

INSTALLATION GUIDE

NOVANO LUSSO PROFILE 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.

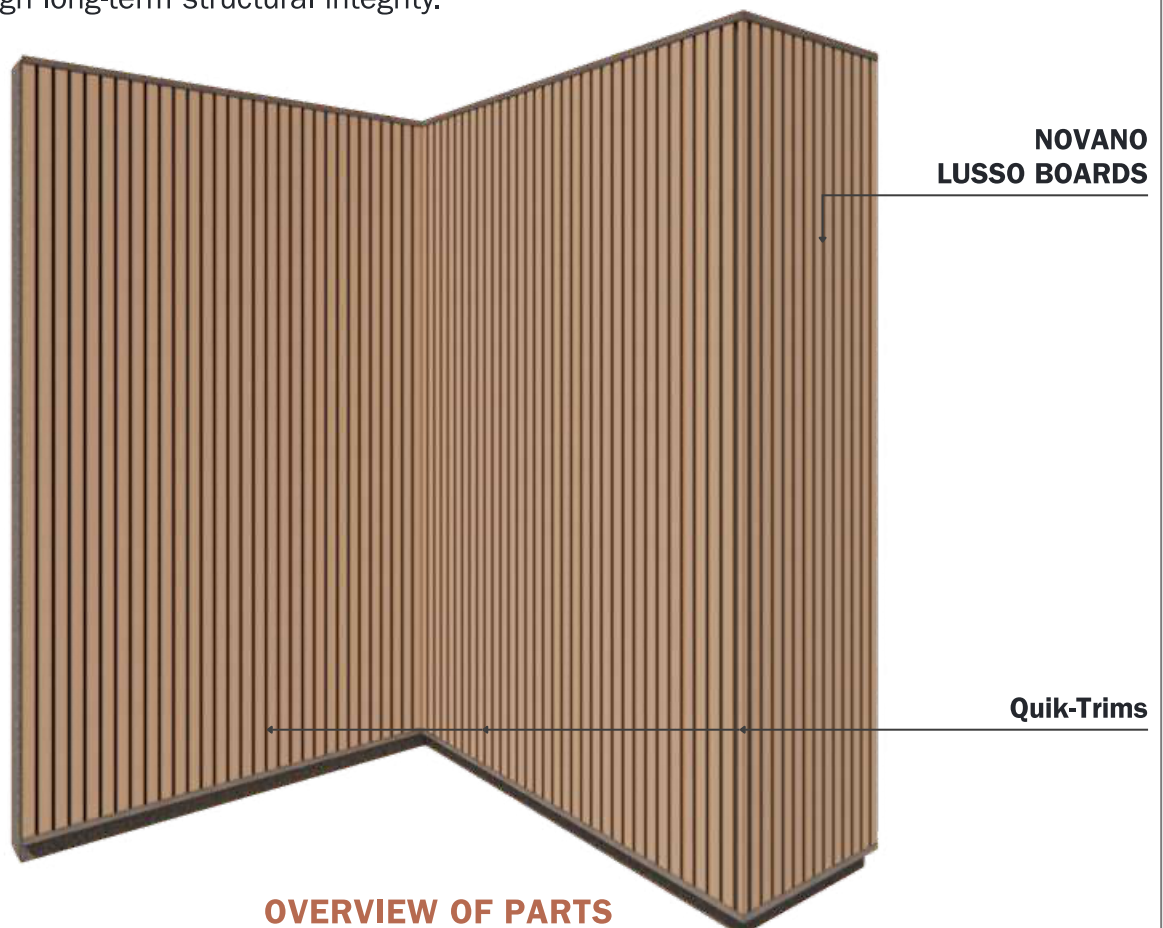
NOVANO composite siding is a **fully integrated system** designed to deliver consistent performance, visual continuity, and reliable installation results across residential and commercial projects. Every component, from the Lusso Profile to the Quik-Trims and fastening elements, works together as one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

QTJM10
Quik-Trim
J-Mold

Quik-Trim
PVC Base

NV-SIDAC-25-SS
Shoulder SS Screw

Reverse
HTC3410P
Siding Hat Channel
Punched

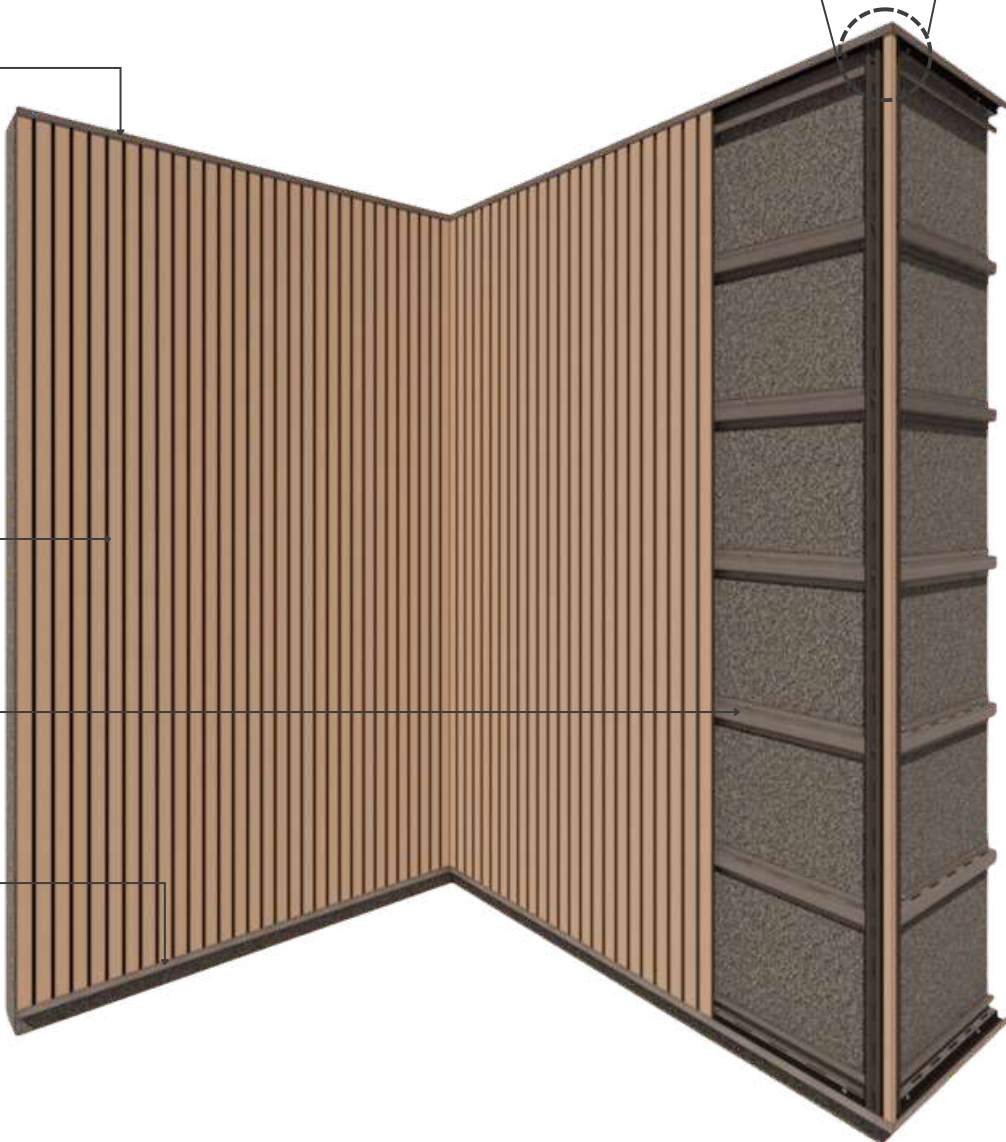
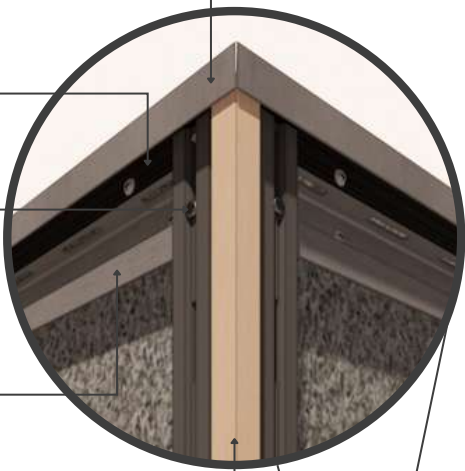
NOVANO
Corner Profile

QTJM10
Quik-Trim
J-Mold

NOVANO
Lusso Profile

HTC3410P
Siding Hat Channel
Punched

QTJM10
Quik-Trim
J-Mold



ISOMETRIC VIEW
Basic Parts of Lusso Profile
Quik-Trim System

SECTION 3 - SCOPE OF DELIVERY

ITEM No.	PRODUCT NAME & SPECIFICATION	ISOMETRIC VIEW	SECTION VIEW
1	NV-SID-14538-LUBL $\frac{3}{4}" \times 5 \frac{3}{4}" \times 12'$ 6" Lusso Profile		
2	NV-SID-2020-LUBLCRP $\frac{3}{4}" \times \frac{3}{4}" \times 12'$ Corner Profile		
3	HTC3410 $\frac{3}{4}" \times 1 \frac{1}{2}"$ Siding Hat Channel Mill Finish		
4	HTC3410P $\frac{3}{4}" \times 1 \frac{1}{2}"$ Siding Hat Channel Punched Mill Finish		
5	QTWJM10 $1" \times 1 \frac{37}{64}"$ Quik-Trim Windows J-Mold with Quik-Trim PVC Base		
6	QTOC10 $1" \times 1"$ Quik-Trim Outside Corner with Outside Corner Quik-Trim PVC Base		
7	QTIC10 $1 \frac{37}{64}" \times 1 \frac{37}{64}"$ Quik-Trim Inside Corner with Quik-Trim PVC Base		
8	QTHM10 $1 \frac{37}{64}"$ Quik-Trim H-Mold with Quik-Trim PVC Base		

SECTION 3 - SCOPE OF DELIVERY

ITEM No.	PRODUCT NAME & SPECIFICATION	ISOMETRIC VIEW	SECTION VIEW
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

IMPORTANT: Five Major Bullet Points You Must Follow for a Successful NOVANO Lusso Profile 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 Lusso Profile layout is essential for ease of installation of Lusso Profiles 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 Lusso Profile System is not a rainscreen or waterproof system. NOVANO Lusso Profile 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.

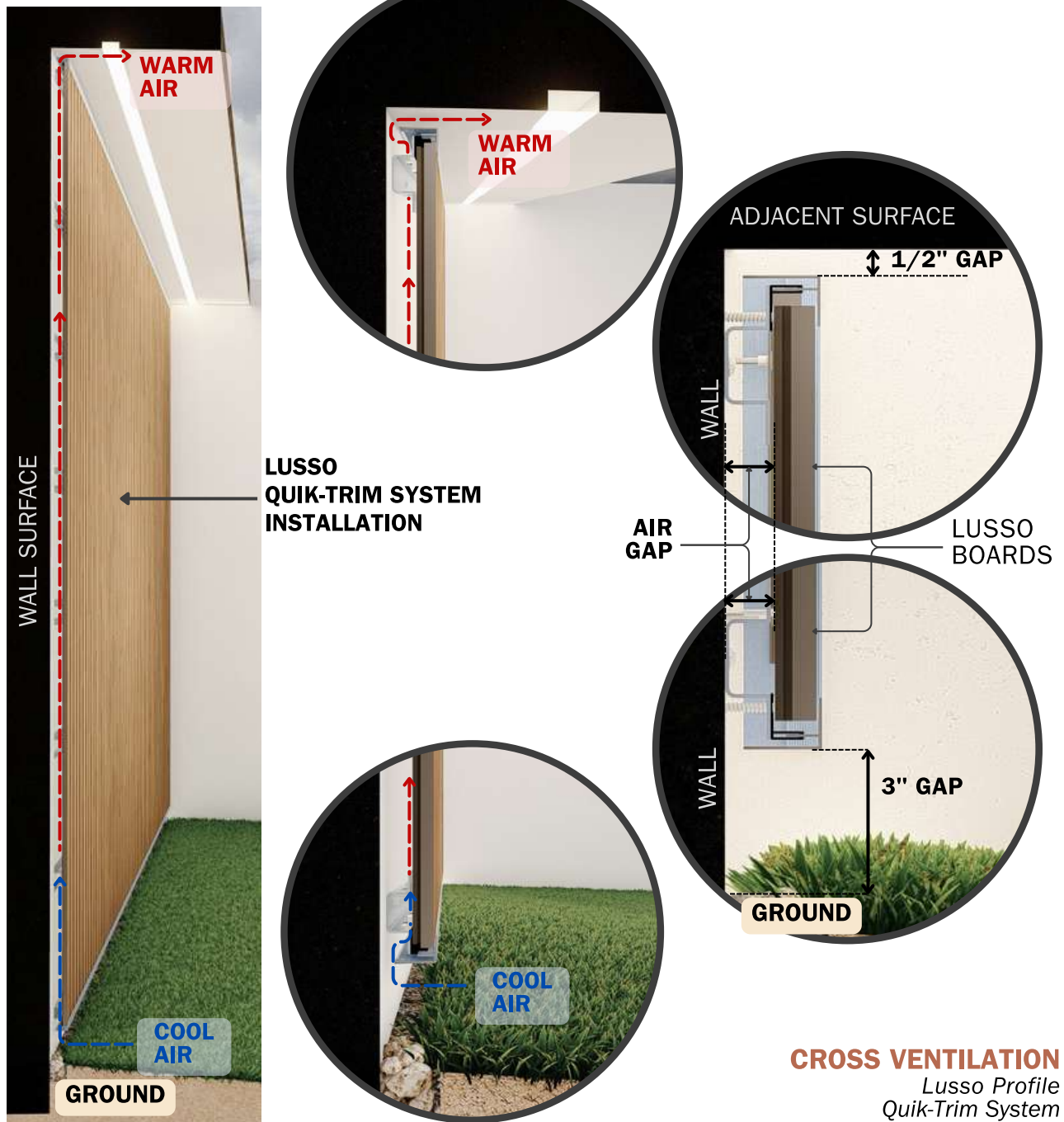


MANDATORY VENTILATION

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 outlet forces warm interior air outside (through a roof vent or higher window opening).

In NOVANO Lusso Installation, the 3" Gap at the bottom part of Lusso System acts as the cool exterior air INLET while the $\frac{1}{2}$ " Gap on top acts as the warm interior air OUTLET. The air gap between wall surface and Lusso Boards resultant from the battens sub frames height allows passage air flow for cross ventilation through the LUSO QUIK-TRIM INSTALLATION SYSTEM.

ADJACENT SURFACE



CROSS VENTILATION
Lusso Profile
Quik-Trim System

CODE COMPLIANT BATTEN SPACING

Part Number	Part Description	Joist Span (in)
NV-SID-14538-LUBL	6" Lusso Profile ($\frac{3}{4}$ " x $5\frac{3}{4}$ ")	16"

Table 1.2 Batten Spacing Requirements

Recommendation for Batten Spacing.

If the Lusso Profile is being installed in a hot southern location and will be exposed to direct sunlight for the majority of each day and/or the board 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 LUSO PROFILE

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 Lusso Profile 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 Lusso Profile Gap Guide					
Temperature at Installation	End to End Lusso Profiles				Wall Gap
	Below 30°F	60°F	90°F	120°F	
Amount for Lusso Profile Length of 12 ft	$\frac{7}{16}$ "	$\frac{1}{4}$ "	$\frac{1}{16}$ "	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.

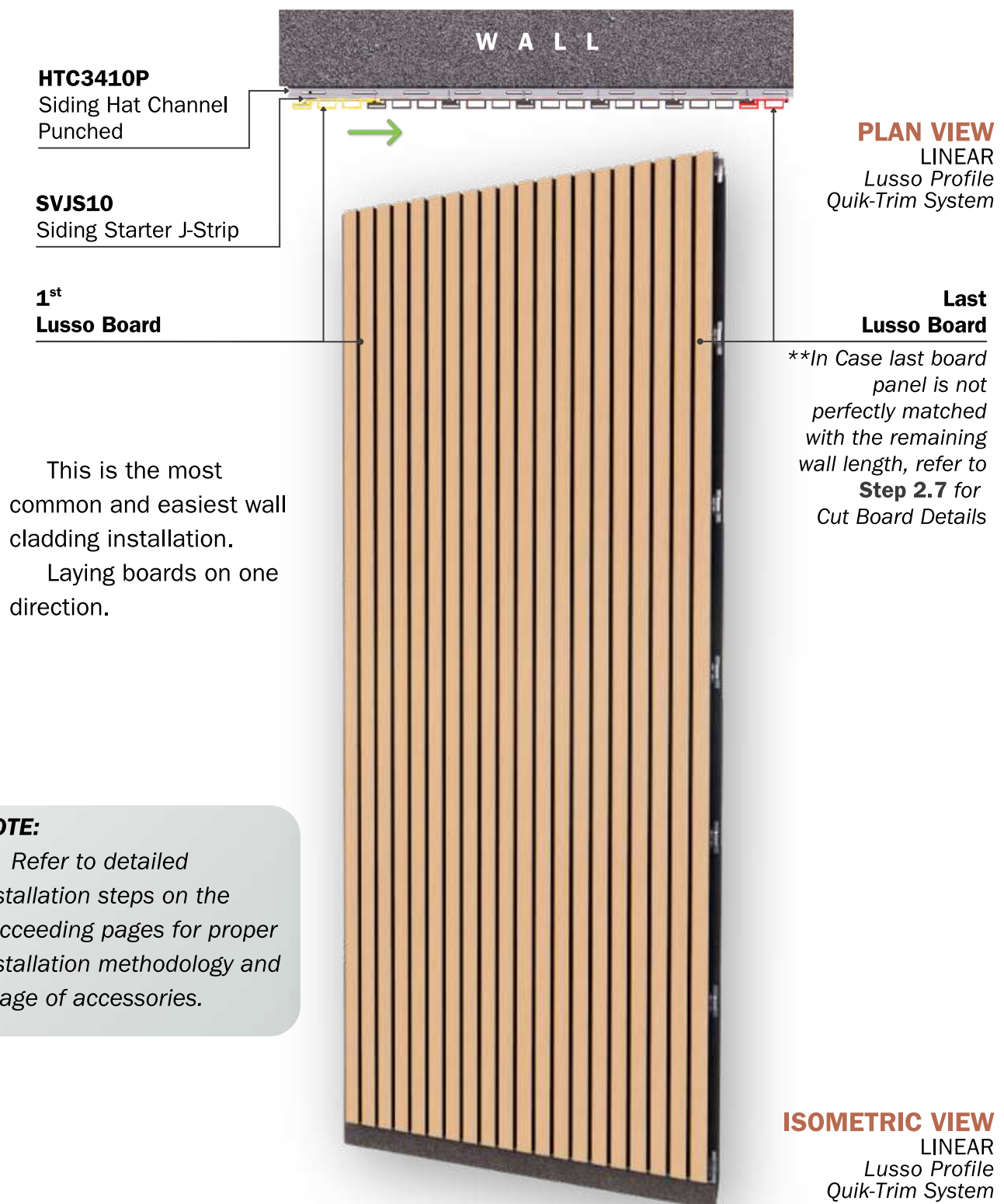


SEQUENCE OF BOARD INSTALLATION BASED ON PROJECT WALL LAY-OUT

When installing the Lusso Profile and its components, it is important to study the sequence of board placement to ensure proper termination especially of the last boards.

Below are the general wall lay-outs and board sequence suggestions (for other complex wall lay-out, the following can be used in combinations):

Linear (One-Wall Face)

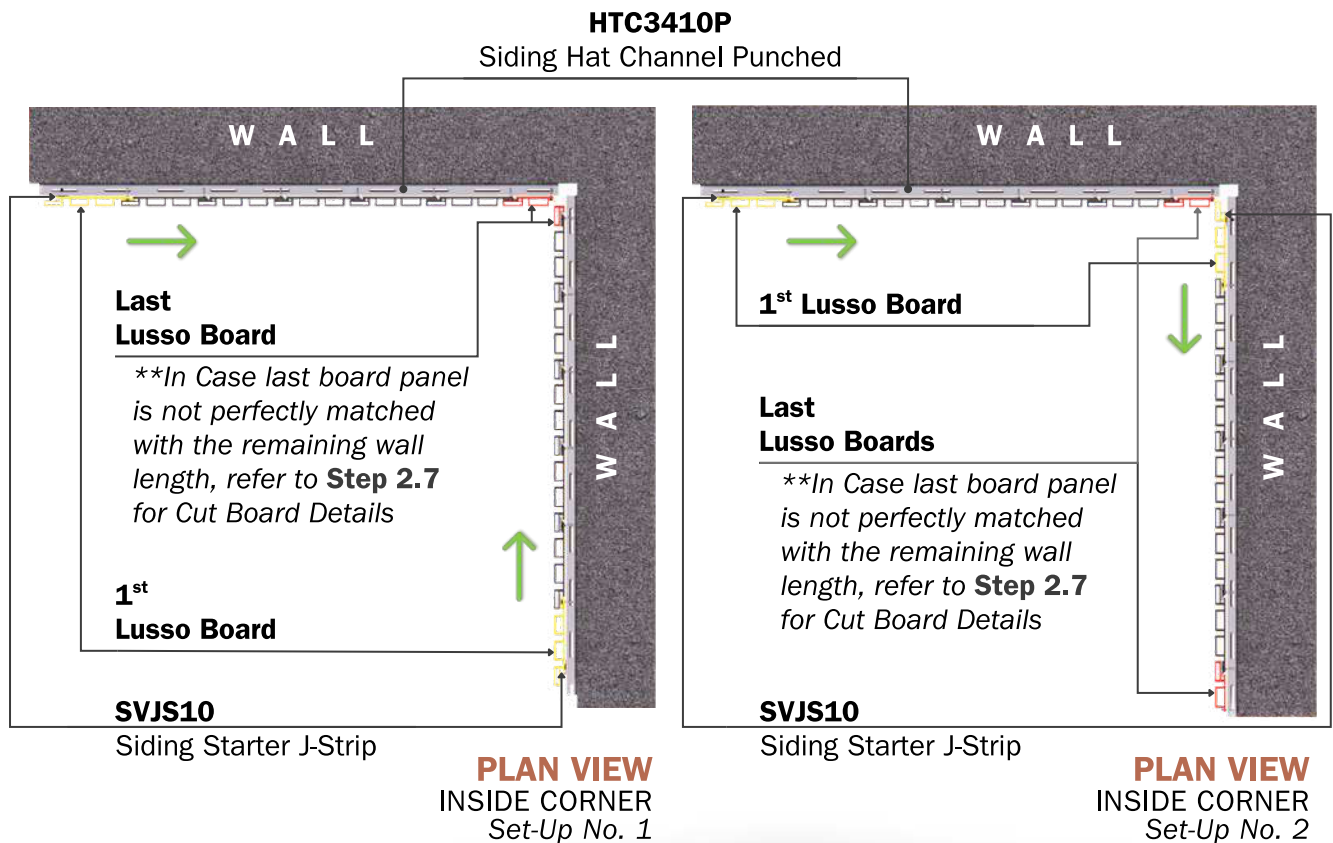




SEQUENCE OF BOARD INSTALLATION BASED ON PROJECT WALL LAY-OUT

Inside Corner (Two-Wall Face)

For Two-wall face with inside corner installations, Lusso Board installation can be
 (1) Started on both opposite sides, then converge in the inside corner; or
 (2) Started on one of either sides.



