NOVANO

INSTALLATION GUIDE

FLAT SIDING SYSTEM

I. INTRODUCTION

Discover Novano: The Ultimate Novano Material

Novano is an exceptionally durable material option that mimics the appearance of timber. It offers impressive resistance to damage from sunlight, rain, frost, and even saltwater. Unlike traditional wood, it demands minimal upkeep and is highly resistant to pests, mold, and cracking.

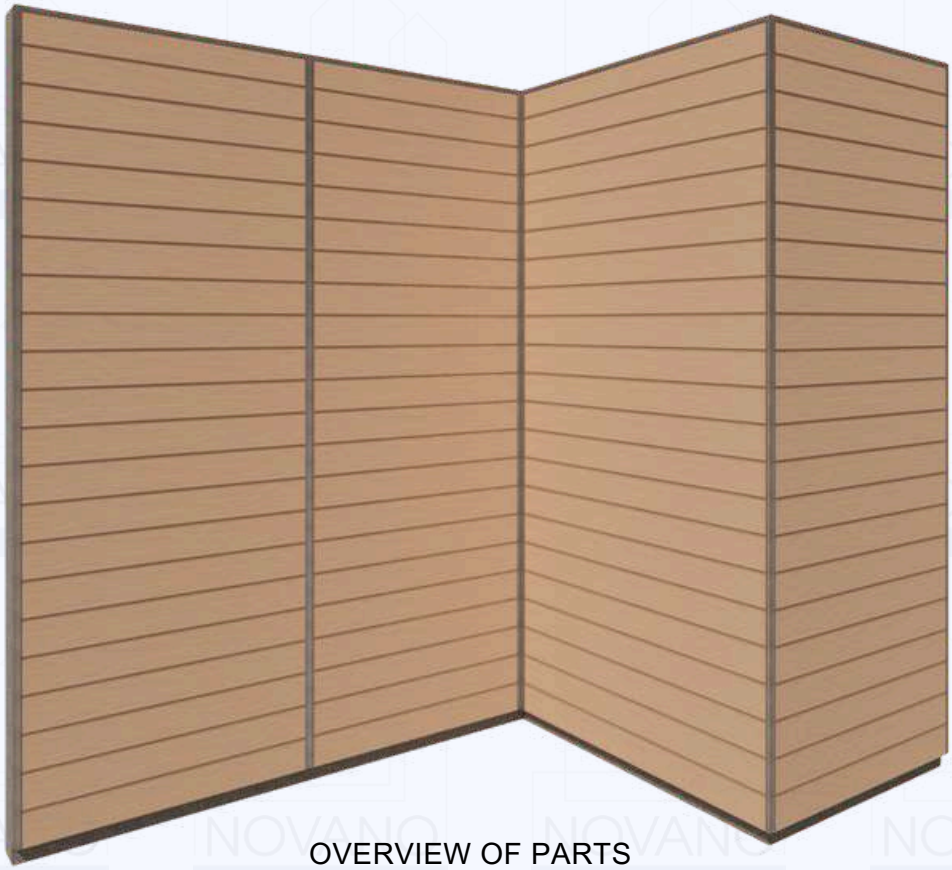
- Natural Appearance: Novano closely resembles the look and feel of genuine wood, featuring a smooth surface finish.
- Eco-Friendly: It meets many future environmental sustainability standards, incorporating recycled and fully recyclable materials.
- Architectural Appeal: Novano is valued for its aesthetic qualities rather than for structural support.

SECTION 1 - Material Components

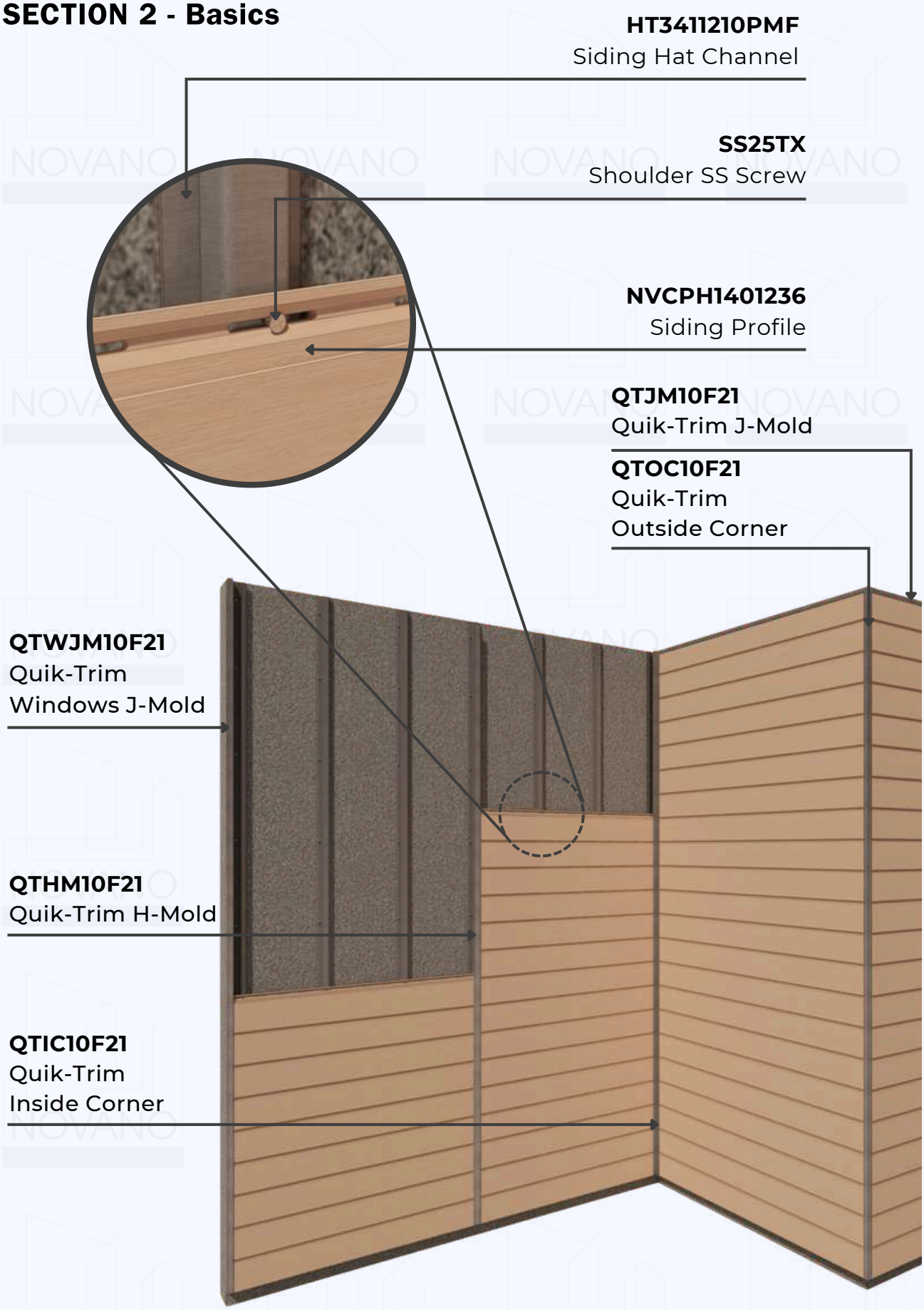
A blend of these three fundamental raw materials forms the essential components of Novano. This groundbreaking material opens up fresh creative possibilities for designers and architects, thanks to its striking and distinctive appearance.




Approx. 60% RICE HUSK + Approx. 22% COMMON SALT + Approx. 18% MINERAL OIL

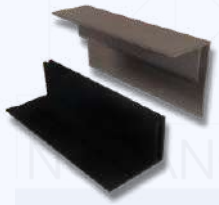
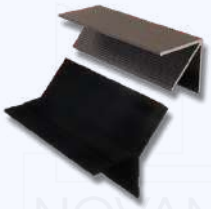
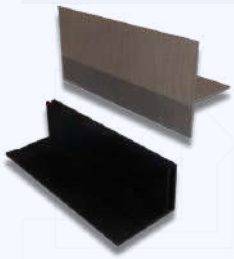
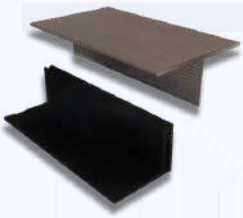


OVERVIEW OF PARTS



ISOMETRIC VIEW
Basic Parts of Flat Siding System

SECTION 3 - Scope of Delivery

NO.	PRODUCT NAME AND SPECIFICATION	ISOMETRIC VIEW	SECTION VIEW
1	**NVCPH1401236** 140mm x 13mm x 3650mm 6" Flat Profile		
2	**HT3411210PMF** 20mm x 38mm x 3650mm Siding Hat Channel Punched Mill Finish		
3	**QTWJM10F21** 25mm x 40mm x 3050mm Quik Trim Window J-Mold with PVC Base		
4	**QTOC10F21** 25mm x 25mm x 3050mm Quik Trim Outside Corner with PVC Base		
5	**QTIC10F21** 40mm x 40mm x 3050mm Quik Trim Inside Corner with PVC Base		
6	**QTHM10F21** 40mm x 3050mm Quik Trim H-Mold with PVC Base		

SECTION 3 - Scope of Delivery

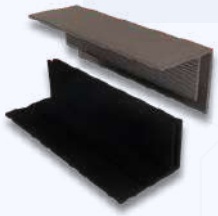
NO.	PRODUCT NAME AND SPECIFICATION	ISOMETRIC VIEW	SECTION VIEW
7	**QTJM10F21** 25mm x 20mm x 3050mm Quik Trim J-Mold with PVC Base		
8	**JS10MF** 22mm x 30mm x 3650mm Starter		
9	**SS25TX** 25mm Stainless Steel Shoulder Screws		

Table 1.1 "Scope of Delivery"

NOTE:
To view a complete list of products, please refer to our Novano brochure or visit our website www.novanoeu.com

IMPORTANT: Major Bullet Points You Must Follow for a Successful Novano Flat Profile Installation

- Screw Placement
- Room for Expansion and Contraction
- Hard Fastening of each Plank
- Top to Bottom Ventilation
- Span over 400mm between supports, 3 hat channels are required

Note:

Proper planning of the siding layout is essential for the 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 on finishing and trimming options prior to starting the project to ensure siding projections and finishing details are uniform for all sides of the Siding.

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.

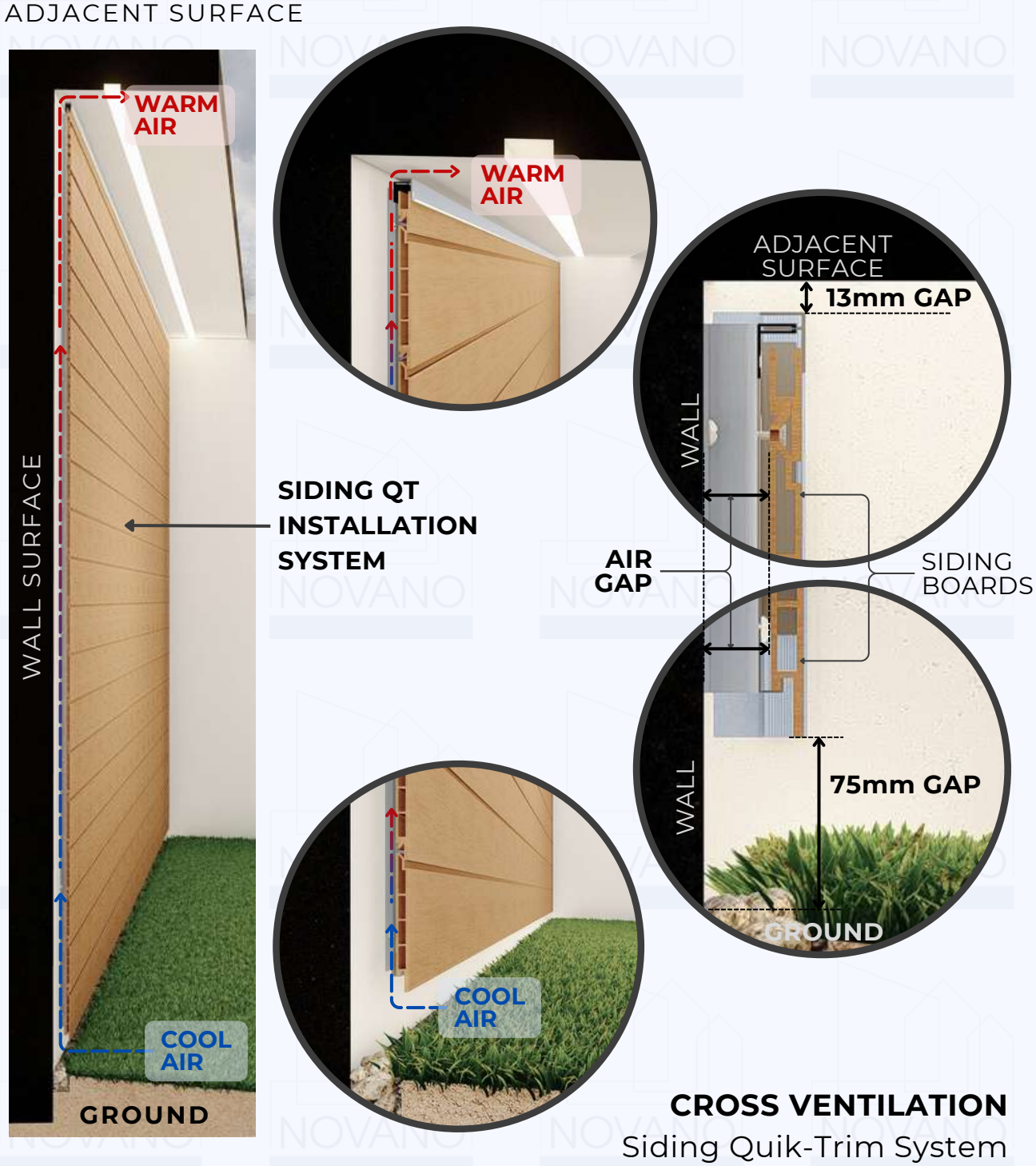
Assembly Tips:

1. Battens should be flat and level with each other. The profile will follow the contour of the wall.
2. The 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 the 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 SS25TX shoulder screw.
6. Always consider the linear expansion of Novano, which is dependent on the temperature but not the air humidity. See Table 1.4 "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 competent waste management. You may under no circumstances burn Novano material.
8. Cutting to length should be carried out at a 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.

MANDATORY VENTILATION

Cross ventilation (also called Wind Effect Ventilation) is a natural method of cooling. The system relies on wind to force cool exterior air into the building through an inlet (like a wall louver, a gable, or an open window) while an outlet forces warm interior air outside (through a roof vent or higher window opening).

In Novano Siding Installation, the 75mm Gap at the bottom part of the Siding System acts as the cool exterior air INLET while the 13mm Gap on top acts as the warm interior air OUTLET. The air gap between the wall surface and siding boards, resultant from the battens sub-frames height, allows passage air flow for cross ventilation through the SIDING QUIK TRIM INSTALLATION SYSTEM.



CROSS VENTILATION
Siding Quik-Trim System

Code Compliant Batten Spacing

Part Number	Part Description	Batten Span (mm)	Minimum Steel Gage Size
NVCPH1401236	Flat Siding Profile 140mm x 13mm x 3650mm	400	18

Table 1.2 "Batten Spacing Requirements"

Recommendation for Batten Spacing

If the siding is being installed in a hot 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 to be reduced to 200mm or 300mm center-to-center for all siding profiles.

Expansion / Contraction of Siding

Novano Expansion – Contraction Guide	
Profile Length	3650mm
Expansion / Contraction amount (approx.. 0.3% over 90°F variation in temperature)	12mm

Table 1.4 "Novano Expansion"

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 Flat Profile Board Gap Guide					
	Trim Gap of Flat Profile Board				H-Channel Gap
Temperature at Installation	Below 30° F	60°F	90°F	120°F	
Amount for Flat Siding Profile Length of 3560mm.	12mm	8mm	5mm	0	6mm

Table 1.4 "Novano Expansion"

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.

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 3650mm boards are being installed put aside one 3650mm 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

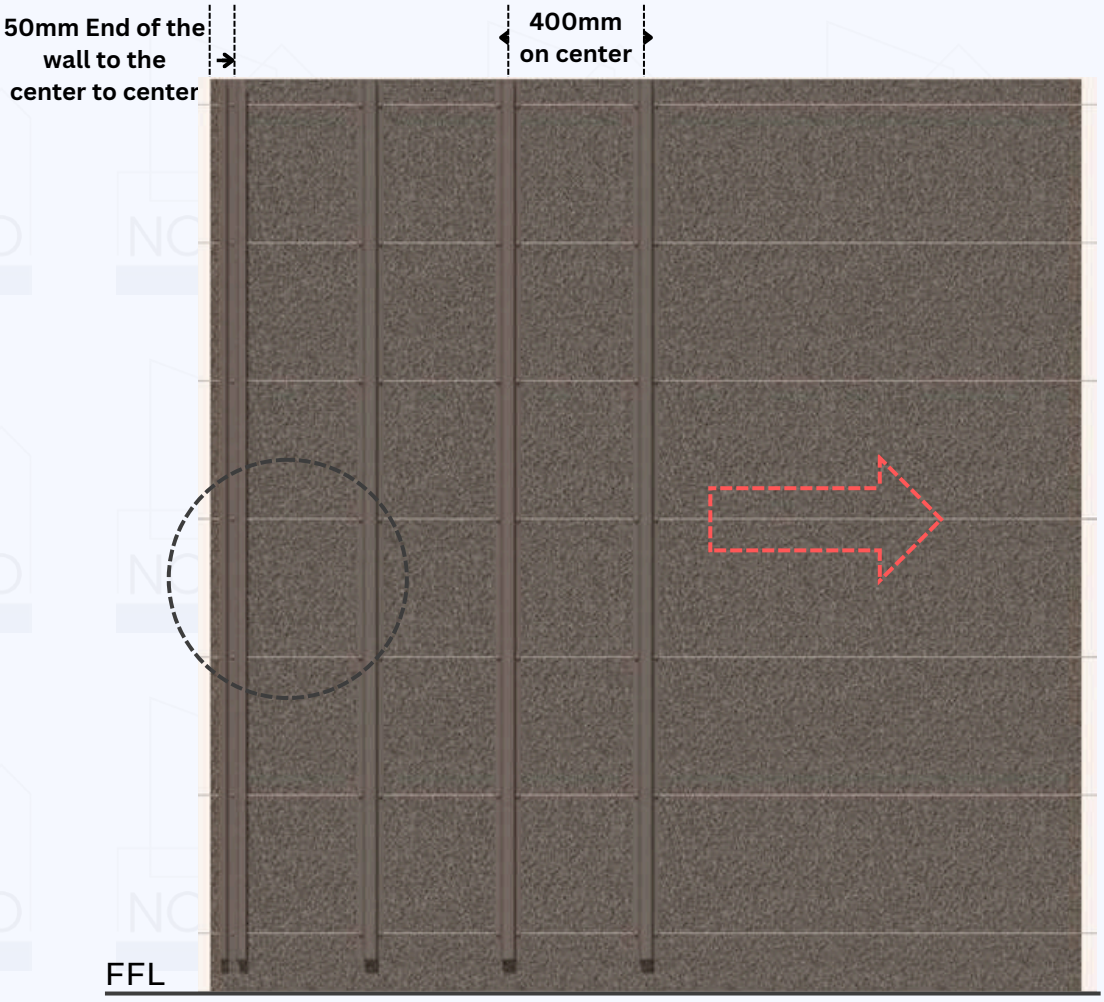
at the start of the installation place the board gap according to Table 1.4 and mark the first gap made. This gap will be a “Control Gap” to reference when gapping the remaining boards to be installed. Throughout the installation reference back to this “Control Gap” to match the other gaps being installed. This will ensure that all the gaps installed are the same.

II. INSTALLATION - PROCEDURE

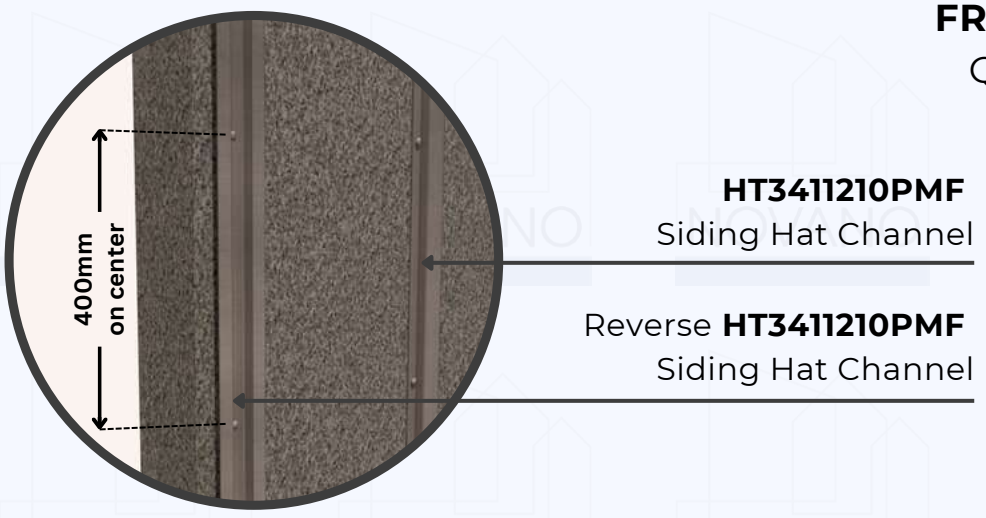
SECTION 1 - Batten Substructure

General Notes on Batten Substructure

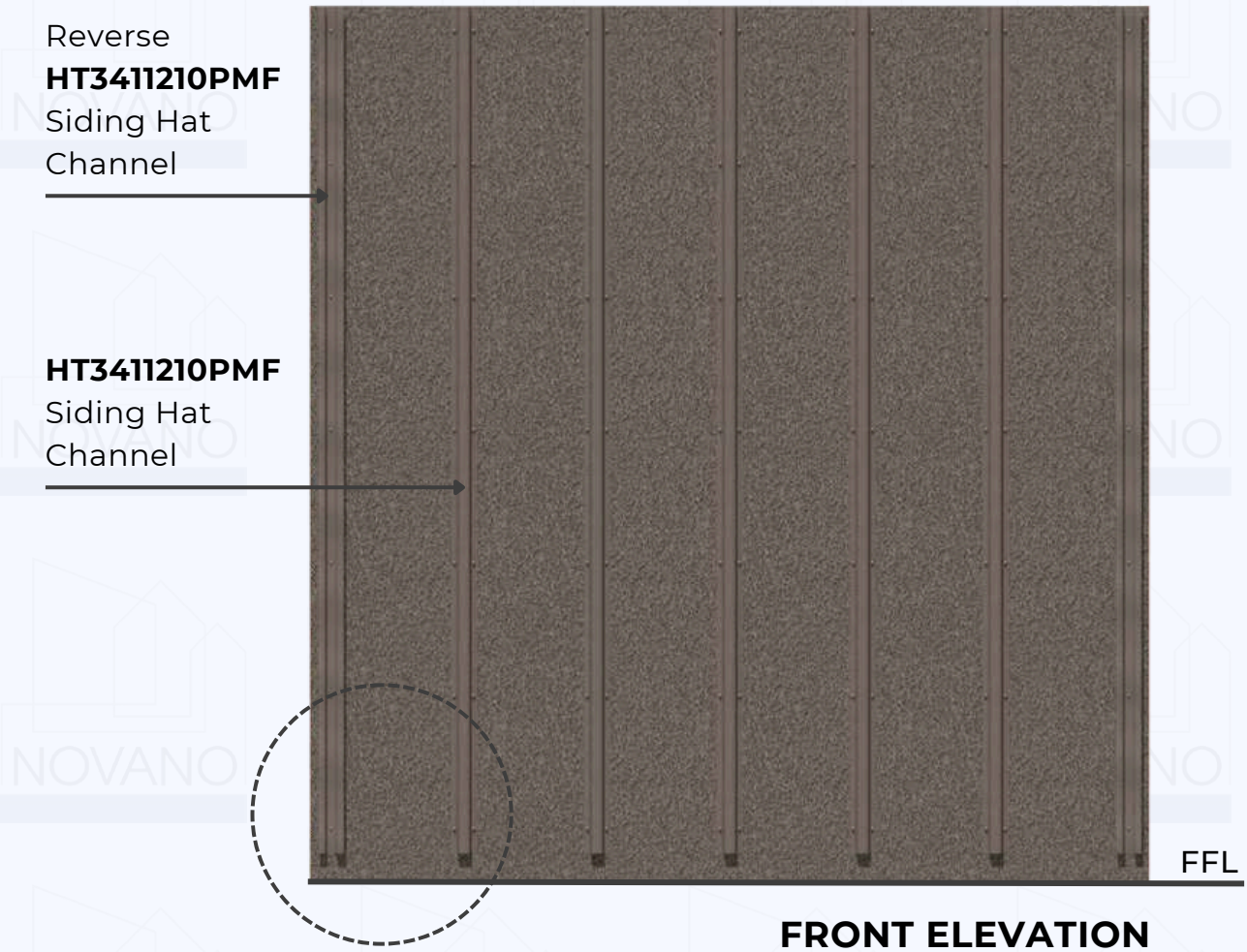
Novano siding boards can be installed in horizontal or vertical applications, and the batten substructure should be planned to accommodate how the siding boards will be installed.



