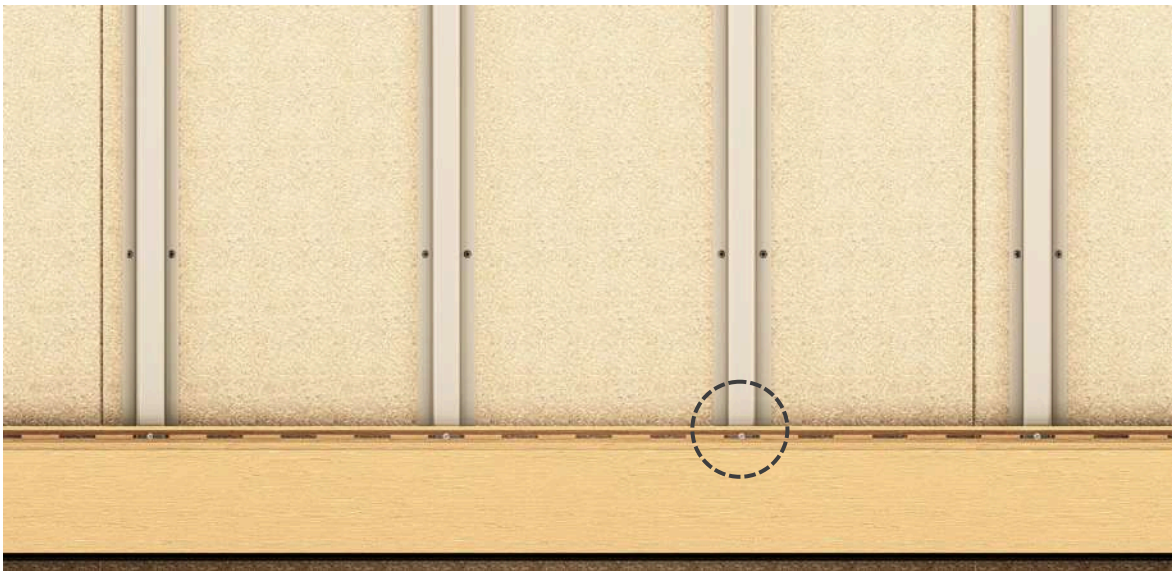
HTC3410
Siding Hat Channel

NOVANO
Siding Profile

NV-SIDAC-25-SS
Shoulder SS Screw



ISOMETRIC DETAIL
*Substructure 2
Siding Board on Soffit and Ceiling*



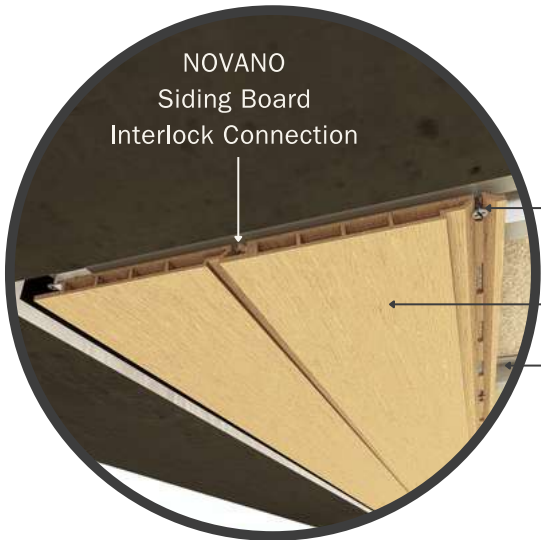
REFLECTED CEILING PLAN
*Substructure 2
Siding Board on Soffit and Ceiling*

**SECTION 6 - INSTALLATION OF SIDING BOARD
ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD**

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

STEP 6.7

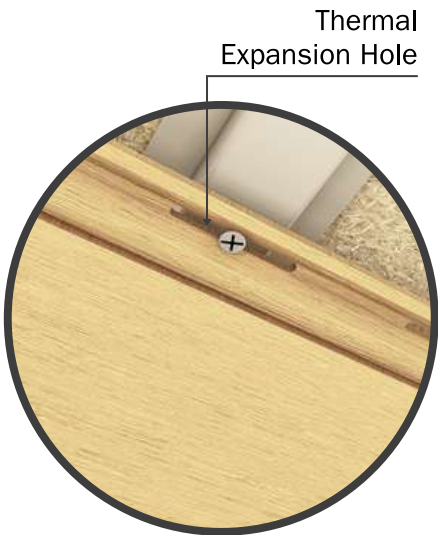
Hook the groove end of the next board onto the tongue of the installed Siding Board.



NV-SIDAC-25-SS
Shoulder SS Screw

NOVANO
Siding Profile

Ceiling Joists



ISOMETRIC DETAIL

Substructure 2
Siding Board on Soffit and Ceiling

REFLECTED CEILING PLAN

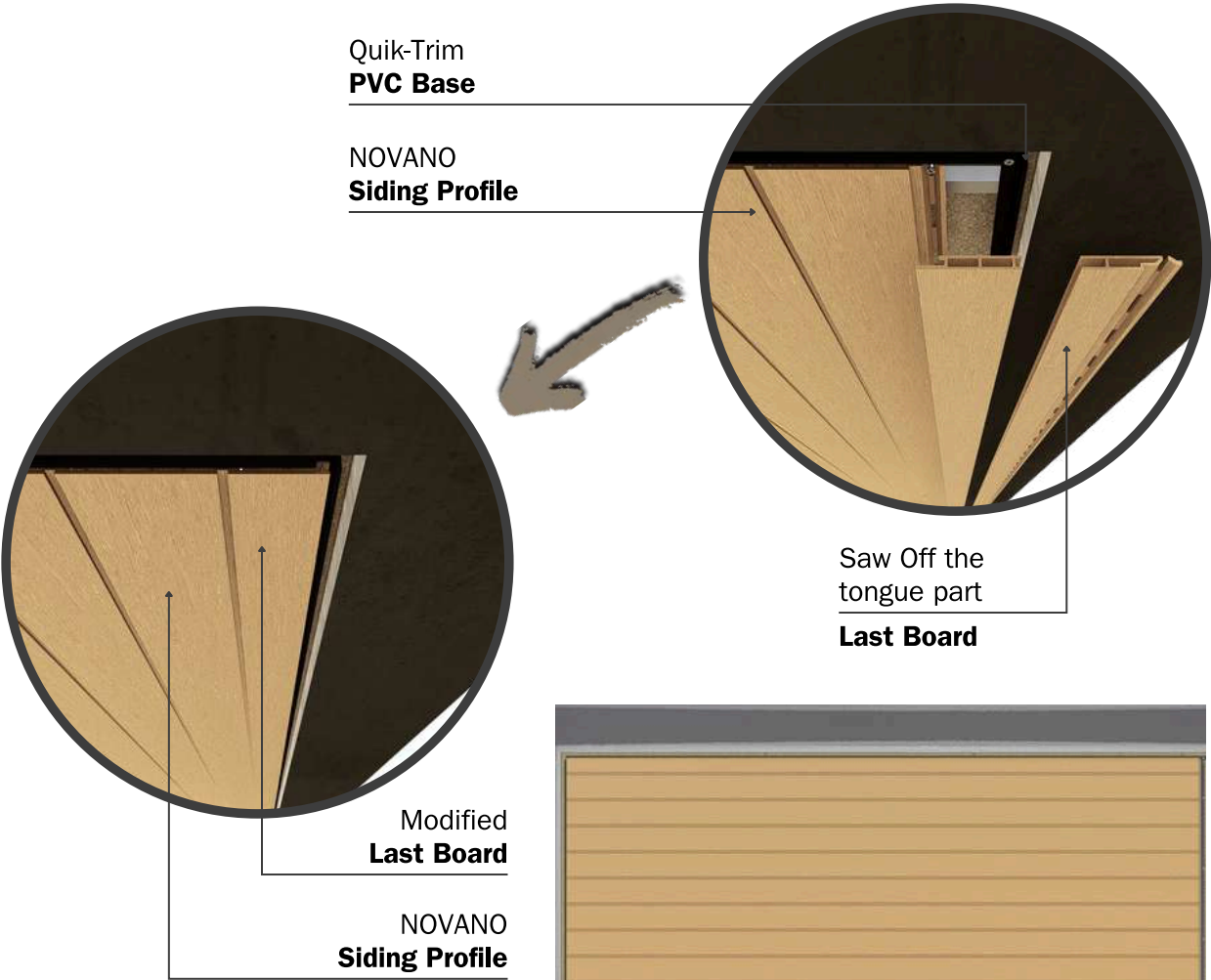
Substructure 2
Siding Board on Soffit and Ceiling