NOTE:

Refer to detailed installation steps on the succeeding pages for proper installation methodology and usage of accessories.



ISOMETRIC VIEW
INSIDE CORNER
Lusso Profile
Quik-Trim System



SEQUENCE OF BOARD INSTALLATION BASED ON PROJECT WALL LAY-OUT

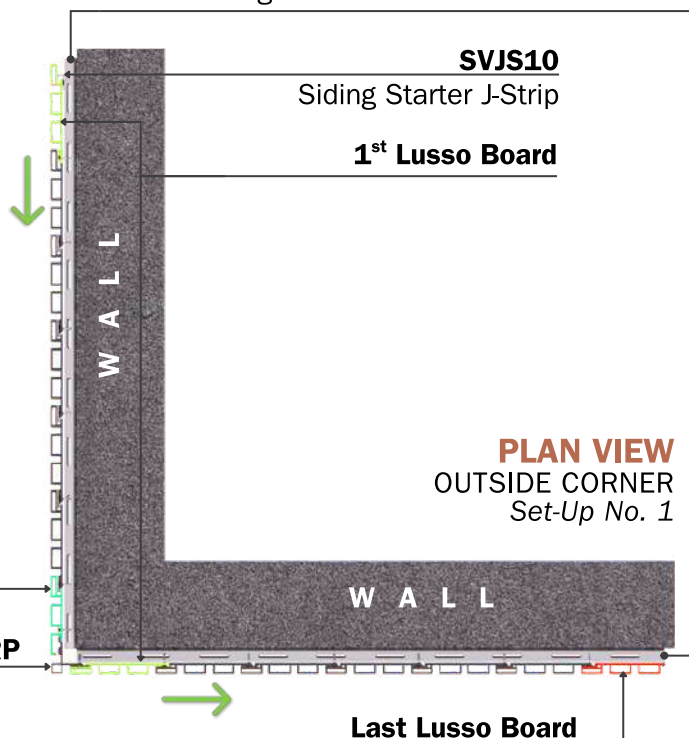
HTC3410P

Siding Hat Channel Punched

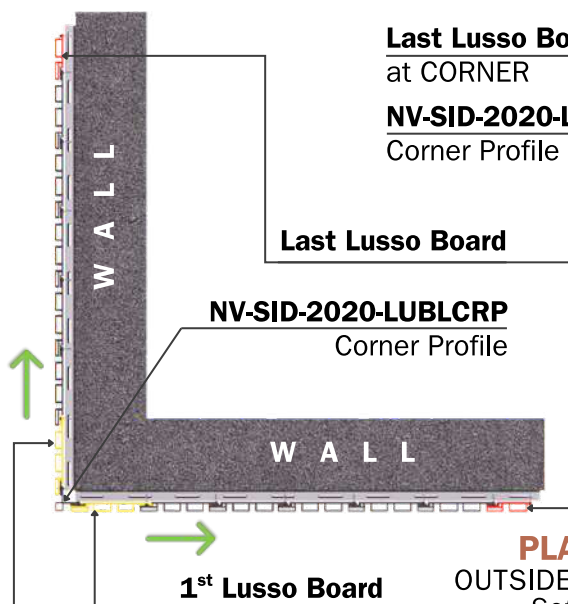
Outside Corner (Two-Wall Face)

For Two-wall face with outside corner installations, Lusso Board installation can be

- (1) started on one of either sides;
- (2) started both from Outside Corner;
- (3) started on both opposite sides, then converge in the outside corner.



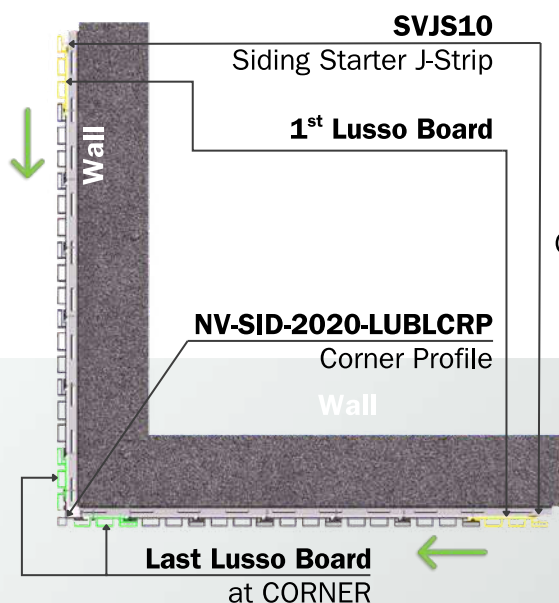
PLAN VIEW
OUTSIDE CORNER
Set-Up No. 1



PLAN VIEW
OUTSIDE CORNER
Set-Up No. 2

***In Case last board panel is not perfectly matched with the remaining wall length, refer to **Step 2.7** for Cut Board Details*

***In Case last board panel is not perfectly matched with the remaining wall length, refer to **Step 2.7** for Cut Board Details*



PLAN VIEW
OUTSIDE CORNER
Set-Up No. 3

NOTE:

Refer to detailed installation steps on the succeeding pages for proper installation methodology and usage of accessories.



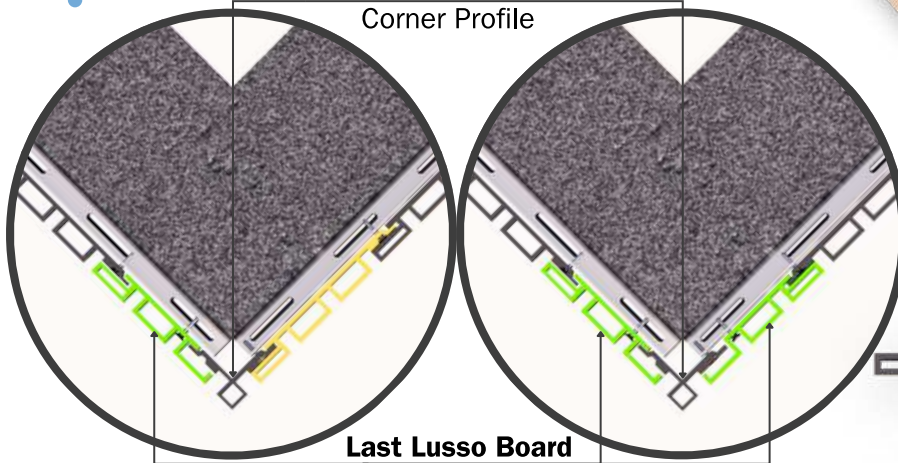
ISOMETRIC VIEW
OUTSIDE CORNER
Lusso Profile
Quik-Trim System



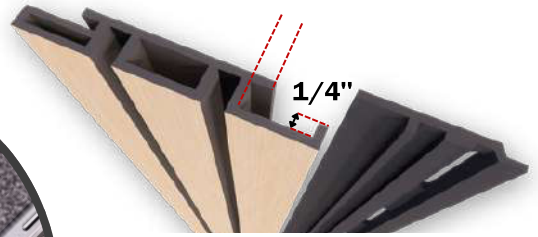
LAST BOARD on OUTSIDE CORNER DETAILS

NV-SID-2020-LUBLCRP

Corner Profile



Last Lusso Board
at CORNER



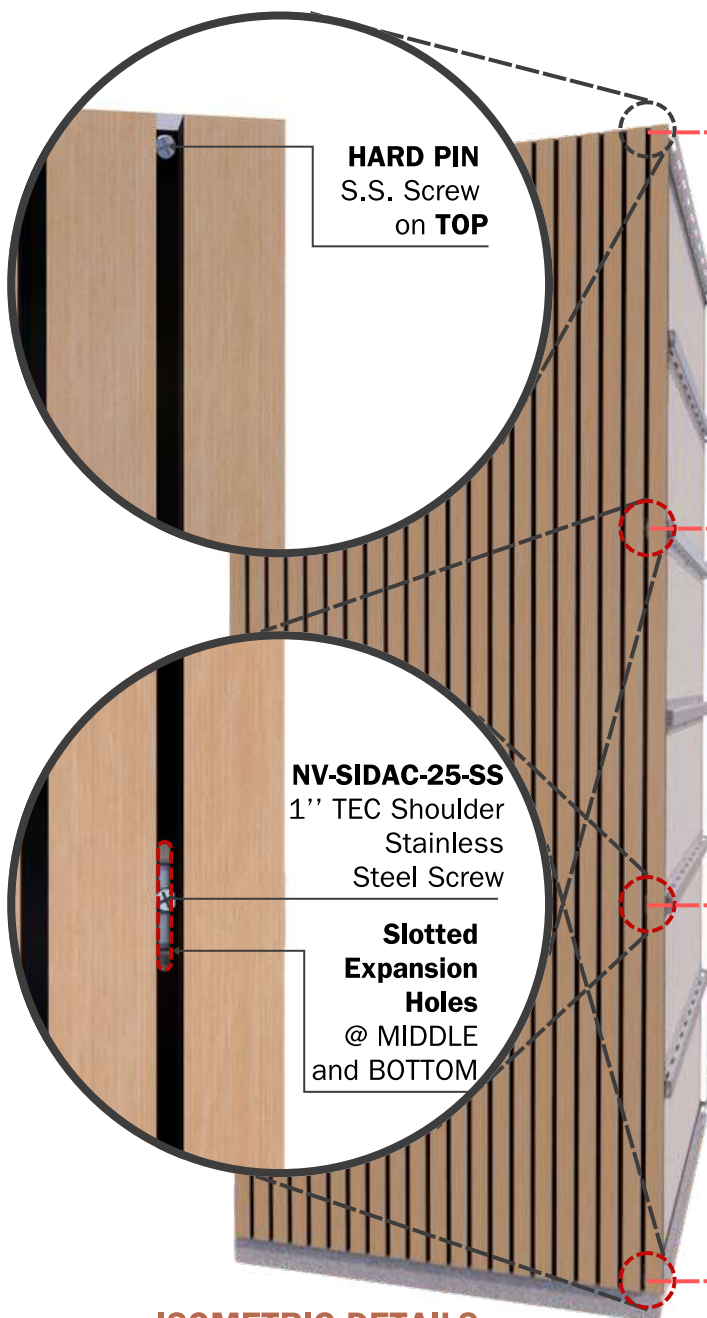
MODIFIED LAST BOARD
on OUTSIDE CORNER



1 - NOVANO Lusso Board



2 - Cut the end part of NOVANO
Lusso Board



HARD PIN
S.S. Screw
on TOP

NV-SIDAC-25-SS
1" TEC Shoulder
Stainless
Steel Screw

**Slotted
Expansion
Holes**
@ MIDDLE
and BOTTOM

TOP of
Lusso Board

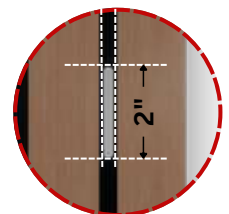
MIDDLE of
Lusso Board

MIDDLE of
Lusso Board

BOTTOM of
Lusso Board

3-Use a router or similar to provide an 1/8" x 2" expansion hole in the board **at every other runner** location for the screw. For **MIDDLE and BOTTOM** part of Lusso Board.

1/8"



ISOMETRIC DETAILS

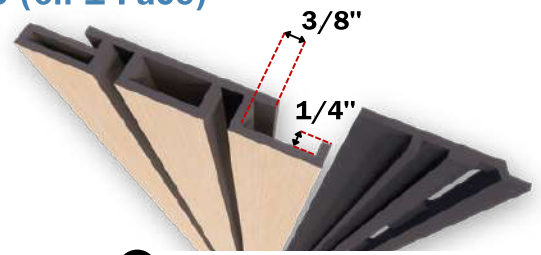
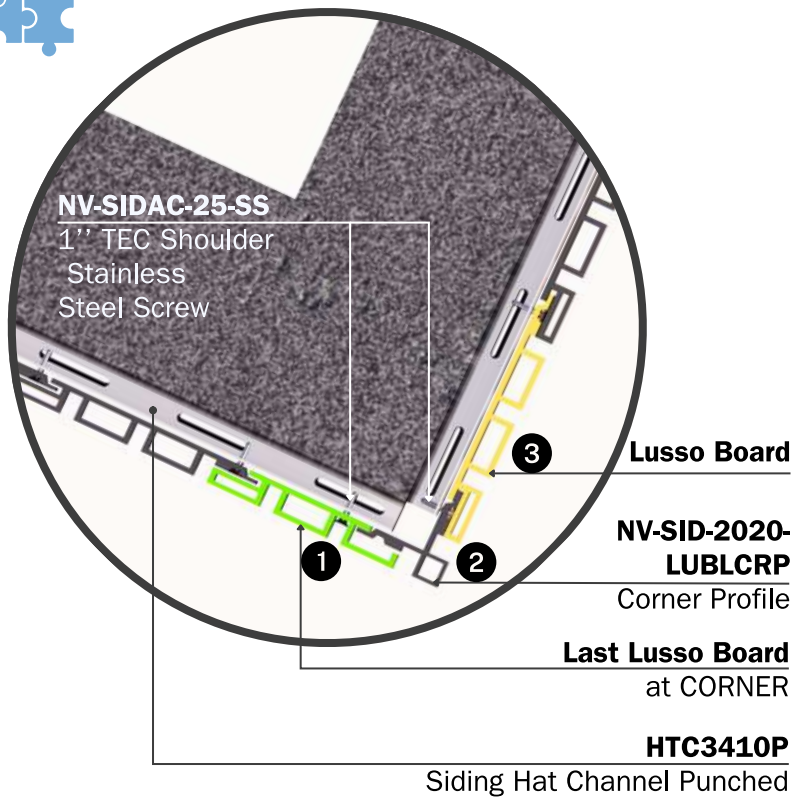
LAST BOARD on OUTSIDE CORNER

BOARD MODIFICATION

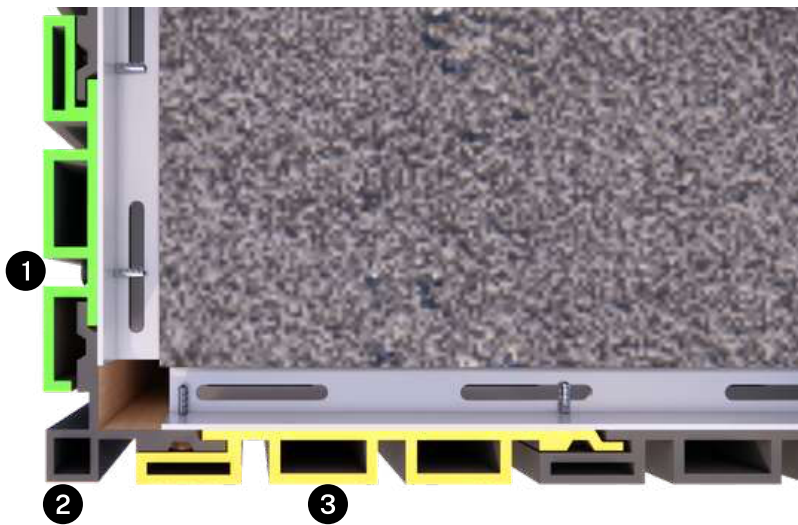
LAST BOARD on OUTSIDE CORNER



LAST BOARD on OUTSIDE CORNER DETAILS (on 1 Face)



1 **MODIFIED LAST BOARD** on OUTSIDE CORNER



ISOMETRIC DETAILS LAST BOARD on OUTSIDE CORNER

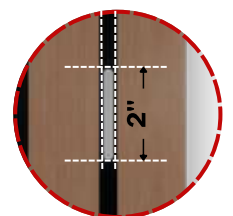
3-Use a router or similar to provide an 1/8" x 2" expansion hole in the board **at every other runner** location for the screw.
For **MIDDLE** and **BOTTOM** part of Lusso Board.

MIDDLE of Lusso Board

MIDDLE of Lusso Board

BOTTOM of Lusso Board

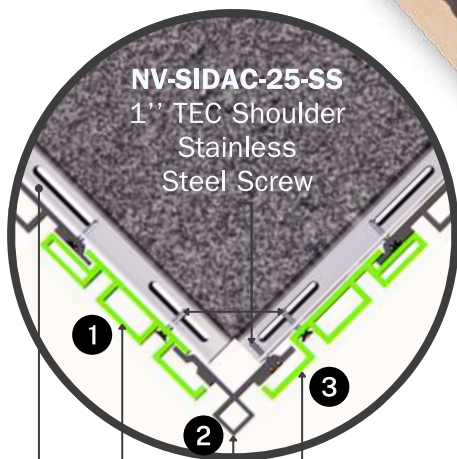
1/8"



BOARD MODIFICATION LAST BOARD on OUTSIDE CORNER



LAST BOARD on OUTSIDE CORNER DETAILS (on 2 Faces)



Last Lusso Board
at CORNER

NV-SID-2020-LUBLCRP
Corner Profile

Last Lusso Board
at CORNER

HTC3410P

Siding Hat Channel Punched



**MODIFIED
LAST BOARD**
on OUTSIDE CORNER

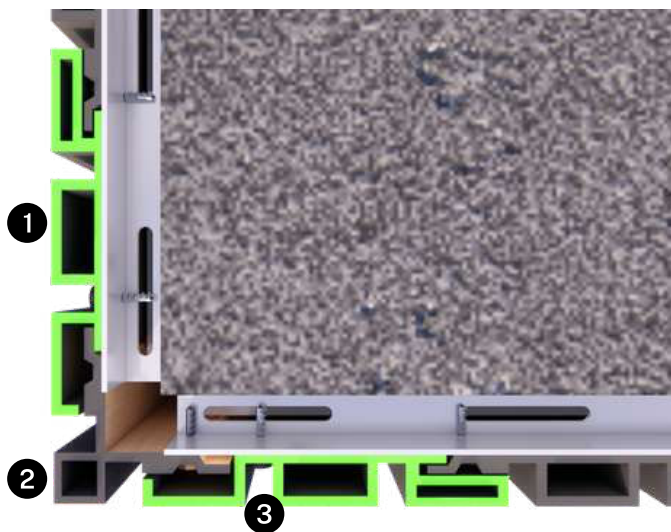
**MODIFIED
LAST BOARD**
on OUTSIDE CORNER



1 - NOVANO Lusso Board



2 - Cut the end part of NOVANO Lusso Board



ISOMETRIC DETAILS
LAST BOARD on OUTSIDE CORNER

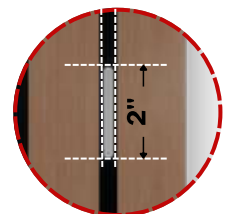
**MIDDLE of
Lusso Board**

**MIDDLE of
Lusso Board**

**BOTTOM of
Lusso Board**

3-Use a router or similar to provide an 1/8" x 2" expansion hole in the board **at every other runner** location for the screw.
For **MIDDLE and BOTTOM** part of Lusso Board.