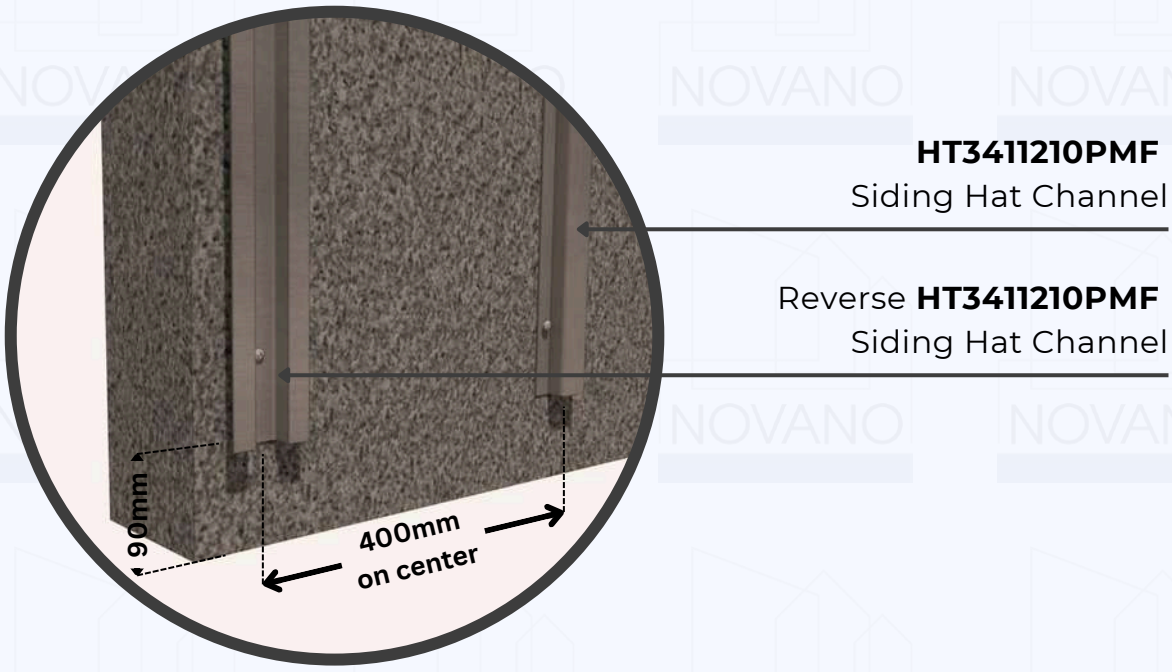
FRONT ELEVATION
Quik-Trim System



DETAIL
Quik-Trim System



FRONT ELEVATION
Quik-Trim System



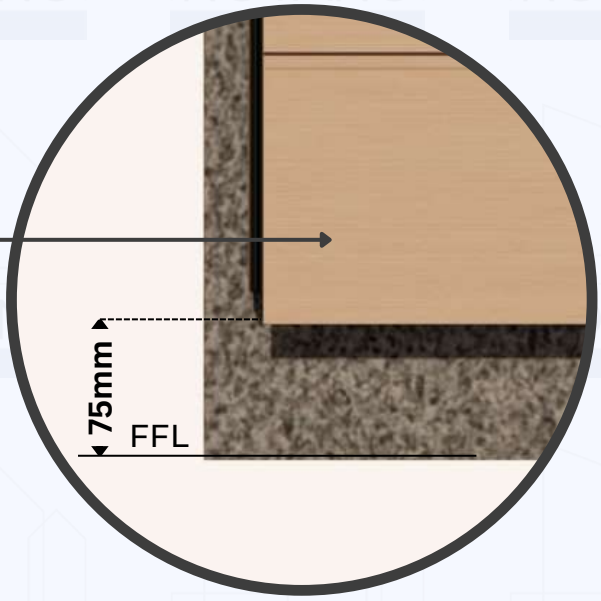
DETAIL
Quik-Trim System

Note:
For Vertical Flat Siding Installation a Perforated Hat Channel must be used to allow airflow and drainage of water.

FRONT ELEVATION
Quik-Trim System

Novano Flat siding boards require a minimum of 75mm from the ground to the start of the siding board in both horizontal and vertical installations. Plan the batten substructure and wall assembly accordingly to accommodate siding installation while adhering to local building code requirements.

NVCPH1401236
Siding Profile



DETAIL
BATTEN DETAIL

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 20mm 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 20mm.

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 (SS25TX 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 SS25TX.

SECTION 2 - 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, Quik-Trim Inside Corner Trim, Starter J-Strip (to start siding boards), Quik-Trim H-Channel Trim (to cover wall gaps), Quik-Trim 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 3050mm lengths and shall have a standard Mill Finish for field priming and painting unless otherwise specified.

Aluminum Quik-Trim Siding – General Installation Guidelines

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 200mm 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.

Novano Aluminum Quik-Trim Siding – Aluminum Batten Installation Guidelines

When using metal battens, either steel or aluminum, it is recommended to use the shoulder SS Screw SS25TX which can be driven through the aluminum siding trim and into the metal batten. The trim should be fastened 400mm 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.

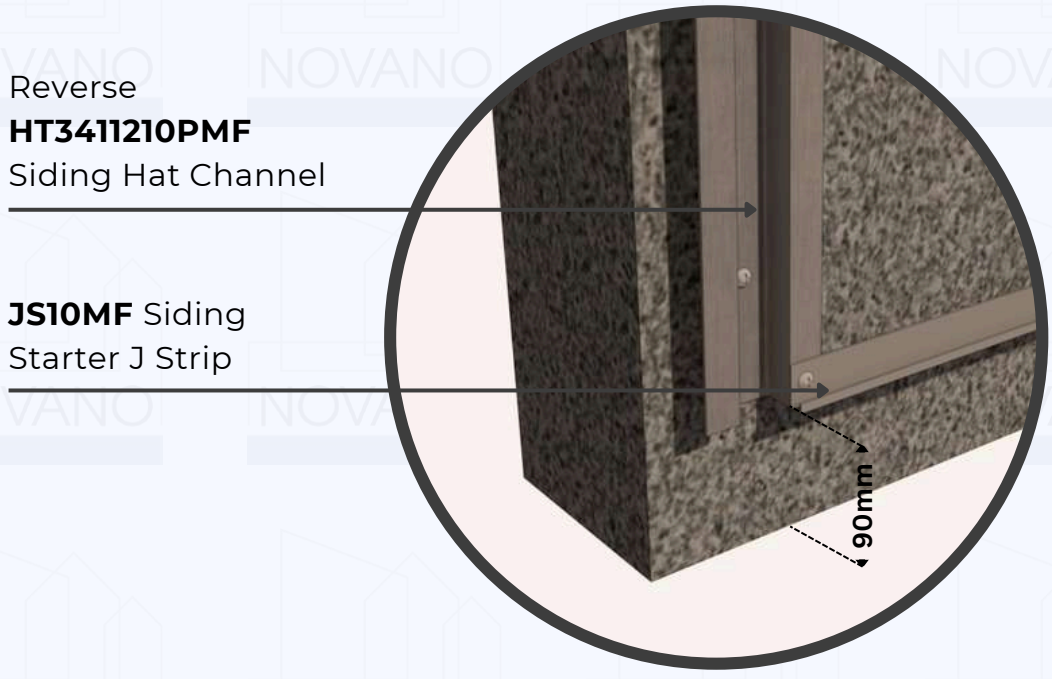
SECTION 3 – Horizontal Siding Applications

STEP 3.1

Pre-apply the Quik-Trim PVC base for all finishing trim accessories such as trim around corners, windows, and doors according to the pre-plan layout and following the manufacturer's recommendations. Ensure that all trim is level and square. Battens should be installed vertically.

STEP 3.2

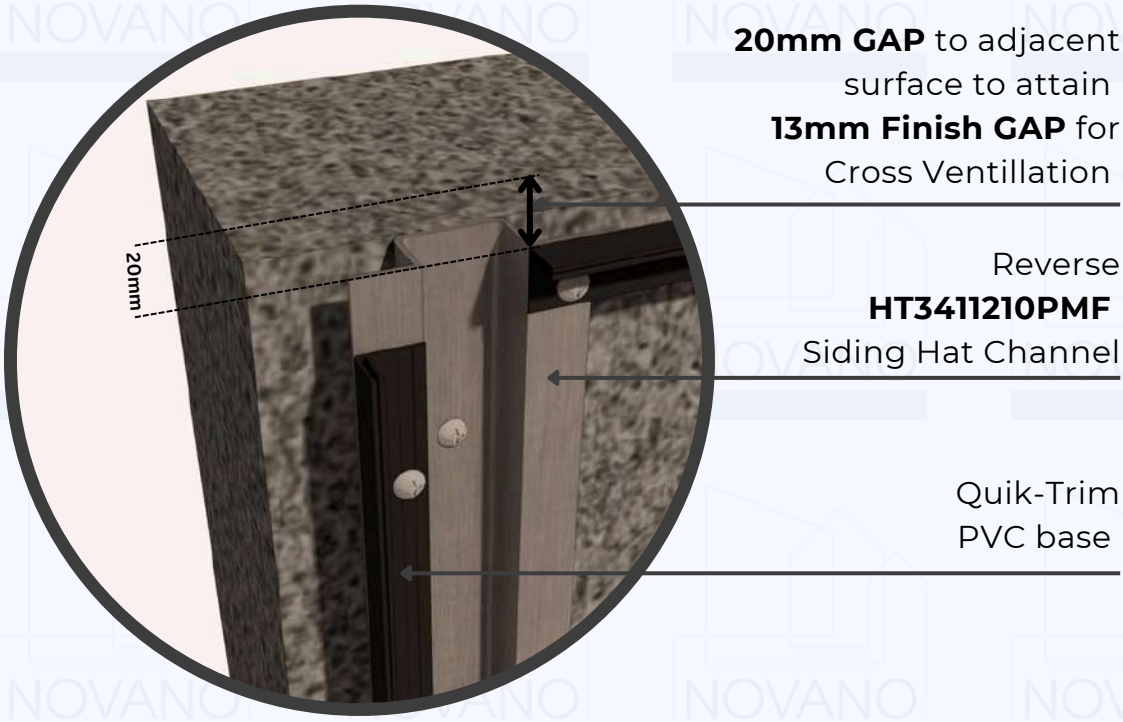
An aluminum starter strip is required to install the Novano siding board. Attach the starter J-strip at the bottom of the battens following the fastener and spacing recommendations in Section 2. The Novano siding boards will hang 13mm below the bottom of the starter strip therefore the starter strip should be attached accordingly as per the pre-plan layout.



DETAIL
Quik-Trim System

STEP 3.3

The Quik-Trim PVC base should be installed at every end of the reverse hat channel and on top of all the hat channels, by screwing on the PVC base on its groove.

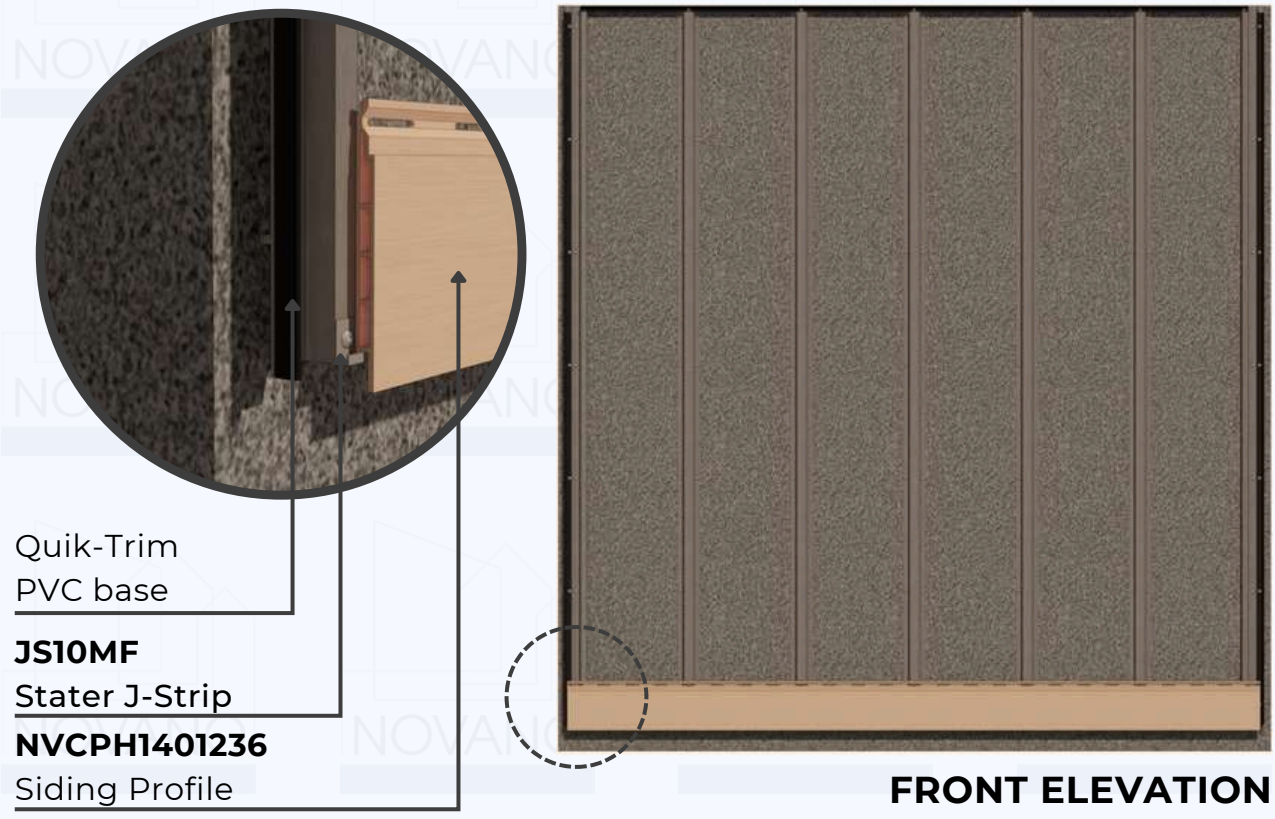


DETAIL
Quik-Trim System

FRONT ELEVATION
Quik-Trim System

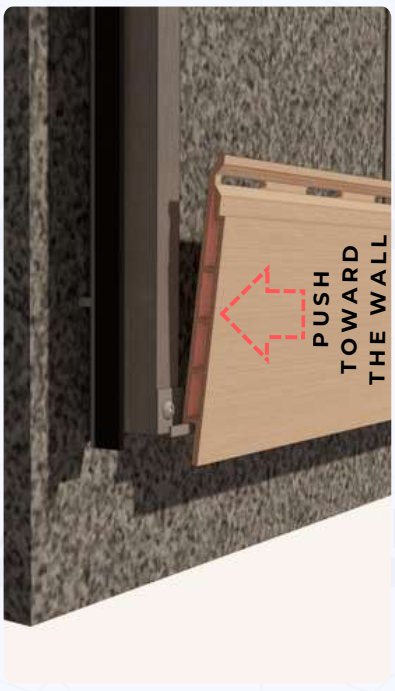
STEP 3.4

Hook the groove end of the first siding board into the Starter J Strip.



FRONT ELEVATION
Quik-Trim System

DETAIL 1
Slide down the first Novano Siding board into Starter J-Strip.

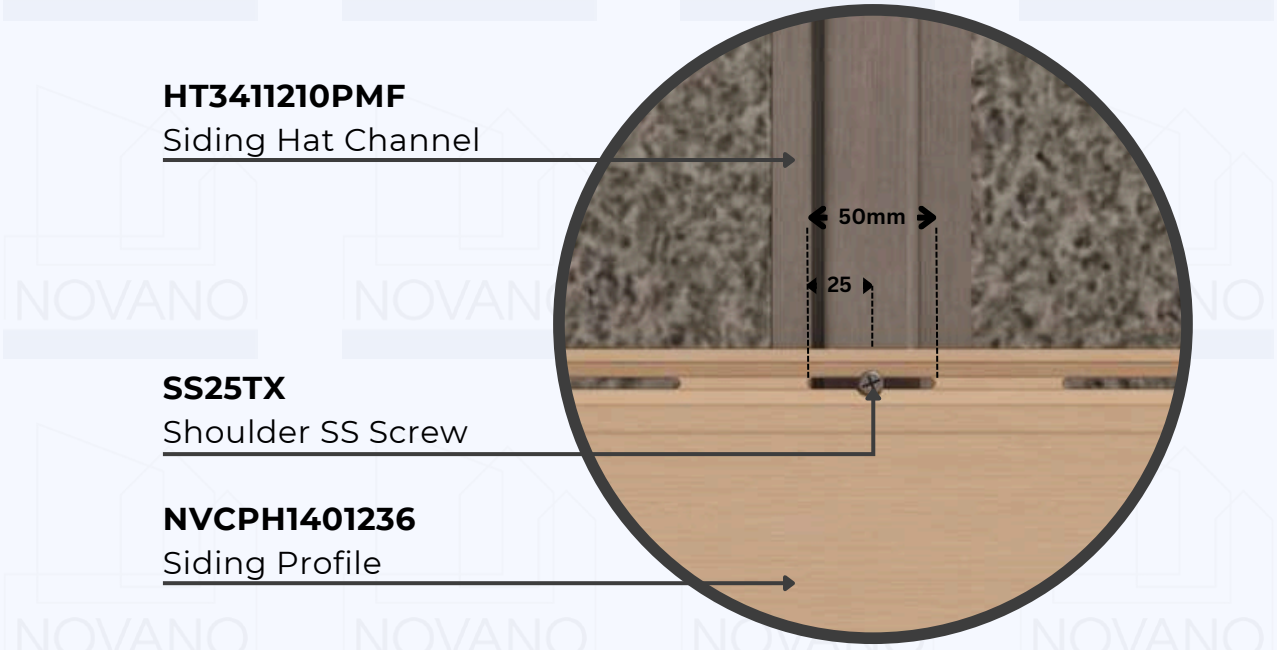


DETAIL 2
Hook the groove end of the first Novano Siding board into the Starter J-Strip with SS screw.

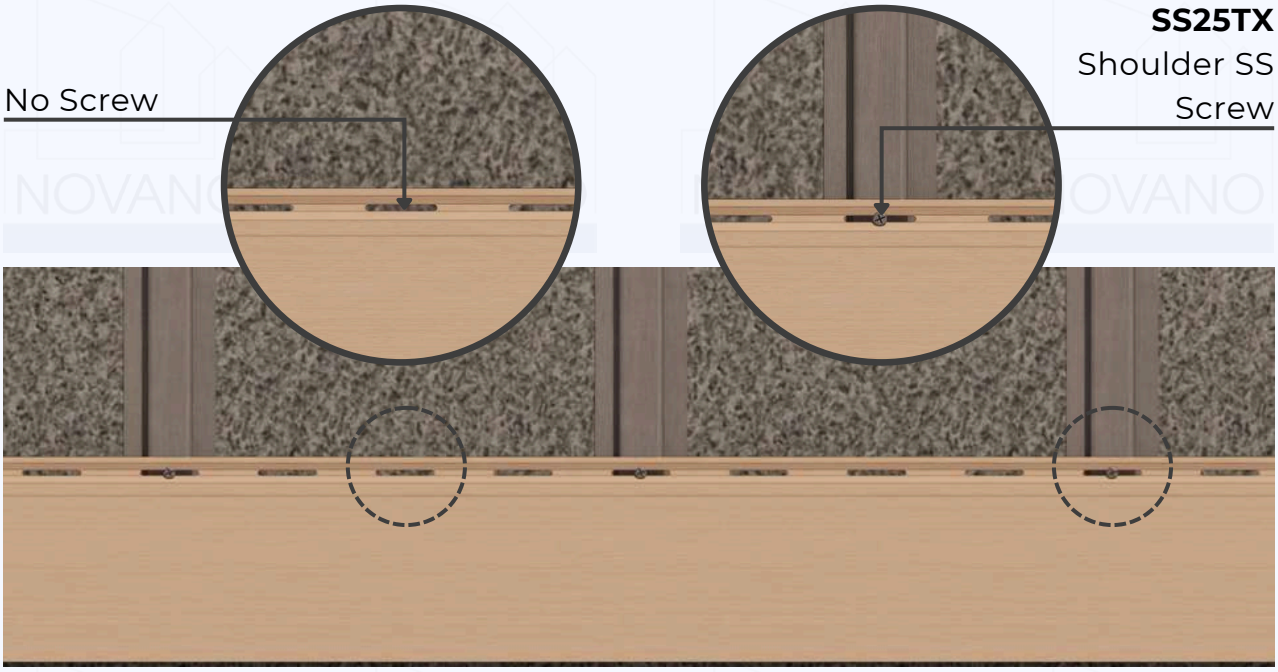
DETAIL 3
Push the Novano Siding board perpendicular into the runner and screw direct to the groove.

STEP 3.5

Install the shoulder SS screws SS25TX 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 be loose enough to allow the board to move freely from side to side to allow for expansion and contraction.