**SECTION 6 - INSTALLATION OF SIDING BOARD
ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD**

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

STEP 6.8

Continue installing the Siding Boards as outlined in Section 6. Cut the last Siding Board into size to complete the siding.



ISOMETRIC DETAIL
*Substructure 2
Siding Board on Soffit and Ceiling*



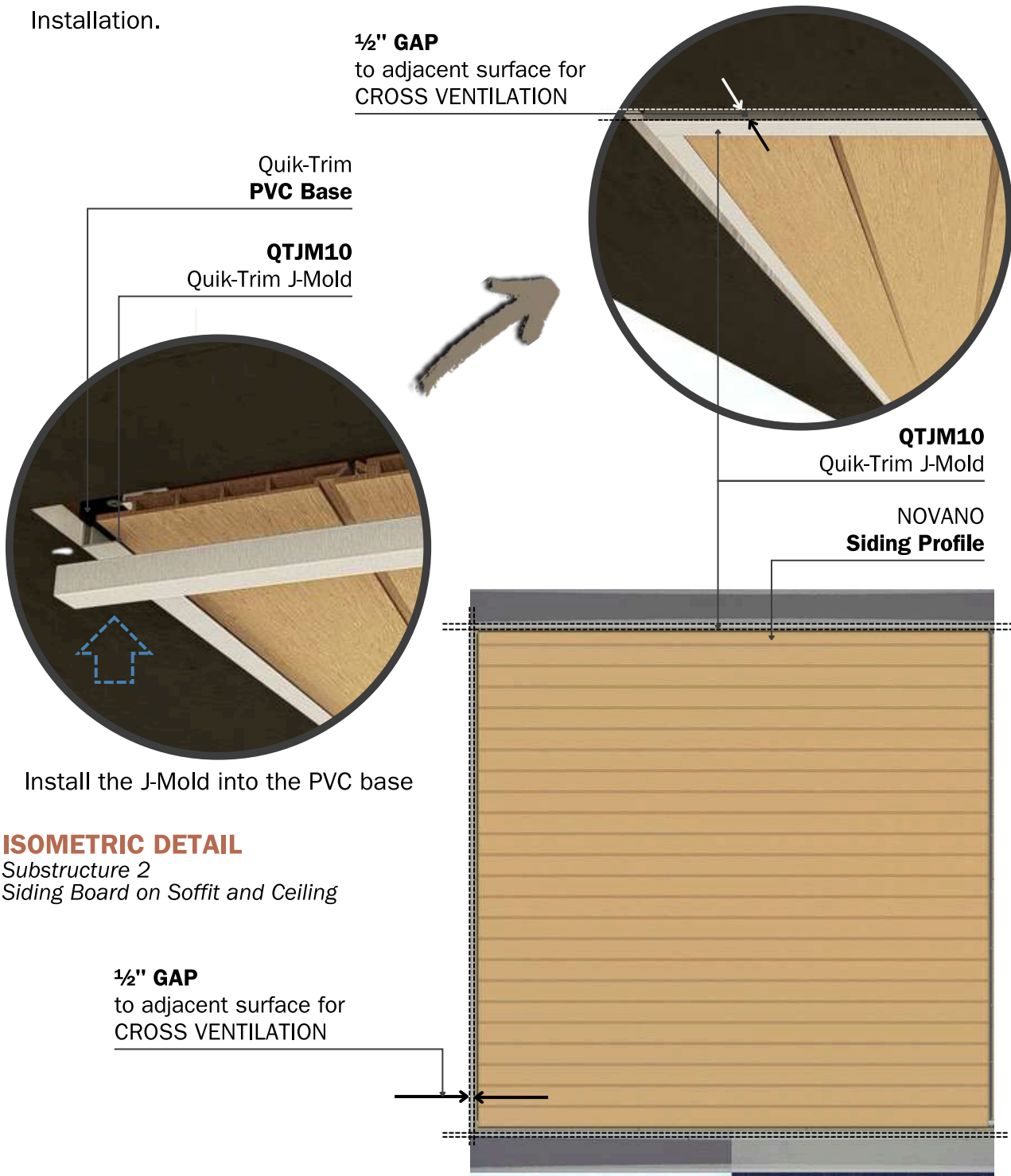
**SECTION 6 - INSTALLATION OF SIDING BOARD
ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD**

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

STEP 6.9

After the installation of the last NOVANO Siding Board, the exposed siding edges will be finished by installing the Aluminum Quik-Trim.

Install the J-Mold into the PVC base on all the perimeter / sides of the Siding Installation.



Install the J-Mold into the PVC base

ISOMETRIC DETAIL

*Substructure 2
Siding Board on Soffit and Ceiling*

1/2" GAP
to adjacent surface for
CROSS VENTILATION

REFLECTED CEILING PLAN

*Substructure 2
Siding Board on Soffit and Ceiling*

**SECTION 7 - MULTI-BOARD SOFFIT AND CEILING APPLICATIONS
ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD**

2 Board Wide Installation WITHOUT the Aluminum Quik-Trim H-mold (24ft max width)

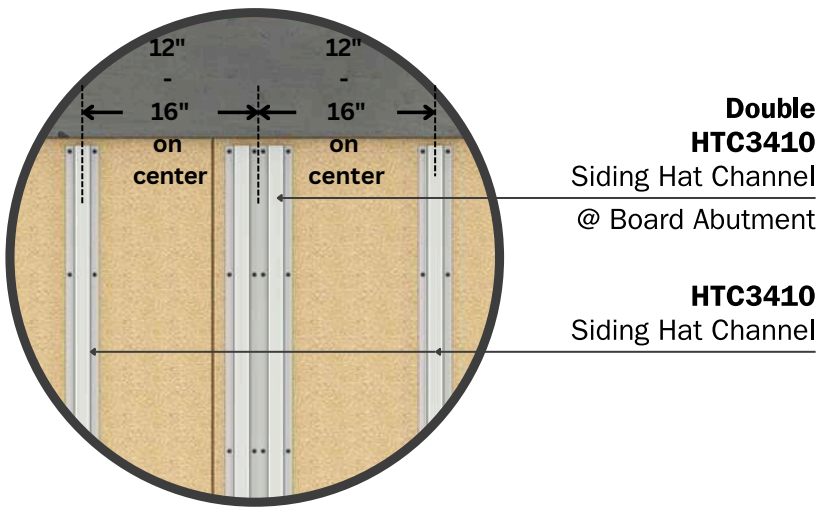
SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

STEP 7.1.1

Ensure that two battens have been installed horizontally where boards are to be installed end to end.