1/8"



BOARD MODIFICATION
LAST BOARD on OUTSIDE CORNER

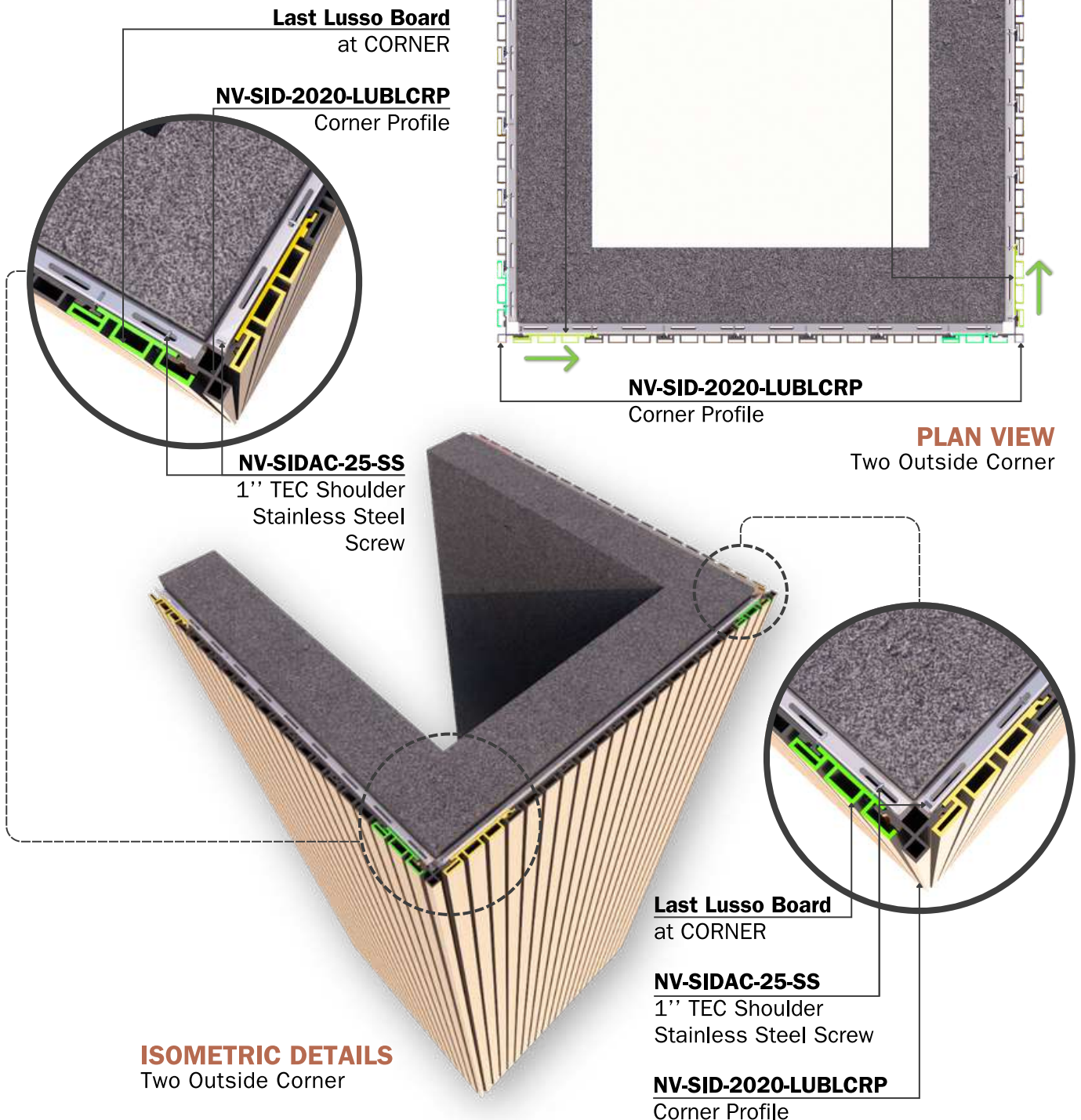
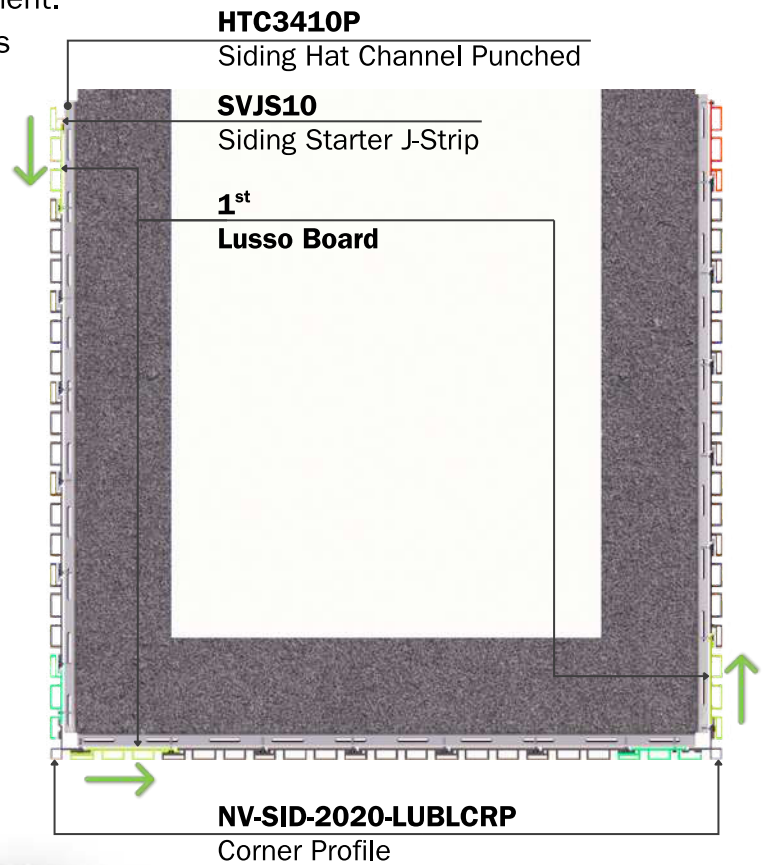


MULTI-FACED WALLS

For Multiple Faced Walls of Lusso Board Installation, it is highly recommended to have 1-Direction of Board Installation. This is to maximize the Tongue & Groove extrusions on each Lusso Board and minimize modification of boards to satisfy project requirement.

However, if actual site conditions does not permit, the details shown on the previous page and on **Section 2.7** shall be followed for the last boards.

Two Outside Corner





MULTI-FACED WALLS

Three Outside Corner

NV-SID-2020-LUBLCRP
Corner Profile

HTC3410P
Siding Hat Channel Punched

NV-SID-2020-LUBLCRP
Corner Profile

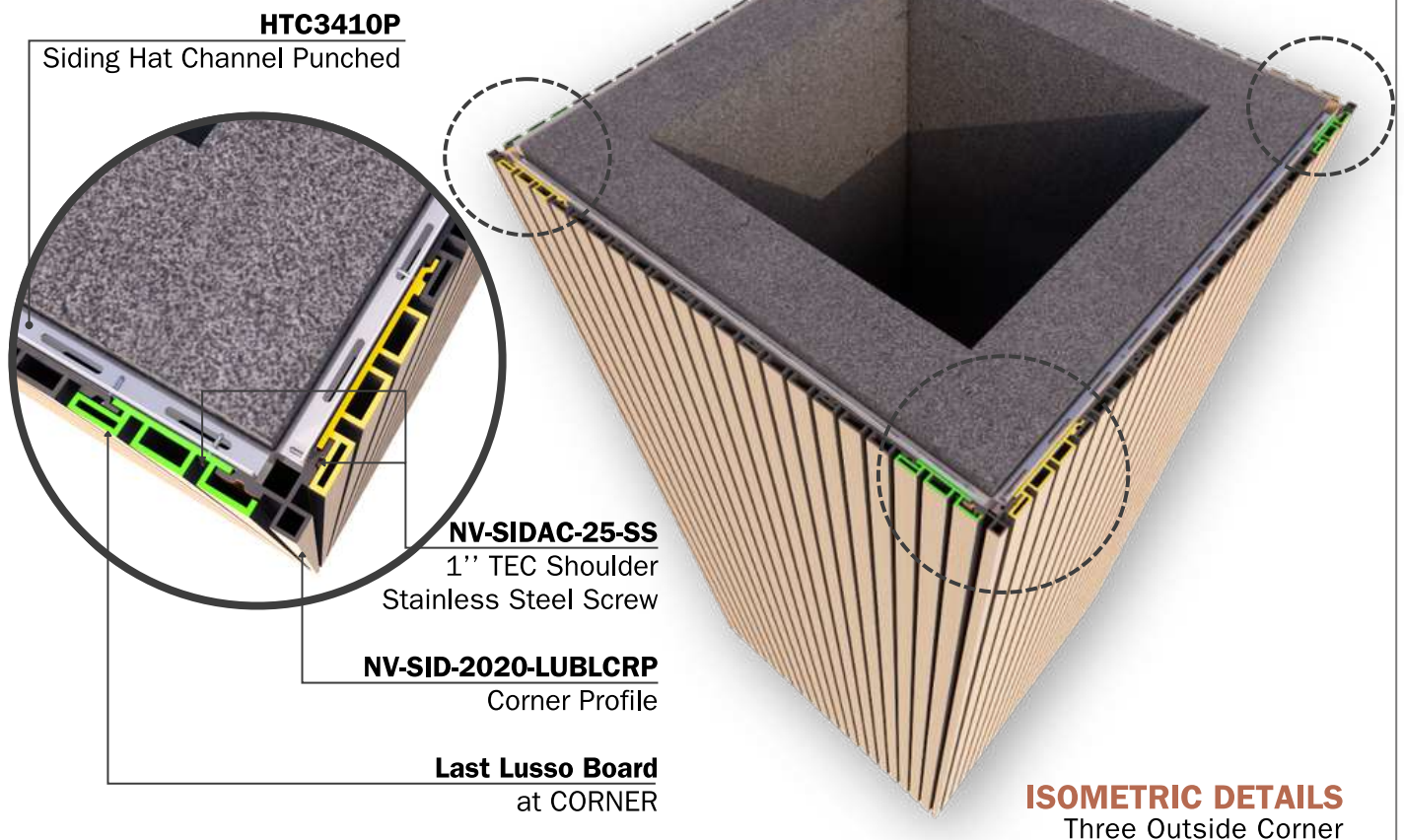
1st
Lusso Board

NV-SID-2020-LUBLCRP
Corner Profile

NV-SID-2020-LUBLCRP
Corner Profile

PLAN VIEW

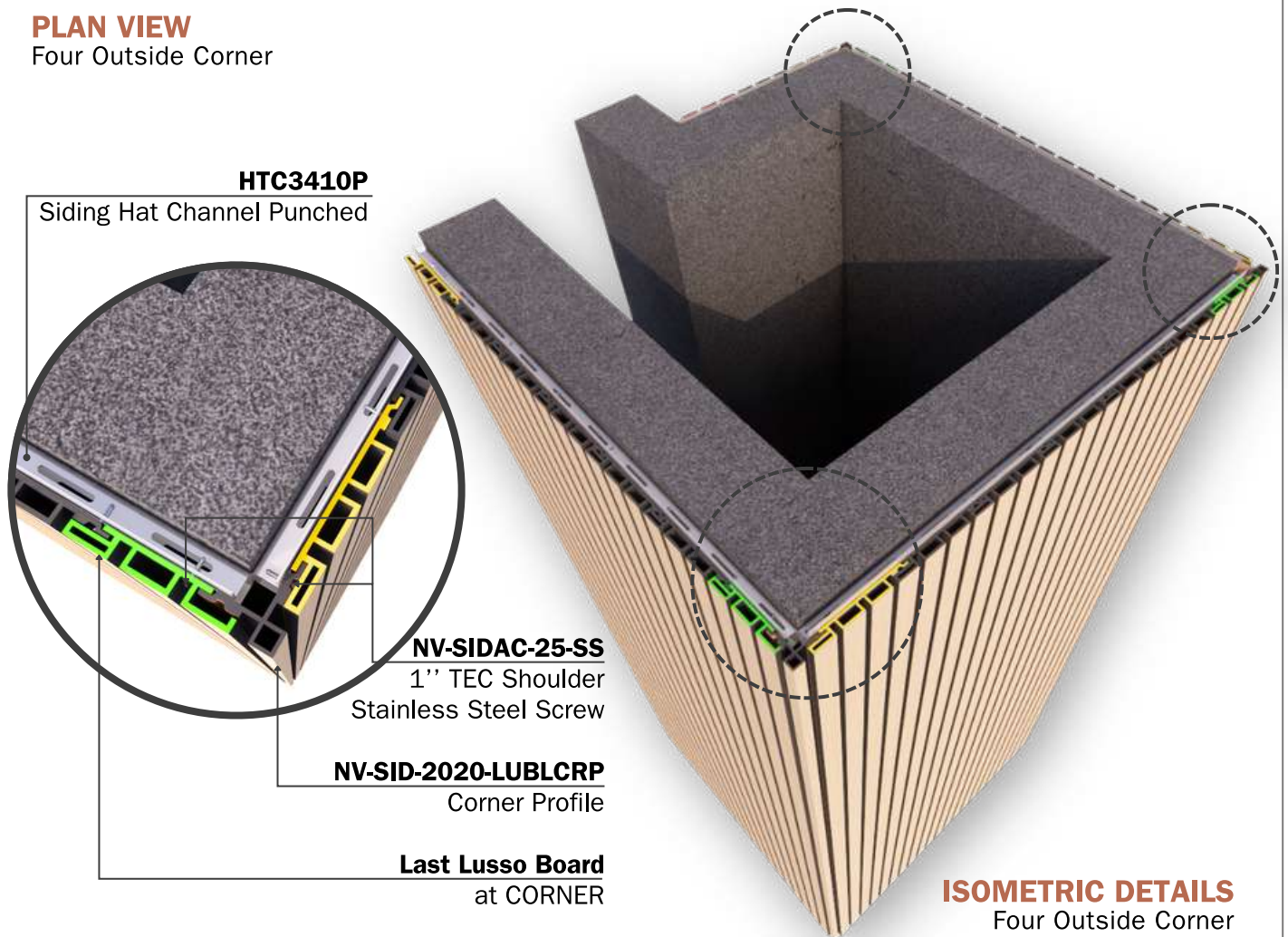
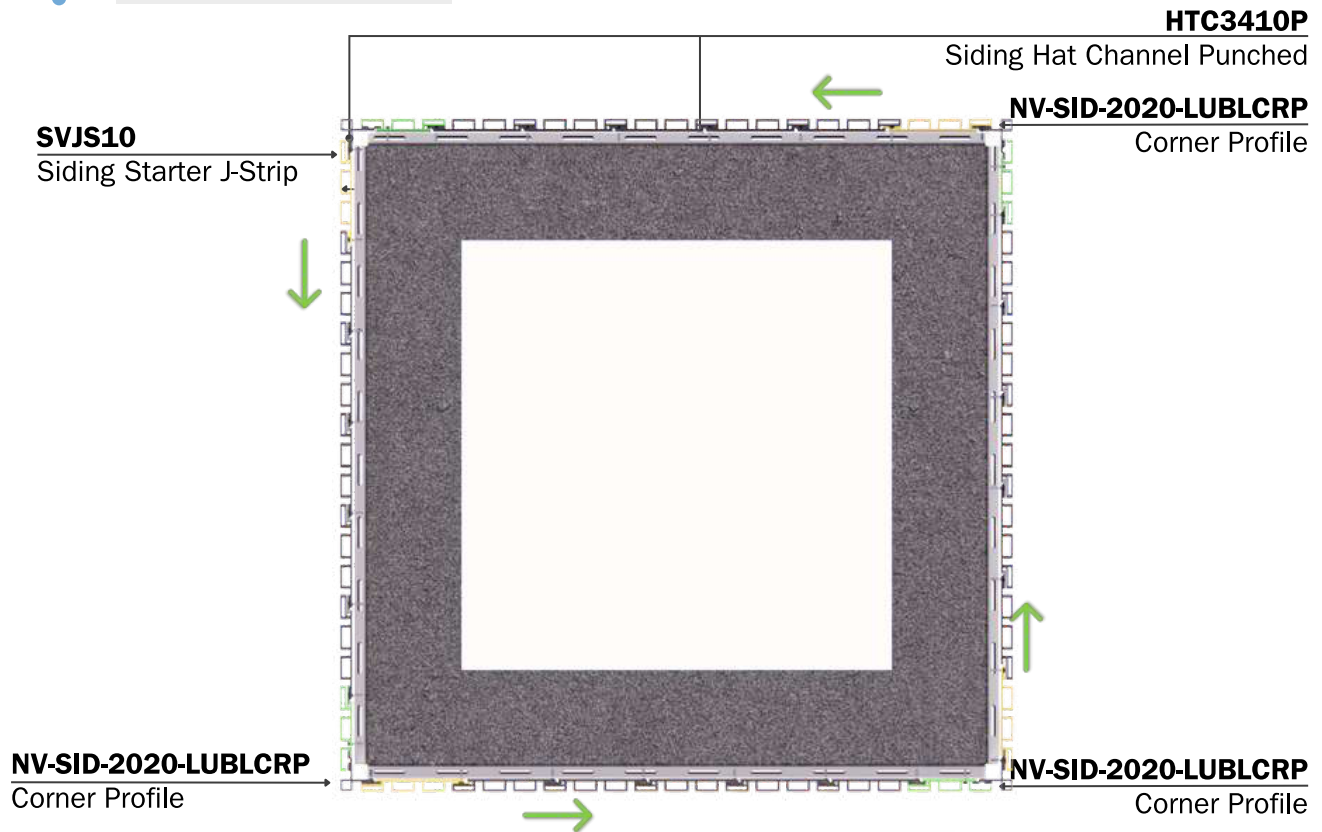
Three Outside Corner





MULTI-FACED WALLS

Four Outside Corner



II. INSTALLATION PROCEDURE

SECTION 1 - VERTICAL LUSO PROFILE APPLICATION EXPOSED EDGES

SECTION 1.1

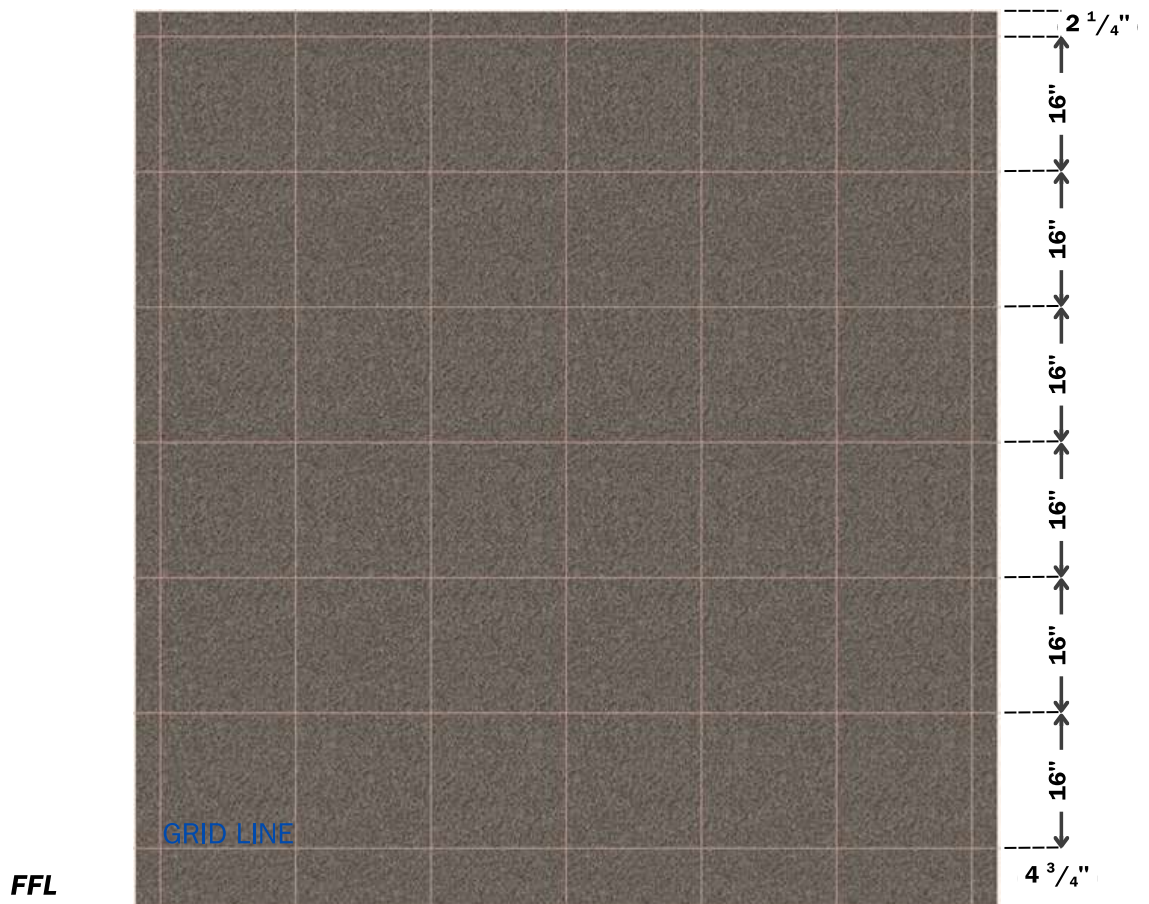
Check the layout and designed direction of the Lusso Profile to be installed; depends on the design requirements. Also, check the layout for existing plumbing and electrical wiring to make sure that there is not any interference.

SECTION 1.2

Check the surface wall level to be 100% levelled before installing the Siding Hat Channel with punched hole.

SECTION 1.3

Establish gridline for the Siding Hat Channel with punched hole HTC3410P, minimum of $2\frac{1}{4}"$ from finish ceiling line to center of first hat channel and followed by minimum 16" spacing center to center hat channel. The last hat channel needs to have a maximum of $4\frac{3}{4}"$ from the finish floor line to the center of the hat channel.



FRONT ELEVATION
Lusso Profile
Quik-Trim System

SECTION 1 - VERTICAL LUSSO PROFILE APPLICATION EXPOSED EDGES

SECTION 1.4

Install the first horizontal hat channel on a reverse orientation starting from the finish ceiling line to the center of the hat channel with a minimum of $2\frac{1}{4}"$ and followed by a minimum of 16" center to center. Note that the last hat channel needs to have a maximum of $4\frac{3}{4}"$ from the finish floor line to the center of the hat channel.

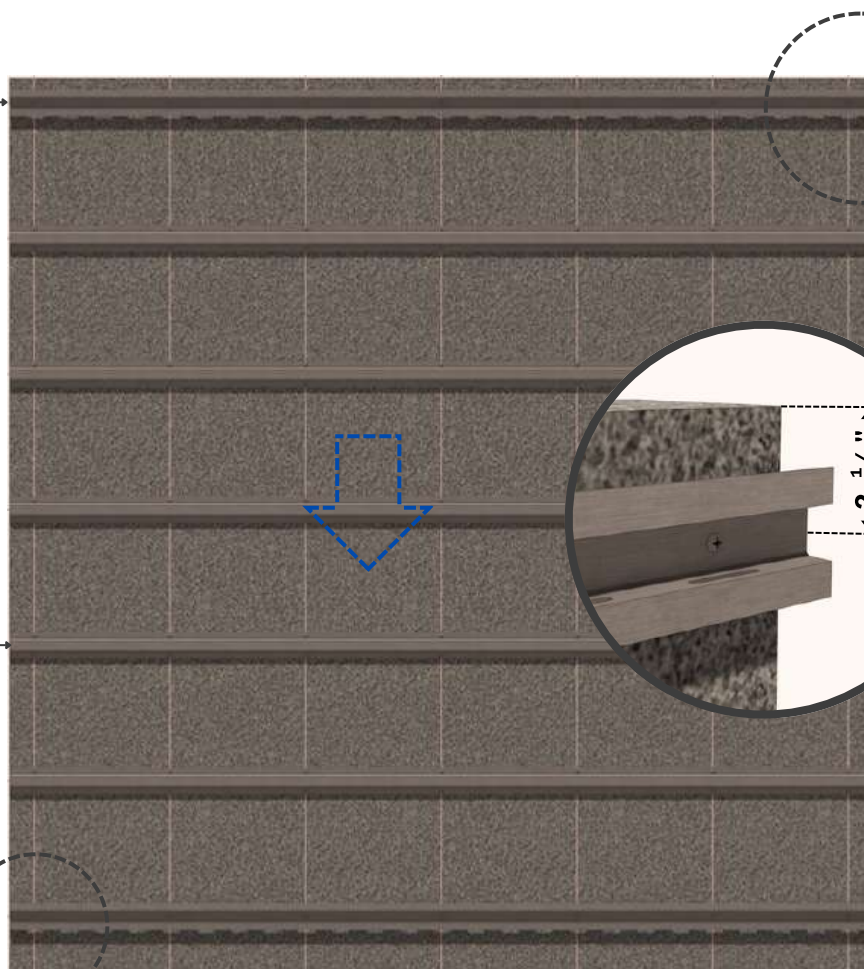
Reverse

HTC3410P

Siding Hat Channel
with punched hole

HTC3410P

Siding Hat Channel
with punched hole



FRONT ELEVATION

*Lusso Profile
Quik-Trim System*

HTC3410P

Siding Hat Channel
with punched hole

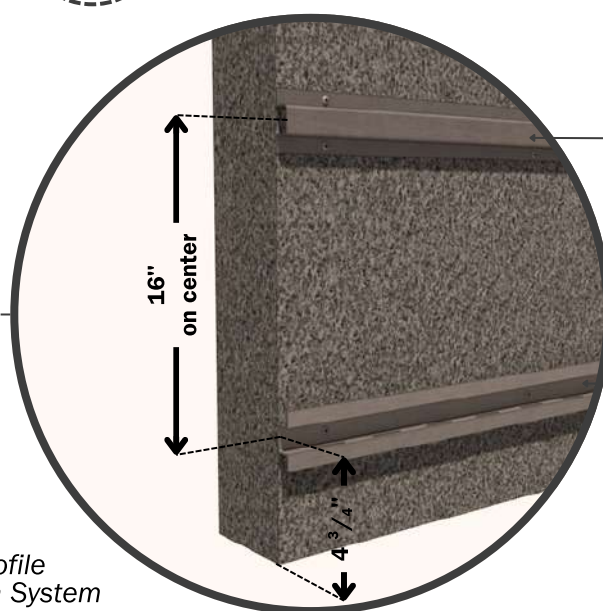
Reverse

HTC3410P

Siding Hat Channel
with punched hole

DETAIL

*Lusso Profile
Quik-Trim System*



SECTION 1 - VERTICAL LUSSO PROFILE APPLICATION
EXPOSED EDGES

SECTION 1.5

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.