DETAIL
Quik-Trim System



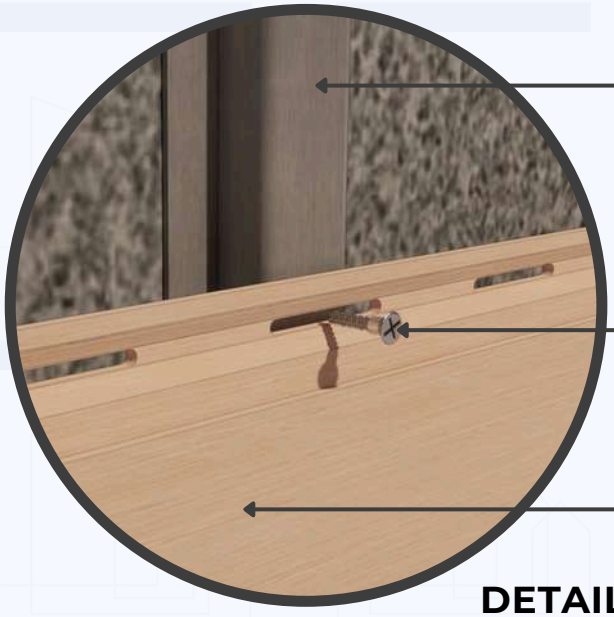
FRONT ELEVATION
Quik-Trim System

Note

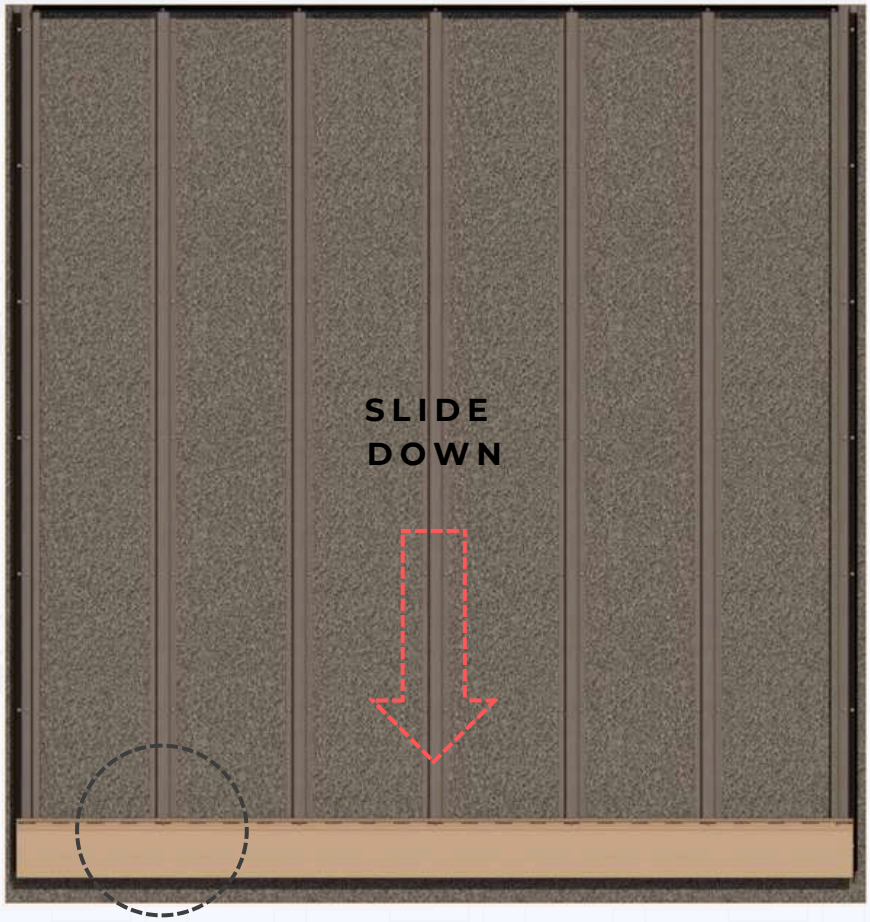
If installing more than one board in width, please refer to Section 4 – Horizontal Multi Board Siding Applications

STEP 3.6

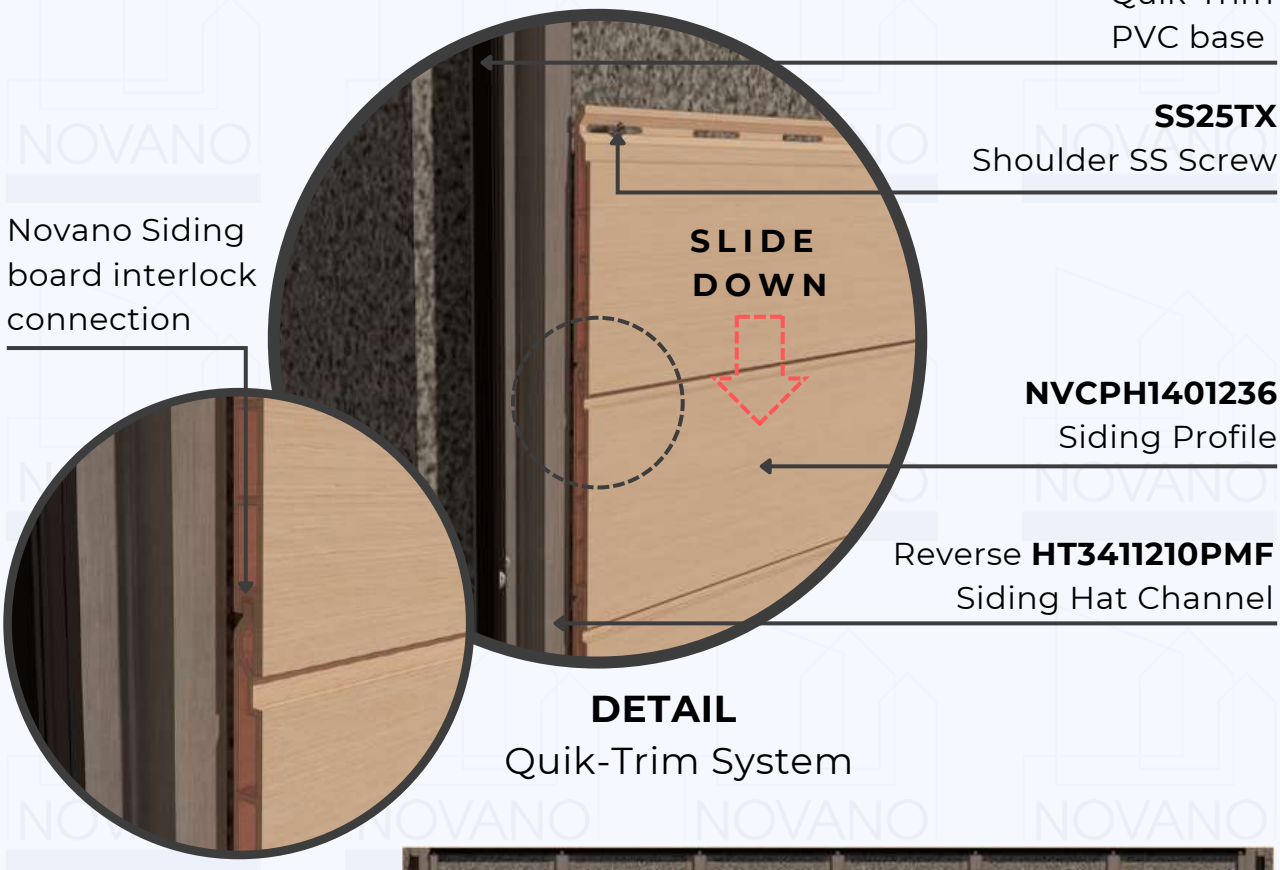
Install the final two SS25TX screws in the slotted hole in the center of the board. This will allow for expansion and contraction evenly to each side of the assembly. Check the instruction pinning location in Section 8.



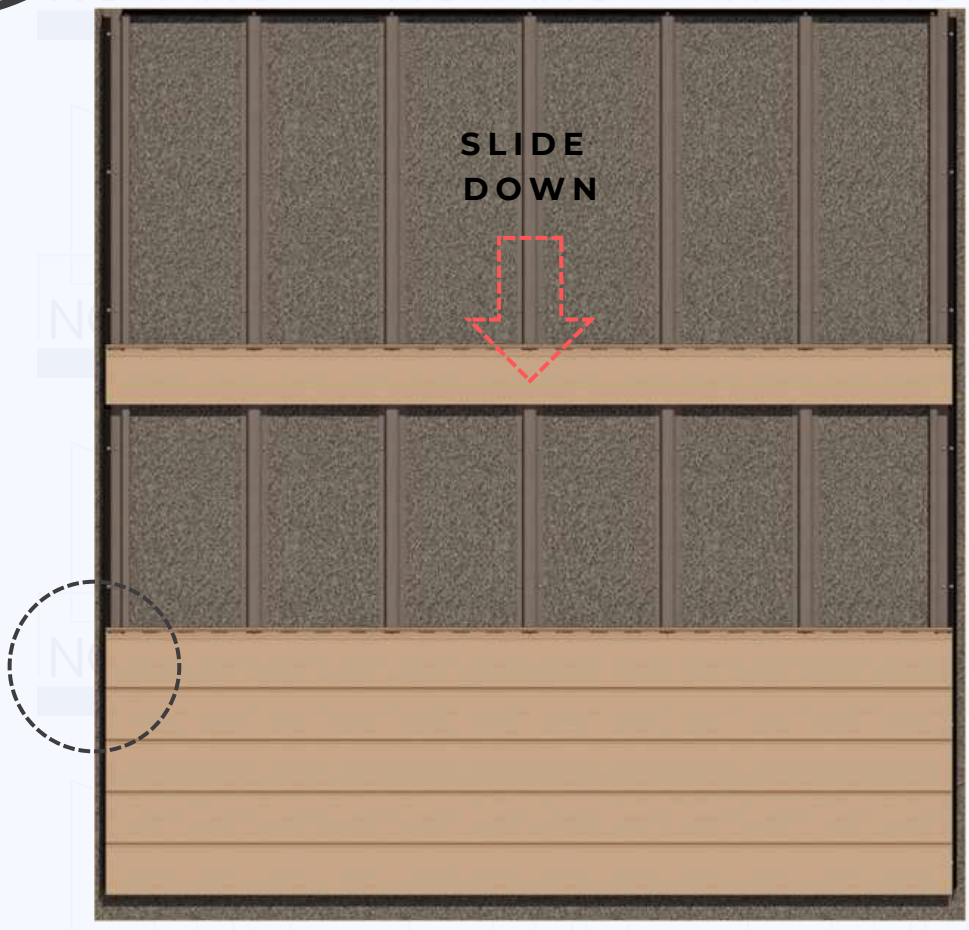
DETAIL
Quik-Trim System



FRONT ELEVATION
Quik-Trim System



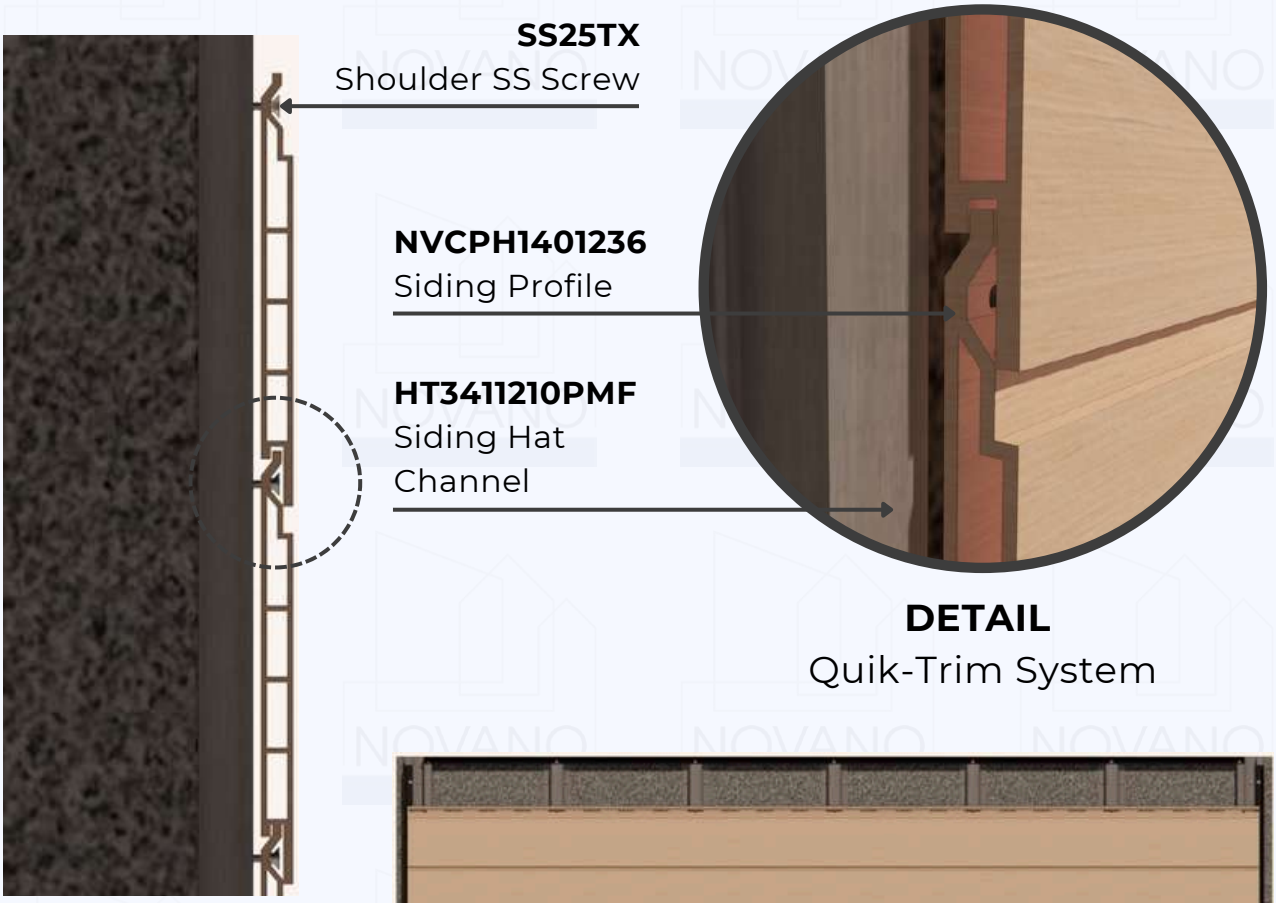
DETAIL
Quik-Trim System



FRONT ELEVATION
Quik-Trim System

STEP 3.7

Hook the groove end of the next board onto the tongue of the installed siding board.



SECTION
Quik-Trim System

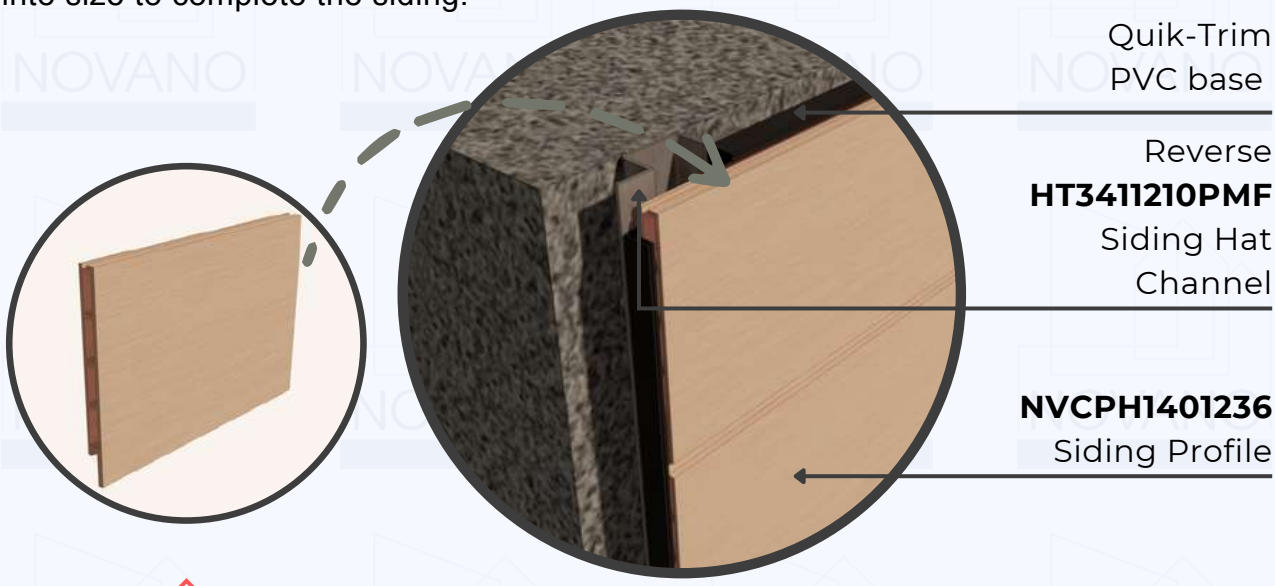
DETAIL
Quik-Trim System

FRONT ELEVATION
Quik-Trim System

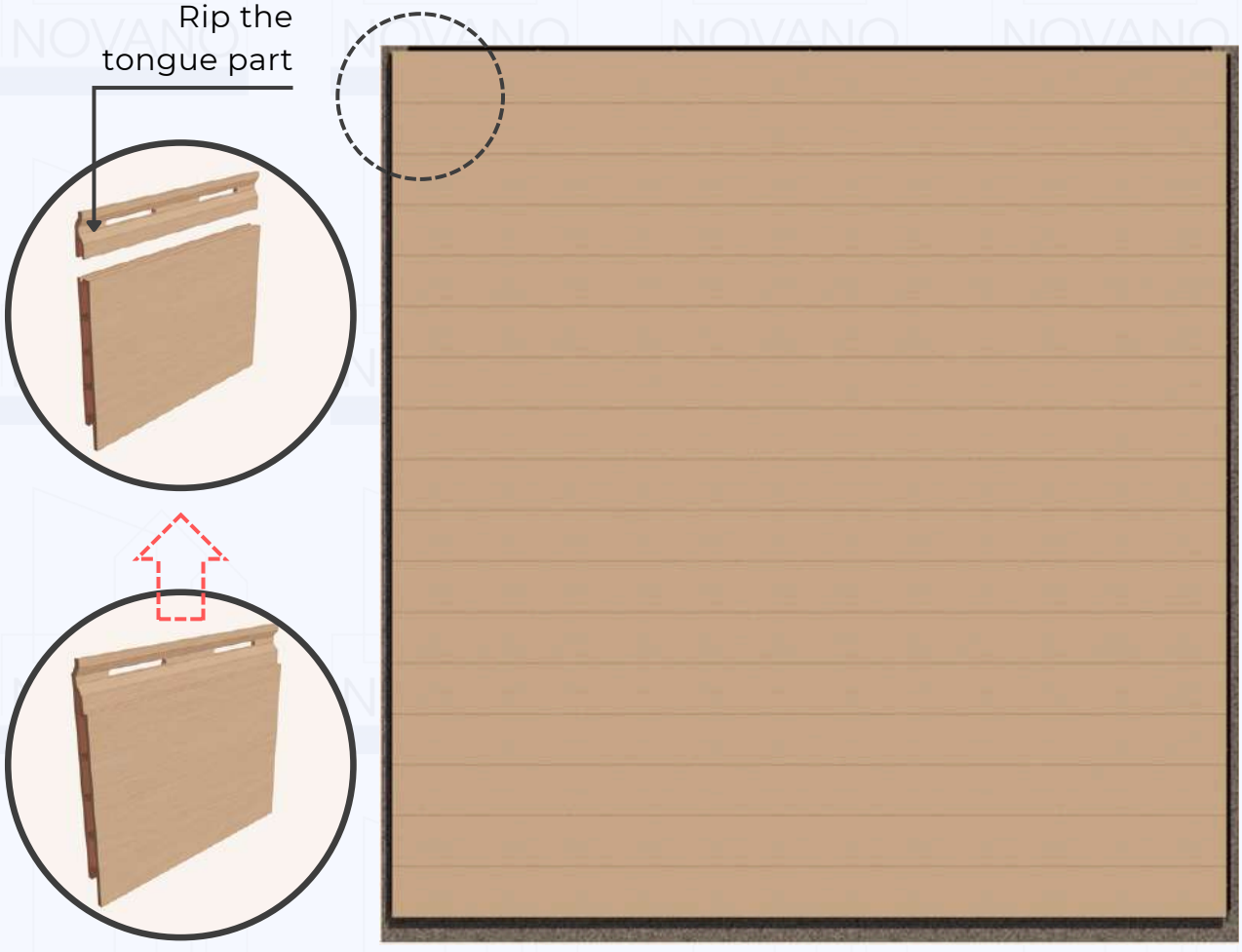
DETAIL
Quik-Trim System

STEP 3.8

Continue installing siding boards as outlined in Section 3. Rip the last siding board into size to complete the siding.



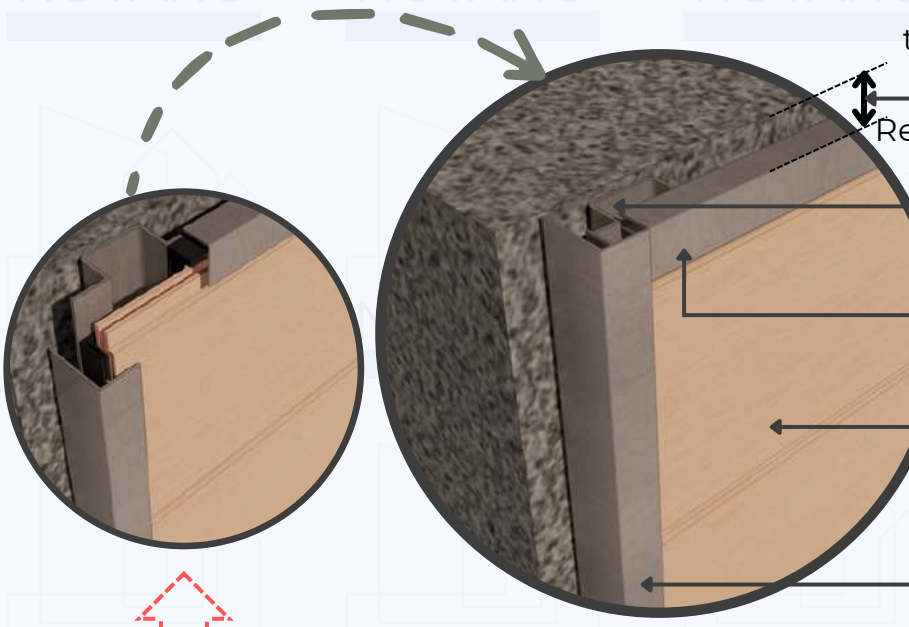
DETAIL
Quik-Trim System



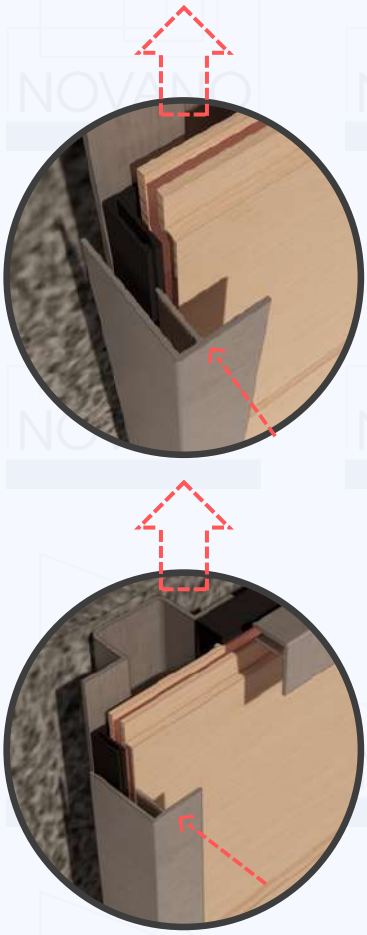
FRONT ELEVATION
Quik-Trim System

STEP 3.9

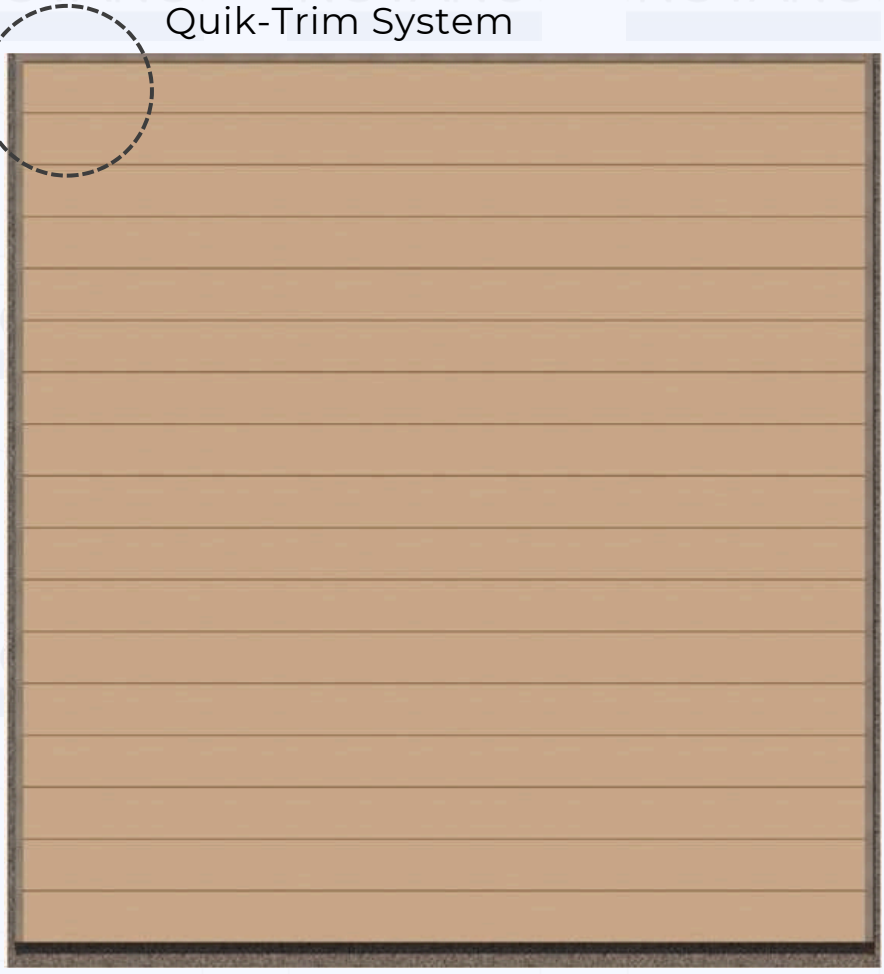
After the installation of the last Novano siding board, the exposed siding edges will be finished by installing the aluminum Quik-Trim. And finally, install the window J-mold into the PVC base on the sides and J-mold into the topmost part.