STEP 7.1.2

Follow **STEPS 6.1, 6.2** and **6.3** from Section 6 to install the finishing trim, Starter J-Strip, and hook in the 1st Siding Board.



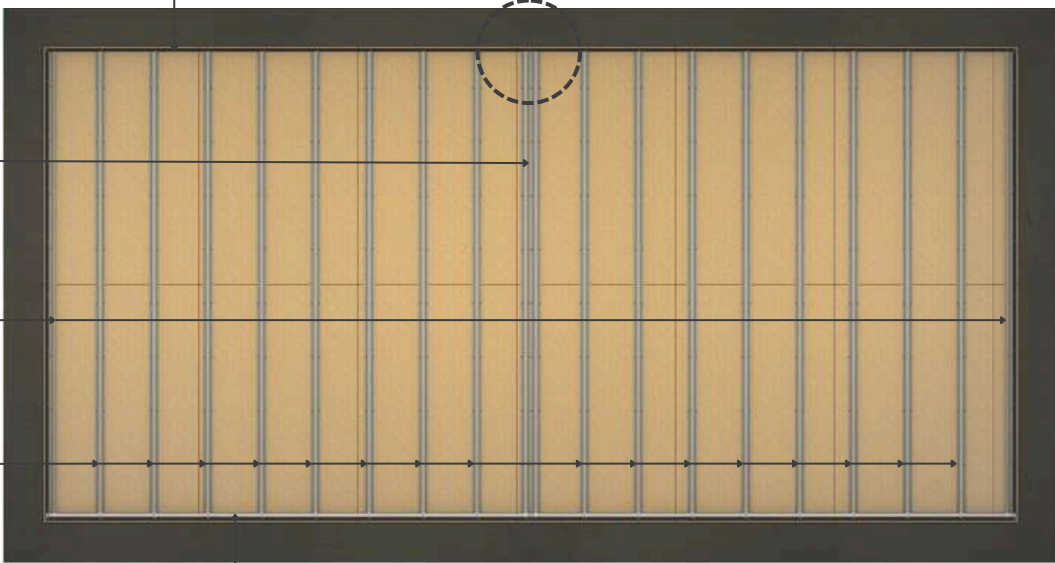
Quik-Trim
PVC Base

**Double
HTC3410**
Siding Hat Channel

Reversed
HTC3410
Siding Hat Channel

HTC3410
Siding Hat Channel

SVJS10
Starter J-Strip



REFLECTED CEILING PLAN
*Substructure 2
Siding Board on Soffit and Ceiling*

**SECTION 7 - MULTI-BOARD SOFFIT AND CEILING APPLICATIONS
ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD**

2 Board Wide Installation WITHOUT the Aluminum Quik-Trim H-mold (24ft max width)

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

STEP 7.1.3

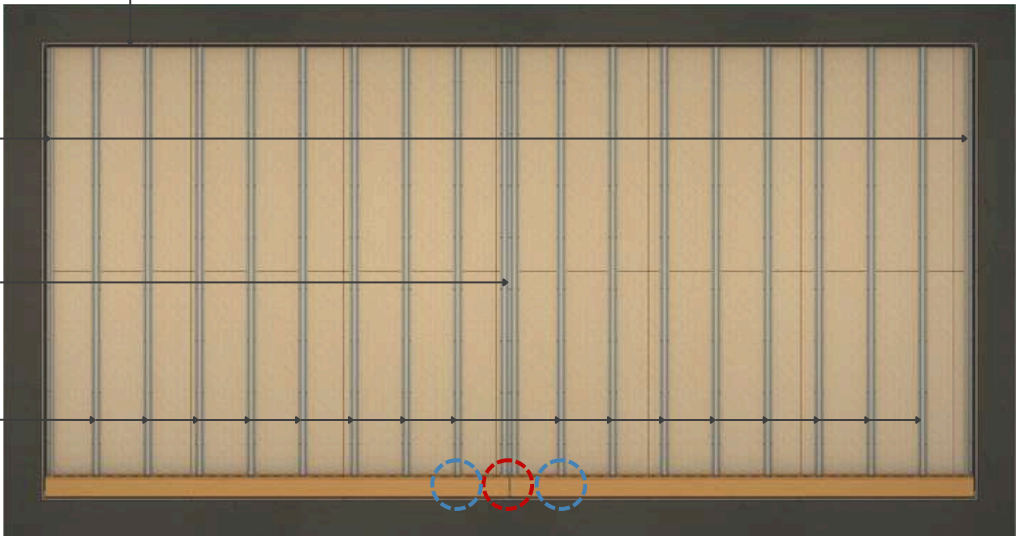
Install NV-SIDAC-25-SS screws into all slotted holes except the hole closest to the abutted joint on both Siding Boards. DO NOT over-tighten the screws. The screws should be placed in the center of the slotted hole and loose enough to allow the board to move freely from side to side to allow for expansion and contraction.