Quik-Trim
PVC Base

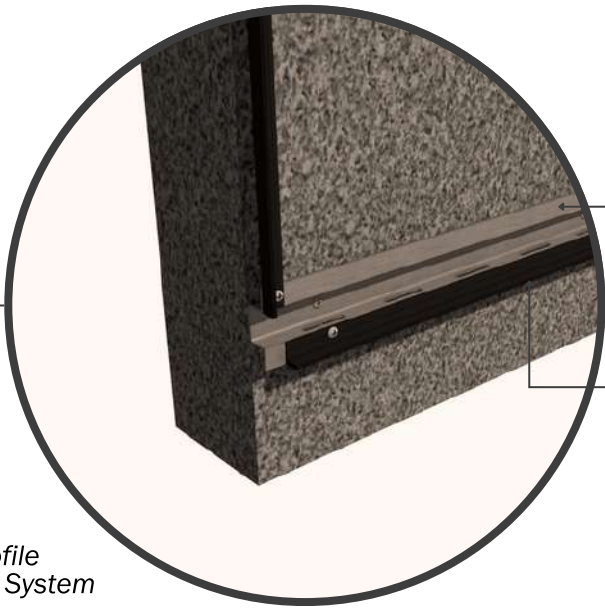
Reverse
HTC3410P
Siding Hat Channel
with punched hole

Quik-Trim
PVC Base

HTC3410P
Siding Hat Channel
with punched hole



FRONT ELEVATION
*Lusso Profile
Quik-Trim System*

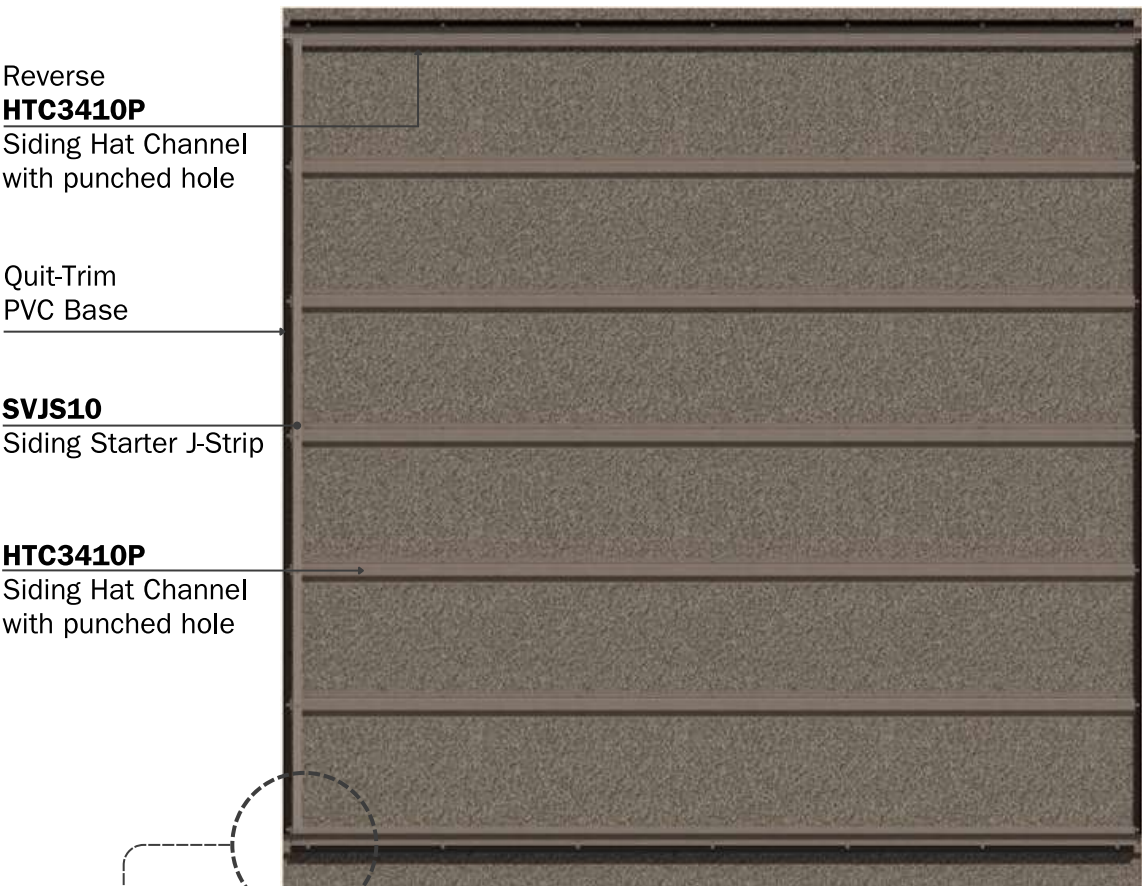


DETAIL
*Lusso Profile
Quik-Trim System*

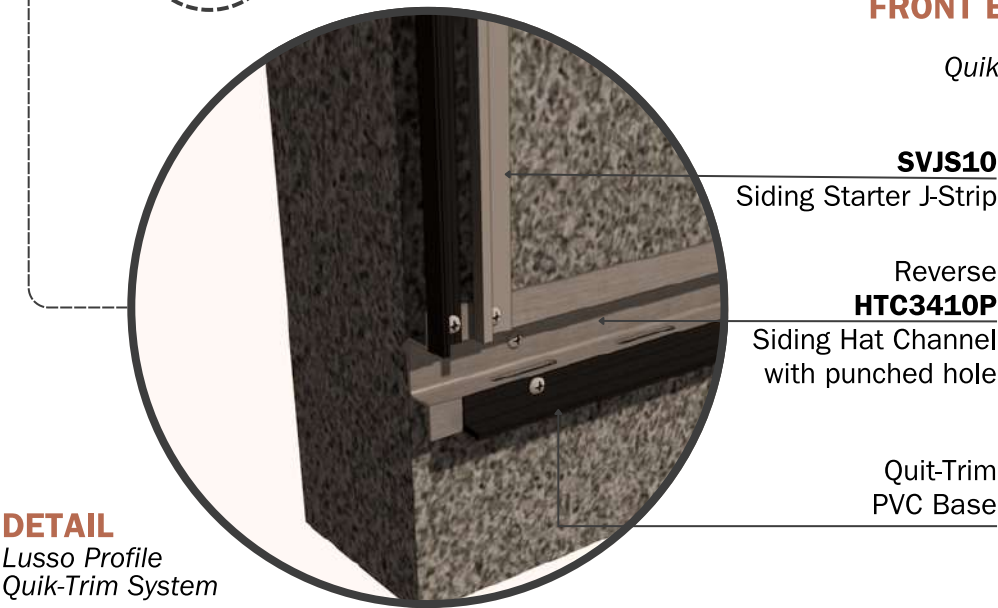
SECTION 1 - VERTICAL LUSO PROFILE APPLICATION
EXPOSED EDGES

SECTION 1.6

A Starter J-Strip is required to install the Lusso Profile. Beside the PVC base attach the starter strip vertically at one end of the batten substructure following the fastener and spacing recommendations. The Lusso Profile will hang beyond the Starter Strip therefore the Starter Strip should be attached accordingly per the pre-plan layout. If the Lusso Profile is installed at the corner follow *Section 2*.



FRONT ELEVATION
Lusso Profile
Quik-Trim System



SECTION 1 - VERTICAL LUSO PROFILE APPLICATION
EXPOSED EDGES

SECTION 1.7

Hook the groove end of the first Lusso Profile into the Starter J-Strip vertically and screw using NV-SIDAC-25-SS screw into the slotted hole in every hat channel support.

Reverse
HTC3410P
Siding Hat Channel
with punched hole

Quit-Trim
PVC Base

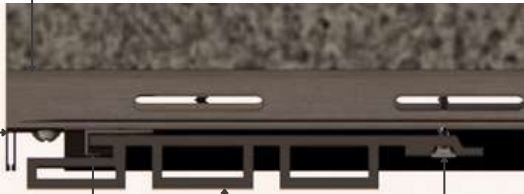
SVJS10
Siding Starter J-Strip

Lusso Board

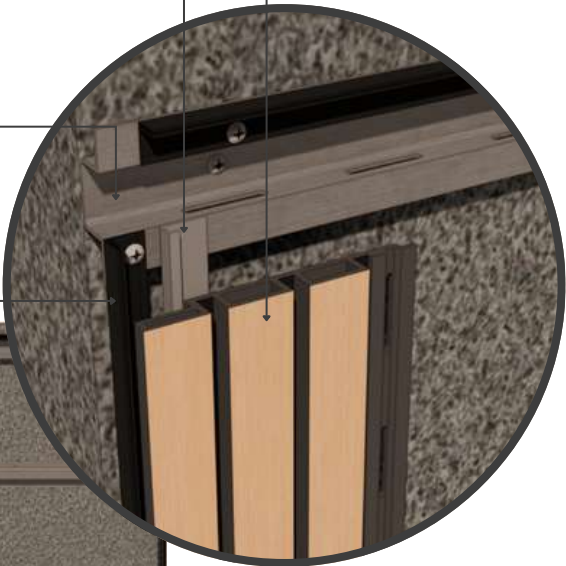
SVJS10
Siding Starter J-Strip

Reverse
HTC3410P
Siding Hat Channel
with punched hole

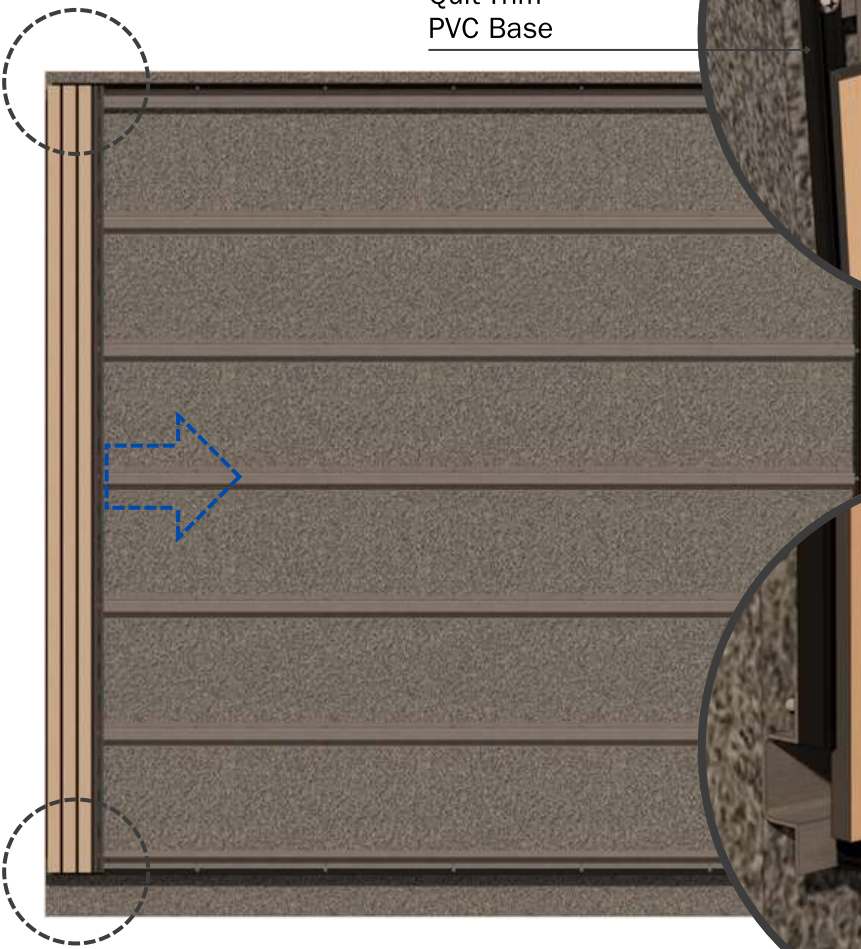
Quit-Trim
PVC Base



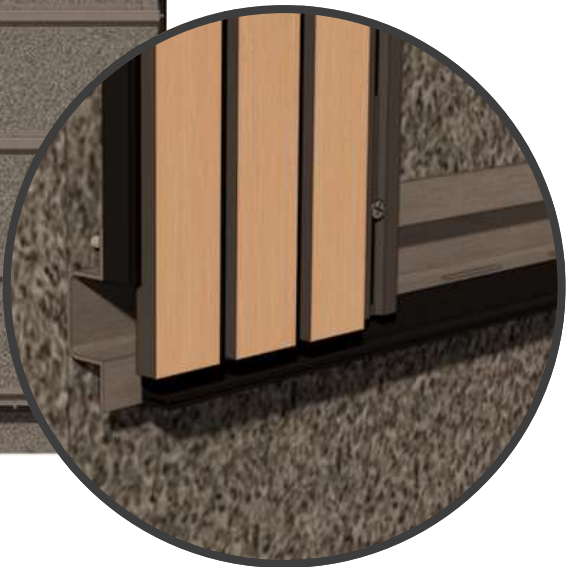
NV-SIDAC-25-SS
1" TEC Shoulder
Stainless
Steel Screw



DETAIL
Lusso Profile
Quik-Trim System



FRONT ELEVATION
Lusso Profile
Quik-Trim System



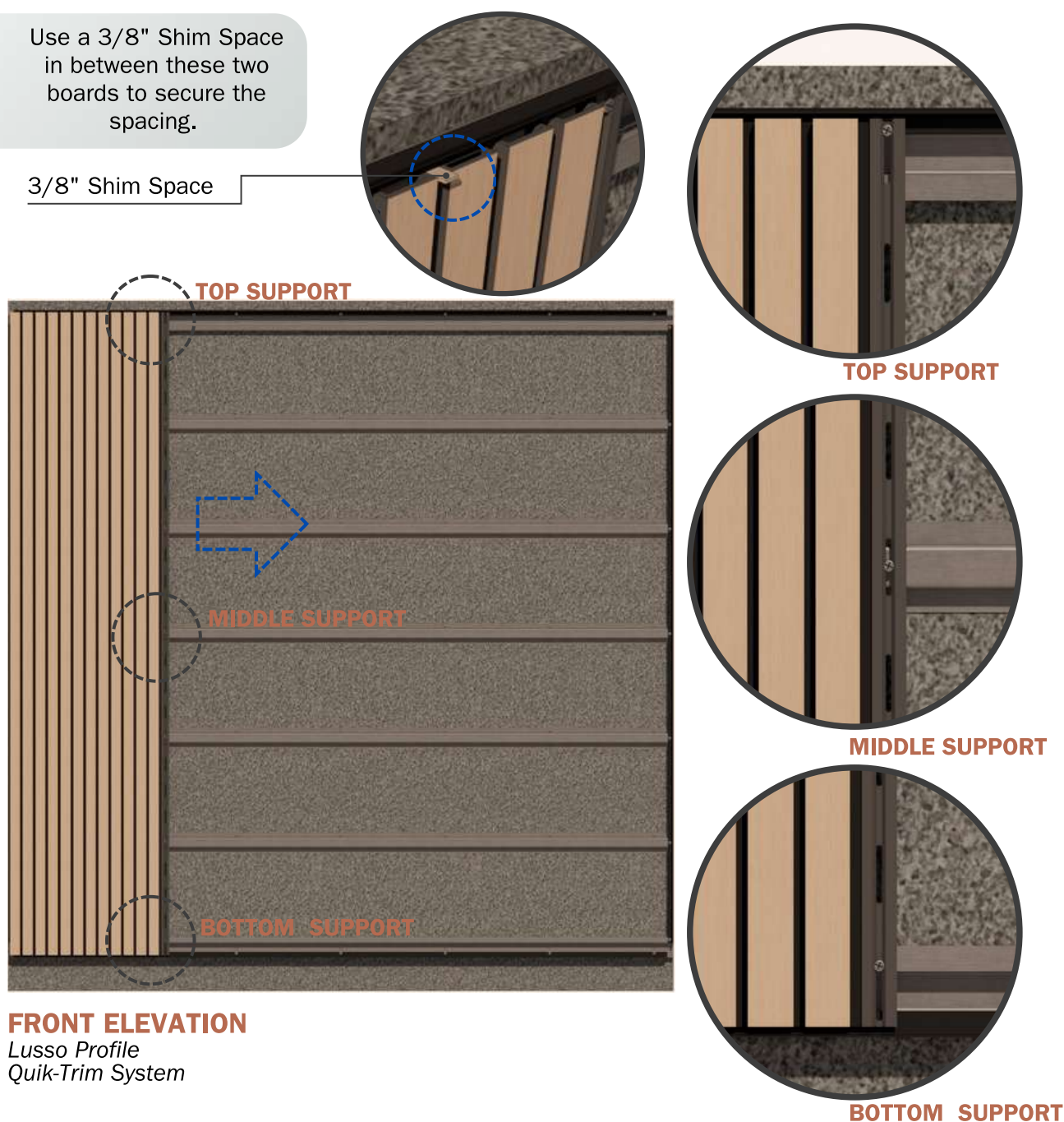
SECTION 1 - VERTICAL LUSO PROFILE APPLICATION EXPOSED EDGES

SECTION 1.8

Continuously install the Lusso Profile vertically and install a NV-SIDAC-25-SS screw or a #8 screw into the slotted hole at the top of the Lusso Profile. 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.

Use a 3/8" Shim Space in between these two boards to secure the spacing.

3/8" Shim Space



FRONT ELEVATION

Lusso Profile
Quik-Trim System

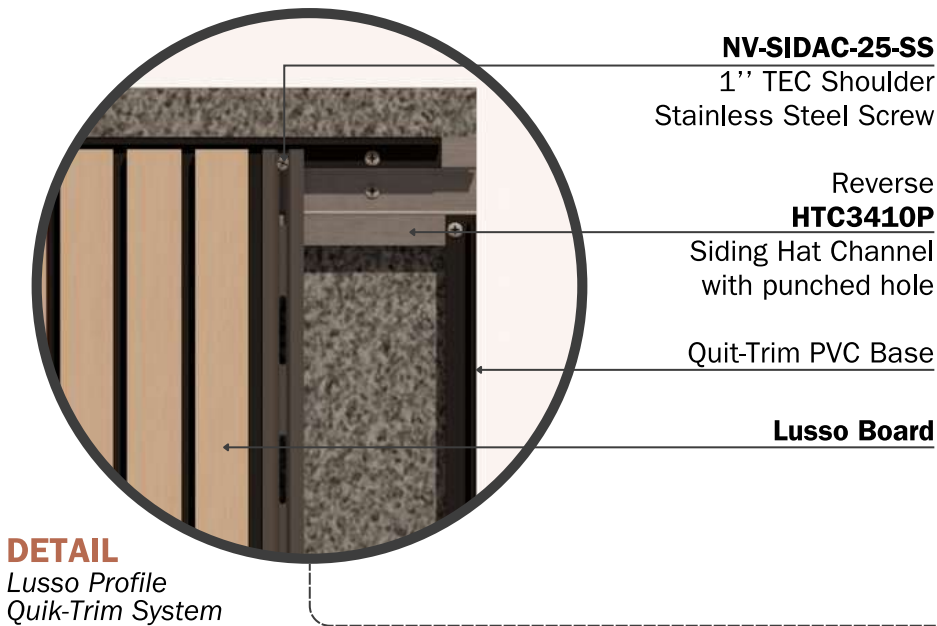
SPECIAL REQUIREMENT

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.