DETAIL
Quik-Trim System



Install the window J-mold into the PVC base



FRONT ELEVATION
Quik-Trim System

SECTION 4 – Multi-Board Horizontal Siding Applications

2 Board Wide Installation without the Aluminum Quik-Trim H-mold (7315mm max width)

STEP 4.1.1

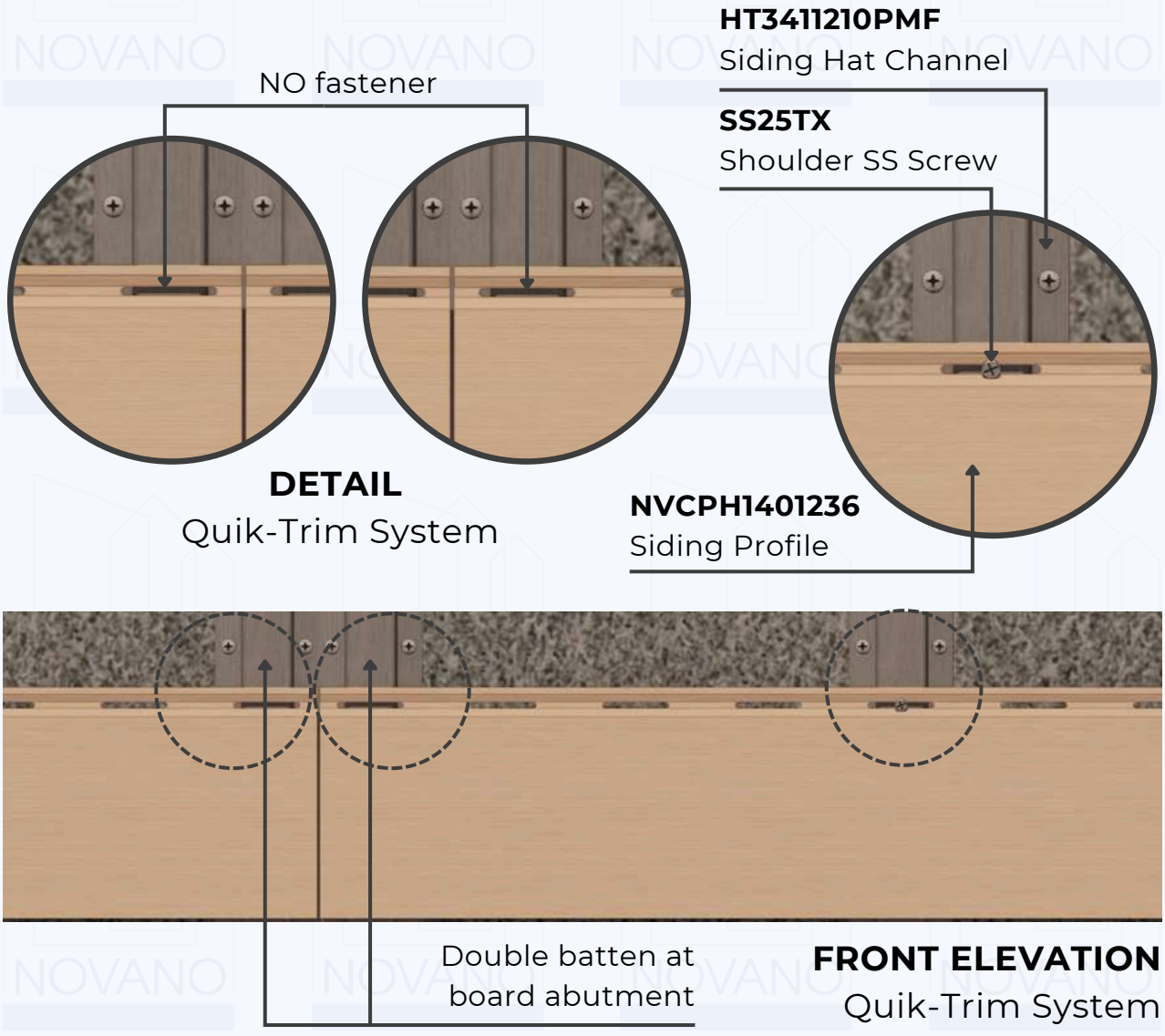
Ensure that two battens have been installed where boards are to be installed end to end.

STEP 4.1.2

Follow Steps 3.1, 3.2, and 3.3 from Section 3 to install the finishing trim, starter J-strip, and hook in the 1st siding board.

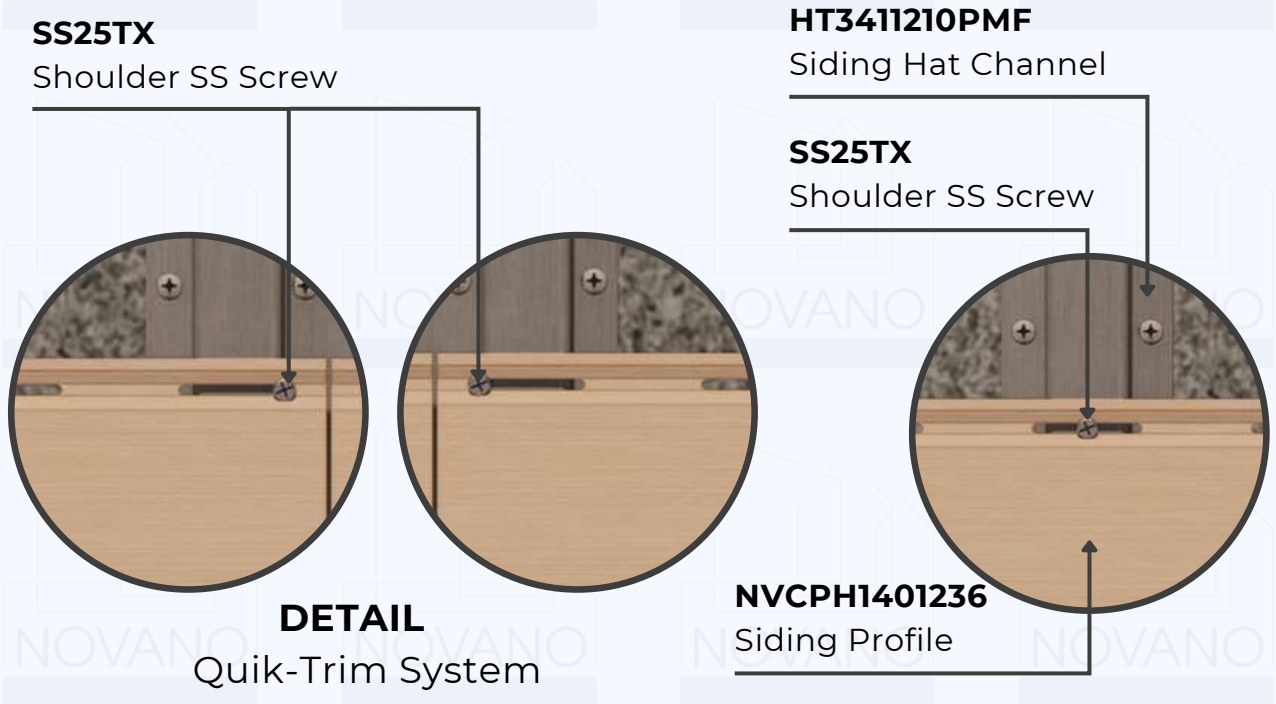
STEP 4.1.3

Install SS25TX 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.

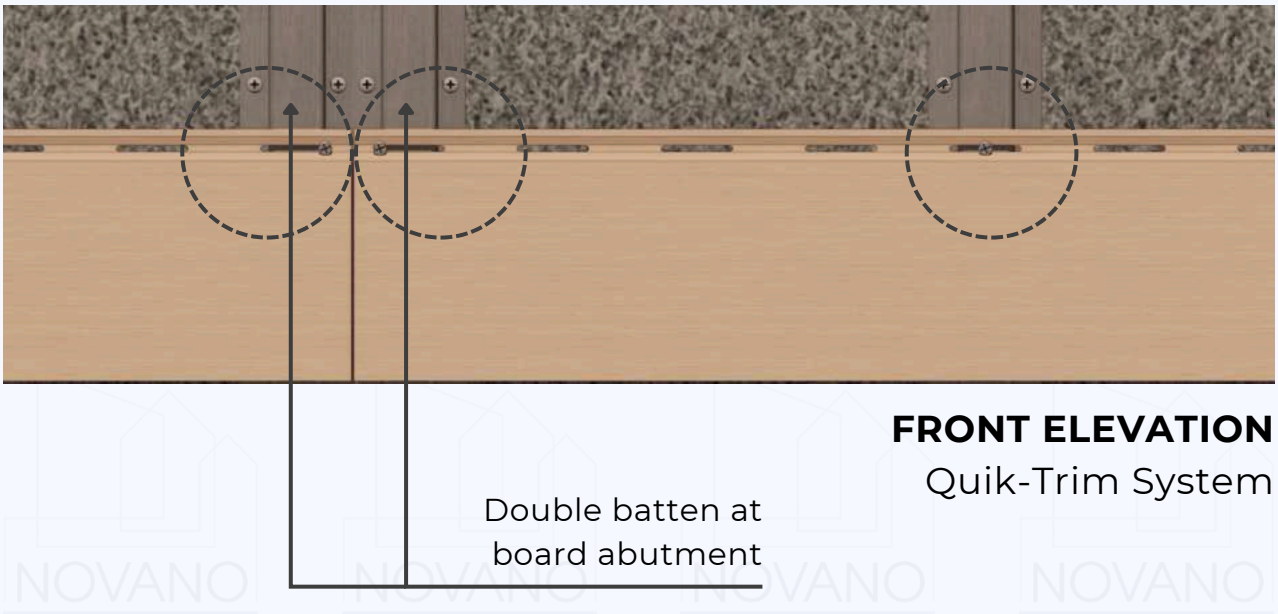


STEP 4.1.4

Install one SS25TX 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.



DETAIL
Quik-Trim System



FRONT ELEVATION
Quik-Trim System

STEP 4.1.5

Hook the groove end of the next board onto the tongue of the installed siding board.

STEP 4.1.6

Continue installing siding boards as outlined in Section 4: “2 Board Wide Installation without the Aluminum Quik-Trim H-mold” and follow steps 3.8 and 3.9 in Section 3 to finish the installation.

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

STEP 4.2.1

Follow Steps 3.1, 3.2 and 3.3 from Section 3.

STEP 4.2.2

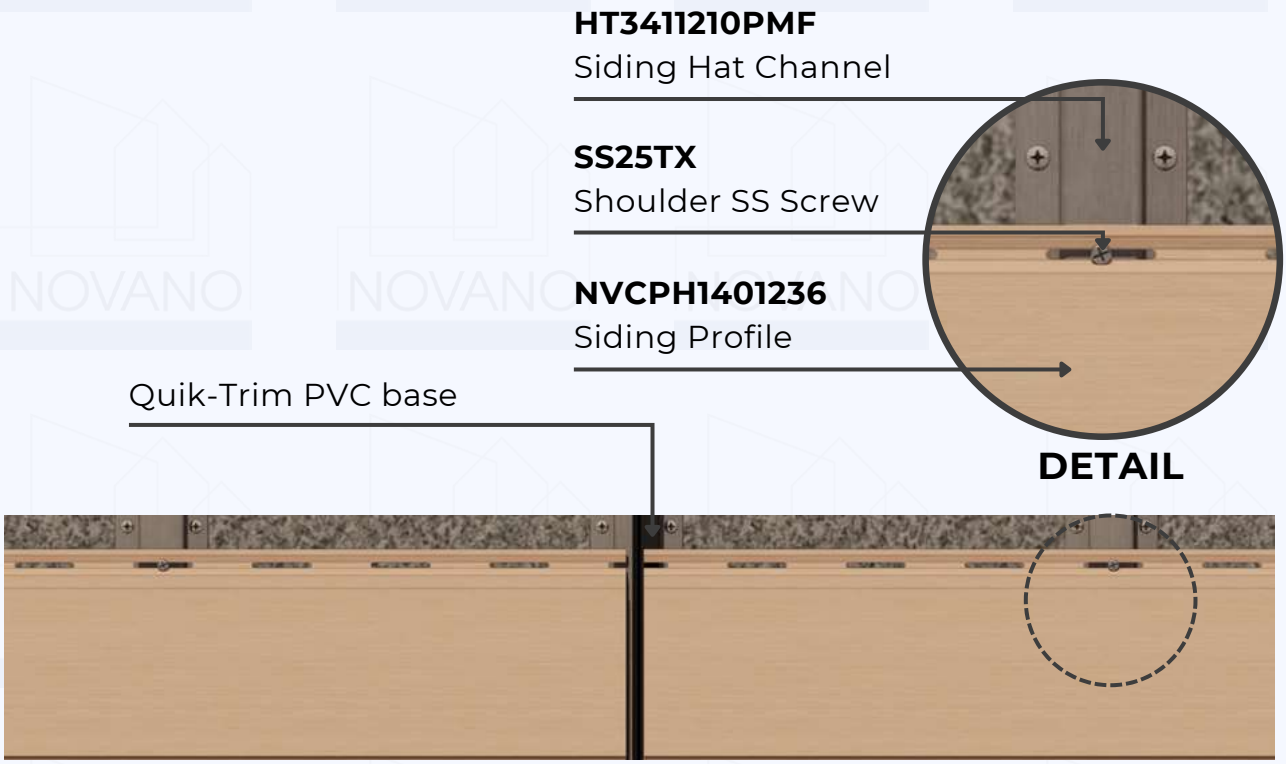
Install the Quik-Trim PVC base into the hat channel where the aluminum Quik-Trim H-mold will be installed.

DETAIL
Quik-Trim System

FRONT ELEVATION
Quik-Trim System

STEP 4.2.3

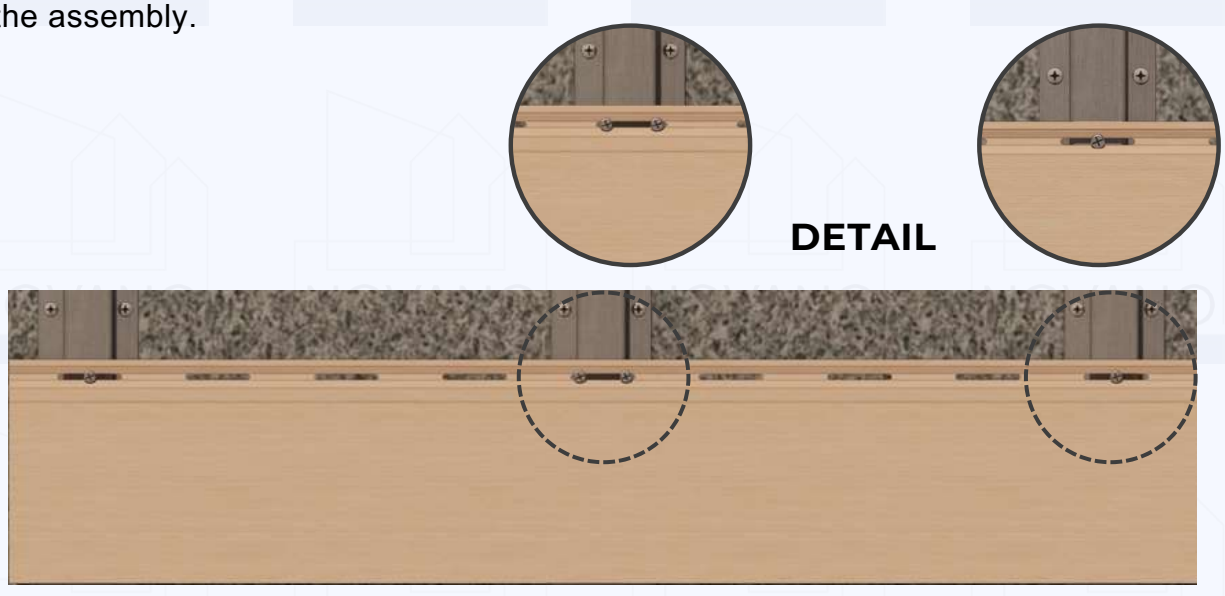
Follow steps 3.4, 3.5, and 3.6 of Section 3 and install SS25TX screws or #8 screws into all slotted holes except the center hole. DO NOT over-tighten the screws. The screws should be placed in the center of the slotted hole and loose enough to allow the board to move freely from side to side to allow for expansion and contraction.



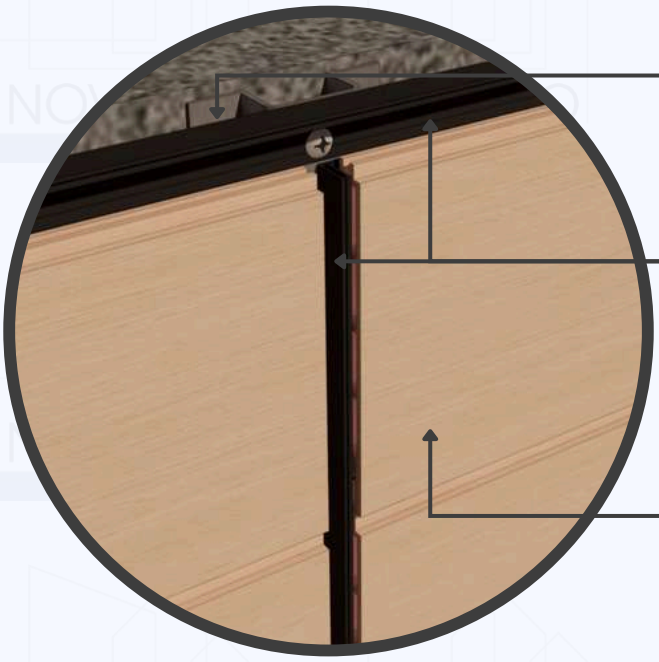
FRONT ELEVATION
Quik-Trim System

STEP 4.2.4

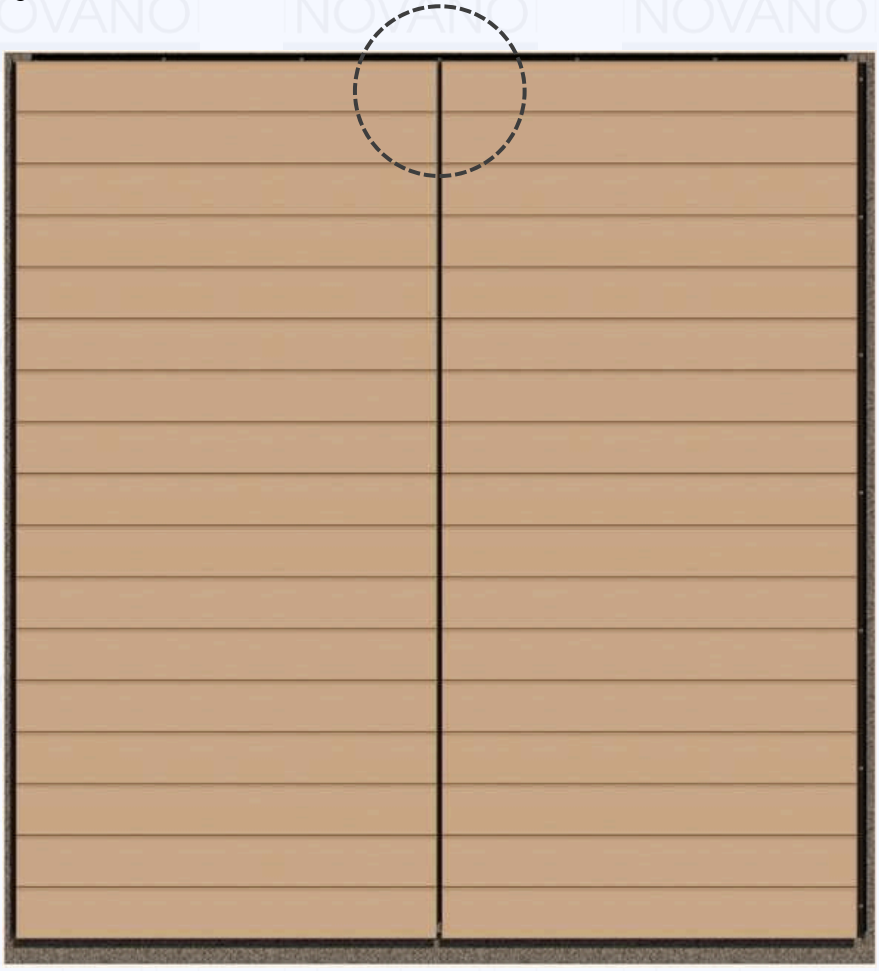
Install the final two SS25TX screws closest to the ends in the slotted hole in the center of the board. This will allow for expansion and contraction evenly to each side of the assembly.



FRONT ELEVATION
Quik-Trim System



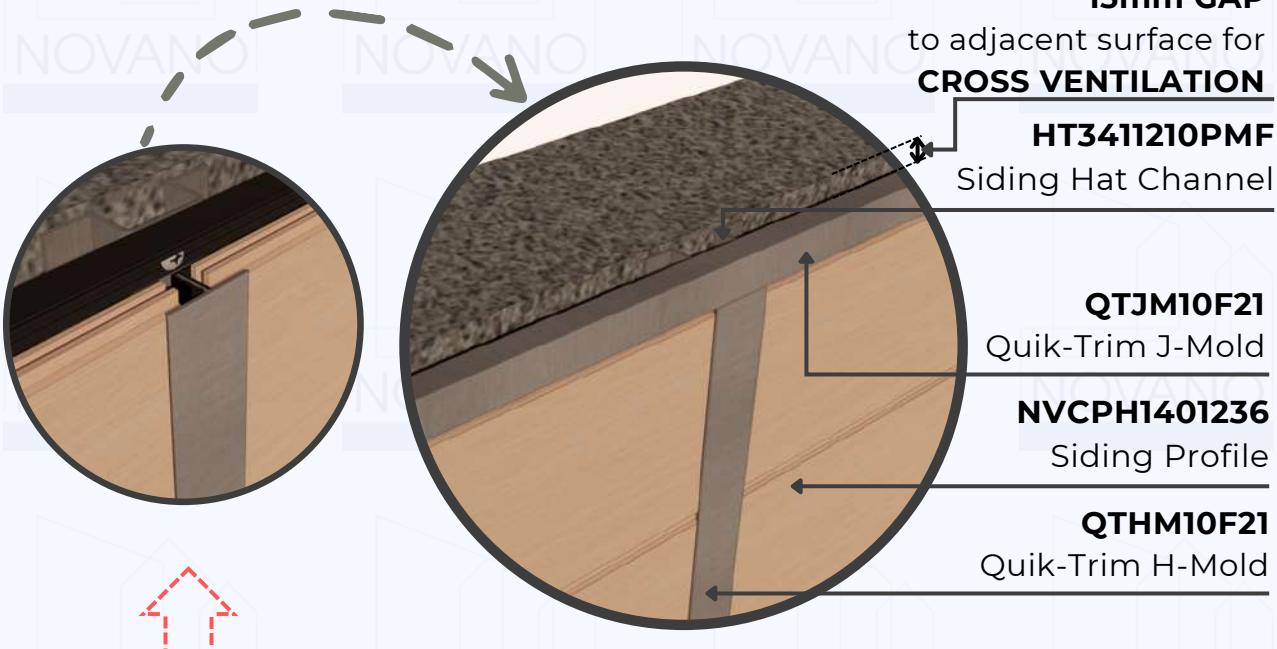
DETAIL
Quik-Trim System



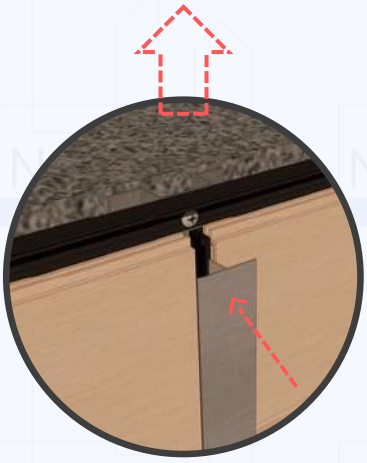
FRONT ELEVATION
Quik-Trim System

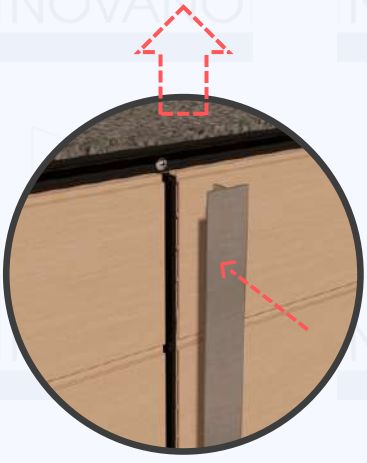
STEP 4.2.5

After the installation of the last siding board, finally install all the aluminum trim on the PVC base to finish the installation.