Quik-Trim
PVC Base

Reversed
HTC3410
Siding Hat Channel

Double
HTC3410
Siding Hat Channel

HT34C10
Siding Hat Channel

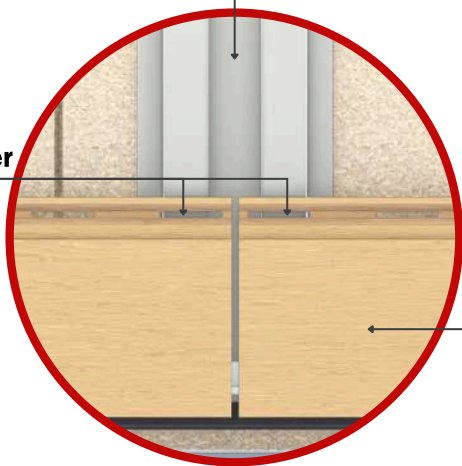


REFLECTED CEILING PLAN

*Substructure 2
Siding Board on Soffit and Ceiling*

Double
HTC3410
Siding Hat Channel

**No
Fastener**



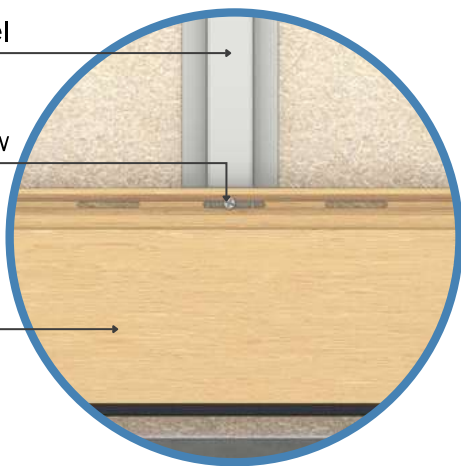
DETAIL

*@ Board Abutment
Quik-Trim System*

HT34C10
Siding Hat Channel

NV-SIDAC-25-SS
Shoulder SS Screw

NOVANO
Siding Profile



DETAIL

*Rest of Slotted Holes
Quik-Trim System*

ISOMETRIC DETAILS

*Substructure 2
Siding Board on Soffit and Ceiling*

SECTION 7 - MULTI-BOARD SOFFIT AND CEILING APPLICATIONS ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD

2 Board Wide Installation WITHOUT the Aluminum Quik-Trim H-mold (24ft max width)

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

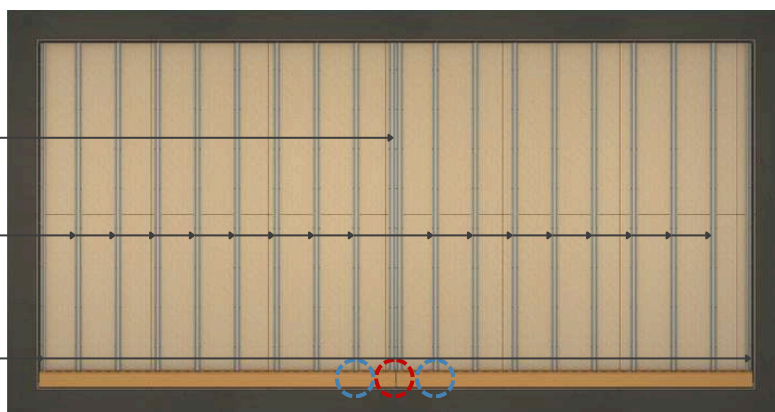
STEP 7.1.4

Install one NV-SIDAC-25-SS screw in the slotted hole closest to the abutted joint on both Siding Boards. This will control expansion and contraction evenly to the outside of the Siding Boards while keeping the abutting joint snug.

**Double
HTC3410**
Siding Hat Channel

HT34C10
Siding Hat Channel

Reversed
HTC3410
Siding Hat Channel



REFLECTED CEILING PLAN

*Substructure 2
Siding Board on Soffit and Ceiling*

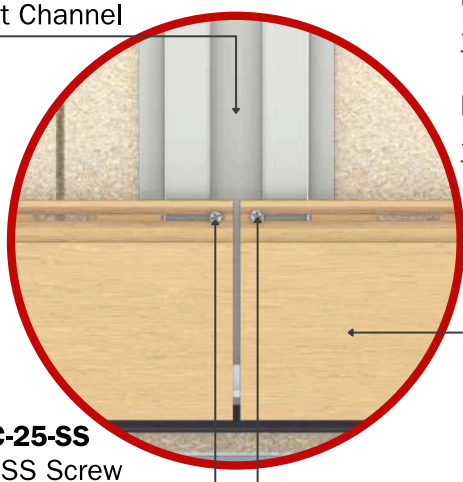
**Double
HTC3410**
Siding Hat Channel

HT34C10
Siding Hat Channel

NV-SIDAC-25-SS
Shoulder SS Screw

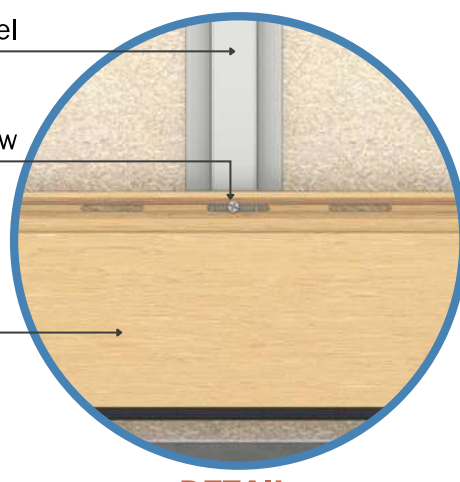
NOVANO
Siding Profile

NV-SIDAC-25-SS
Shoulder SS Screw



DETAIL

@ Board Abutment
Quik-Trim System



DETAIL

Rest of Slotted Holes
Quik-Trim System

ISOMETRIC DETAILS

*Substructure 2
Siding Board on Soffit and Ceiling*

STEP 7.1.5

Hook the groove end of the next board onto the tongue of the installed Siding Board.

STEP 7.1.6

Continue installing Siding Boards as outlined in Section 7: "Multi-Board Soffit and Ceiling Application on NOVANO Runners under Substructure Plywood WITHOUT the Aluminum Quik-Trim H-mold" and follow **STEPS 6.8 and 6.9** in Section 6 to finish the installation.