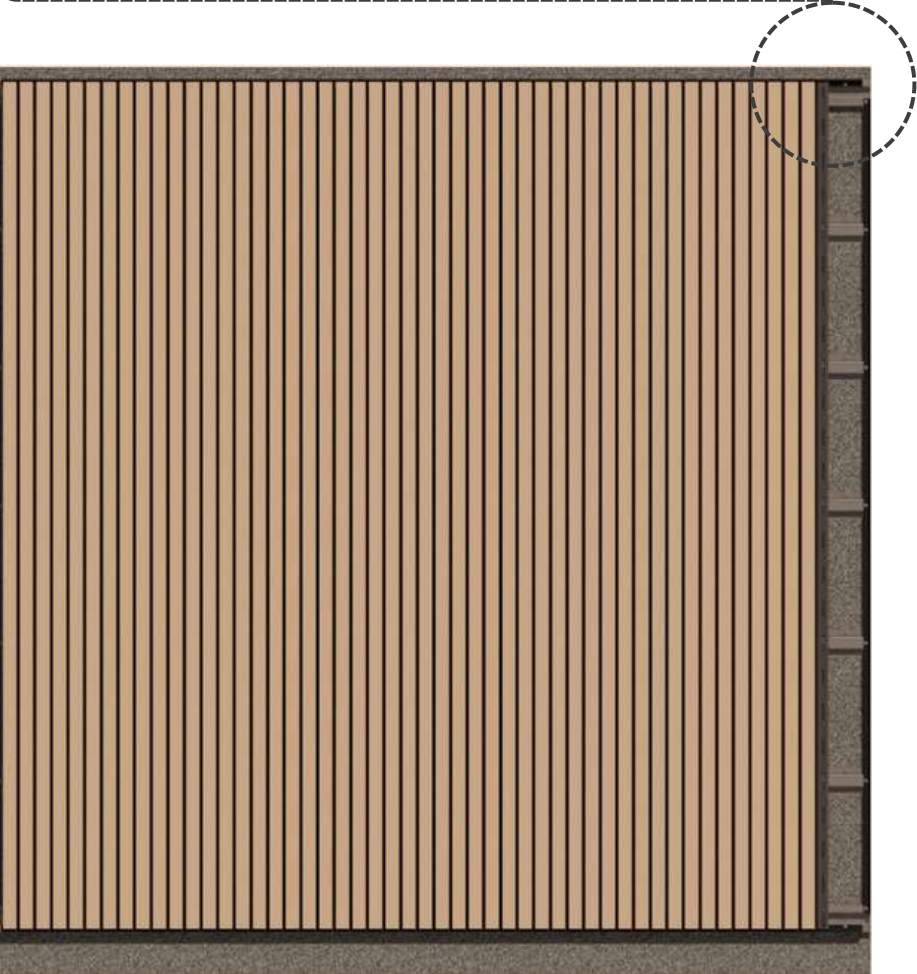
SECTION 1 - VERTICAL LUSO PROFILE APPLICATION
EXPOSED EDGES

SECTION 1.9

Continue installing the lusso profile vertically as outlined in **Step 1.7**.



FRONT ELEVATION
*Lusso Profile
Quik-Trim System*



NOTE:
If installing more than one board in height, please refer to
Section 3 – Multi-Board Lusso Profile Applications

SECTION 1 - VERTICAL LUSSO PROFILE APPLICATION
EXPOSED EDGES

SECTION 1.10

The last board needs to be cut and router a hole for the screw.



DETAIL 1

Mark the Last Board
based on remaining
Installation Width.



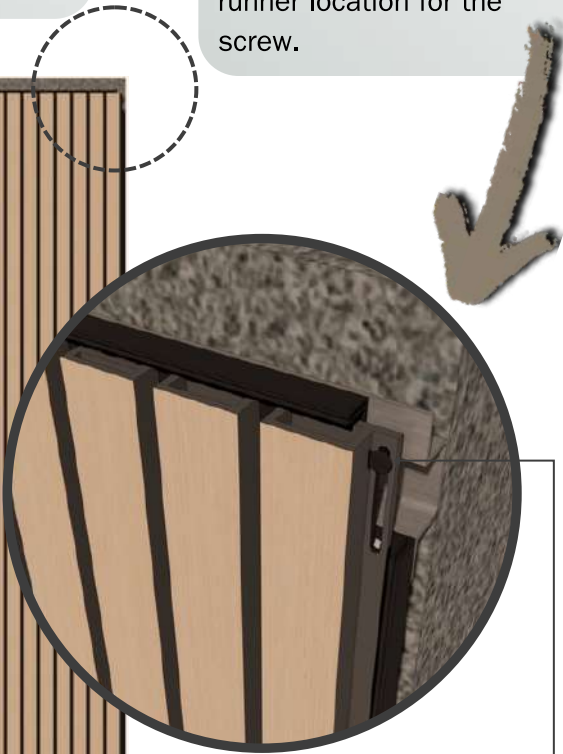
DETAIL 2

Cut the Last Board.



DETAIL 3

Use a router or similar to
provide an 1/8" x 2" hole
in the board at every
runner location for the
screw.



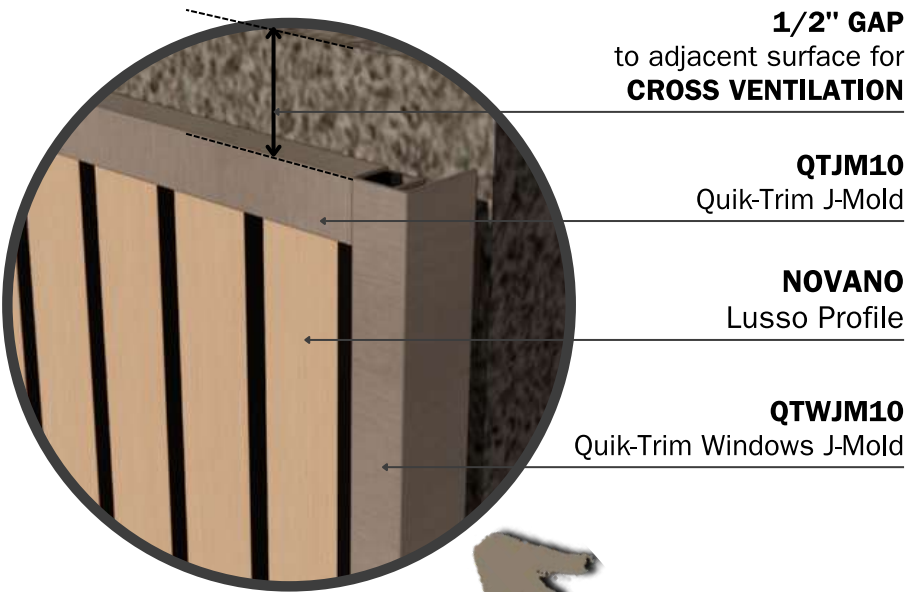
Use a
Black Flat Head Screw

FRONT ELEVATION
*Lusso Profile
Quik-Trim System*

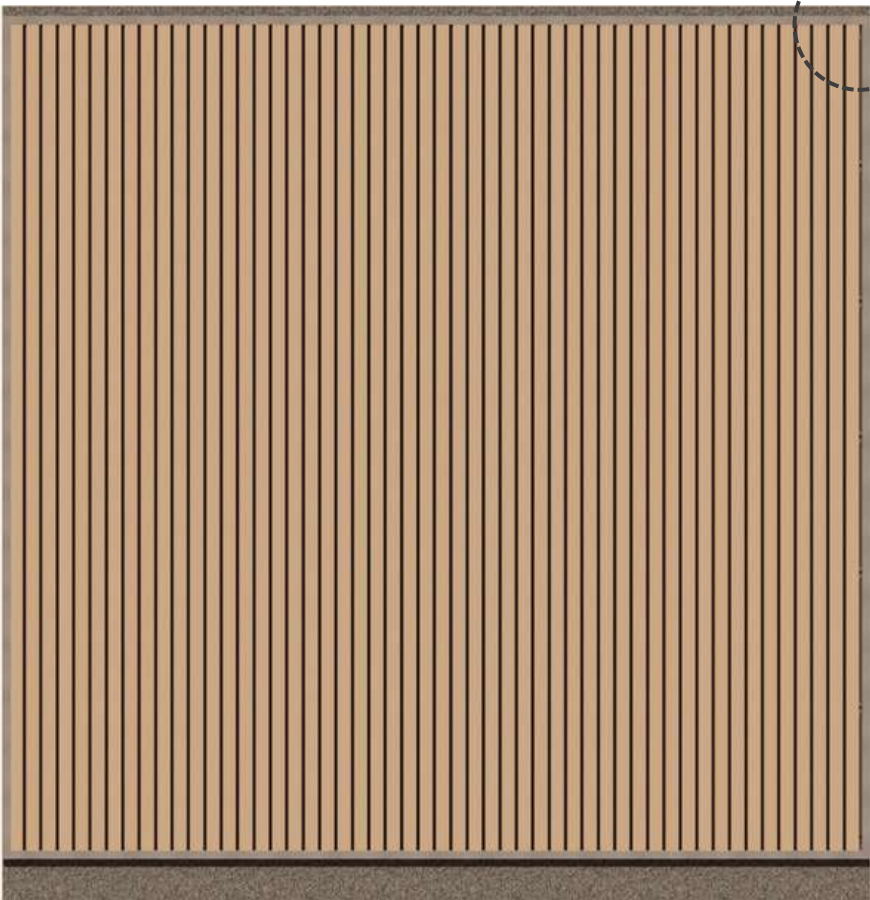
SECTION 1 - VERTICAL LUSSO PROFILE APPLICATION
EXPOSED EDGES

SECTION 1.11

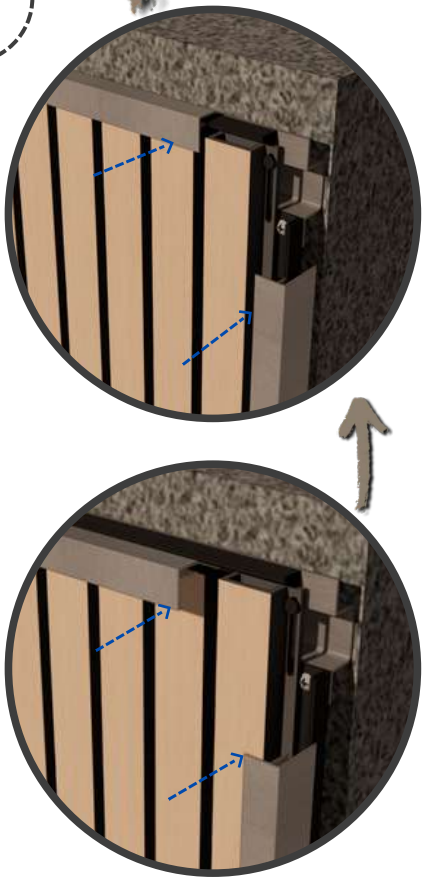
After the installation of the last Lusso Profile, the exposed edges will be finished by Aluminum Quik-Trim. Finally, install the Window J-Mold into the PVC base on the sides and J-Mold into the topmost part.



TOP DETAILS
Lusso Profile Quik-Trim System



FRONT ELEVATION
*Lusso Profile
Quik-Trim System*



**Install the
Quik-Trim J-Mold &
Quik-Trim Windows J-Mold
into the PVC Base**

SECTION 1 - VERTICAL LUSSO PROFILE APPLICATION
EXPOSED EDGES

SECTION 1.11

QTJM10
Quik-Trim J-Mold

NOVANO
Lusso Profile

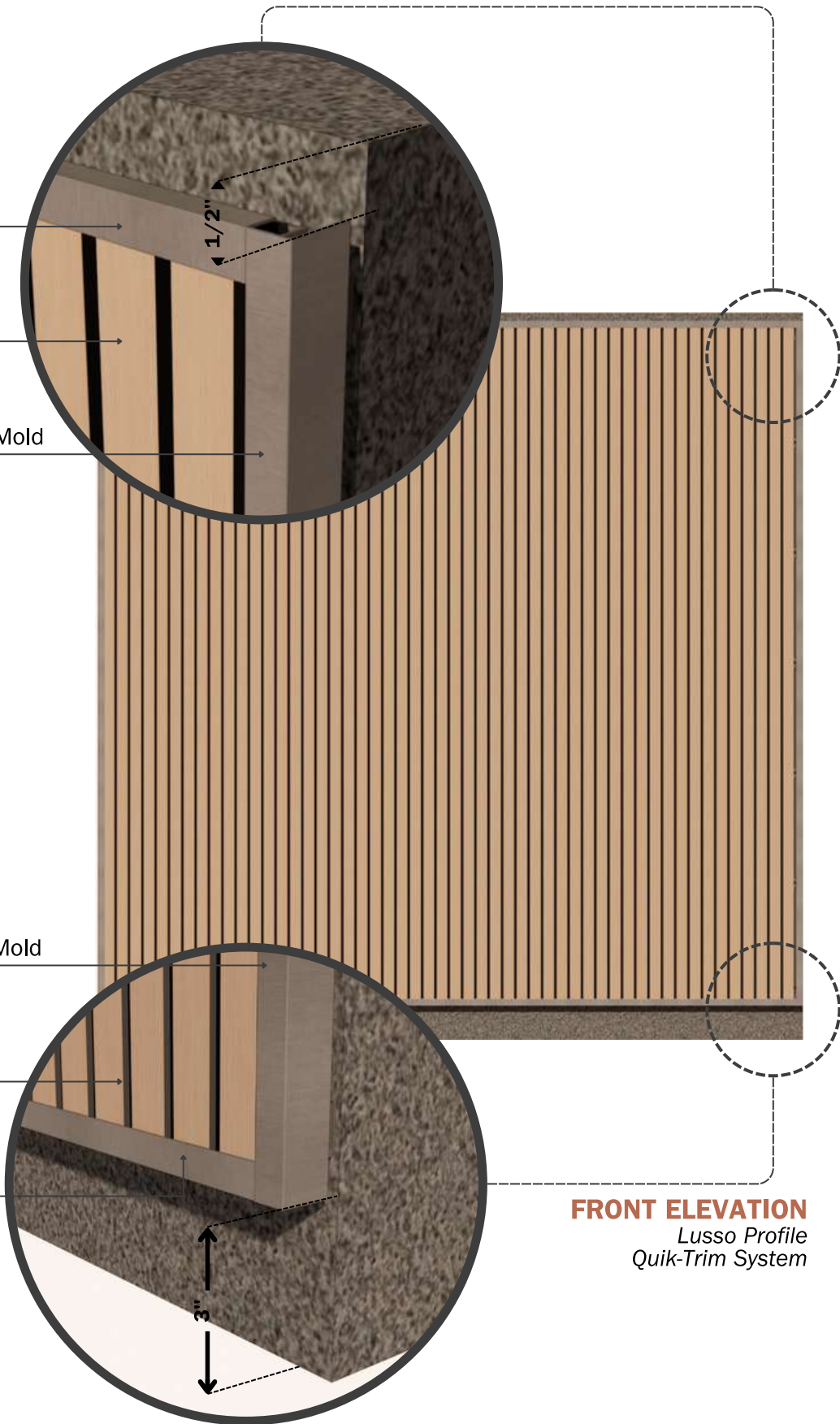
QTWJM10
Quik-Trim Windows J-Mold

QTWJM10
Quik-Trim Windows J-Mold

NOVANO
Lusso Profile

QTJM10
Quik-Trim J-Mold

DETAILS
Lusso Profile
Quik-Trim System



**SECTION 2 - VERTICAL LUSSO PROFILE APPLICATION
ON OUTSIDE CORNERS**

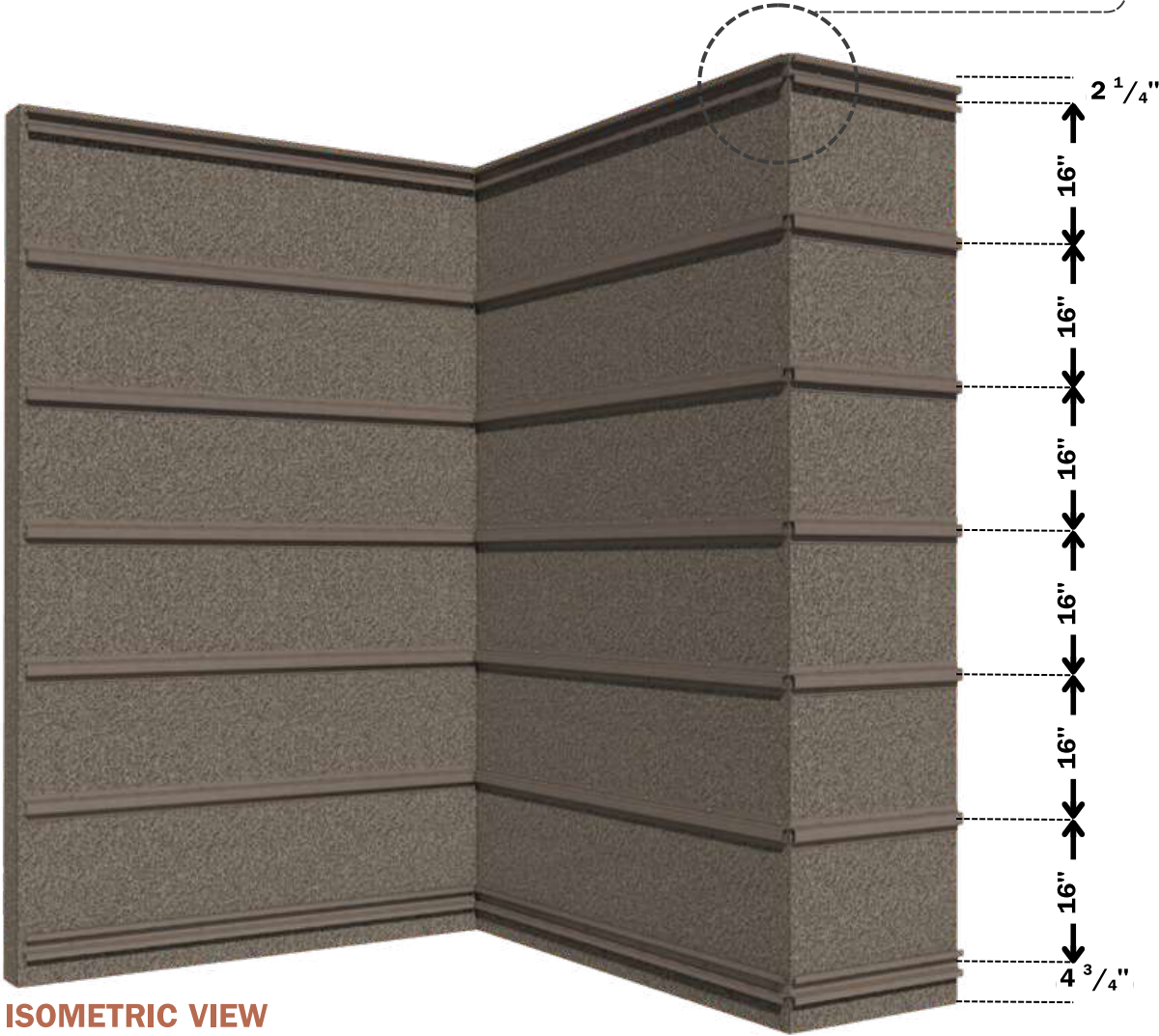
SECTION 2.1

Follow **Steps 1.1, 1.2, 1.3, and 1.4** from *Section 1*. Ensure the installation of the hat channels is aligned with each other on the other side of the wall.

Reverse
HTC3410P
Siding Hat Channel
with punched hole

HTC3410P
Siding Hat Channel
with punched hole

DETAIL
Lusso Profile
Quik-Trim System

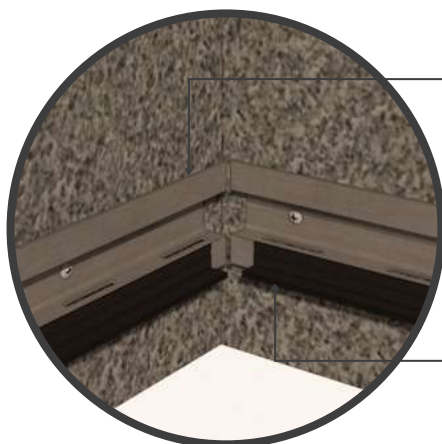


ISOMETRIC VIEW
Lusso Profile
Quik-Trim System

SECTION 2 - VERTICAL LUSSO PROFILE APPLICATION ON OUTSIDE CORNERS

SECTION 2.2

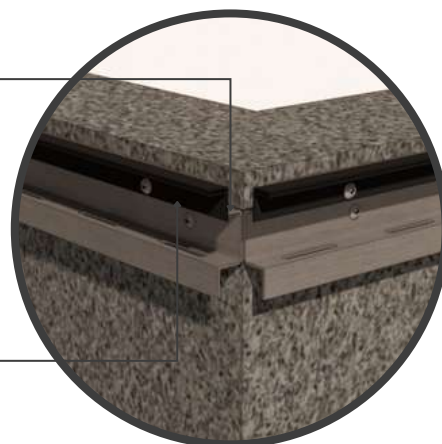
Pre-apply the Quik-Trim PVC Base for all finishing trim accessories such as trim around corners, windows, and doors according to the pre-plan layout and following the manufacturer's recommendations. Ensure that all trim is level and square. Battens should be installed horizontally with punched holes.