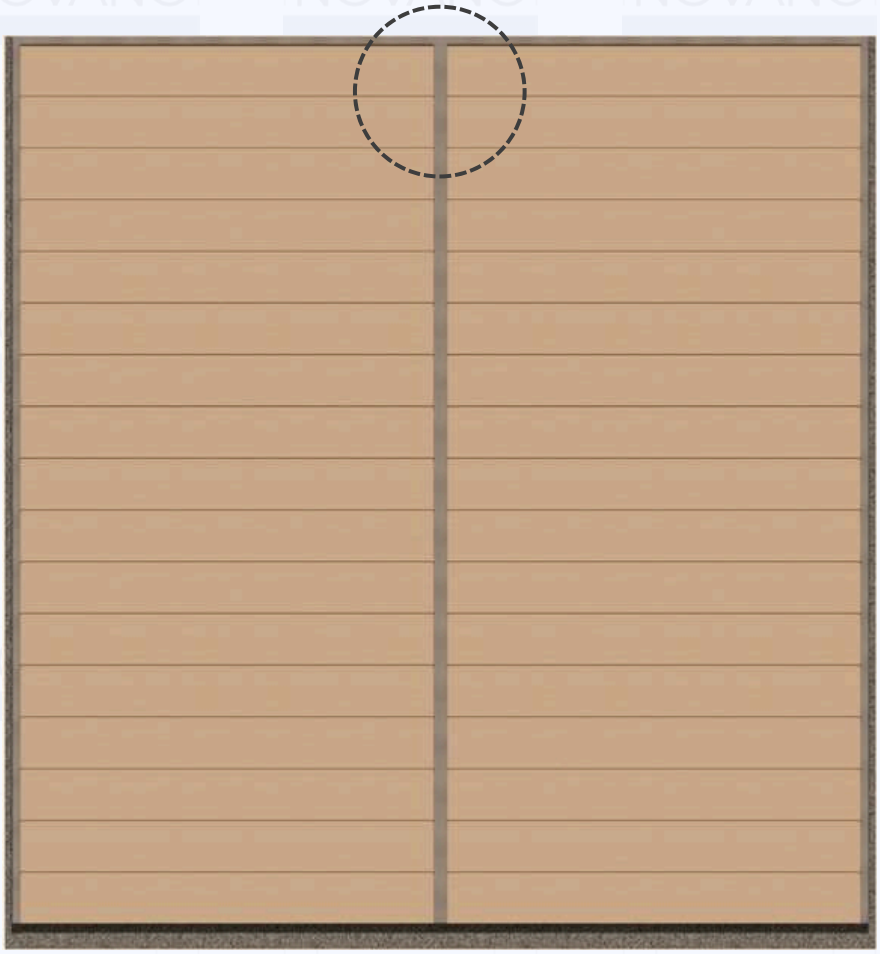


DETAIL
Quik-Trim System





Install the
H-mold into the
PVC base



FRONT ELEVATION
Quik-Trim System

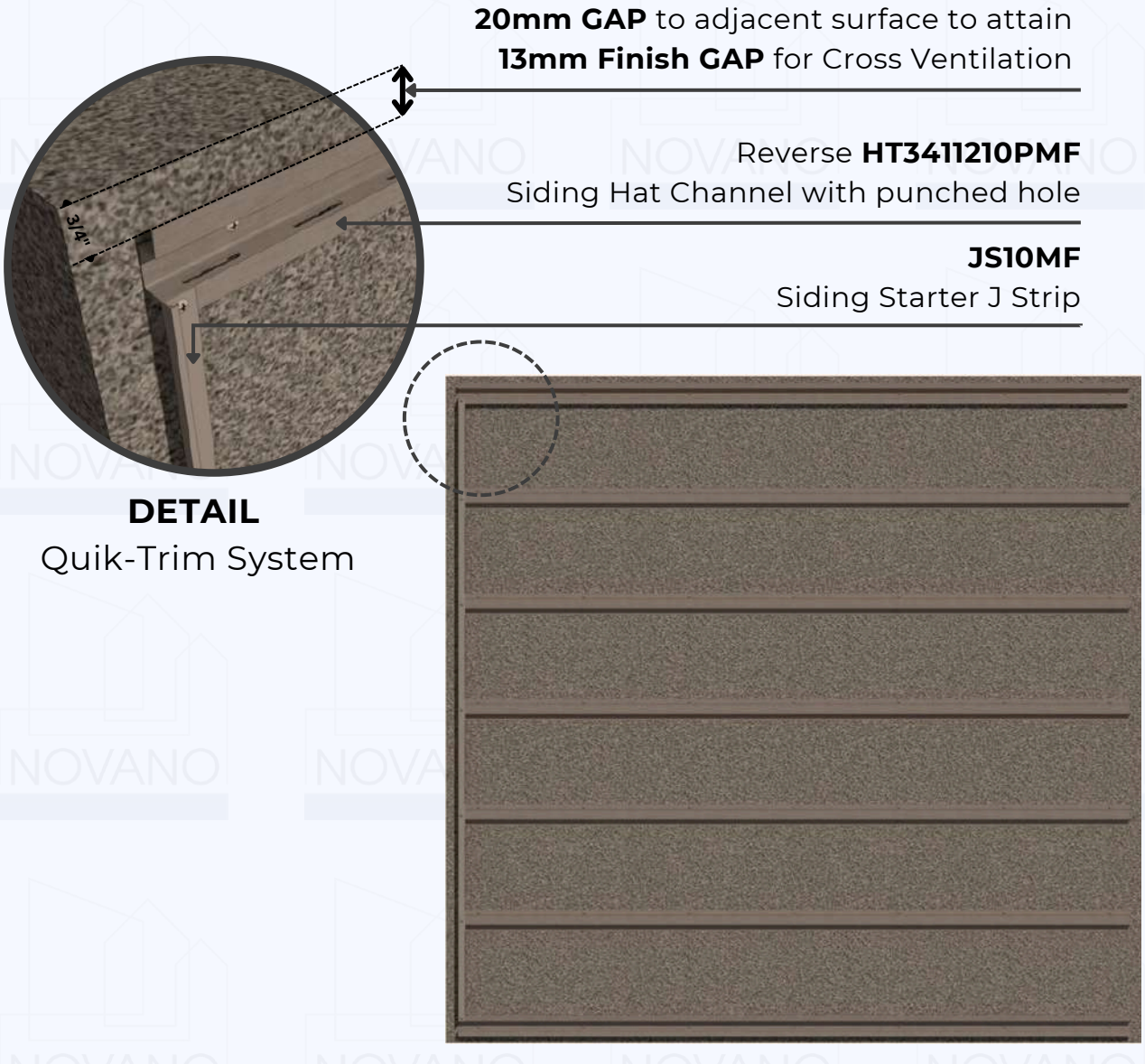
SECTION 5 – Vertical Siding Applications

STEP 5.1

Pre-apply the Quik-Trim PVC base for all finishing trim accessories such as trim around corners, windows, and doors according to the pre-plan layout and following the manufacturer's recommendations. Ensure that all trim is level and square. Battens should be installed horizontally with punched holes.

STEP 5.2

A starter J-strip is required to install the Novano siding board. Attach the starter strip vertically at one end of the batten substructure following the fastener and spacing recommendations in Section 2. The Novano siding boards will hang 13mm beyond the starter strip therefore the starter strip should be attached accordingly per the pre-plan layout. If the siding is starting in a corner the corner attachment and the starter J-strip should be attached at the same time.

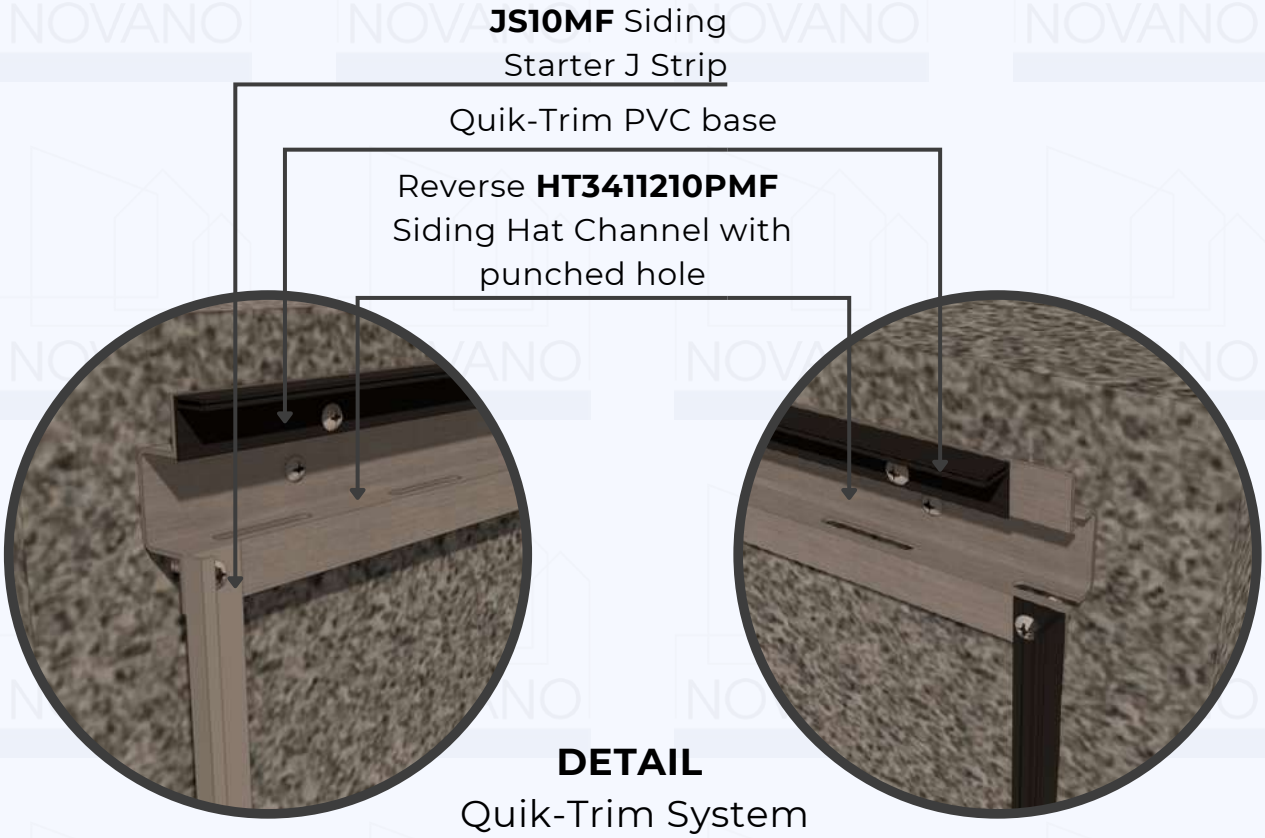


DETAIL
Quik-Trim System

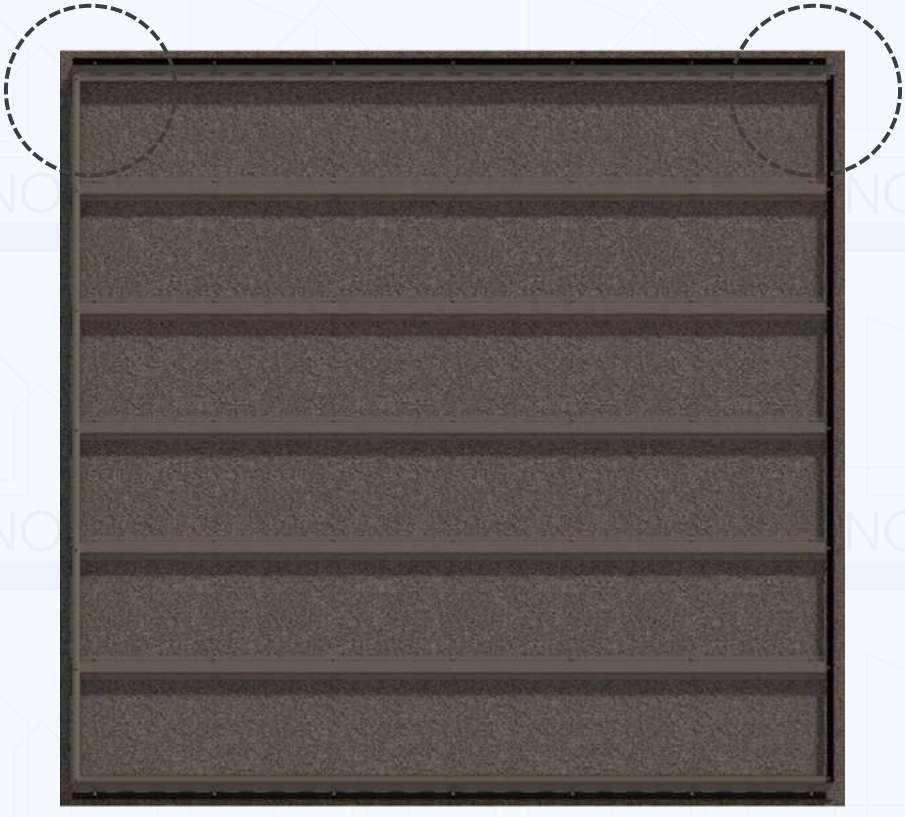
FRONT ELEVATION
Quik-Trim System

STEP 5.3

The Quik-Trim PVC base should be installed at every end of the reverse hat channel and on side of all the hat channels, by screwing on the PVC base on its groove.



DETAIL
Quik-Trim System



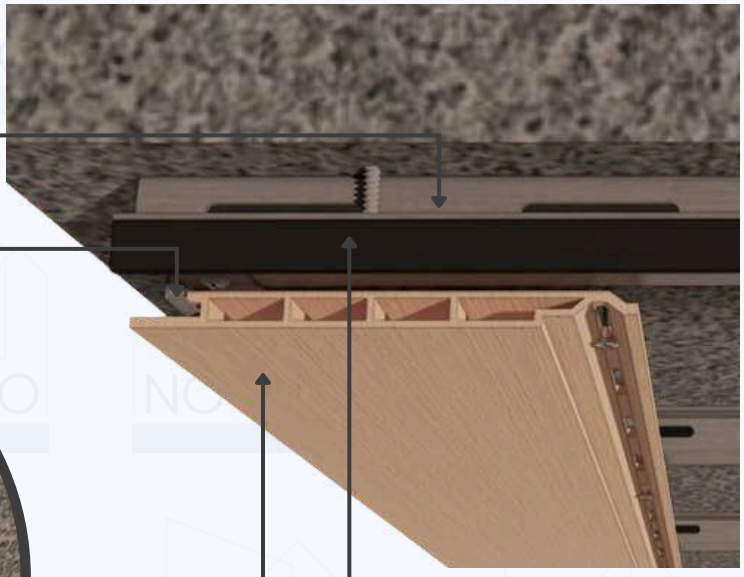
FRONT ELEVATION
Quik-Trim System

STEP 5.4

Hook the groove end of the first siding board into the starter J-strip vertically.

Reverse **HT3411210PMF** Siding Hat Channel with punched hole

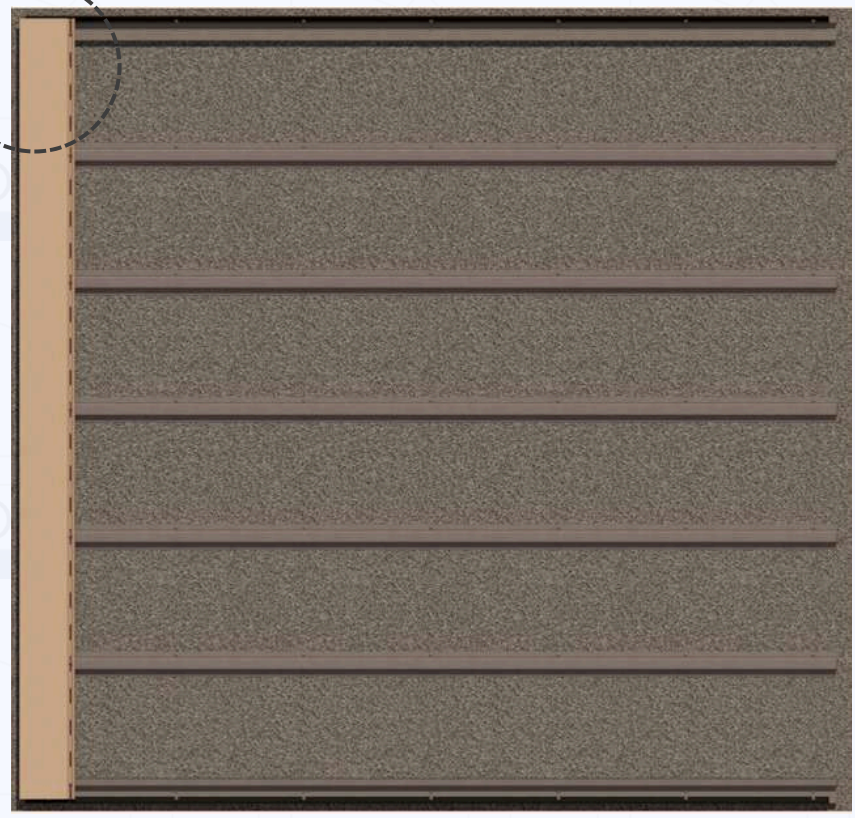
JS10MF Siding Starter J Strip



Quik-Trim PVC base

NVCPH1401236 Siding Profile

DETAIL
Quik-Trim System

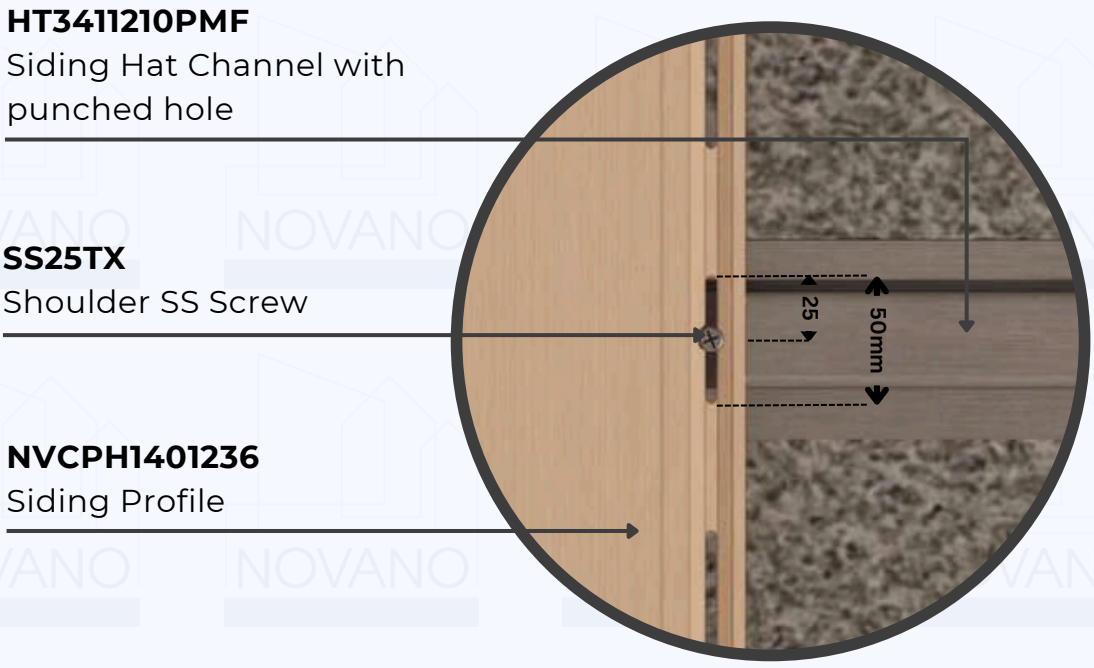


FRONT ELEVATION
Quik-Trim System

STEP 5.5

Continuously install the siding board vertically and install a SS25TX screw or a #8 screw into the slotted hole at the top of the siding board. DO NOT over-tighten this screw. This screw should be placed at the top of the slotted hole and loose enough to allow the board to move freely in the vertical direction allowing for expansion and contraction.

DETAIL
Quik-Trim System



DETAIL
Quik-Trim System

Special Requirement

By following these installation guides for vertical installation methods ALL expansion and contraction will happen at the bottom of the board. Gap the bottom of the board properly based on installation needs.

Note

If installing more than one board in height, please refer to Section 6 – Vertical Multi-Board Siding Applications

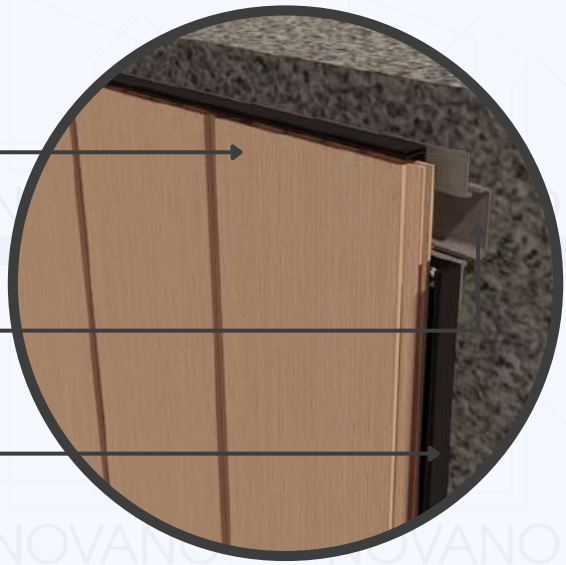
STEP 5.6

Continue installing siding boards vertically as outlined in Section 5 until the last siding board is installed.