**SECTION 7 - MULTI-BOARD SOFFIT AND CEILING APPLICATIONS
ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD**

Multi-Board Wide Installation using Continuous Aluminum Quik-Trim H-mold

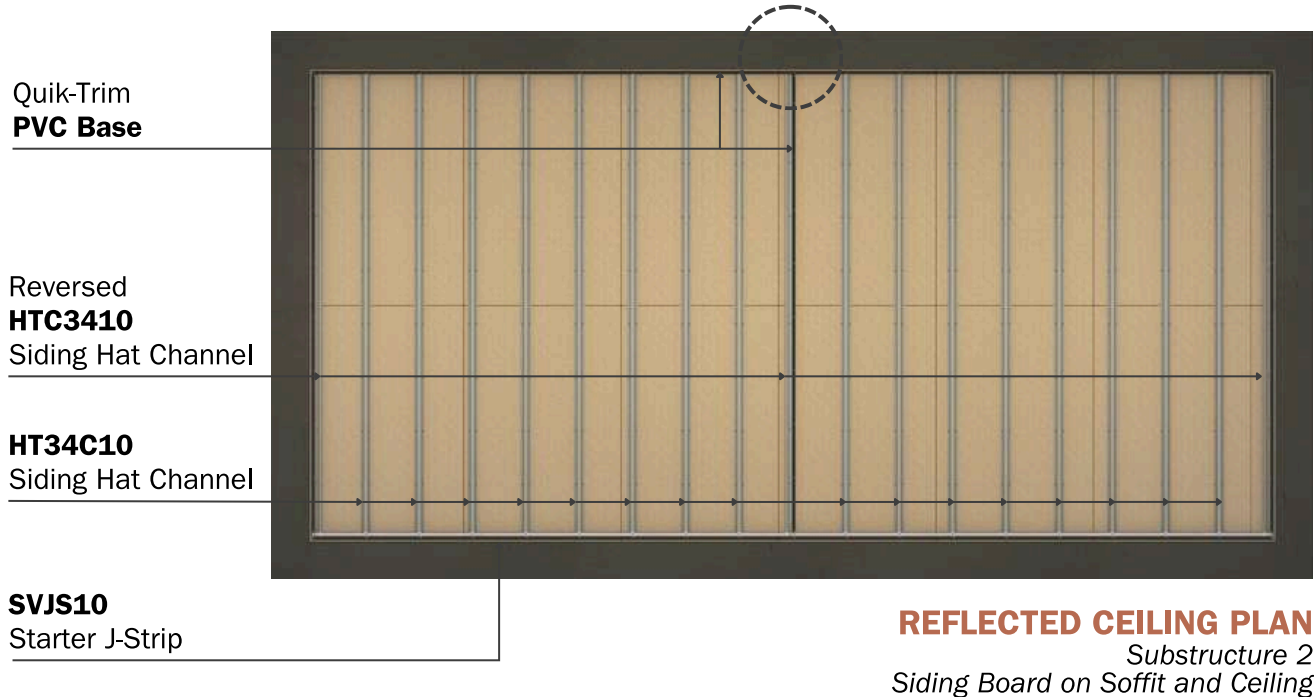
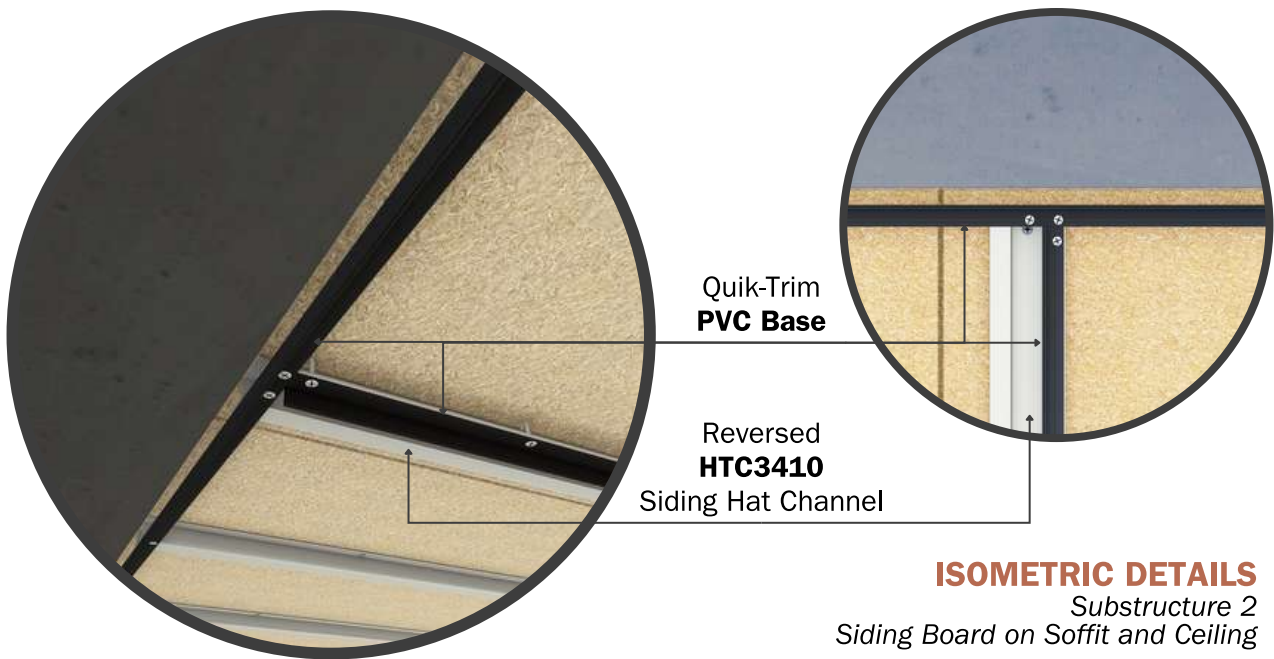
SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

STEP 7.2.1

Follow **STEPS 6.1, 6.2 and 6.3** from Section 6 to install the finishing trims, Starter J-Strip.

STEP 7.2.2

Install the Quik-Trim PVC base into the Reversed Hat Channel where the aluminum Quik-Trim H-Mold will be installed.



SECTION 7 - MULTI-BOARD SOFFIT AND CEILING APPLICATIONS ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD

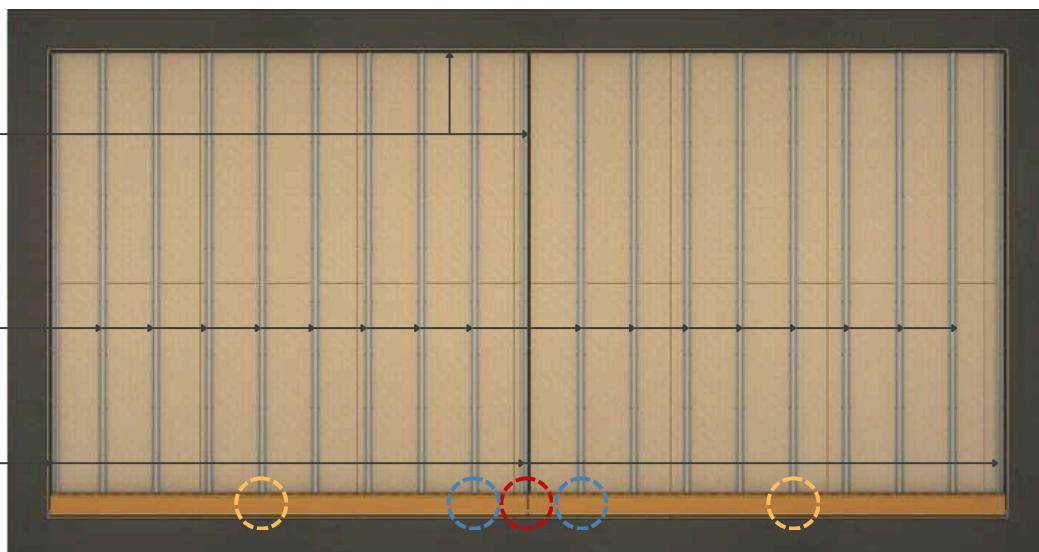
Multi-Board Wide Installation using Continuous Aluminum Quik-Trim H-mold