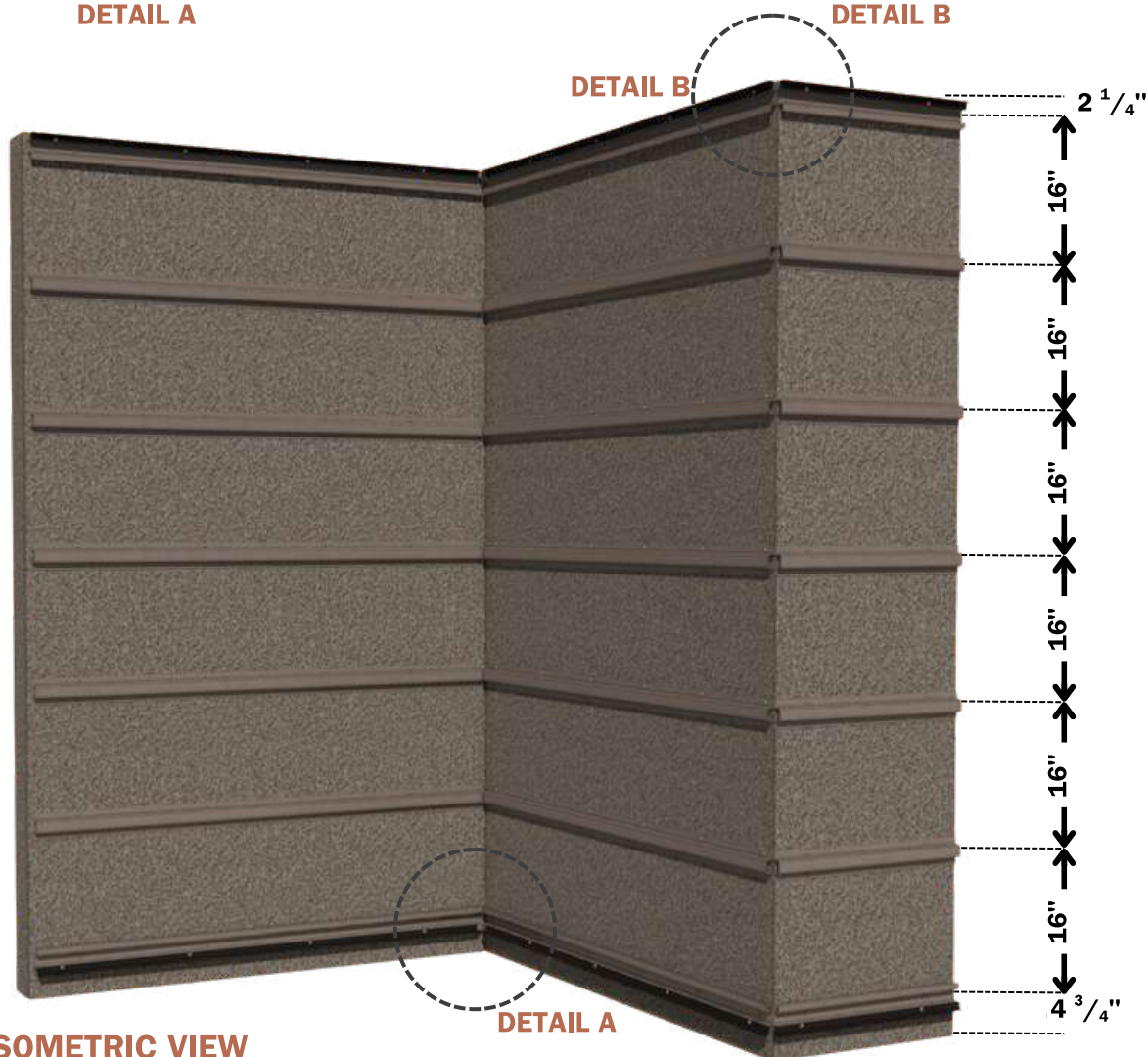
DETAIL A

Reverse
HTC3410P
Siding Hat Channel
with punched hole

Quik-Trim PVC Base



DETAIL B



ISOMETRIC VIEW

Lusso Profile
Quik-Trim System

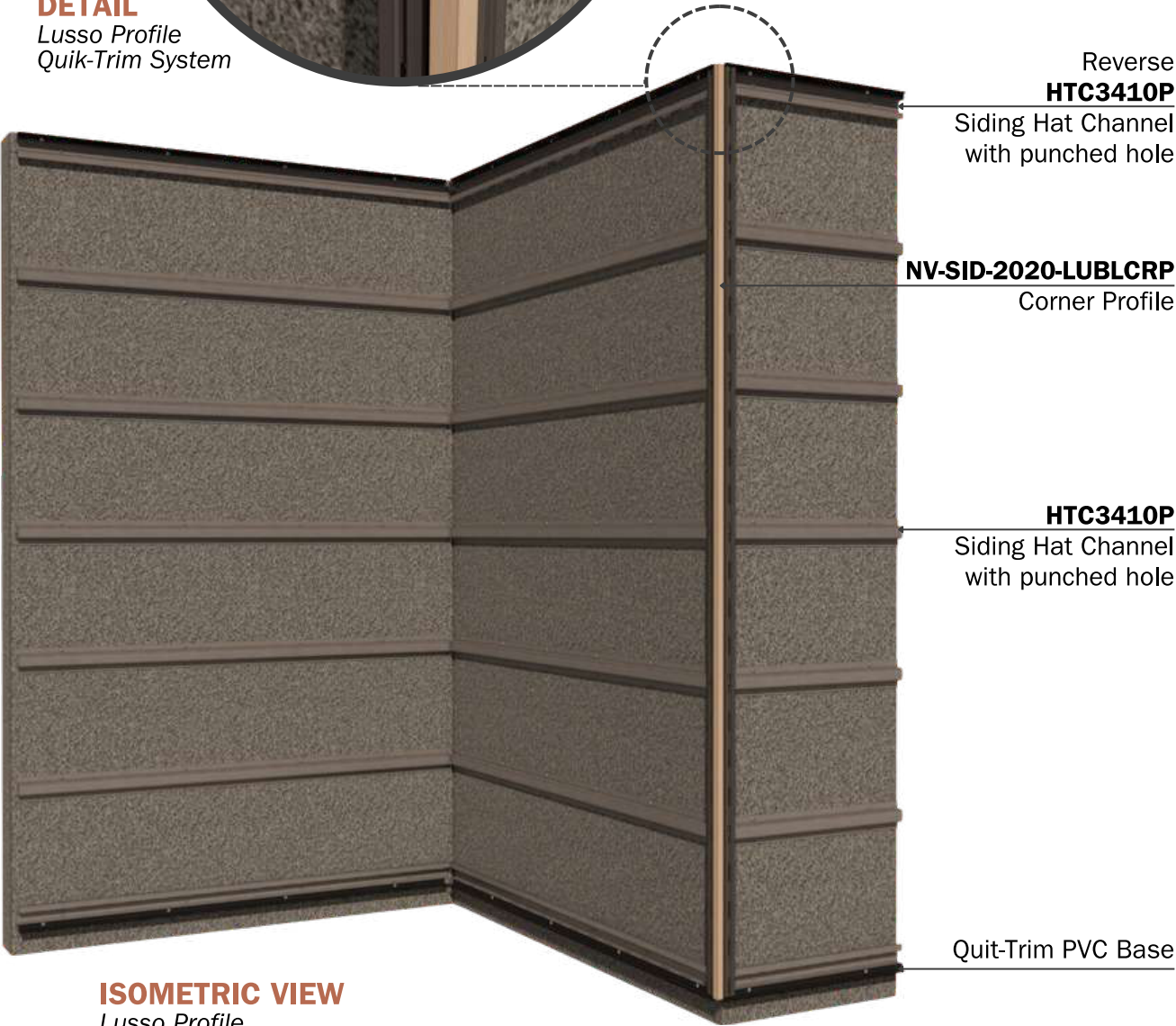
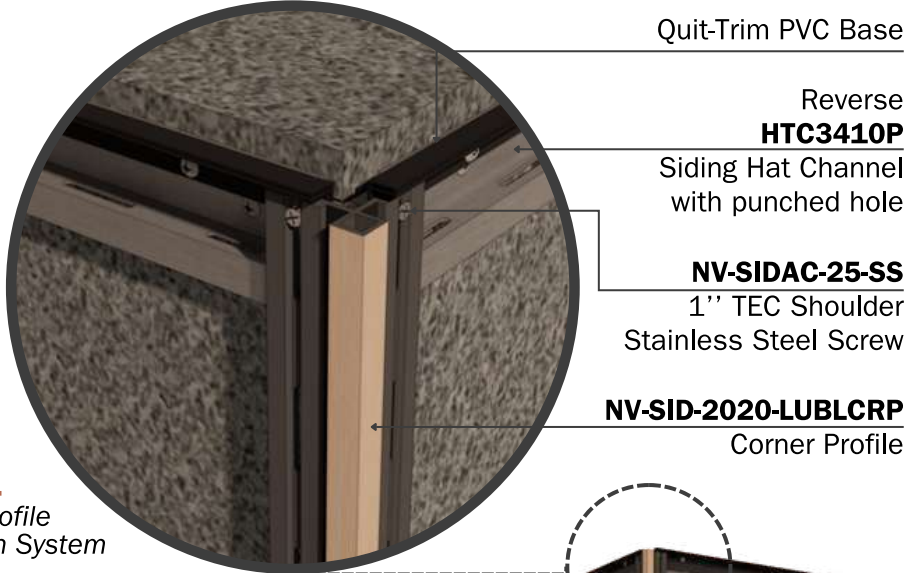
DETAIL A

**SECTION 2 - VERTICAL LUSSO PROFILE APPLICATION
ON OUTSIDE CORNERS**

SECTION 2.3

After the installation of the Quik-Trim PVC base, screw the NV-SID-2020-LUBLCRP Corner Profile directly into the hat channel using the NV-SIDAC-25-SS screw and make sure that the Corner Profile is plumb.

DETAIL
*Lusso Profile
Quik-Trim System*

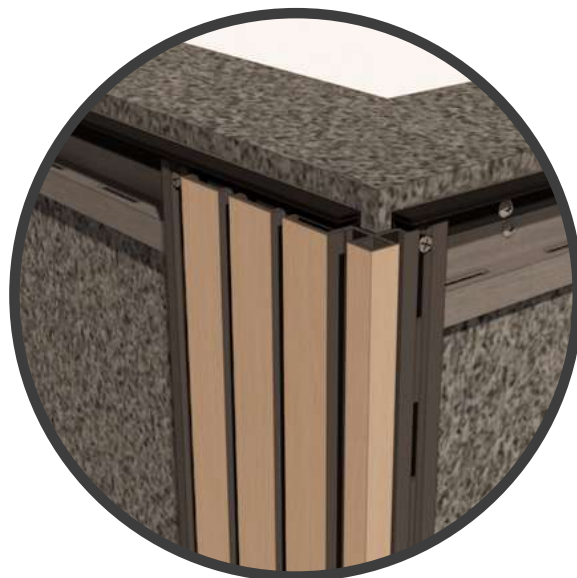
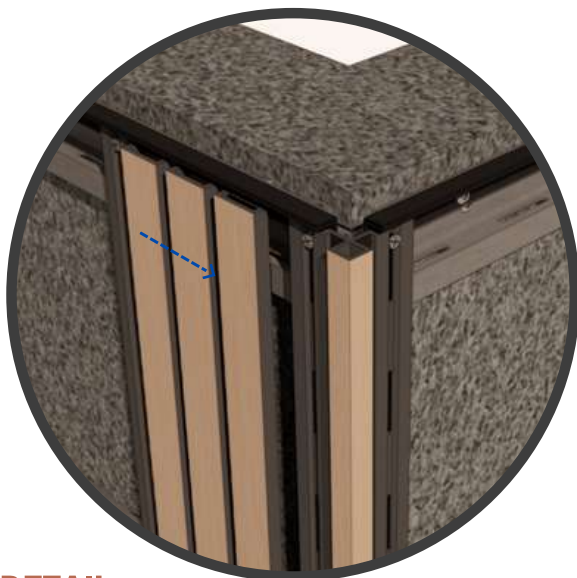


ISOMETRIC VIEW
*Lusso Profile
Quik-Trim System*

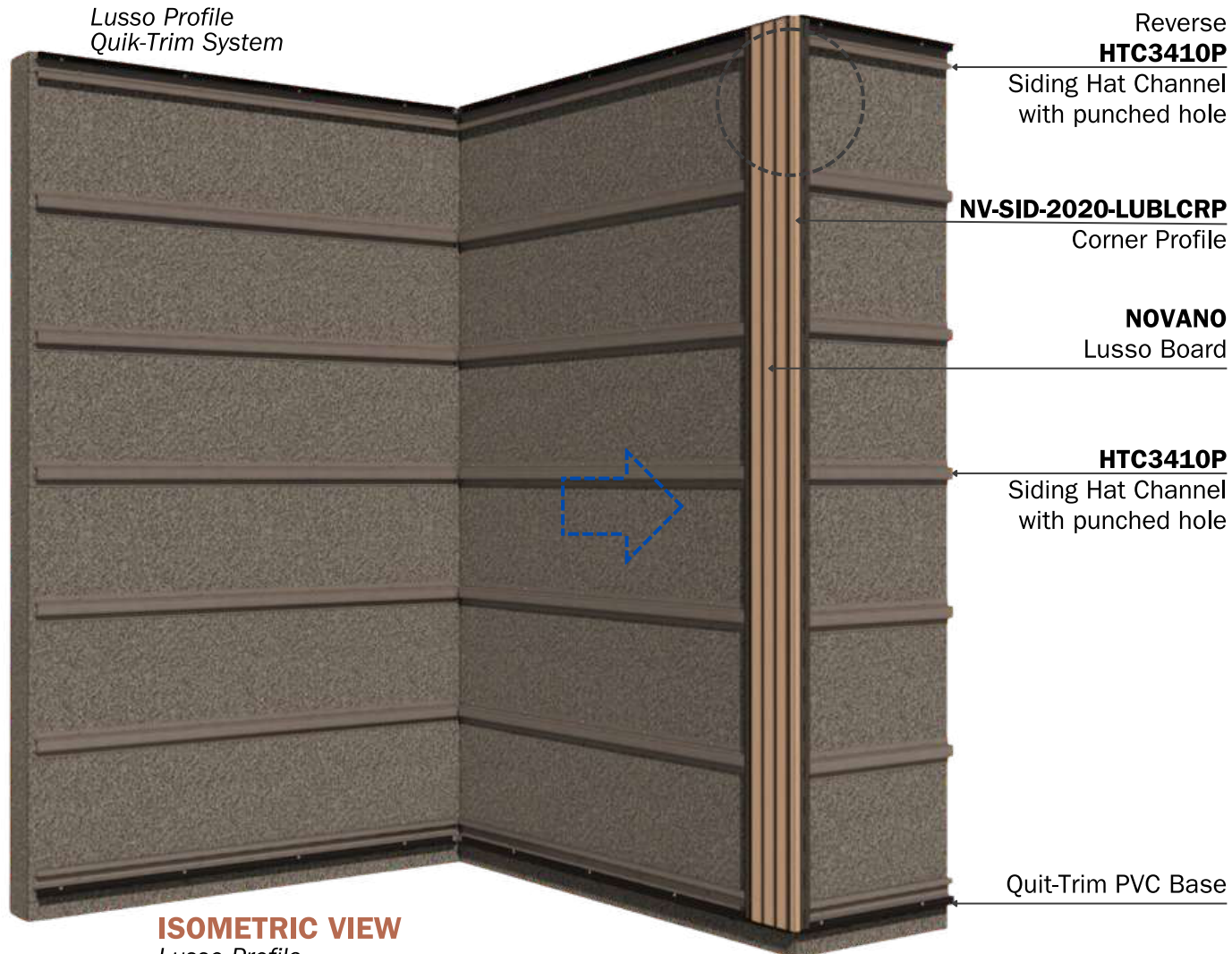
SECTION 2 - VERTICAL LUSO PROFILE APPLICATION ON OUTSIDE CORNERS

SECTION 2.4

Slide in the first lusso board and screw on the topmost part using NV-SIDAC-25-SS aligned into the Corner Profile and make sure that the board is plumbed.



DETAIL
Lusso Profile
Quik-Trim System

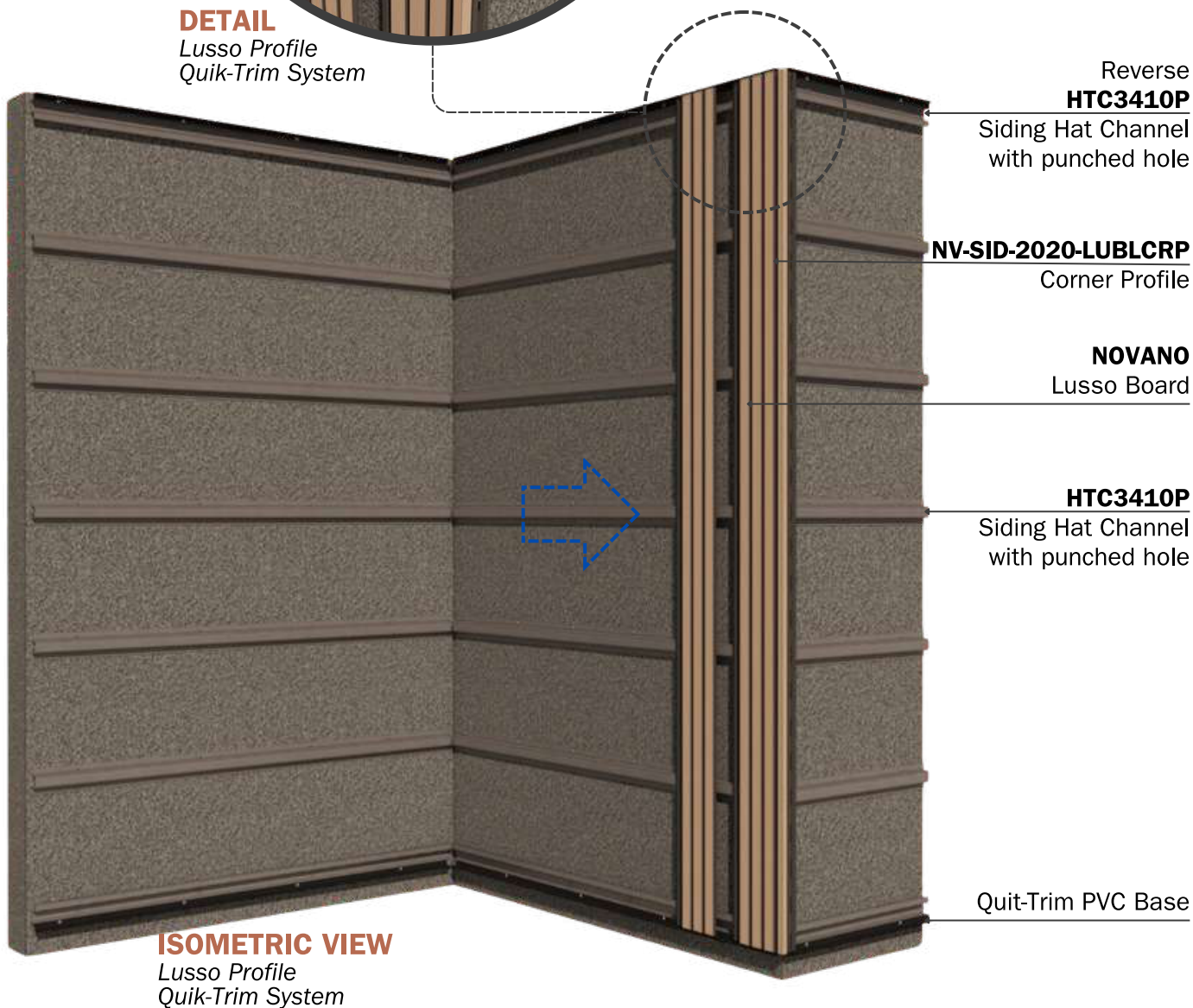
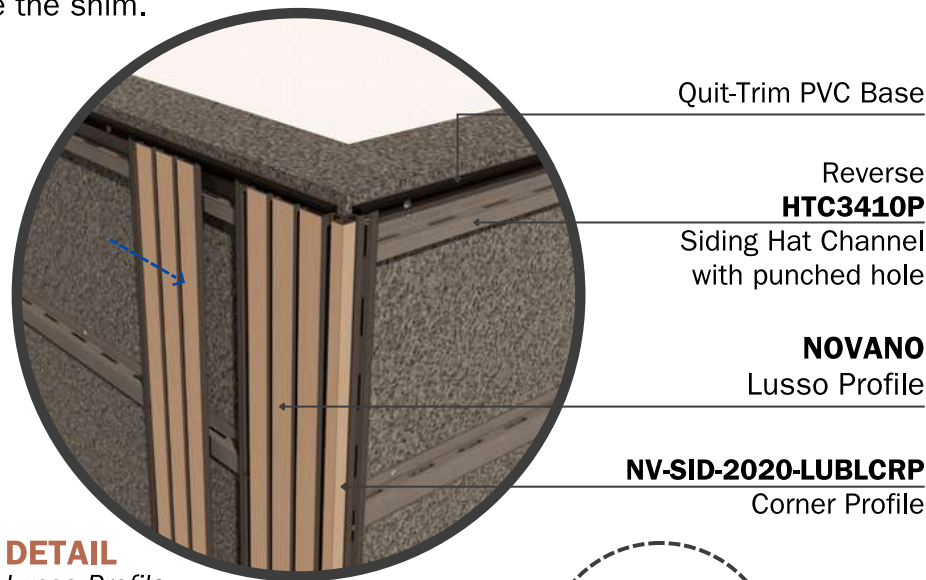


ISOMETRIC VIEW
Lusso Profile
Quik-Trim System

**SECTION 2 - VERTICAL LUSSO PROFILE APPLICATION
ON OUTSIDE CORNERS**

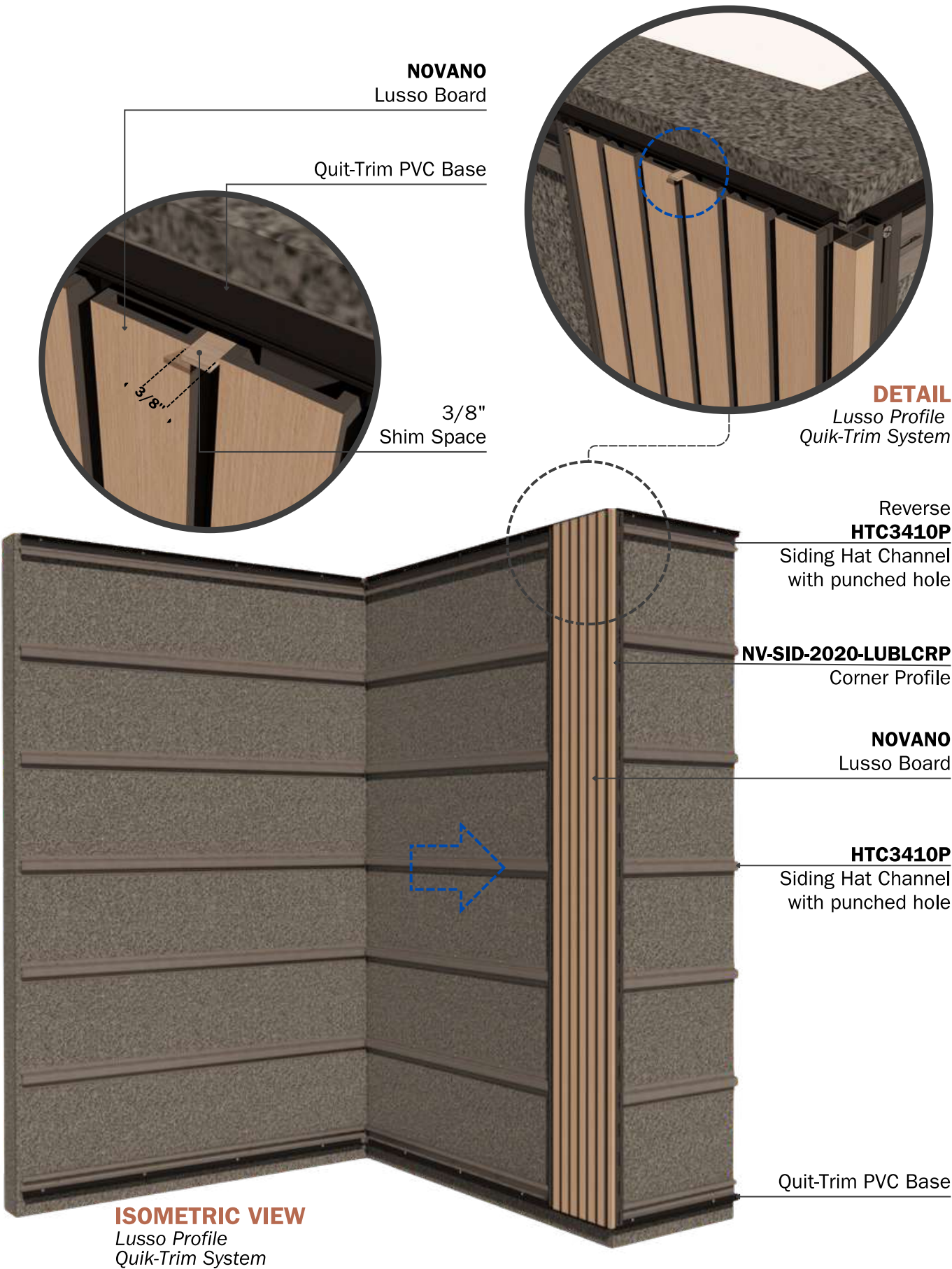
SECTION 2.5

Slide in the Second Lusso Board aligned into the first board. Use a 3/8" Shim in between these two boards to secure the spacing. Screw the second board and then remove the shim.