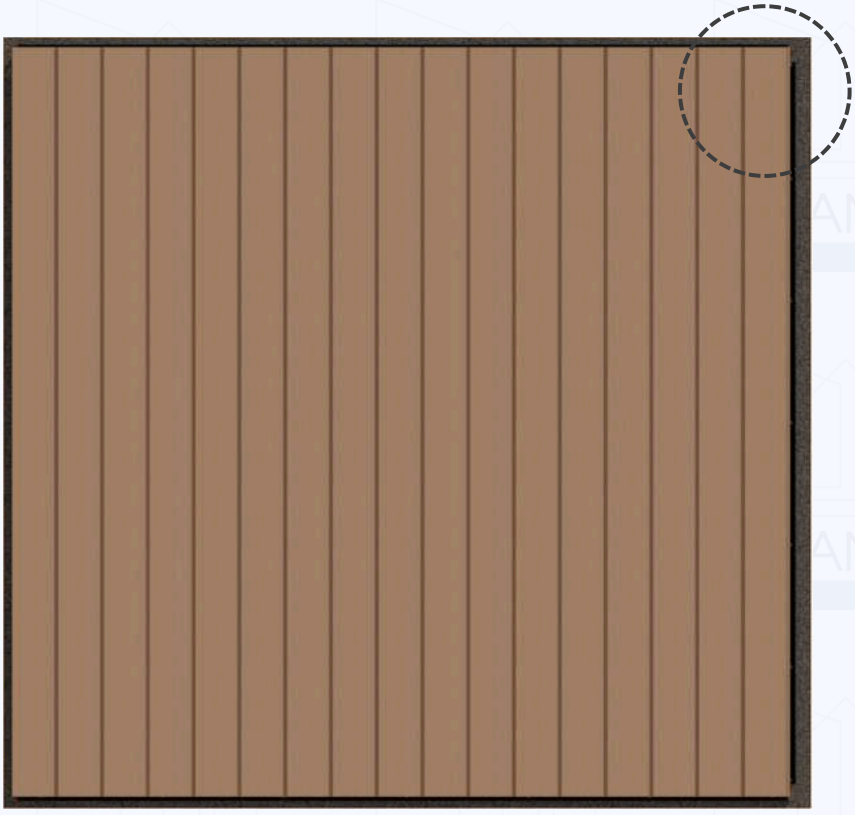
NVCPH1401236
Siding Profile

Reverse **HT3411210PMF**
Siding Hat Channel with punched hole

Quik-Trim
PVC base



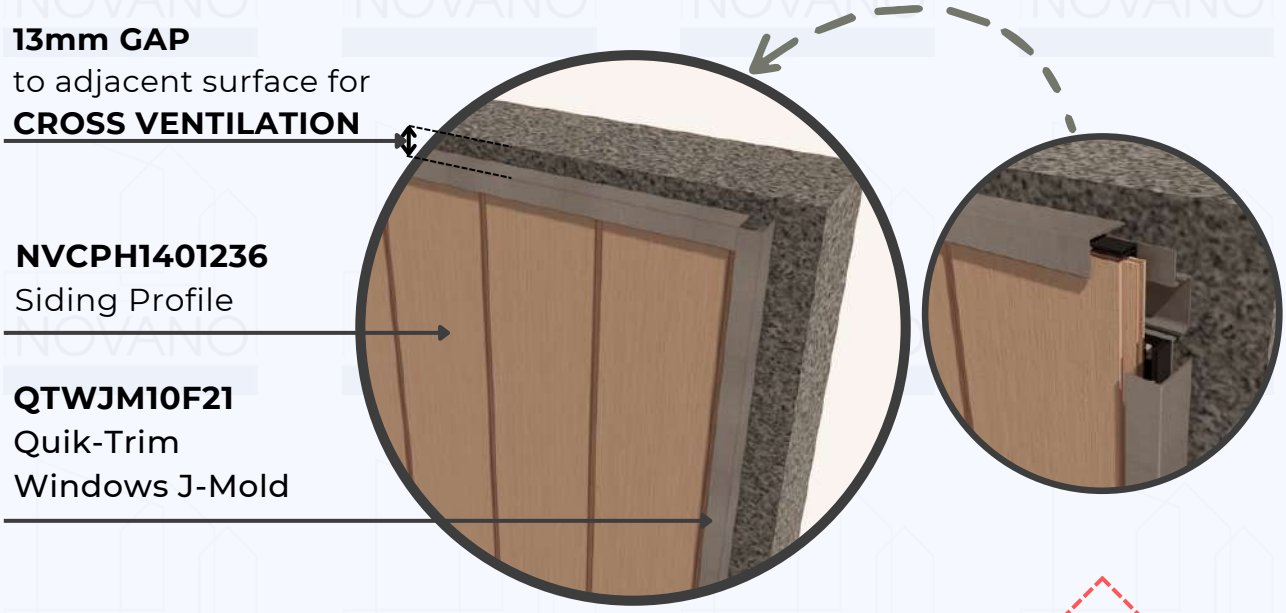
DETAIL
Quik-Trim System



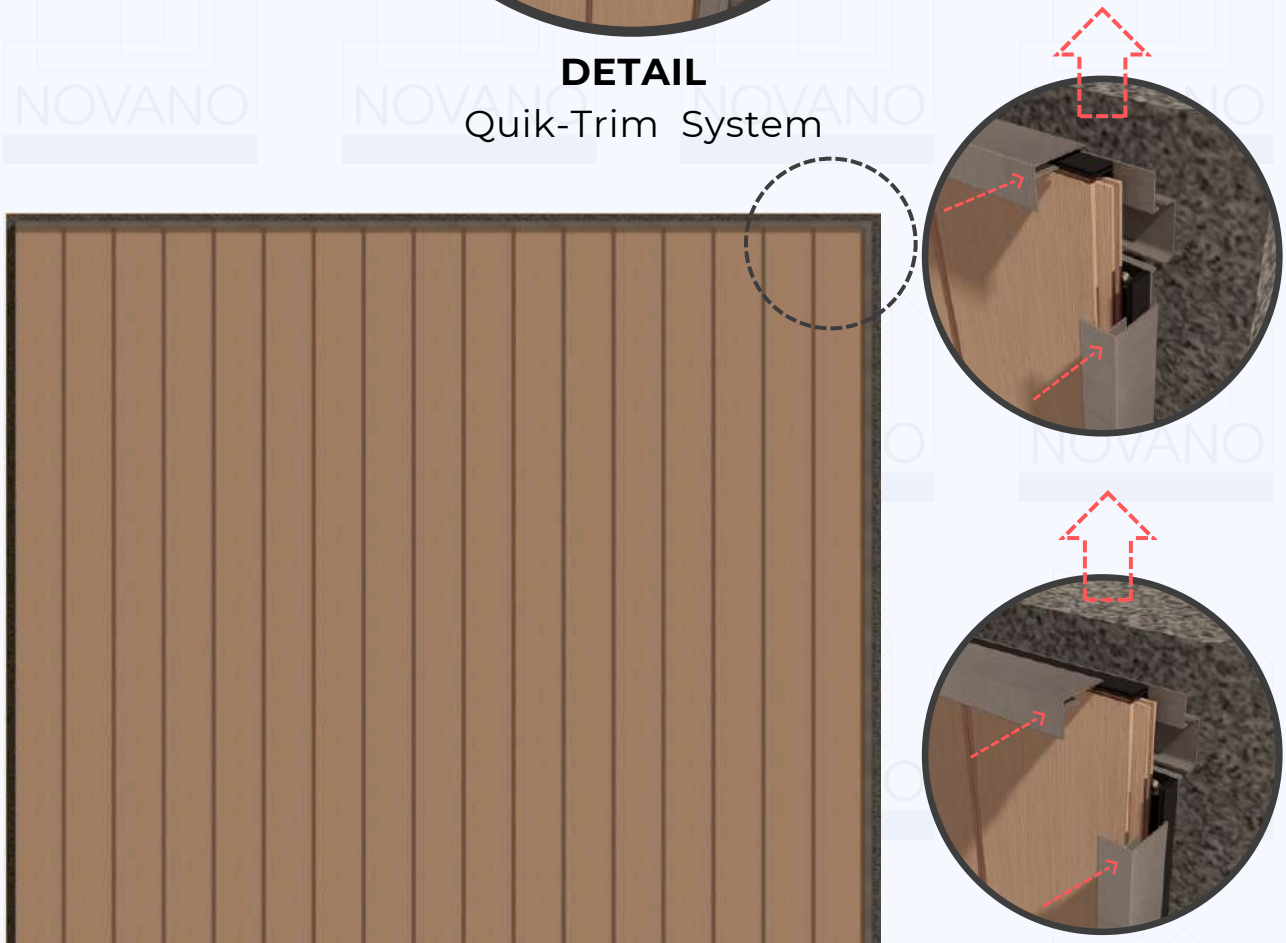
FRONT ELEVATION
Quik-Trim System

STEP 5.7

After the installation of the last vertical siding board, finally install on all the aluminum trim on the PVC base to finish the installation.



DETAIL
Quik-Trim System



Install the window J-mold into the PVC base

FRONT ELEVATION
Quik-Trim System

SECTION 6 – Multi-Board Vertical Siding Applications

2 Board High Installation without the Aluminum Quik-Trim H-mold (7315mm max width)

STEPS 6.1.1

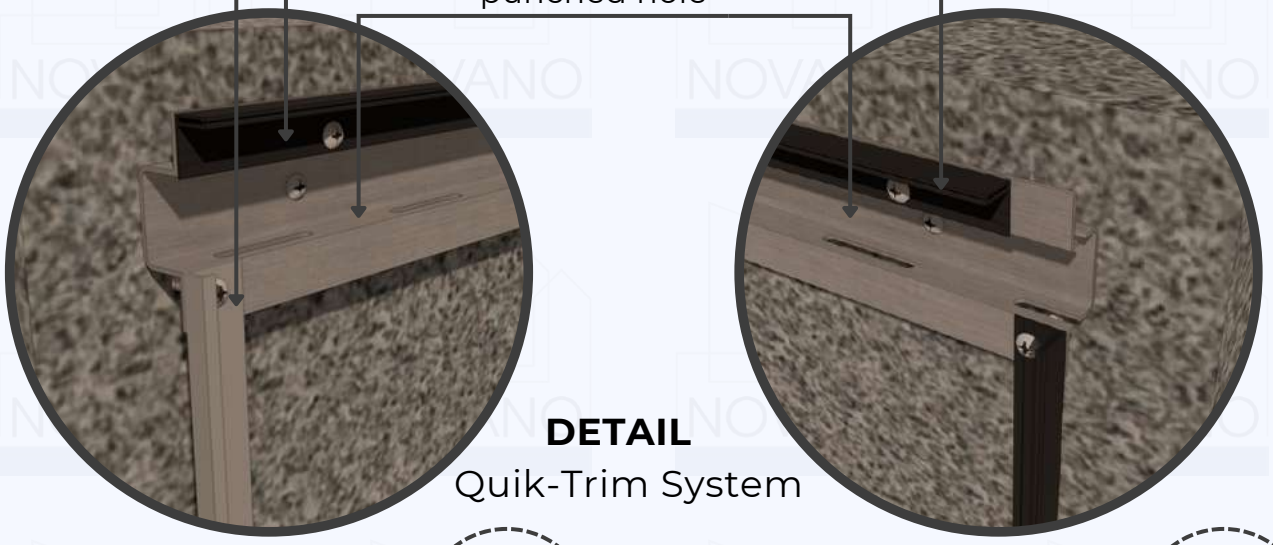
Ensure that two battens have been installed horizontally where boards are to be installed end to end.

DETAIL
Quik-Trim System

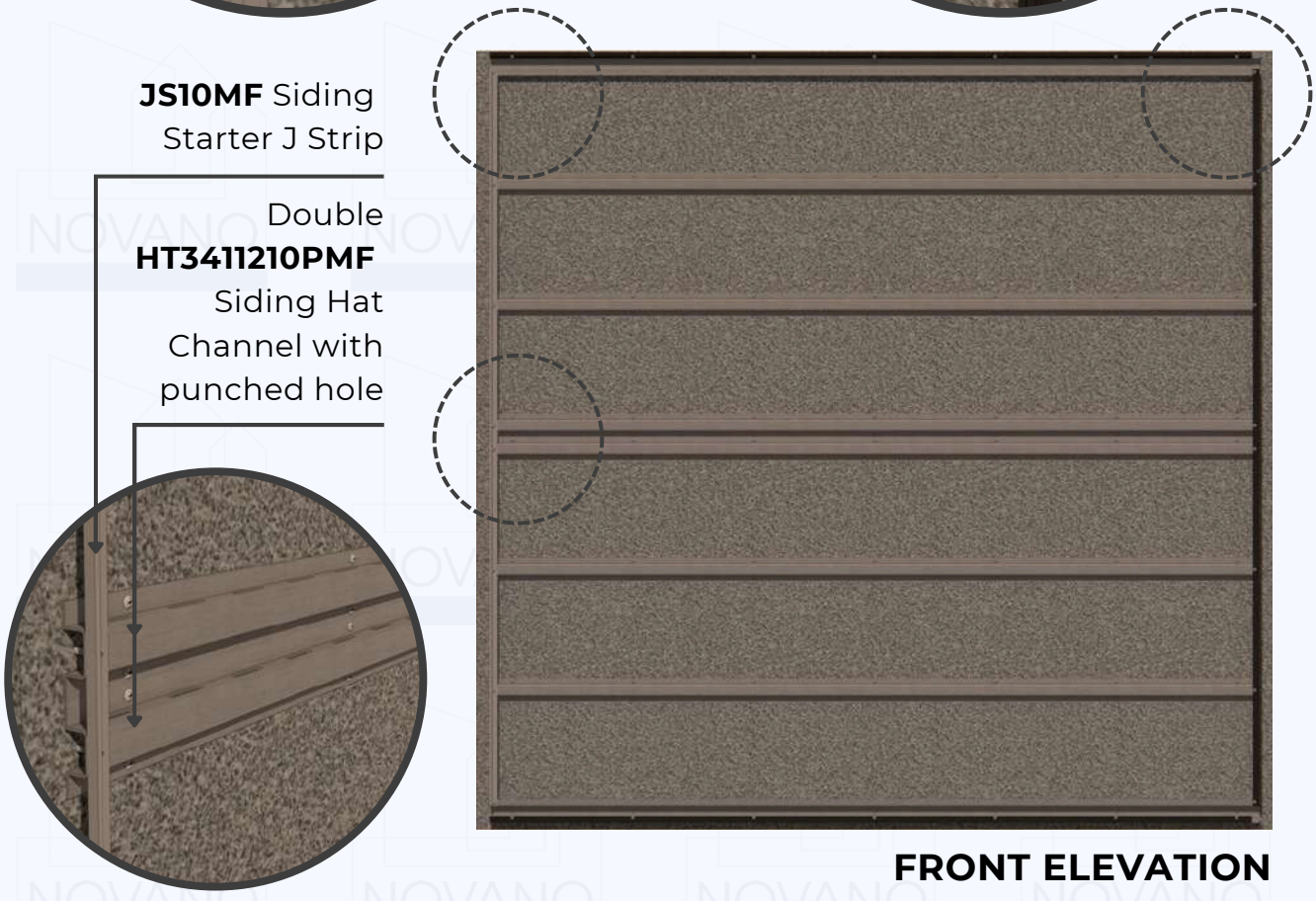
FRONT ELEVATION
Quik-Trim System

STEP 6.1.2

The Quik-Trim PVC base should be installed at every end of the reverse hat channel and on side of all the hat channels, by screwing on the PVC base on its groove.



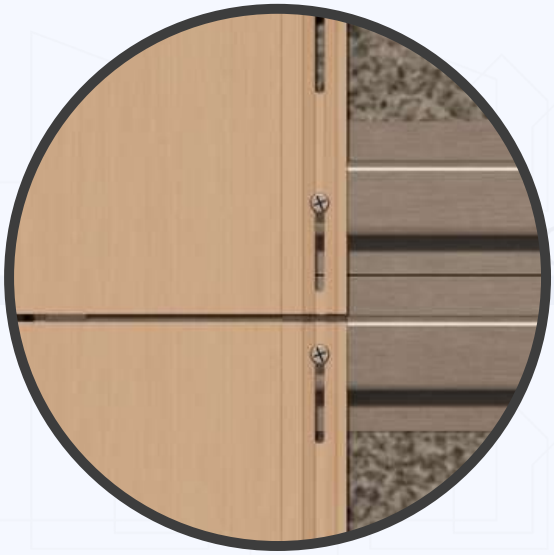
DETAIL
Quik-Trim System



FRONT ELEVATION
Quik-Trim System

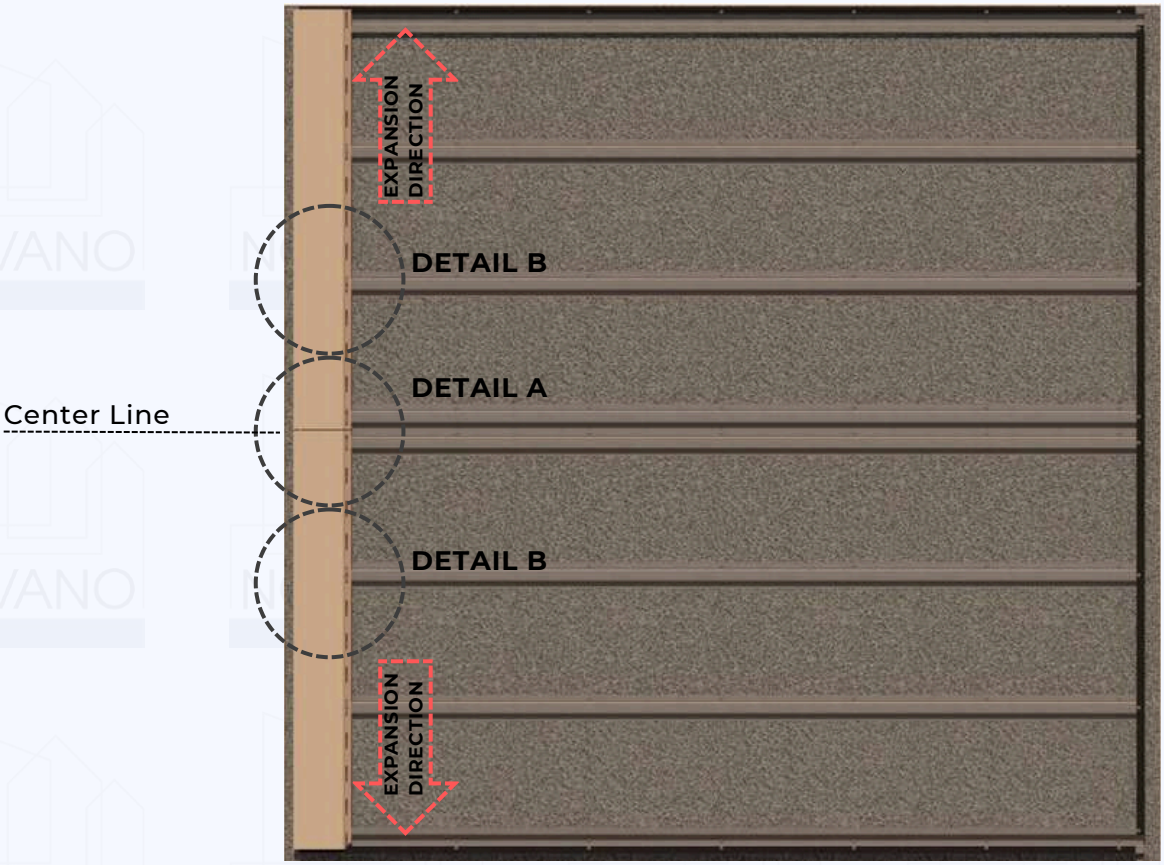
STEP 6.1.3

Follow step 5.4 of Section 5 and install the top siding board by butting it against the bottom siding board and securing the SS25TX screw into the slotted hole at the bottom of the siding board. This screw should be placed at the top of the slotted hole and snug to the siding board to allow the board to move freely in the vertical direction allowing for expansion and contraction.

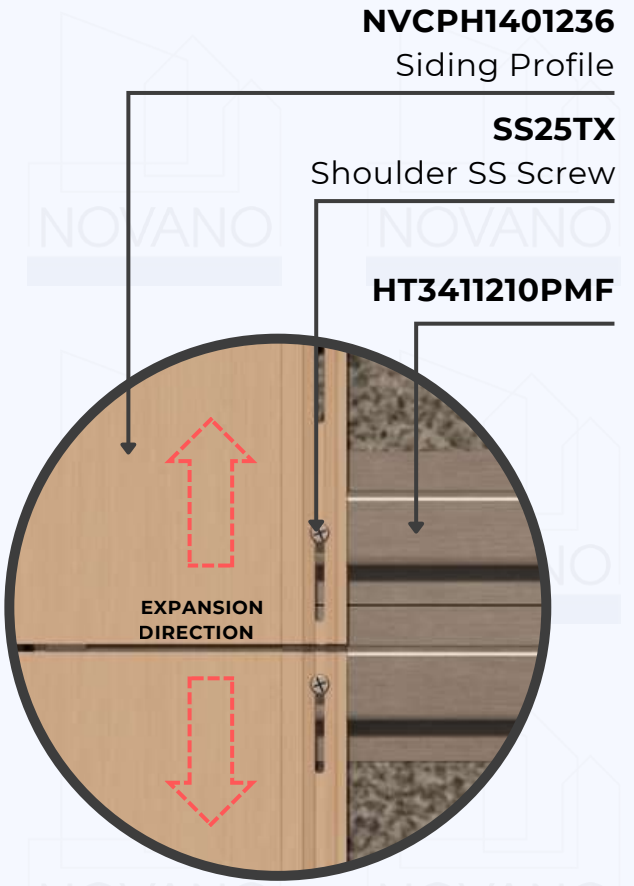


DETAIL A

DETAIL B

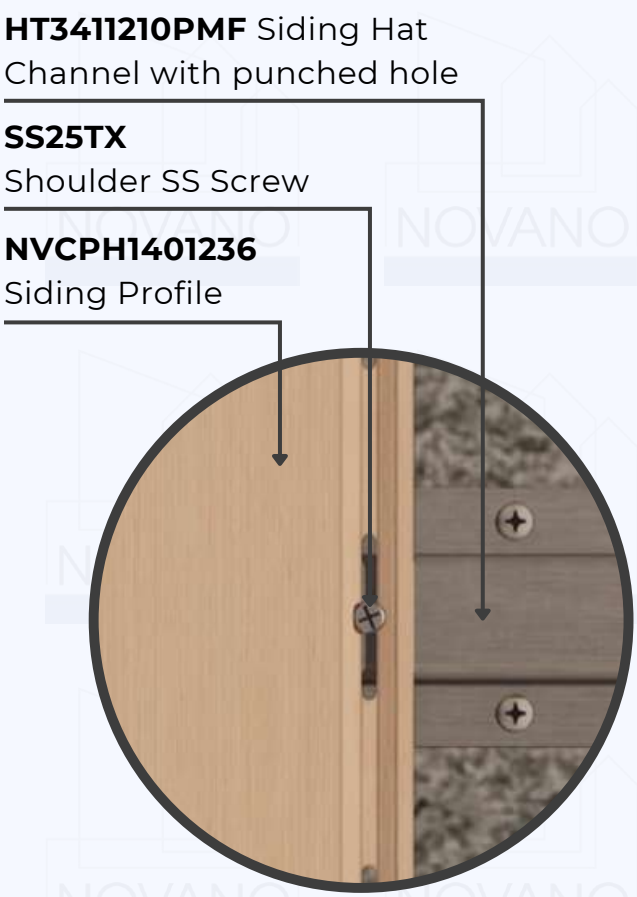


FRONT ELEVATION
Quik-Trim System



DETAIL A

Hard fasten the screw in the center of the Hat Channel but on the top most part of the Siding boards slotted

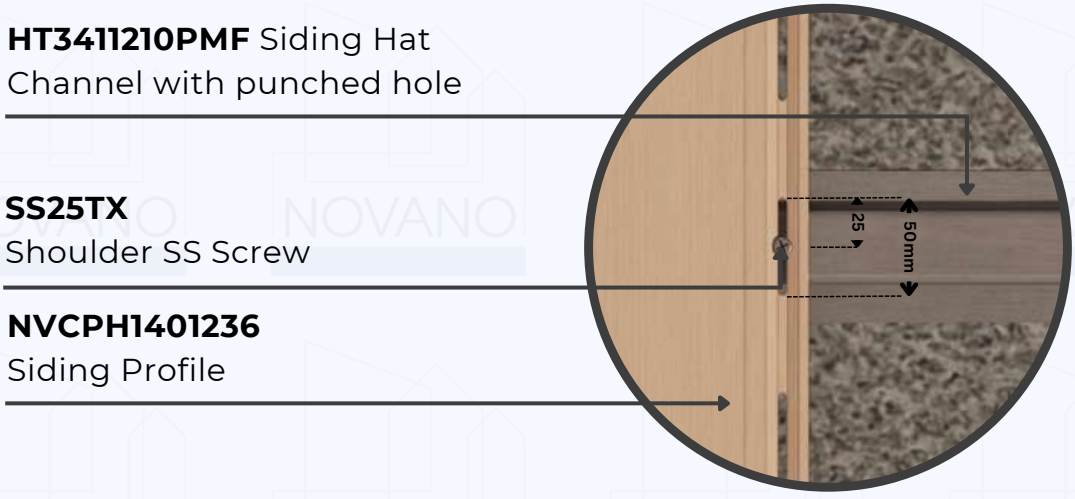


DETAIL B

Loose fasten the screw in the center of the Hat Channel and Siding board slotted hole.

STEP 6.1.4

Continuously install the siding board vertically and install SS25TX screws into the remaining slotted holes for the top siding board. DO NOT over-tighten the screws. These screws should be placed in the center of the slotted hole and loose enough to allow the board to move freely in the vertical direction allowing for expansion and contraction.