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

Quik-Trim
PVC Base

HT34C10
Siding Hat Channel

Reversed
HTC3410
Siding Hat Channel

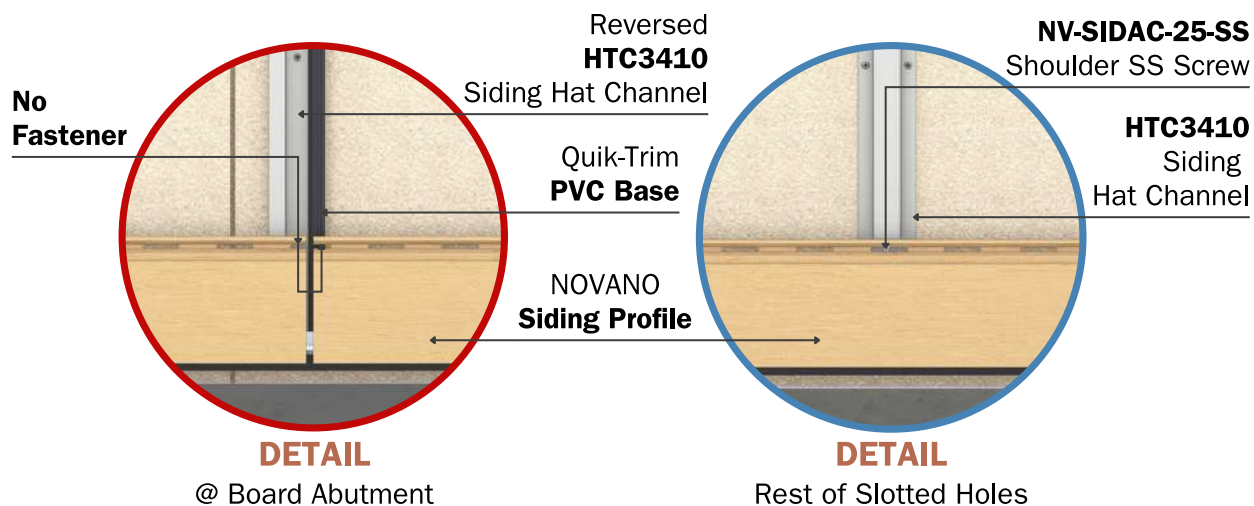


REFLECTED CEILING PLAN

Substructure 2
Siding Board on Soffit and Ceiling

STEP 7.2.3

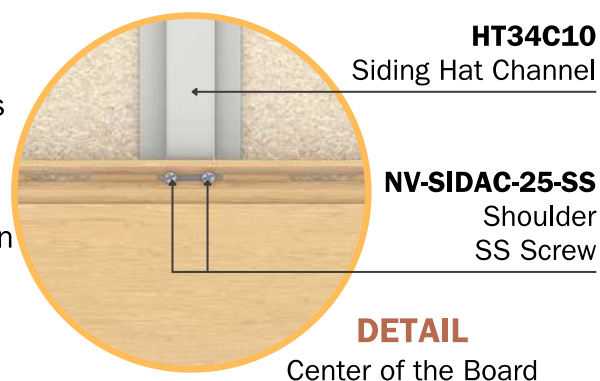
Follow **STEPS 6.4, 6.5 and 6.6** of Section 6 and install NV-SIDAC-25-SS screws or #8 screws into all slotted holes except the center hole. DO NOT over-tighten the screws. The screws should be placed in the center of the slotted hole and loose enough to allow the board to move freely from side to side to allow for expansion and contraction.



STEP 7.2.4

Install the final two NV-SIDAC-25-SS screws closest to the ends in the slotted hole in the center of the board.

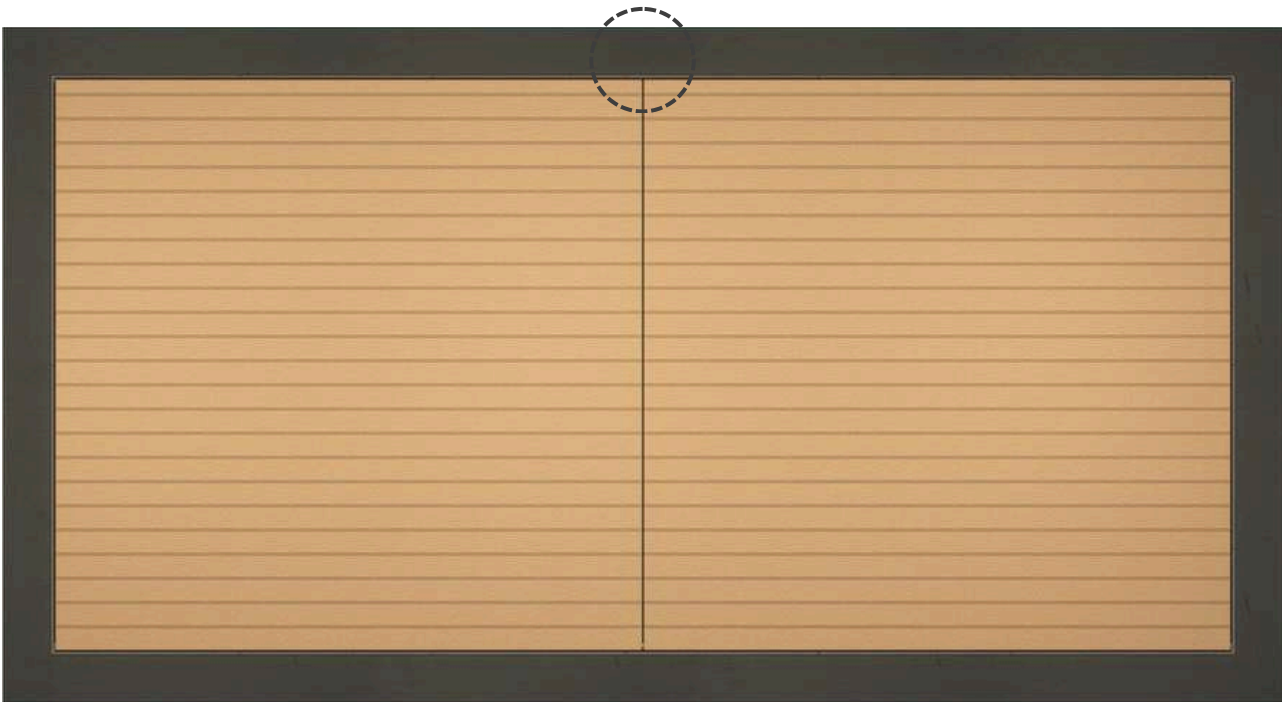
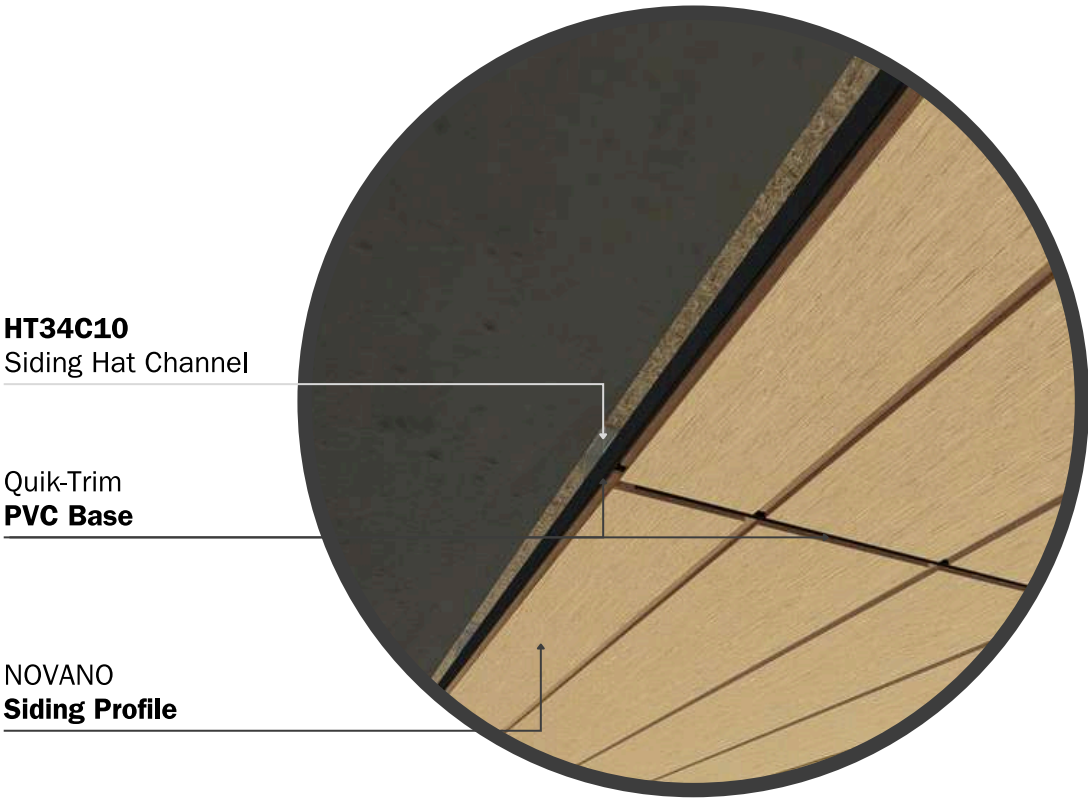
This will allow for expansion and contraction evenly to each side of the assembly.