SECTION 2 - VERTICAL LUSSO PROFILE APPLICATION
ON OUTSIDE CORNERS

SECTION 2.5



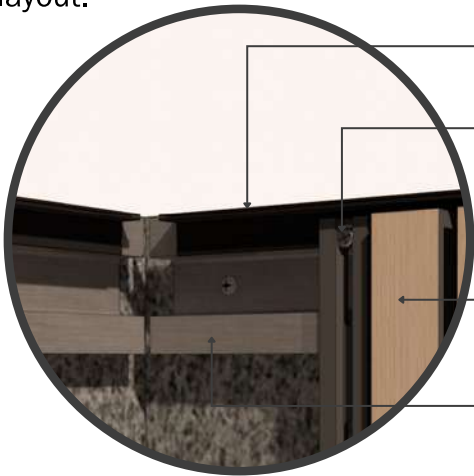
**SECTION 2 - VERTICAL LUSSO PROFILE APPLICATION
ON OUTSIDE CORNERS**

SECTION 2.6

Repeat **Step 2.5** until reaching the end of the wall and make sure that the corner is plumb based on the project layout.

DETAIL A

Hard fasten the first screw on the top part of the hole.



Quit-Trim PVC Base

NV-SIDAC-25-SS

1" TEC Shoulder
Stainless Steel Screw

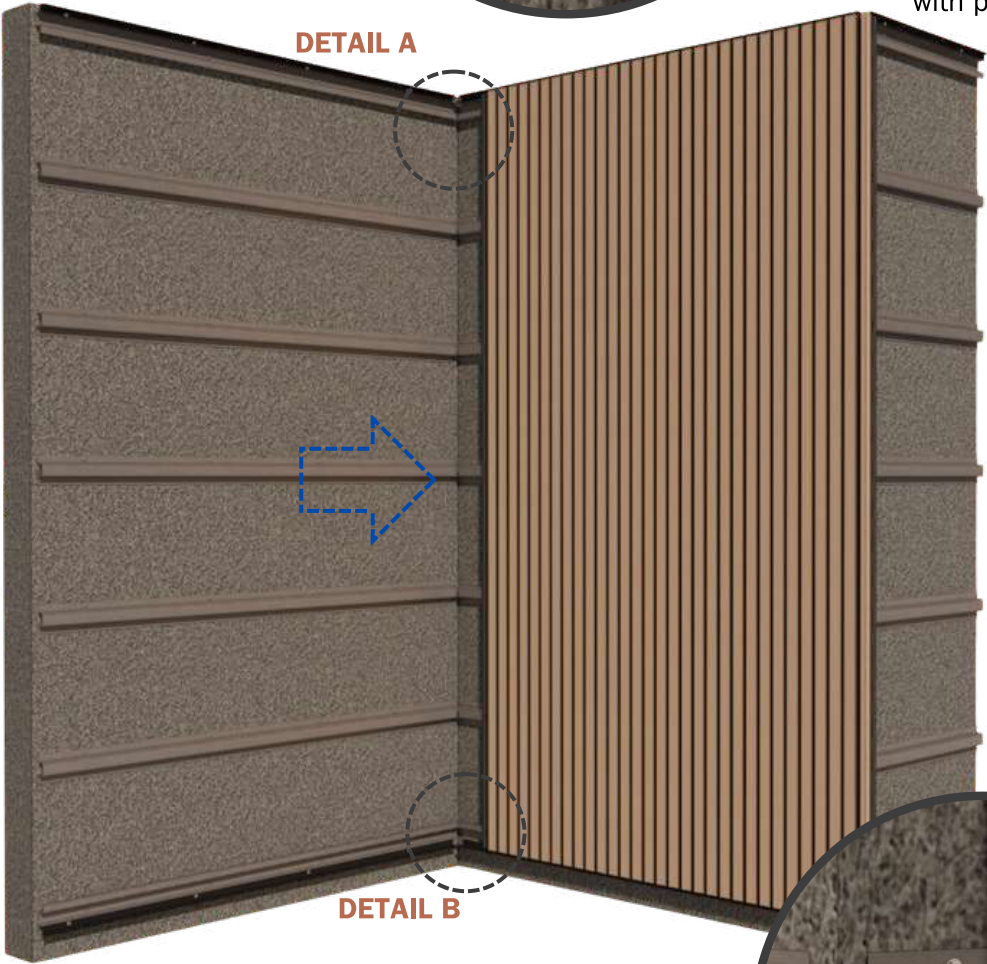
NOVANO

Lusso Board

Reverse

HTC3410P

Siding Hat Channel
with punched hole



DETAIL A

DETAIL B

DETAIL B

Loose for the rest of the screw placed it on the center of the hole to allow movement.

ISOMETRIC VIEW

Lusso Profile
Quik-Trim System

HTC3410P

Siding Hat Channel
with punched hole

NV-SIDAC-25-SS

1" TEC Shoulder
Stainless Steel Screw

NOVANO

Lusso Board

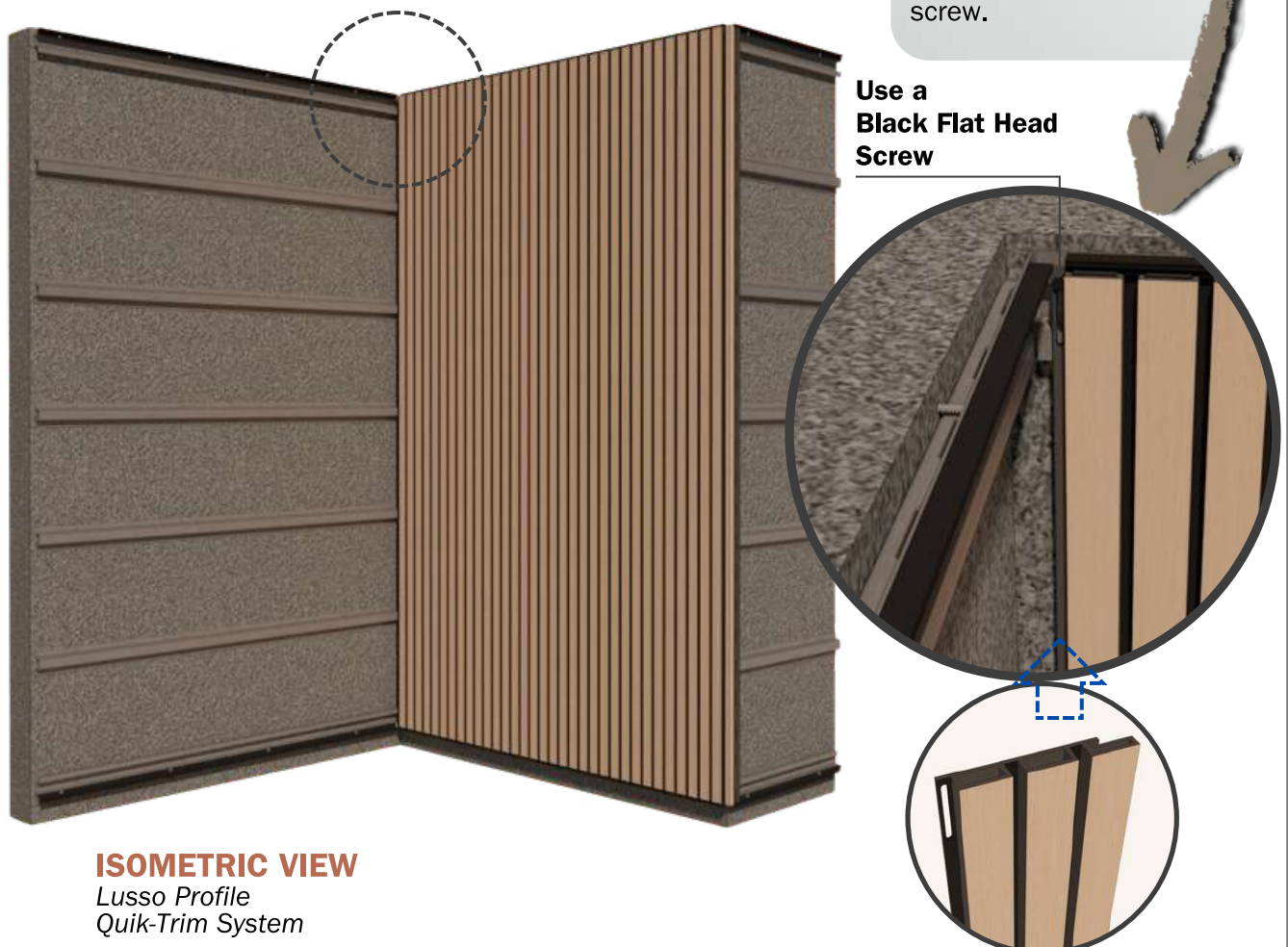
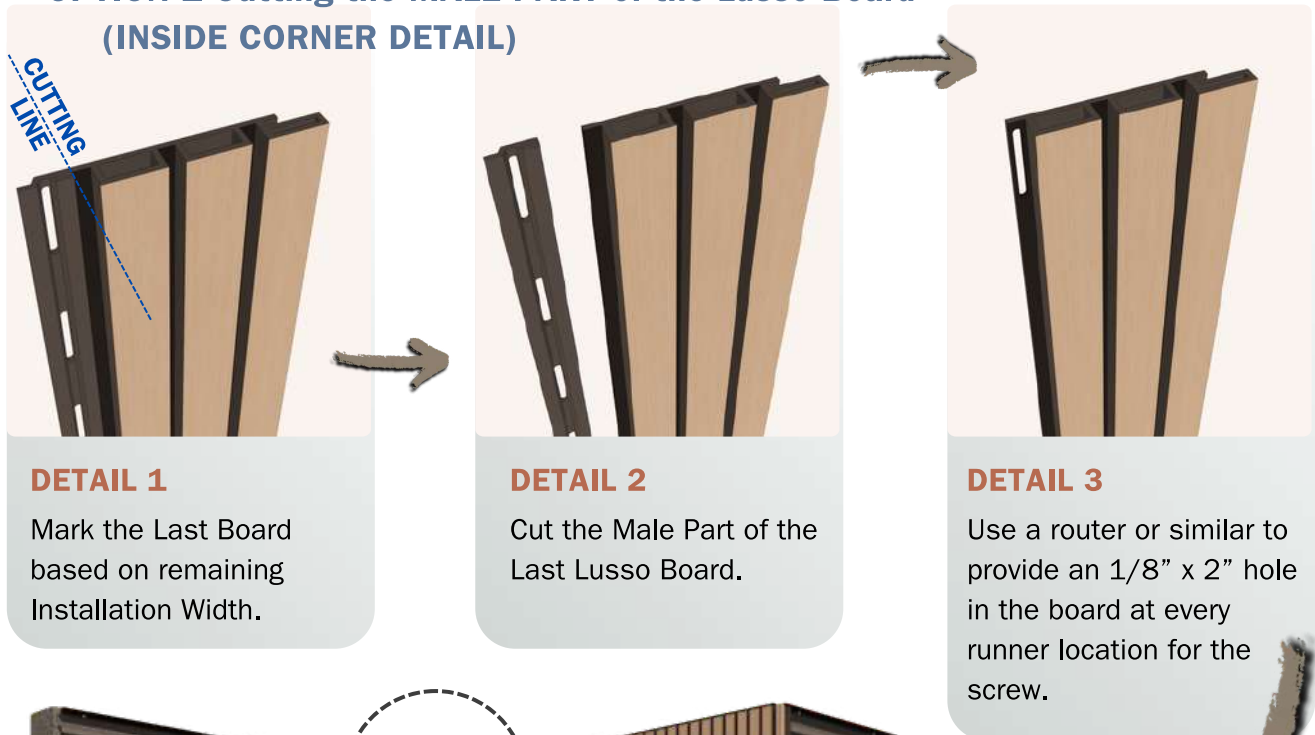


SECTION 2 - VERTICAL LUSSO PROFILE APPLICATION ON OUTSIDE CORNERS

SECTION 2.7

The inside corner needs to be finished by Lusso Cut Board.
See **Option 1** and **Option 2** termination.

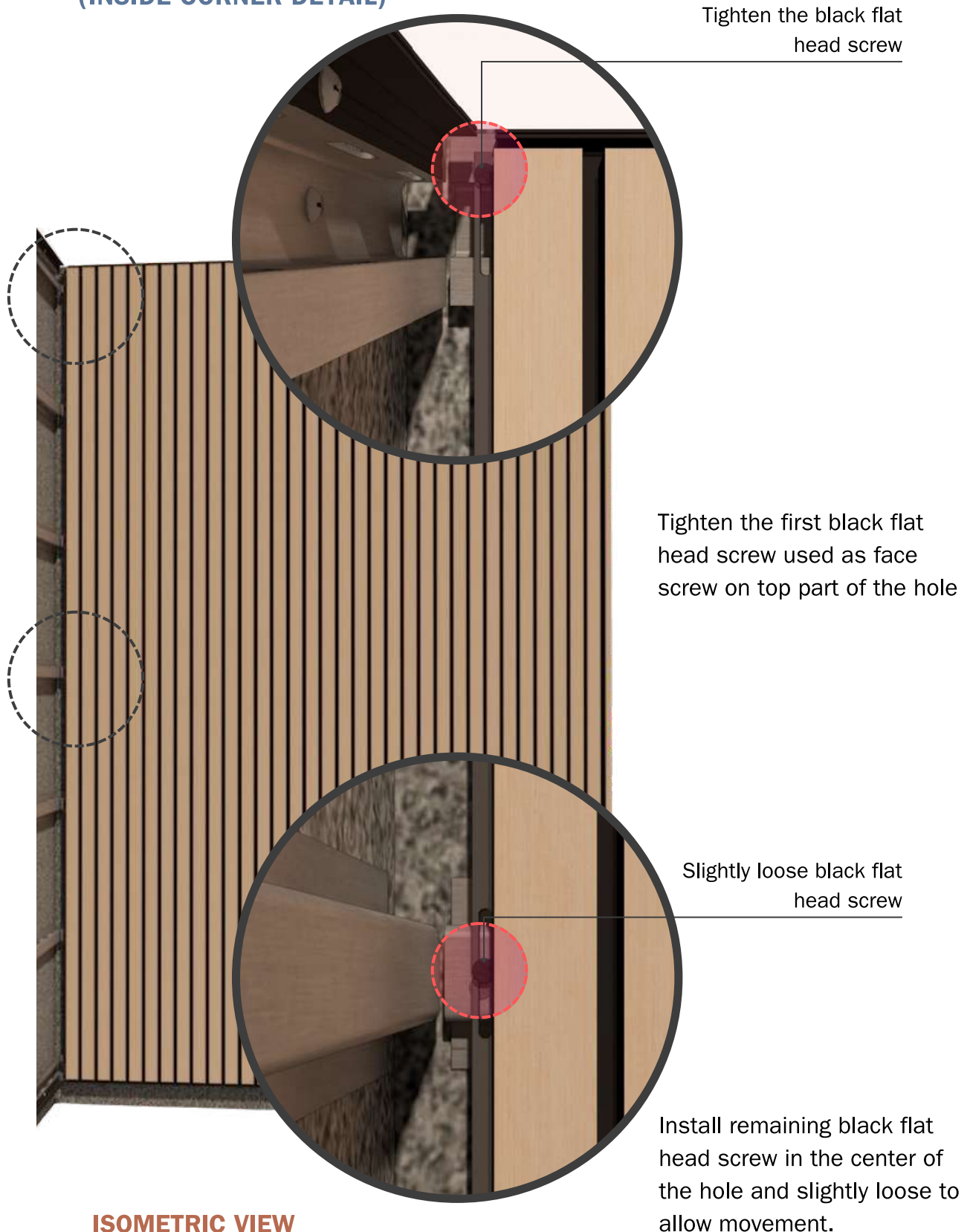
OPTION 1 Cutting the MALE PART of the Lusso Board (INSIDE CORNER DETAIL)



SECTION 2 - VERTICAL LUSSO PROFILE APPLICATION ON OUTSIDE CORNERS

SECTION 2.7

OPTION 1 Cutting the MALE PART of the Lusso Board (INSIDE CORNER DETAIL)



ISOMETRIC VIEW

Lusso Profile
Quik-Trim System

SECTION 2 - VERTICAL LUSO PROFILE APPLICATION ON OUTSIDE CORNERS

SECTION 2.7

OPTION 2 Cutting the FEMALE PART of the Lusso Board (INSIDE CORNER DETAIL)



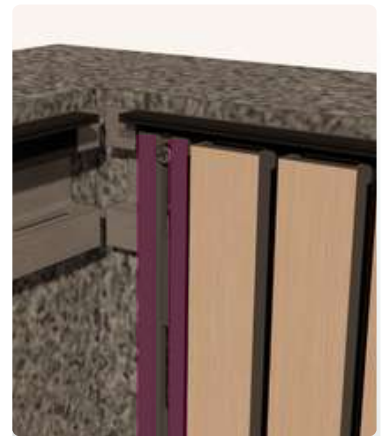
DETAIL 1

Mark the Last Board based on remaining Installation Width.



DETAIL 2

Cut the Female Part of the Last Lusso Board.



DETAIL 3

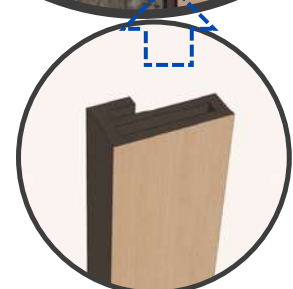
Apply PL Premium adhesive on this area to hold the cut female board.



ISOMETRIC VIEW

Lusso Profile
Quik-Trim System

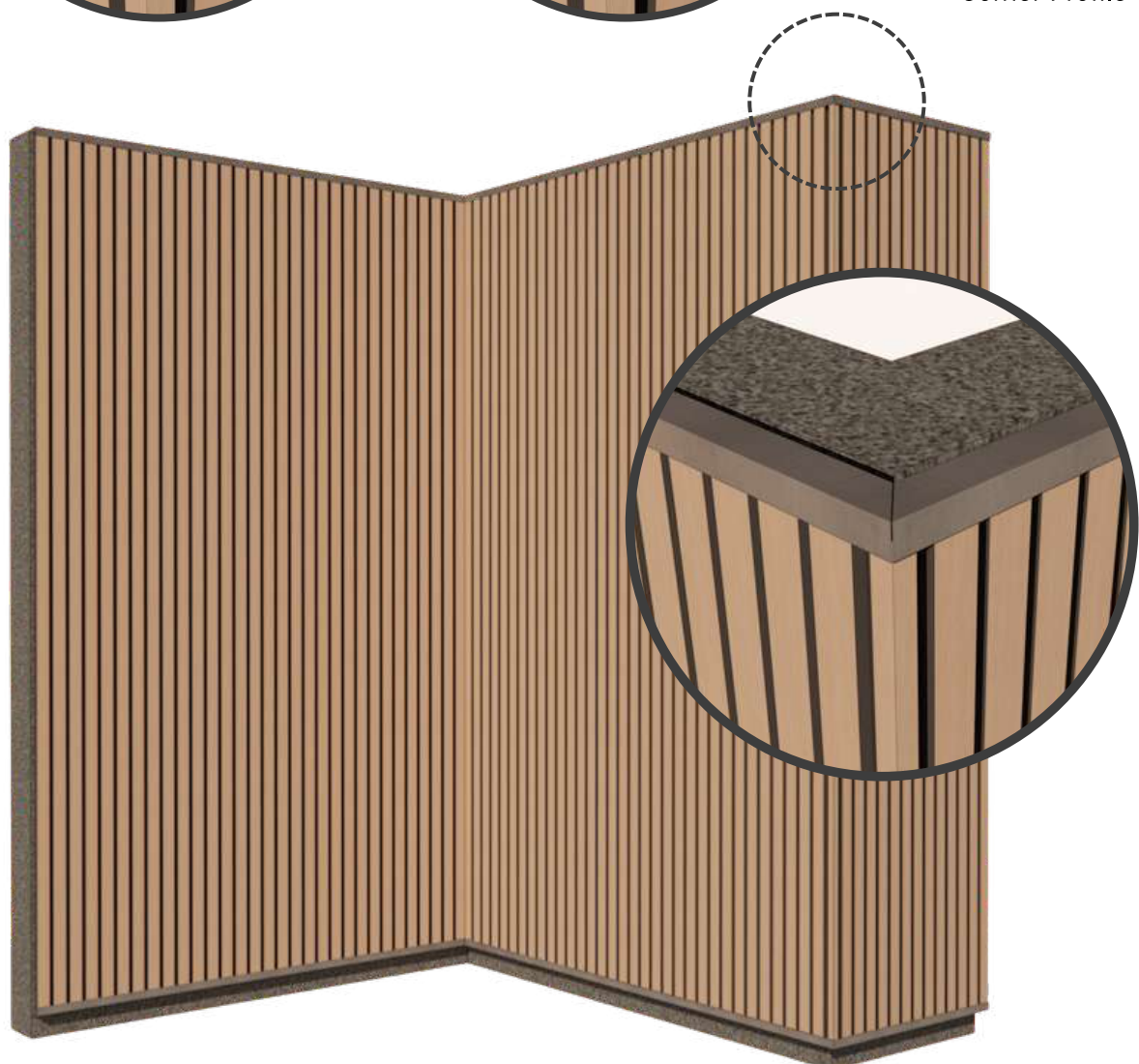
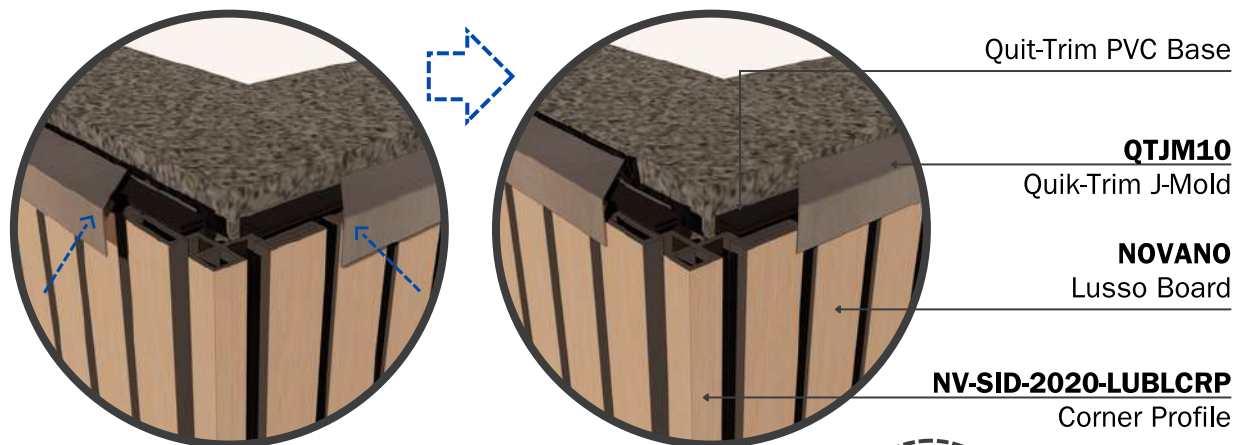
Use a
Black Flat Head
Screw



SECTION 2 - VERTICAL LUSSO PROFILE APPLICATION ON OUTSIDE CORNERS

SECTION 2.8

After the installation of the last Lusso Profile, the exposed edges will be finished by Aluminum Quik-Trim. Finally, install the Window J-Mold into the PVC base on the sides and J-Mold into the topmost part.