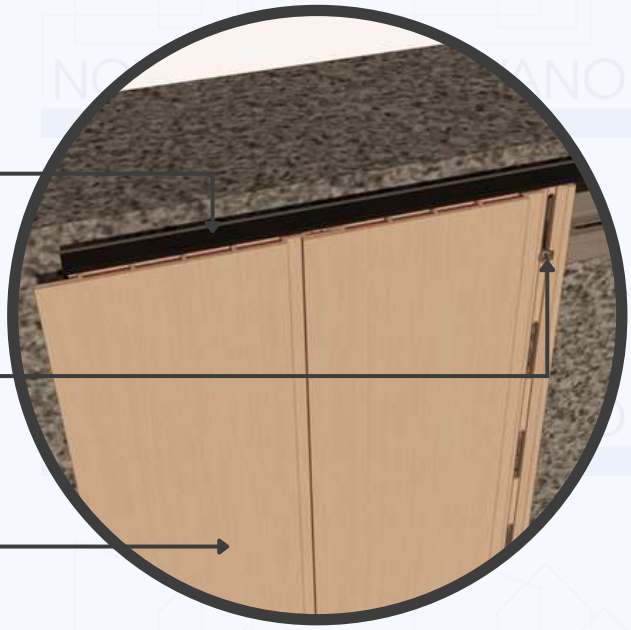


FRONT ELEVATION

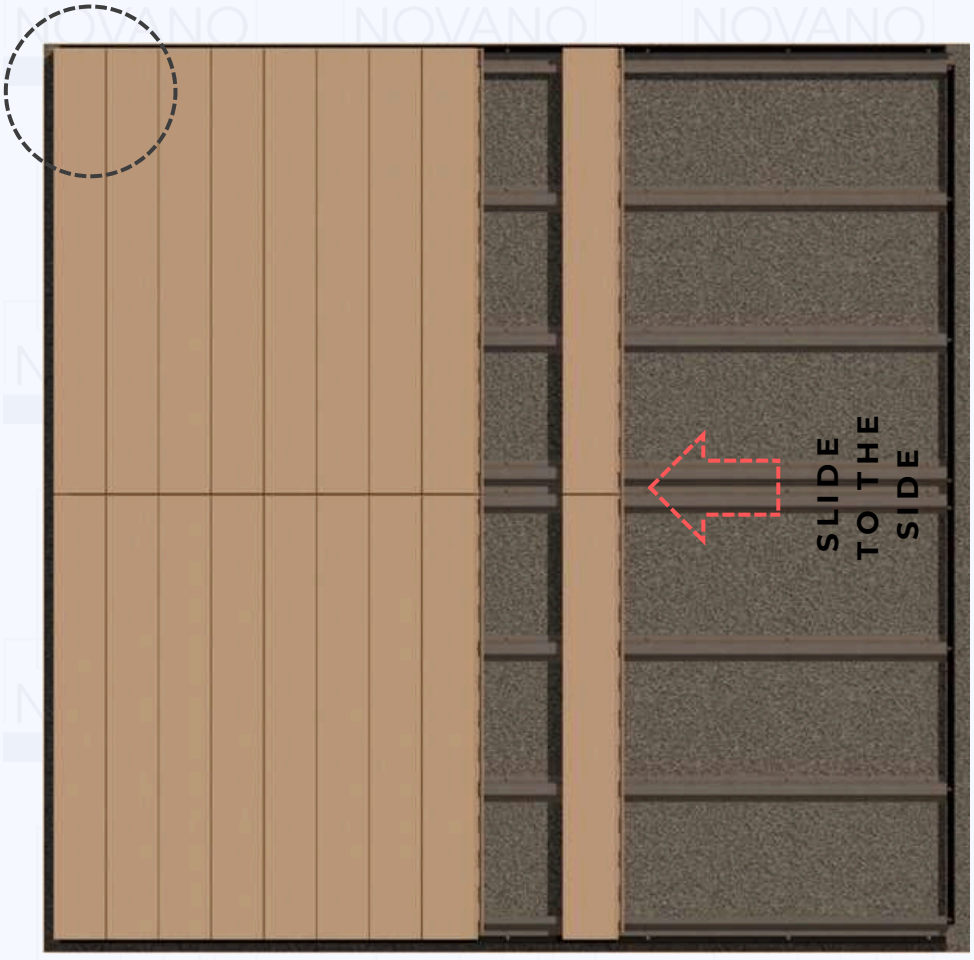
Quik-Trim System System

STEP 6.1.5

Hook the groove end of the next board onto the tongue of the installed siding.



DETAIL
Quik-Trim System



FRONT ELEVATION
Quik-Trim System

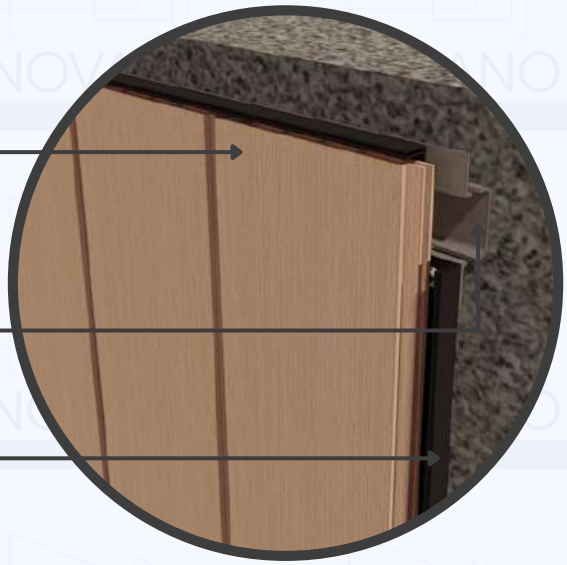
STEP 6.1.6

Continue installing siding boards vertically as outlined in Section 5 until the last siding board is installed.

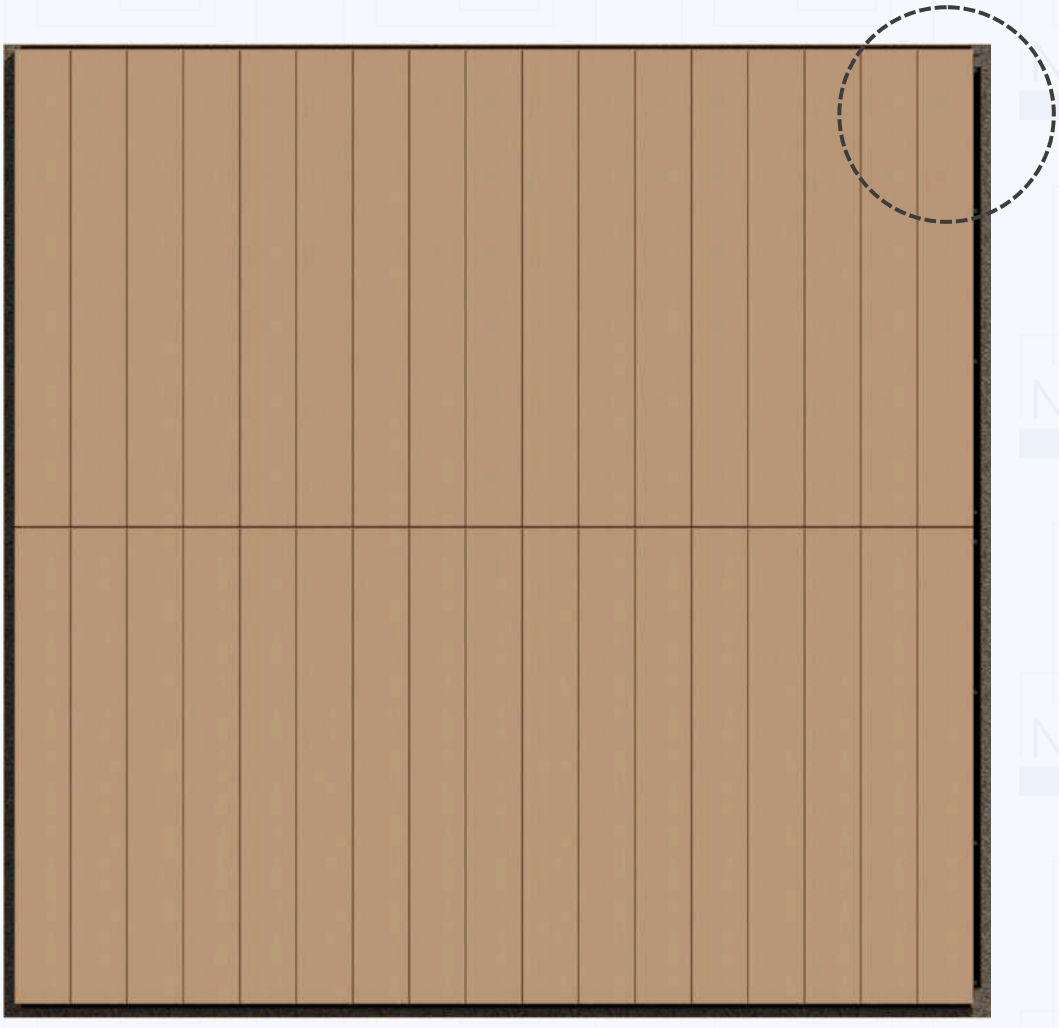
NVCPH1401236
Siding Profile

Reverse **HT3411210PMF**
Siding Hat Channel with punched hole

Quik-Trim
PVC base



DETAIL
Quik-Trim System



FRONT ELEVATION
Quik-Trim System

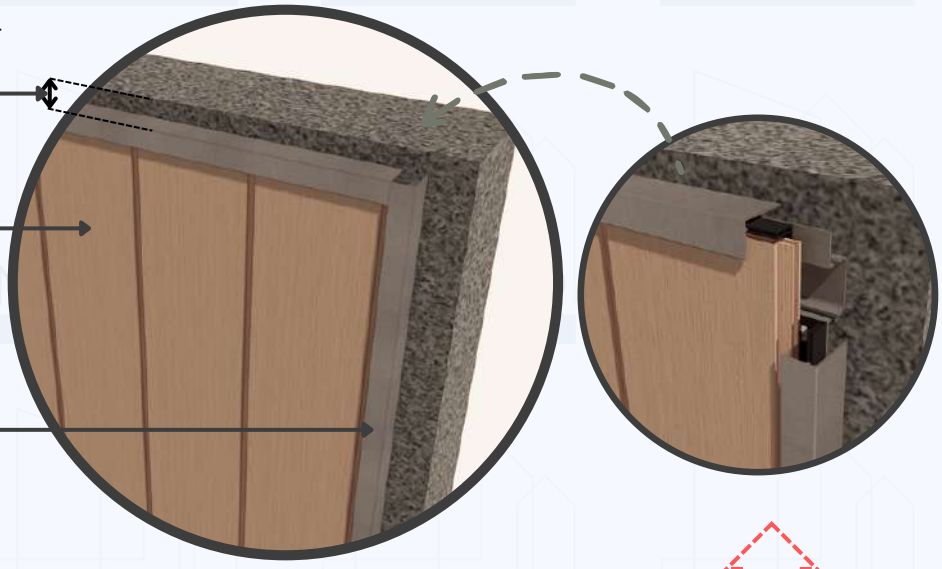
STEP 6.1.7

After the installation of the last vertical siding board as outlined in Section 6: “2 Board High Installation without the H-Channel Trim”, finally intall on all the aluminum Quik- Trim on the PVC base to finish the installation.

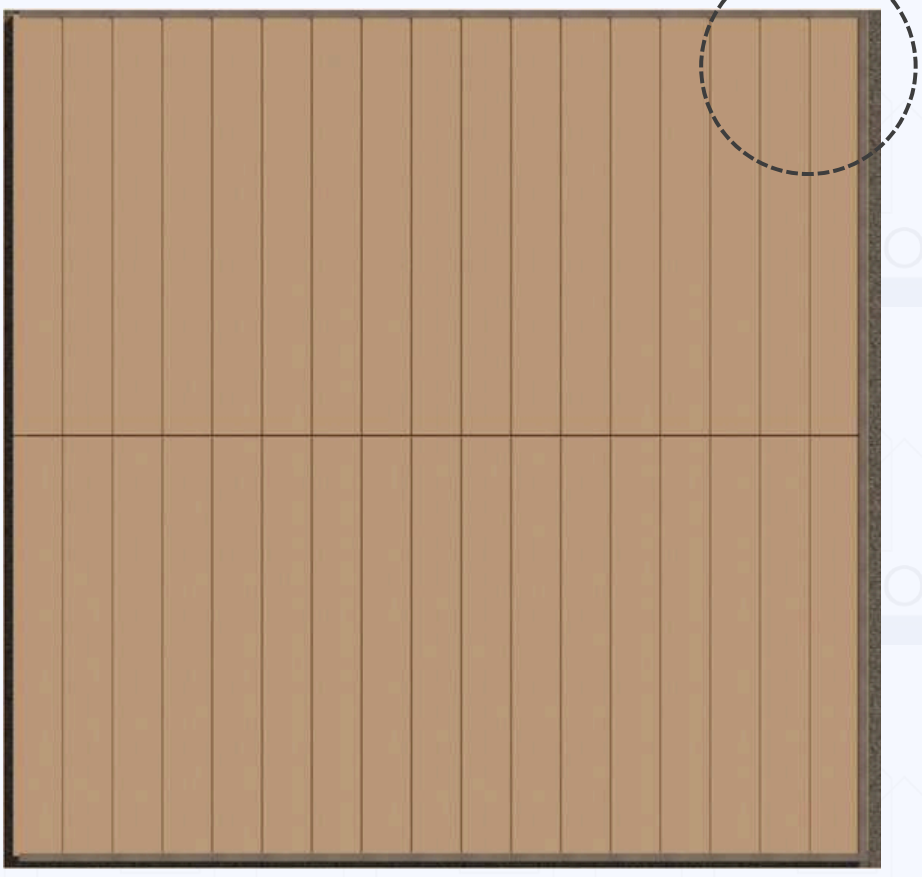
13mm GAP
to adjacent surface for
CROSS VENTILATION

NVCPH1401236
Siding Profile

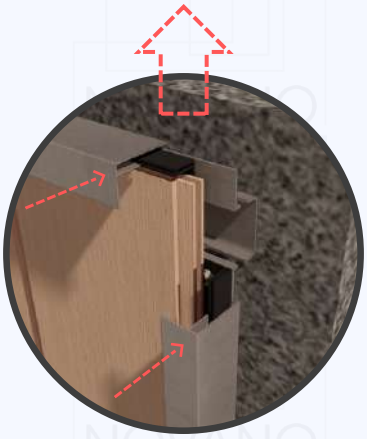
QTWJM10
Quik-Trim
Windows J-Mold

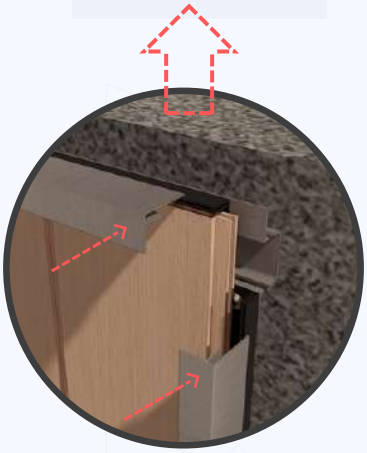


DETAIL
Quik-Trim System



FRONT ELEVATION
Quik-Trim System





Install the window J-mold into the PVC base

Multi-Board Vertical Siding High Installation using the Aluminum Quik-Trim H-Mold

STEP 6.2.1

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

STEP 6.2.2

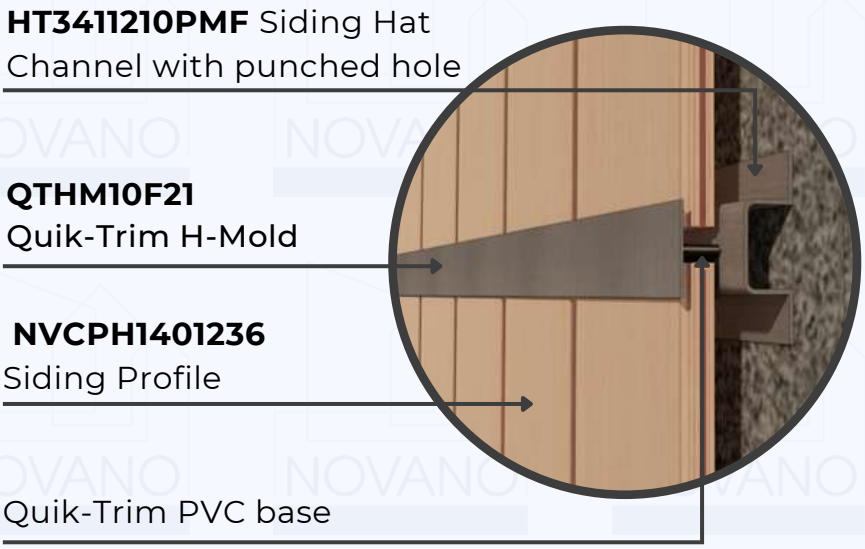
Follow Steps 5.2, 5.3, and 5.4 from Section 5 to install the Quik-trim trim, starter J-strip, and hook in the 1st siding board. Install another Quik-trim PVC base horizontally into the hat channel where the H-mold aluminum trim will be installed at each board abutment joint to cover the ends of the Novano siding board. This is an option for installations using 3 or more boards abutted end-to-end. None of the Siding Trim should be installed horizontally unless weep holes are drilled at 200mm intervals to allow for moisture to escape from behind the face flange.

STEP 6.2.3

Install SS25TX screw into the slotted hole at the top of the siding board. DO NOT over tighten this screw. This screw should be placed at the top of the slotted hole and loose enough to allow the board to move freely in the vertical direction allowing for expansion and contraction.

STEP 6.2.4

Hook the groove end of the next board onto the tongue of the installed siding board. Proper gapping between the siding boards and Quik-trim PVC base for the H-mold aluminum trim finishing.



DETAIL
Quik-Trim System

STEP 6.2.5

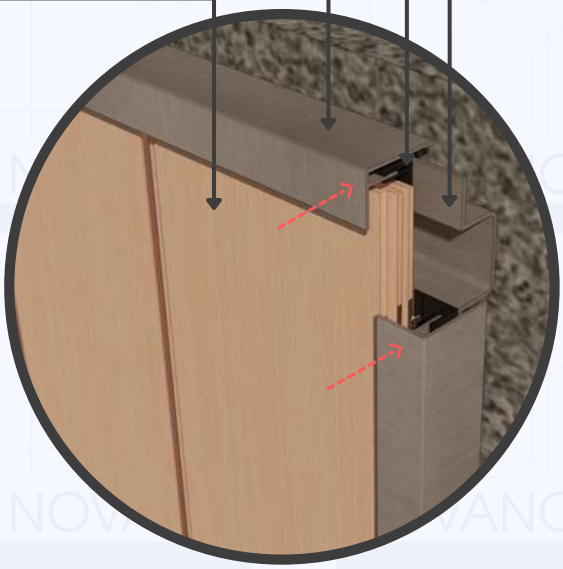
Continue installing siding boards vertically as outlined in Section 5 until the last siding board is installed. After the installation of the last siding board, finally install on all the aluminum trim on the Quik-Trim PVC base to finish the installation.

Reverse **HT3411210PMF** Siding Hat Channel with punched hole

Quik-Trim PVC base

QTJM10F21

NVCPH1401236 Siding Profile



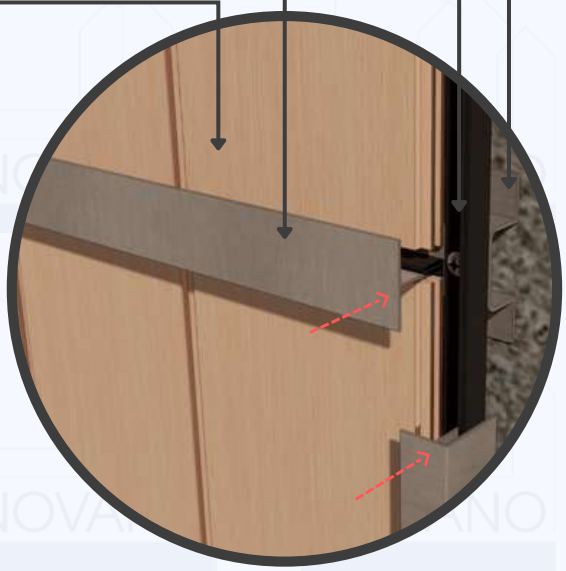
DETAIL A

HT3411210PMF Siding Hat Channel with punched hole

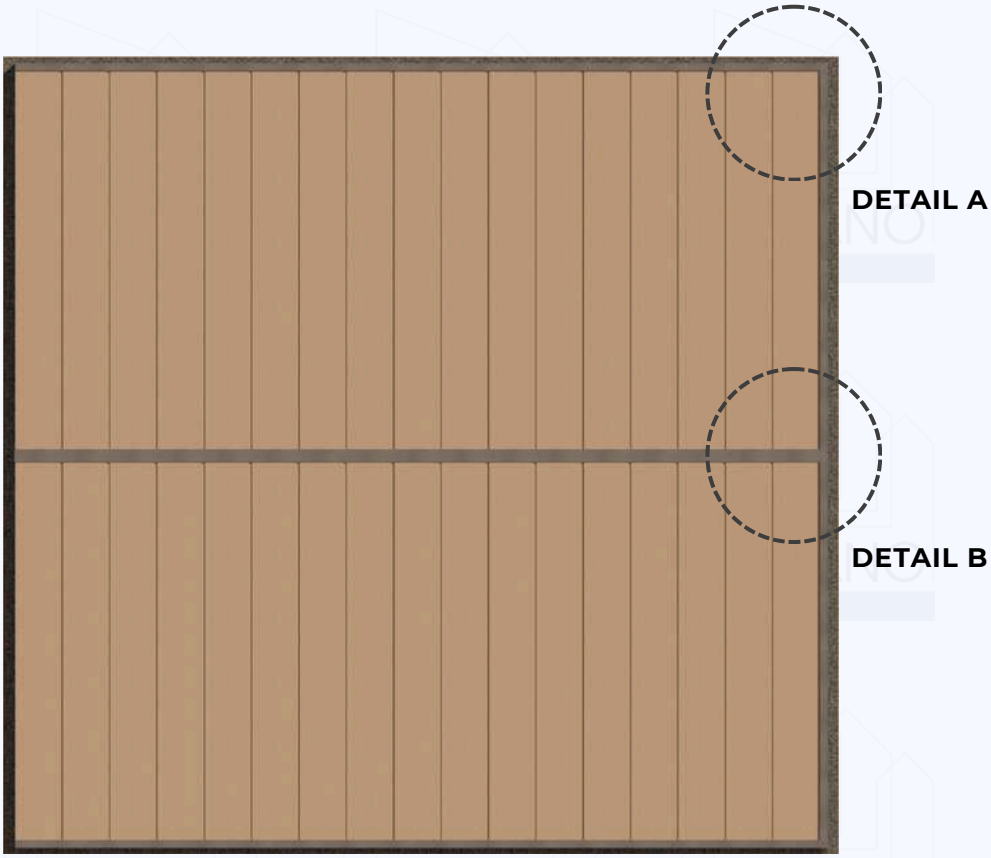
Quik-Trim PVC base

QTHM10F21

NVCPH1401236 Siding Profile



DETAIL B

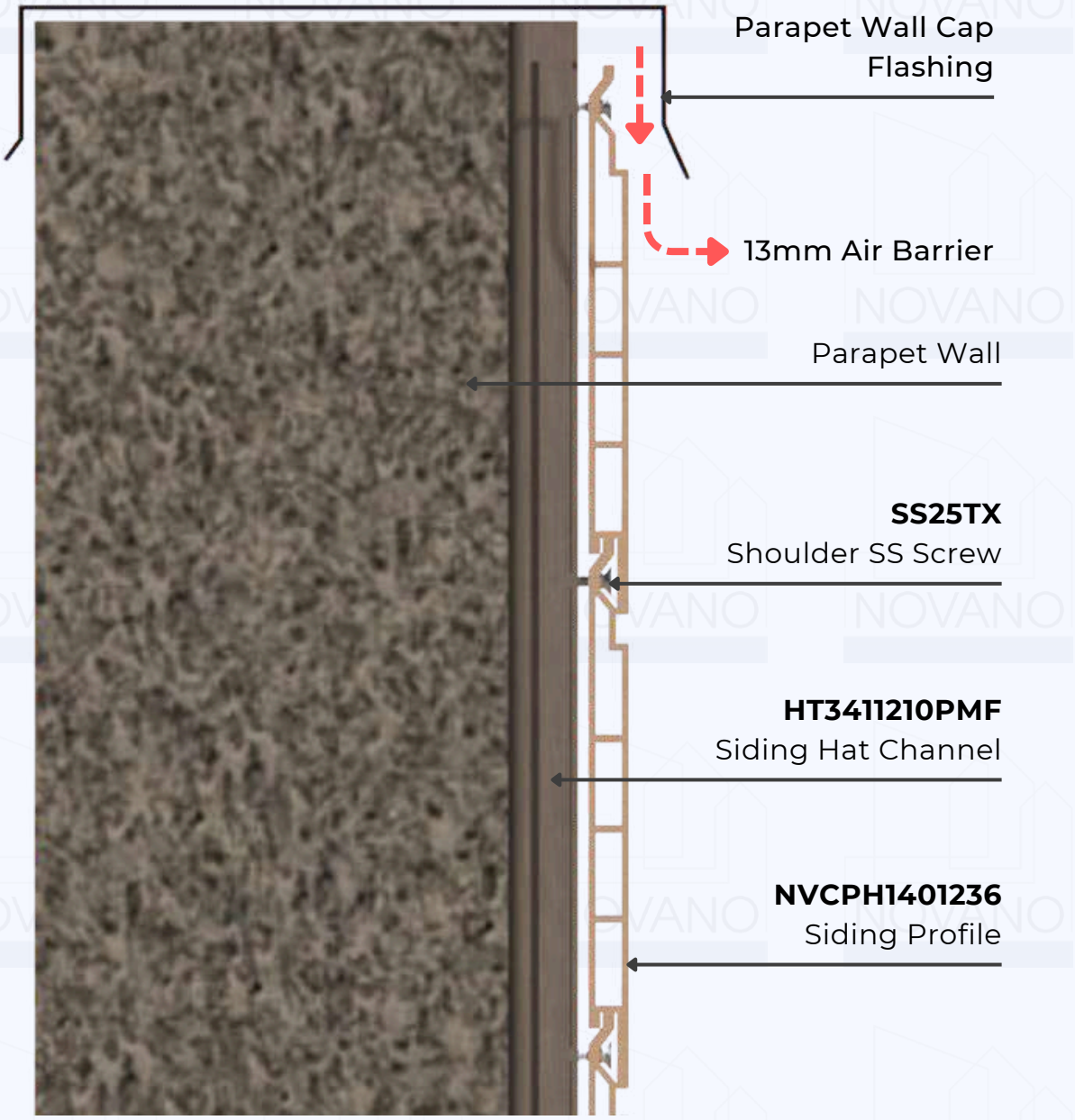


FRONT ELEVATION
Quik-Trim System

SECTION 7 – Air Barrier – Requirements

For all of the installation options, it is crucial to allow the uninterrupted flow of air from the bottom to the top of the wall system. This creates a chimney effect which provides not only moisture wicking but also cooling behind the Novano siding.