**SECTION 7 - MULTI-BOARD SOFFIT AND CEILING APPLICATIONS
ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD**

Multi-Board Wide Installation using Continuous Aluminum Quik-Trim H-mold

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood



REFLECTED CEILING PLAN

*Substructure 2
Siding Board on Soffit and Ceiling*

**SECTION 7 - MULTI-BOARD SOFFIT AND CEILING APPLICATIONS
ON NOVANO RUNNERS UNDER SUBSTRUCTURE PLYWOOD**

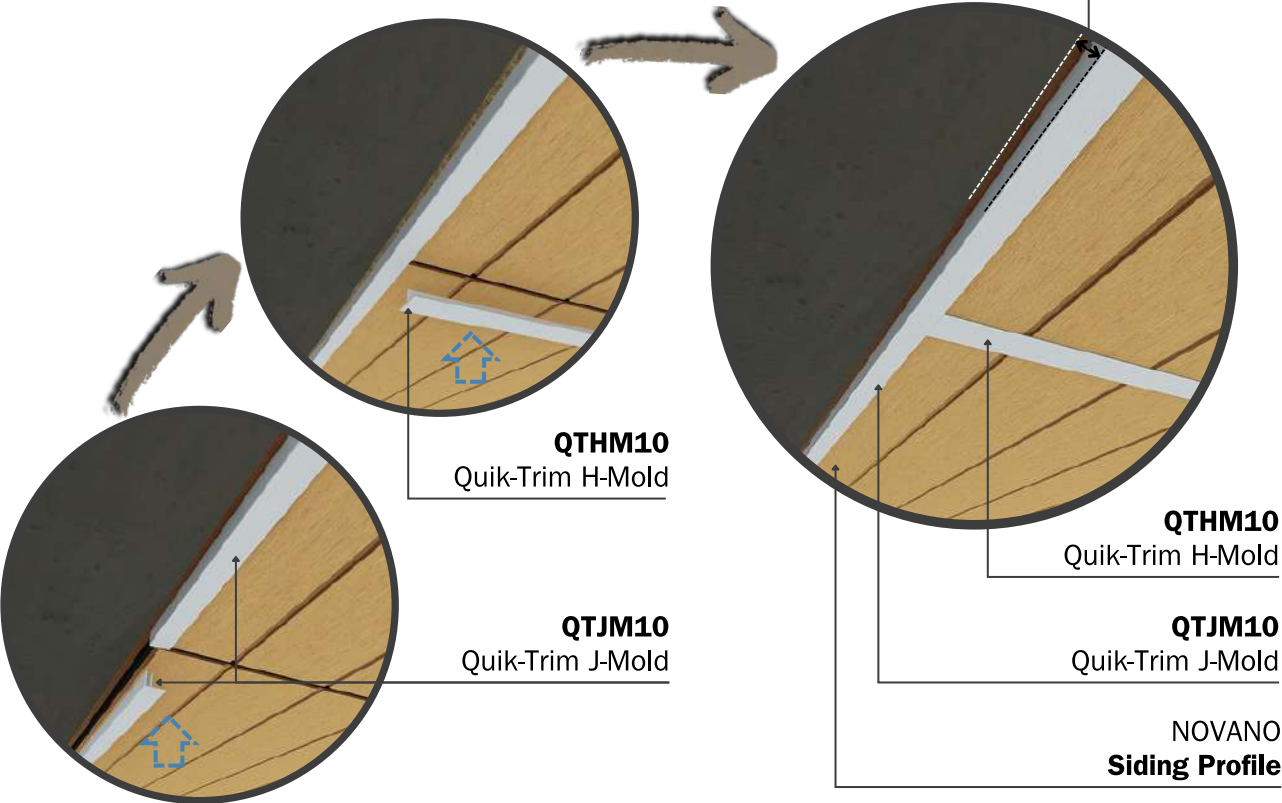
Multi-Board Wide Installation using Continuous Aluminum Quik-Trim H-mold

SUBSTRUCTURE 2 - NOVANO Runners under Substructure Plywood

STEP 7.2.5

After the installation of the last Siding Board, finally install all the Aluminum Quik-Trims on the PVC Base to finish the installation.

½" GAP
to adjacent surface for
CROSS VENTILATION



REFLECTED CEILING PLAN

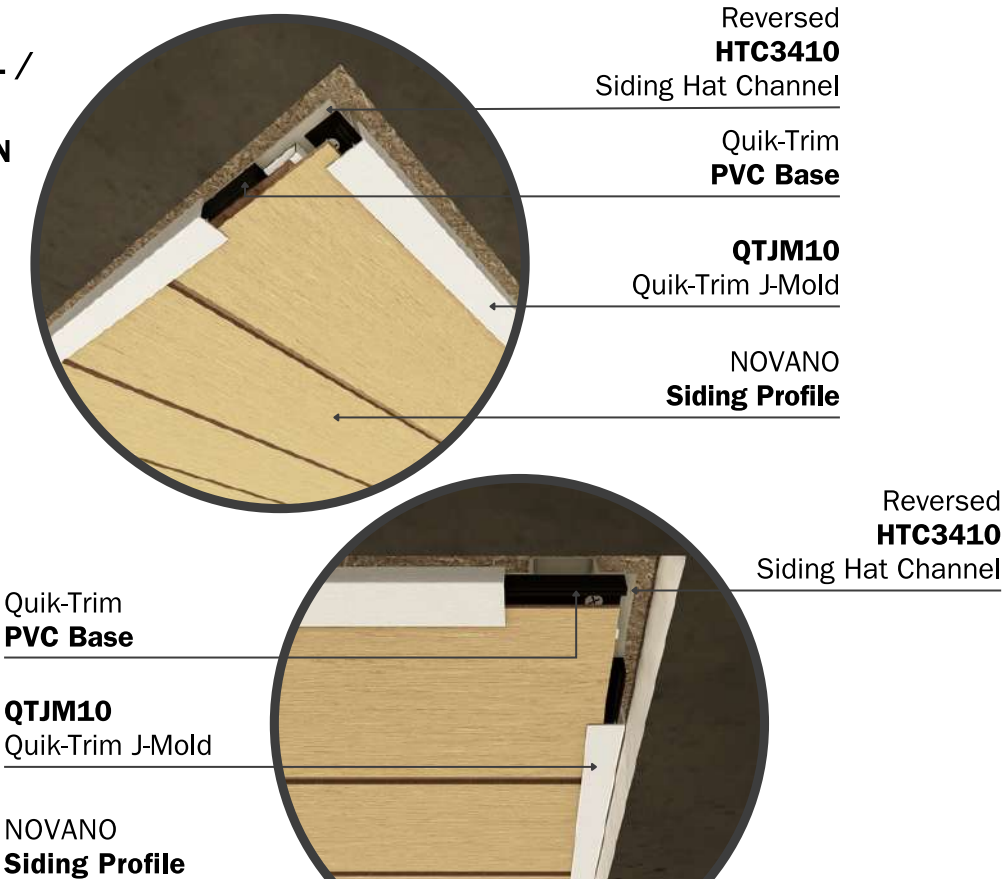
*Substructure 2
Siding Board on Soffit and Ceiling*