ISOMETRIC VIEW

Lusso Profile
Quik-Trim System

SECTION 3 - MULTI-BOARD VERTICAL LUSO PROFILE HIGH INSTALLATION USING THE ALUMINUM

SECTION 3.1

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

SECTION 3.2

Follow **Steps 1.2, 1.3, 1.4, and 1.5** from *Section 1* to install the Quik-Trim Trim, Starter J-Strip, and hook in the first Lusso 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 Lusso Board. This is an option for installations using 3 or more boards abutted end-to-end.

None of the Lusso Profile Trim should be installed horizontally unless weep holes are drilled at 8" intervals to allow for moisture to escape from behind the face flange.

SECTION 3.3

Install the NV-SIDAC-25-SS screw into the slotted hole at the top of the Lusso 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.

SECTION 3.4

Hook the groove end of the next Lusso Board onto the tongue of the installed Lusso Board. Proper gapping between the Lusso Board and Quik-trim PVC base for the H-Mold Aluminum Trim finishing.

SECTION 3.5

Continue installing the Lusso Board vertically as outlined in *Section 1* until the Last Lusso Board is installed. After the installation of the Last Lusso Board, finally, install all the Aluminum Trim on the Quik-Trim PVC Base to finish the installation.

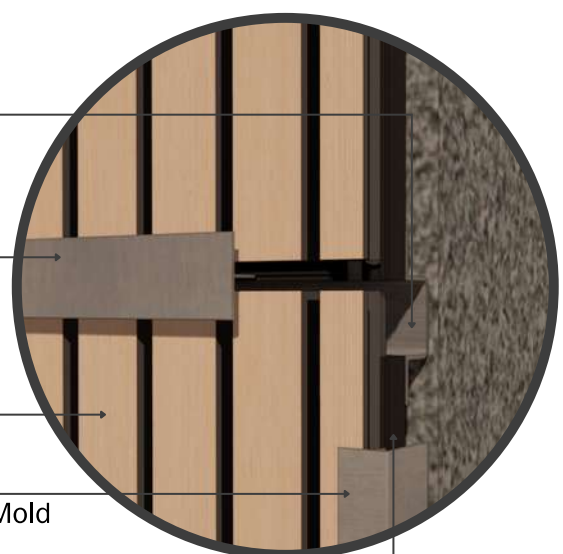
Reverse
HTC3410P
Siding Hat Channel
with punched hole

QTHM10
Quik-Trim H-Mold

NOVANO
Lusso Board

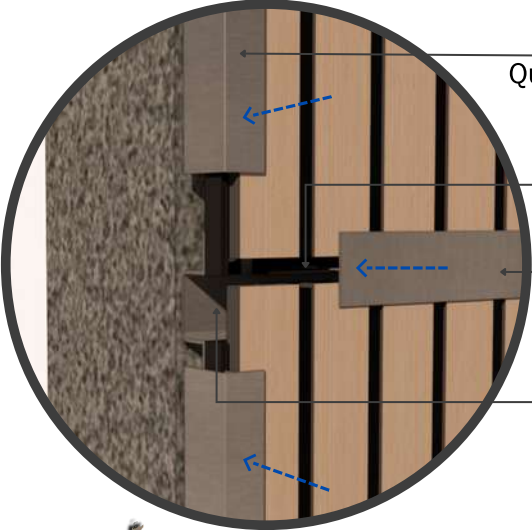
QTWJM10
Quik-Trim Windows J-Mold

Quik-Trim PVC Base



ISOMETRIC DETAIL
Lusso Profile
Quik-Trim System

SECTION 3 - MULTI-BOARD VERTICAL LUSO PROFILE
HIGH INSTALLATION USING THE ALUMINUM

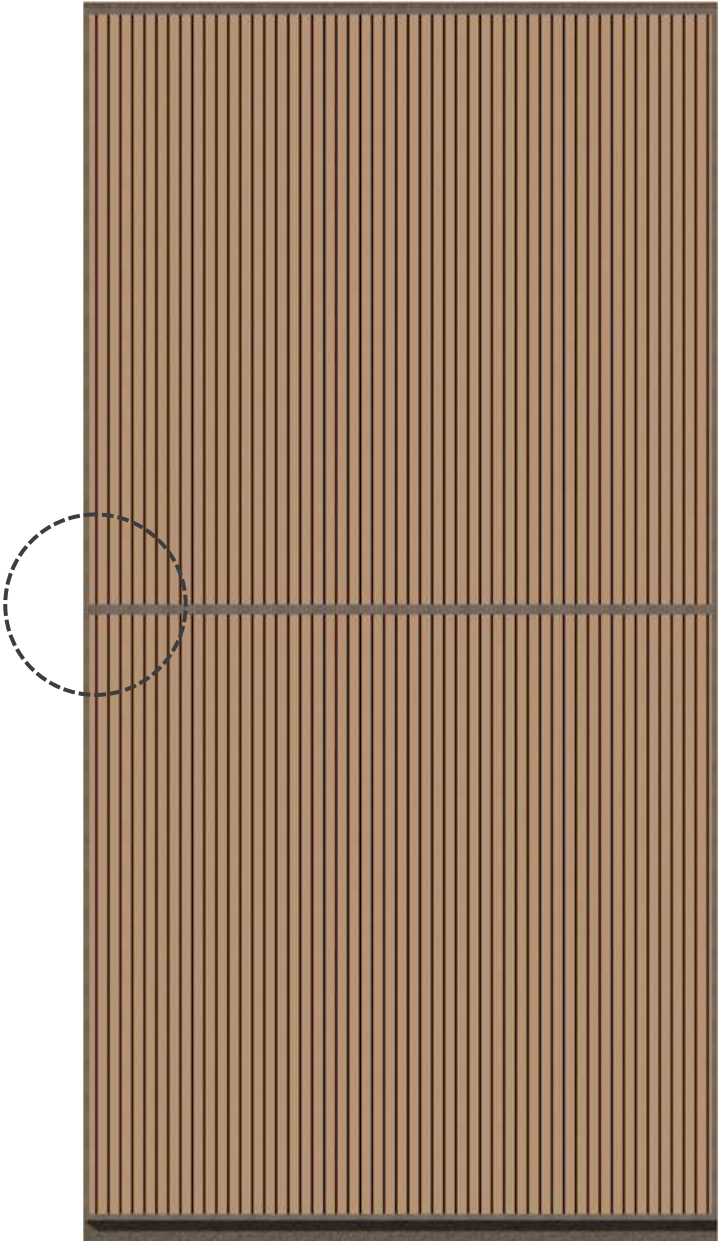
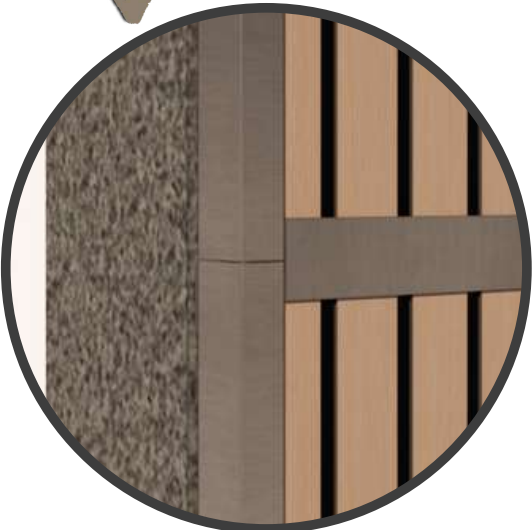
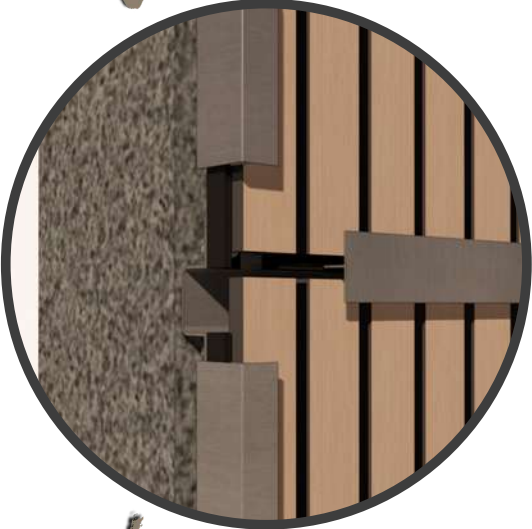


QTWJM10
Quik-Trim Windows J-Mold

Quik-Trim PVC Base

QTHM10
Quik-Trim H-Mold

Reverse
HTC3410P
Siding Hat Channel
with punched hole



ISOMETRIC DETAILS
Lusso Profile
Quik-Trim System

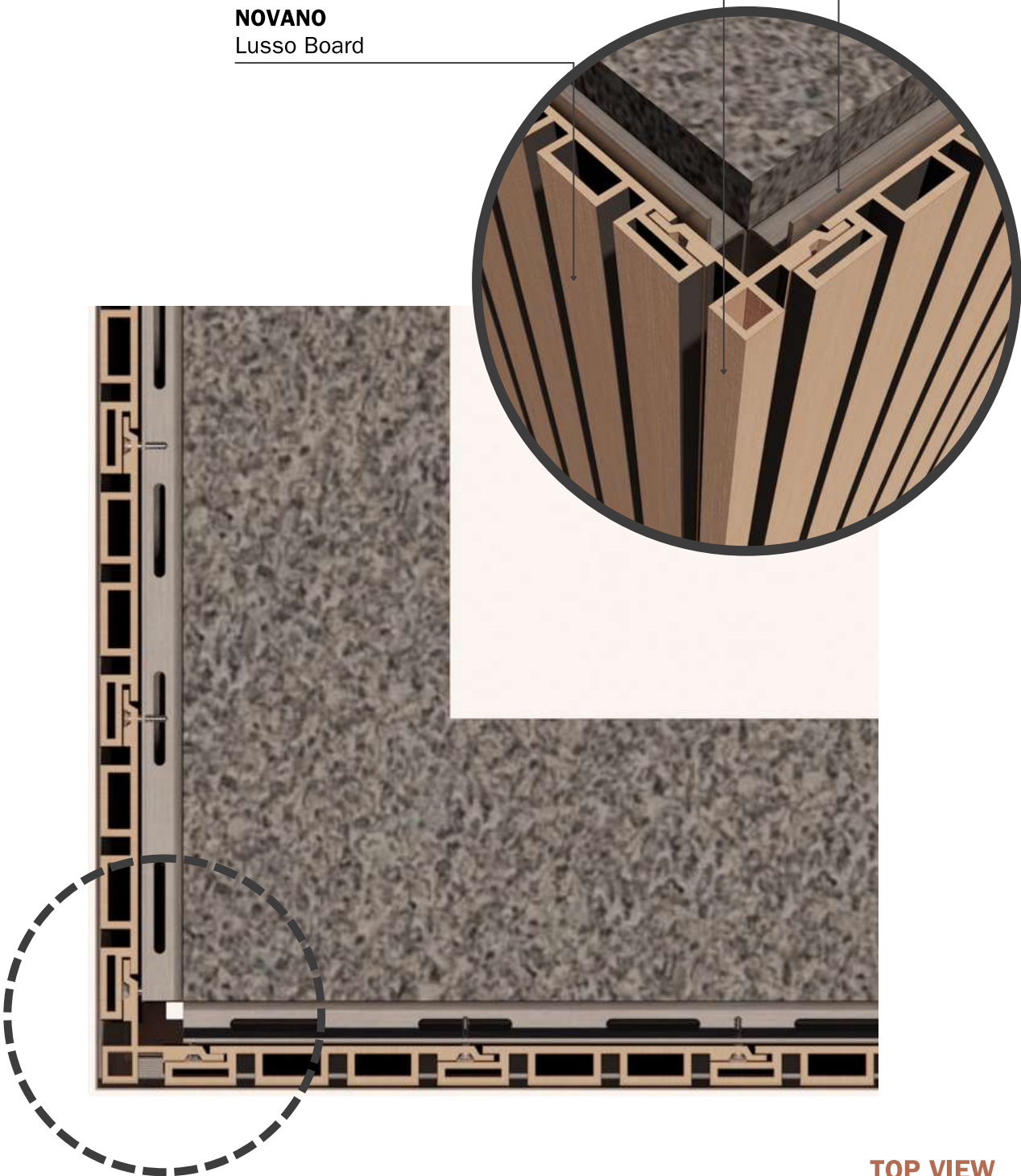
SECTION 4 - FINISHING

VERTICAL OUTSIDE CORNERS

Reverse
HTC3410P
Siding Hat Channel
with punched hole

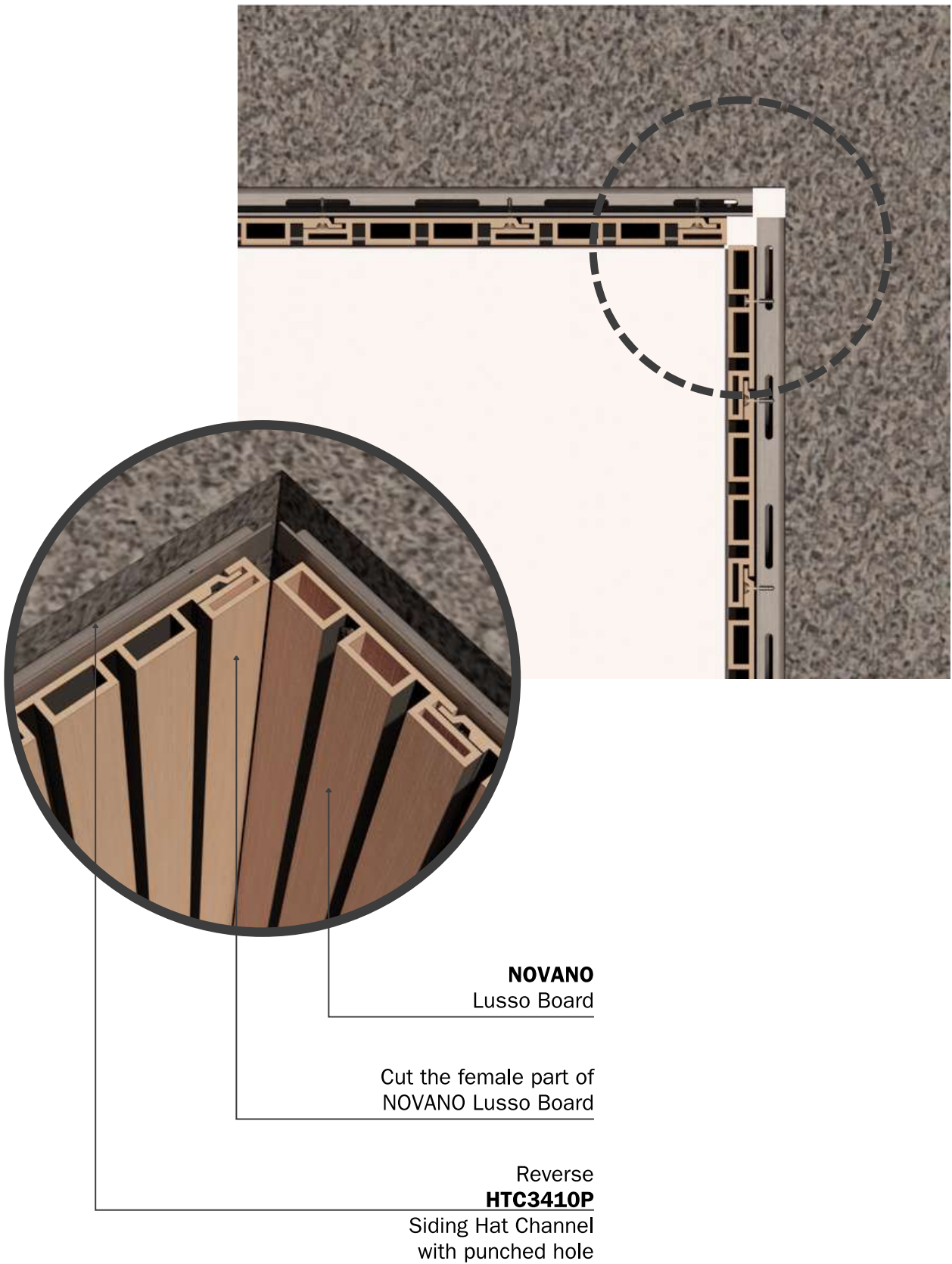
NV-SID-2020-LUBLCRP
Corner Profile

NOVANO
Lusso Board



TOP VIEW
OUTSIDE CORNER
Quik-Trim System

SECTION 4 - FINISHING
VERTICAL INSIDE CORNERS



NOVANO
Lusso Board

Cut the female part of
NOVANO Lusso Board

Reverse
HTC3410P
Siding Hat Channel
with punched hole

TOP VIEW
INSIDE CORNER
Quik-Trim System

III. GENERAL ADVICE

SECTION 1 - EXPANSION JOINTS

Expansion Joint caters for temperature- dependent linear expansion of $\frac{1}{16}$ " gap per board every 10 degrees in temperature change between the ends of the planks.

e.g. 9 $\frac{1}{2}$ ' plank= approx. $\frac{1}{8}$ " distance.

If the planks are installed closed to a wall the distance here should be $\frac{1}{2}$ ".

(Refer to expansion chart).

EXPANSION JOINT			
Surface Temperature	Gap (9 $\frac{1}{2}$ ft board)	Gap (12 ft board)	Ending
15 °C - 30 °C	$\frac{1}{8}$ "	$\frac{3}{16}$ "	$\frac{1}{2}$ "
30 °C - 40 °C	$\frac{1}{16}$ "	$\frac{1}{8}$ "	$\frac{1}{2}$ "
40 °C - 60 °C	$\frac{1}{16}$ "	$\frac{1}{16}$ "	$\frac{1}{2}$ "
60 °C - 70 °C	None	None	$\frac{3}{16}$ "

Table 1.2 Expansion Joint

1.1 The Dimensional change of NOVANO is solely dependent on the thermal expansion.

Air, humidity, and water have no influence on dimensional change.

Thermal expansion must be considered at installation.

1.2 Cutting to length should be carried out at consistent material temperature.

Therefore, the materials 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.

1.3 NOVANO has a high vapor diffusion resistance. Please consider installation.

1.4 NOVANO has a class A fire rating (ASTM-E84).

1.5 Cut-off pieces and/or abrasive dust have to be disposed of separately. Please comply with the regulations of your competent waste management.

You may under no circumstances burn NOVANO yourself.

III. GENERAL ADVICE

SECTION 2 - GENERAL NOTES

- 2.1 NOVANO Building Products is not responsible for the information shown on all details beyond the specification scope of work BID/quoted and as indicated in contract documents.
- 2.2 Details of adjustment work are shown for completeness only. The project Architect / Project Engineer / Erecting Contractor supplying and/or installing the structural support is responsible for its design/installation to accommodate all loads imposed upon the products.
- 2.3 Our Engineer is limited to the load-carrying components of the siding system and its fasteners shown on the subsequent drawings. The components are supplied by other parties.
- 2.4 These drawings are the copyright property of NOVANO Building Products, Inc.
- 2.5 Please read our installation and design recommendation documents for further information that may be important for your specific project or installation.
- 2.6 Ensure a steady material temperature when cutting the boards to size. The cutting has to be done under constant conditions. e.g. inside or in the shade.
- 2.7 Always consider the linear expansion of NOVANO, which is dependent on the temperature but not air humidity. See *Table 1.1* for more information.
- 2.8 Minimum runner/batten spacing for the 8" siding system.
- 2.9 Slots should be used to attach siding to runners/battens.
- 2.10 Overhang siding boards to a maximum of 1".
- 2.11 Only use construction fastening material and hardware suitable for outdoor use (e.g. Stainless Steel Screws).

IV. 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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