Air flow must be able to release at the top of the construction. For that reason a 13mm gap between the top of the Novano siding board and the Parapet Wall Cap Flashing is necessary. The same size gap is needed between the face of the Novano siding board and the Parapet Wall Cap Flashing. This should also be followed when using the J channel at the top of the wall.

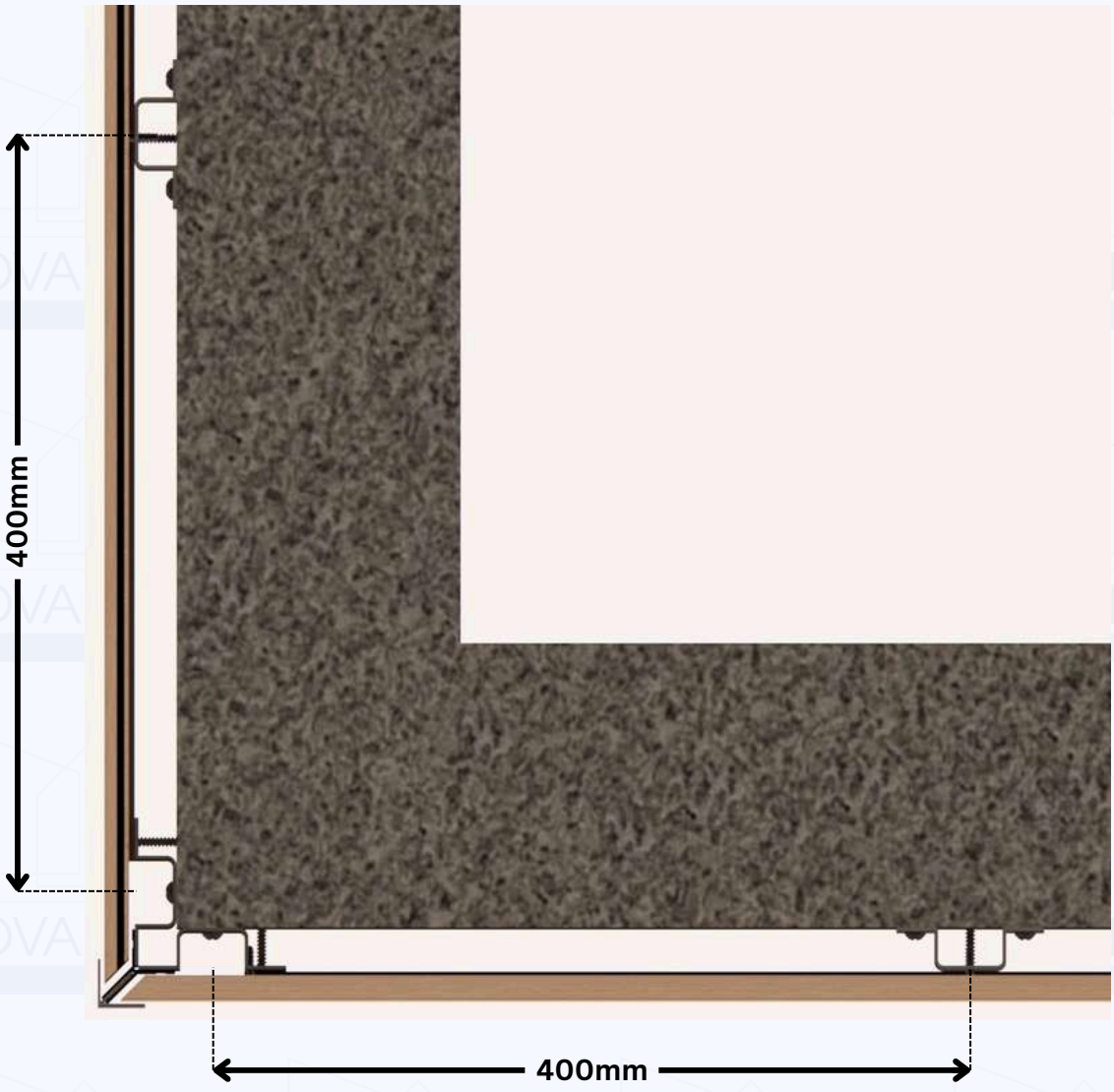


SECTION
Quik-Trim System

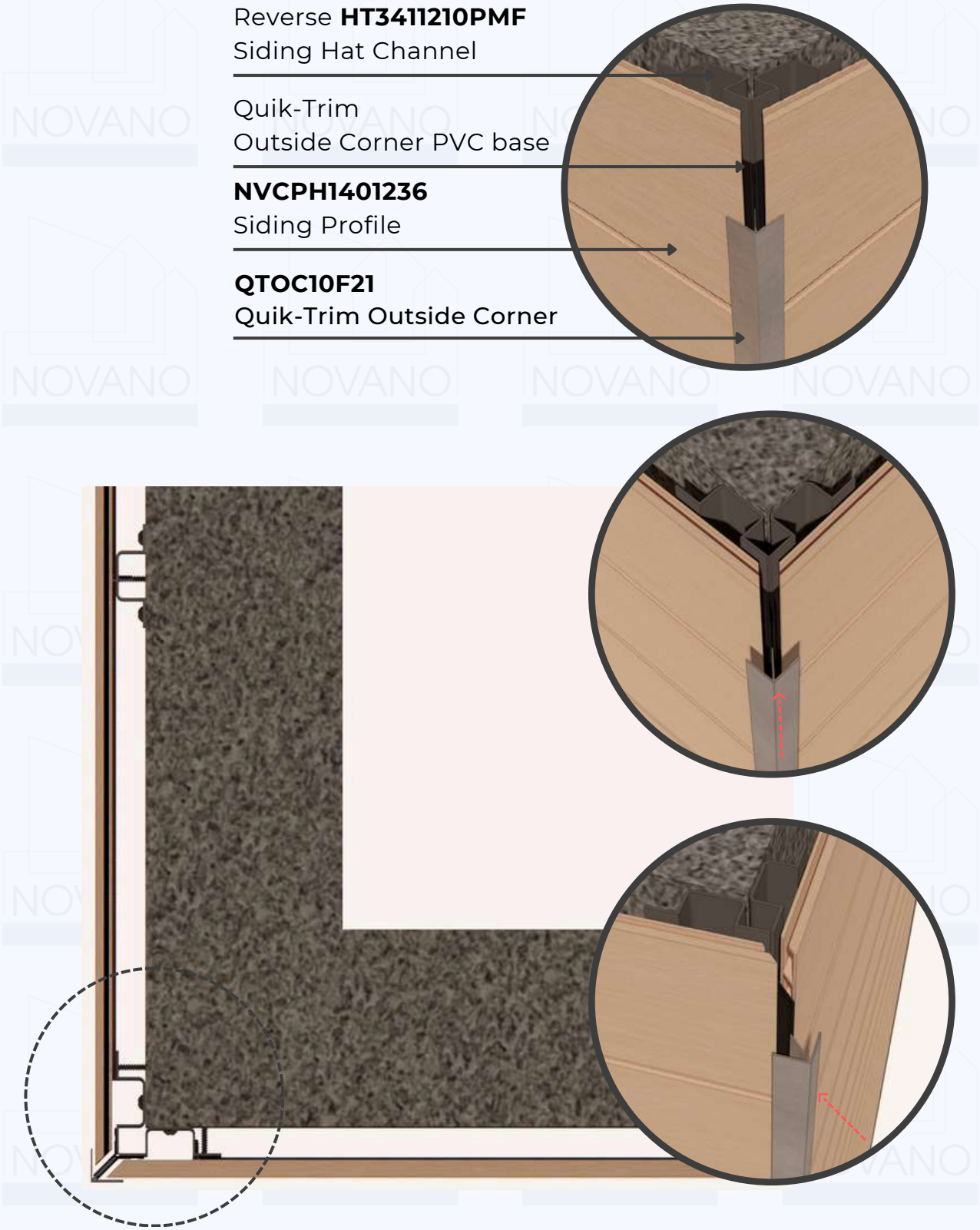
SECTION 8 – Quik-Trim Finishing

HORIZONTAL OUTSIDE CORNERS

The Quik-Trim PVC base should be pre-applied prior to installing siding boards. The starter J-strip for the first board should be installed butted against the Quik-Trim PVC base. The siding board end should be miter cut at a 45-degree angle to match up with the Quik-Trim PVC base. Follow the gap guide when installing the siding board to allow for expansion and contraction on the corners. Install horizontal siding per previous sections. When using an aluminum hat channel for an outside corner application, the installer may reverse and attach the hat channel so that the flanges meet. Finally, after the installation of the last siding board install the outside corner mold OCM into the Quik-Trim PCV base to finish the outside corner.



TOP VIEW Outside Corner
Quik-Trim System

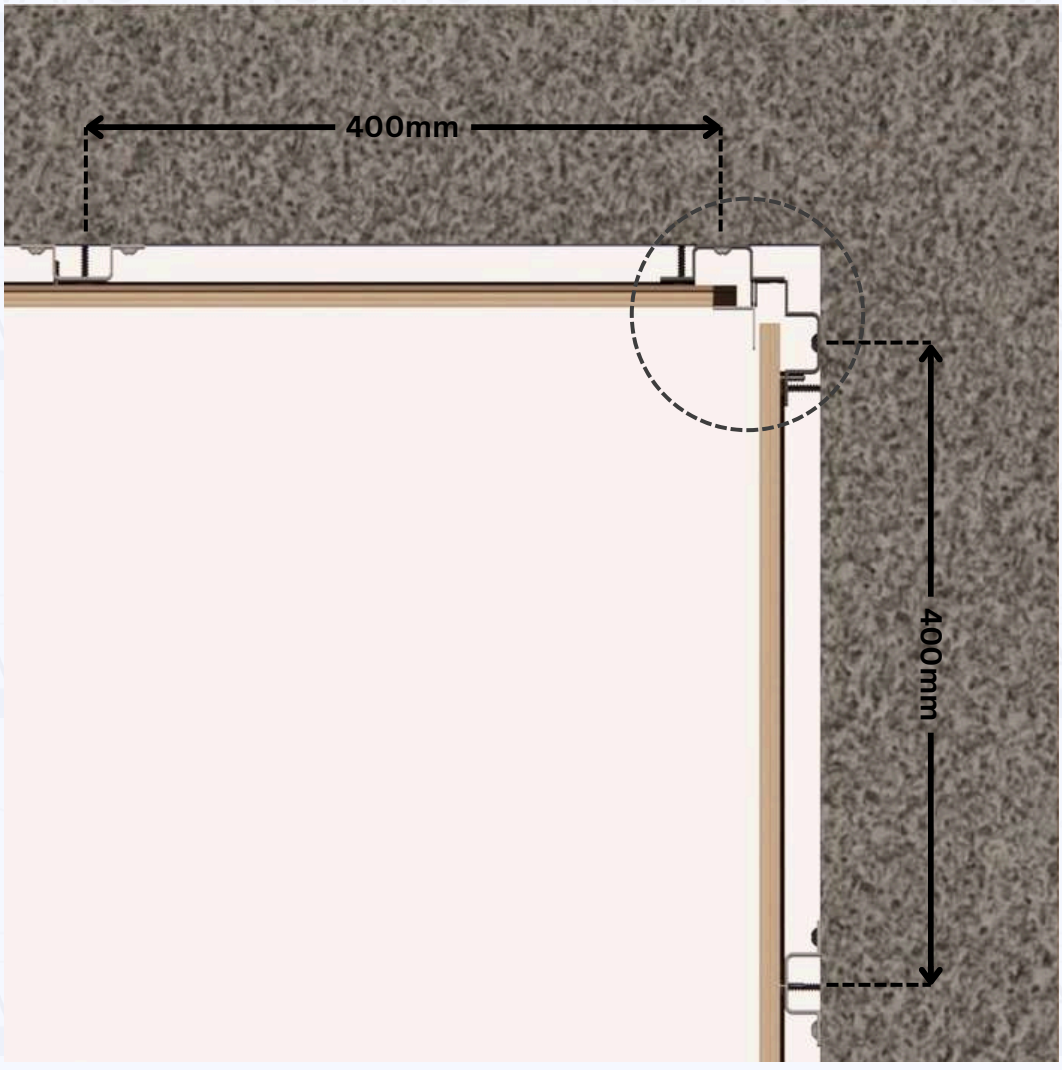


TOP VIEW Outside Corner
Quik-Trim System

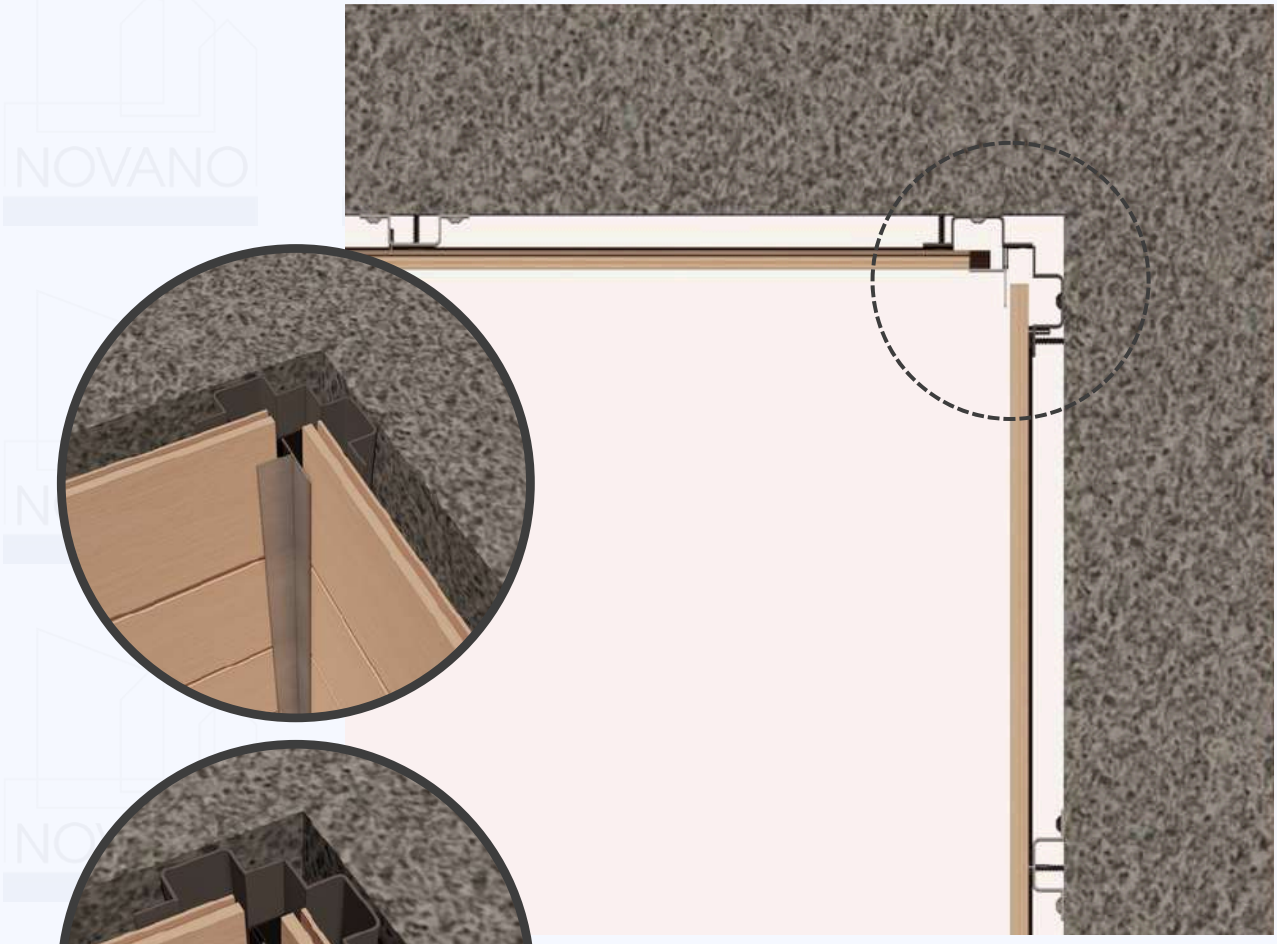
To finish the outside corner install the OCM aluminum trim on the outside corner PVC base.

HORIZONTAL INSIDE CORNERS

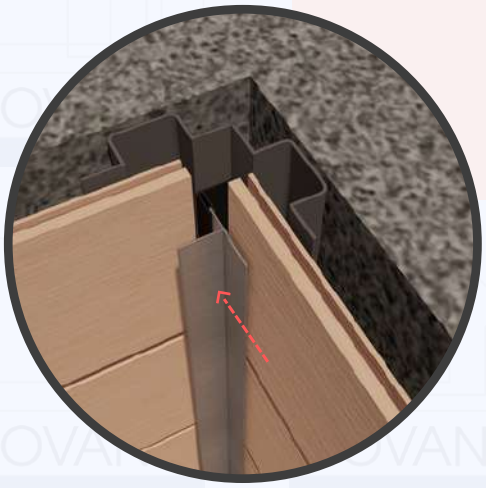
The Quik-Trim PVC base should be pre-applied prior to installing siding boards. The starter J-strip for the first board should be installed butted against the Quik-Trim PVC base. Follow the gap guide when installing the siding board to allow for expansion and contraction on the corners. Install horizontal siding per previous sections. When using an aluminum hat channel for an inside corner application, the installer may reverse and attach the hat channel so that the flanges meet. Finally, after the installation of the last siding board snap-on the inside corner mold ICM into the Quik-Trim PCV base to finish the outside corner.

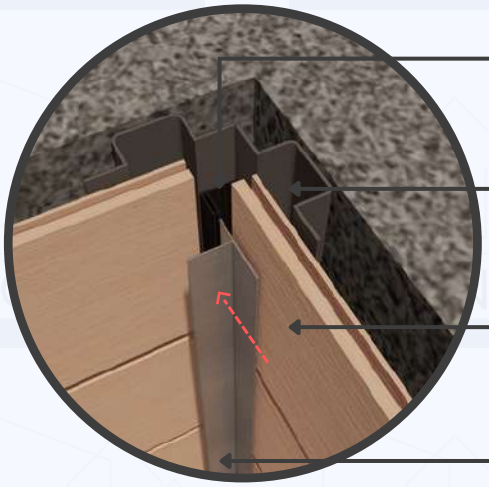


TOP VIEW Inside Corner
Quik-Trim System



TOP VIEW Inside Corner
Quik-Trim System



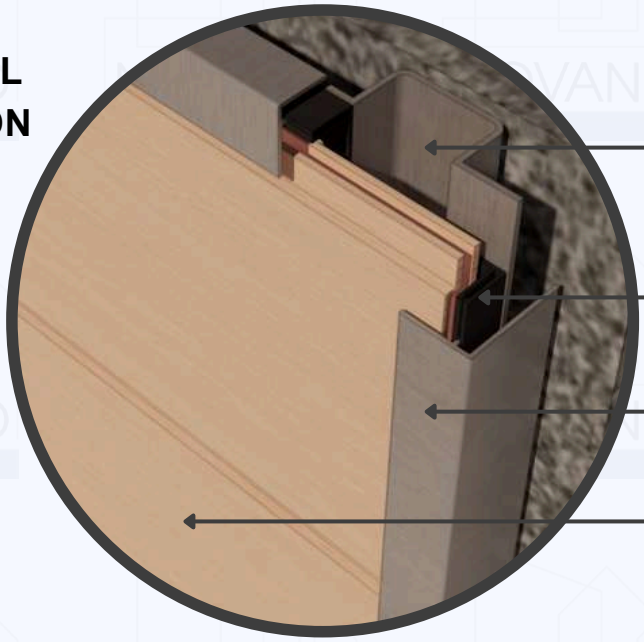


To finish the inside corner install the ICM aluminum trim on the inside corner PVC base.

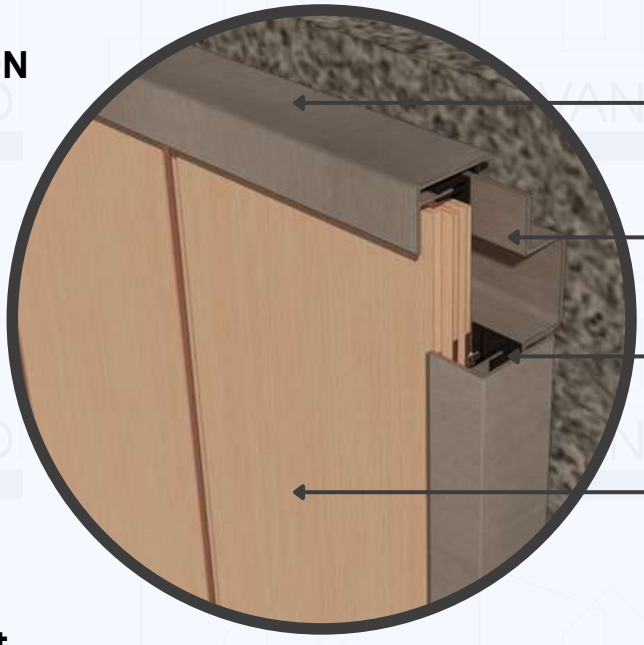
BOARD TERMINATION TRIM

When a siding board in either a horizontal or vertical application terminates into a wall, eave, window, door, etc. a Quik-Trim window J-mold should be used to cover the exposed end of the siding board. The Quik-Trim window J-mold should also be used along the bottom of a vertical 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 window J-mold trim attachment flange. Follow the gap guide when installing the siding board to allow for expansion and contraction within the Quik-Trim window J-mold trim.

HORIZONTAL APPLICATION



VERTICAL APPLICATION



Requirement

When the Quik-Trim window J-mold is installed in a horizontal position weep holes must be drilled at 200mm intervals to allow for moisture to escape from behind the face flange. Do not drill weep holes over a door or window installation.

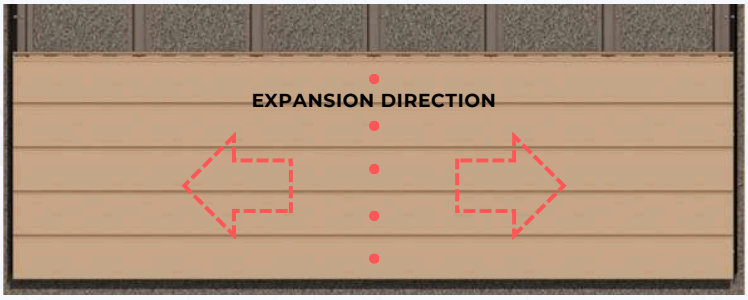
Pinning

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 01 Every board should hard pin on one end of Novano Siding board to allow one side expansion direction.

Pinning the SS25TX Stainless Steel Screw at the first hole of the Novano Siding board.

Option 02 Every board should hard pin on the middle of the Novano Siding board to allow for right or left side expansion direction.



Pinning the SS25TX Stainless Steel Screw at the middle hole of Novano Siding board.

SECTION 9 – Primer and Sealer System

Novano recommends using an approved water-based primer RBP and stain RTS 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 particulates. 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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