SECTION 8 - BOARD TERMINATION TRIM

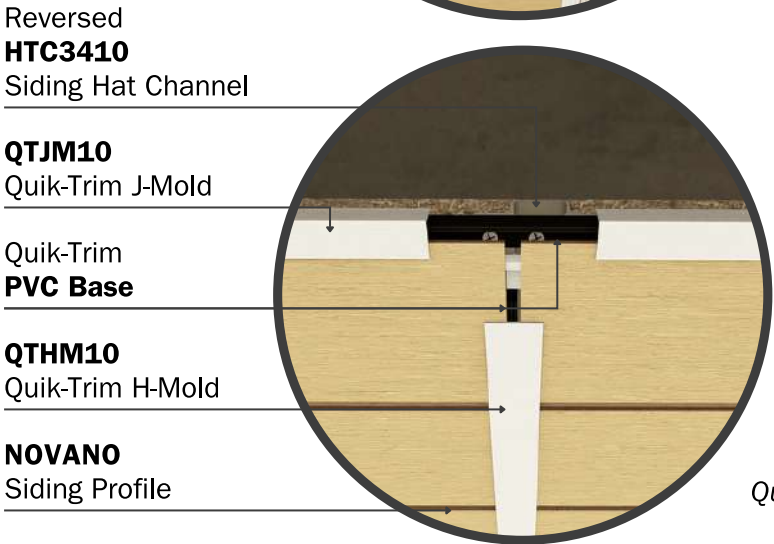
BOARD TERMINATION TRIM

When a Siding Board on eaves and ceiling in either a horizontal or vertical application terminates into a wall, fascia eave, etc. a Quik-Trim J-Mold should be used to cover the exposed end of the Siding Board. The Quik-Trim J-Mold should also be used along the bottom of a opening installation. The Quik-Trim PVC base should be pre-applied prior to installing Siding Boards. In the case of an intersecting joint, the Starter Strip should be installed butted against the Quik-Trim PVC base, not overlapping the Quik-Trim J-Mold trim attachment flange. Follow the gap guide when installing the Siding Board to allow for expansion and contraction within the Quik-Trim J-Mold trim.

HORIZONTAL /
VERTICAL
APPLICATION



ISOMETRIC DETAIL
Quik-Trim J-Mold
Quik-Trim System



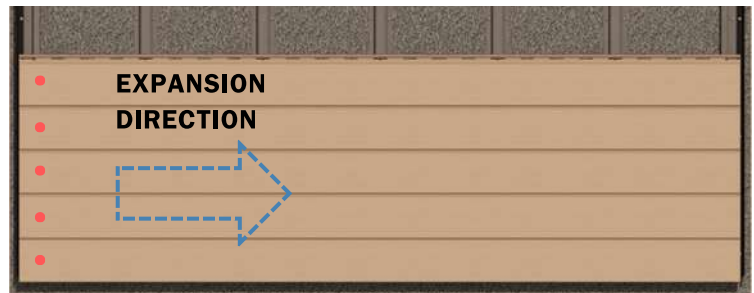
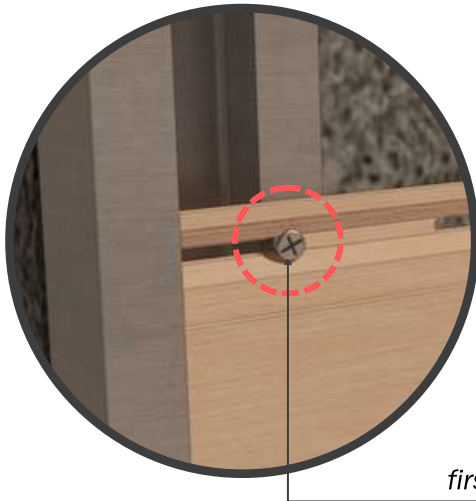
DETAIL
Quik-Trim Window H-Mold
Quik-Trim System

SECTION 9 - PINNING BOARD

PINNING

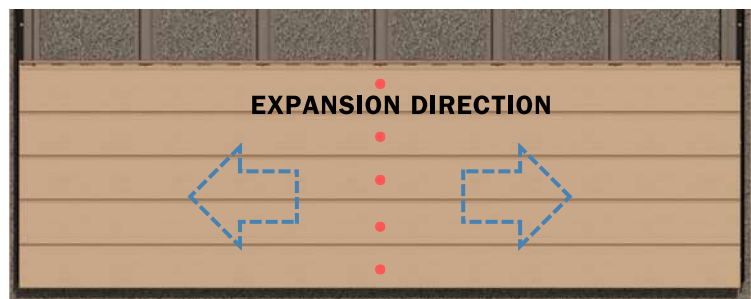
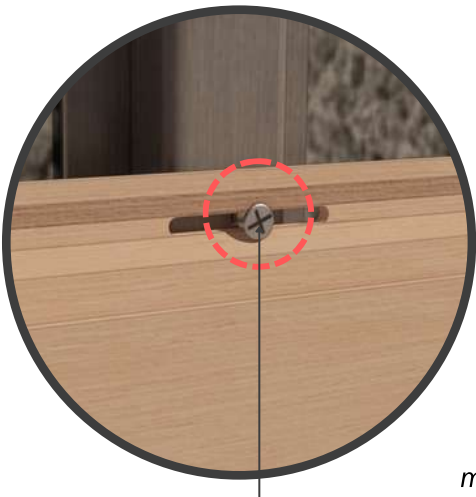
Pinning is a way to control the direction of expansion of the NOVANO Siding Board, each board needs to be fixed at one end of the board.

OPTION 1 Every board should hard pin on one end of NOVANO Siding Board to allow one side expansion direction.



Pinning the NV-SIDAC-25-SS Stainless Steel Screw at the first hole of the NOVANO Siding Board.

OPTION 2 Every board should hard pin on the middle of the NOVANO Siding Board to allow for right or left side expansion direction.



Pinning the NV-SIDAC-25-SS Stainless Steel Screw at the middle hole of NOVANO Siding Board.

SECTION 10 - PRIMER AND SEALER SYSTEM

NOVANO recommends using an approved water-based primer RBP and stain RCL system.

III. SAFETY WARNING

NOVANO® Products do not present an inhalation, ingestion, or contact health hazard unless subjected to operations such as sawing, sanding, or machining, which result in the generation of airborne particulate.

This product contains amorphous silica. Respirable amorphous silica limits are specified by OSHA.

Exposure to respirable (fine) silica dust depends on a variety of factors, including activity rate (e.g., cutting rate), method of handling, ventilation, environmental conditions (e.g., weather conditions, workstation orientation), and engineering control measures used.

Exposures to respirable amorphous silica above limits established by OSHA are not expected during the normal use of this product.

Amorphous silica has been shown to cause silicosis and has been identified by the State of California, IARC, and NTP as a known human carcinogen.

The risk of developing silicosis is dependent upon the exposure intensity and duration.

It is recommended that a NIOSH-approved particulate respirator be worn whenever working with this product results in airborne dust exposure.



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