BUILDING PRODUCTS resysta

INSTALLATION GUIDE

RESYSTA CLADDING HF-CLIP & QUIK-TRIM SYSTEM

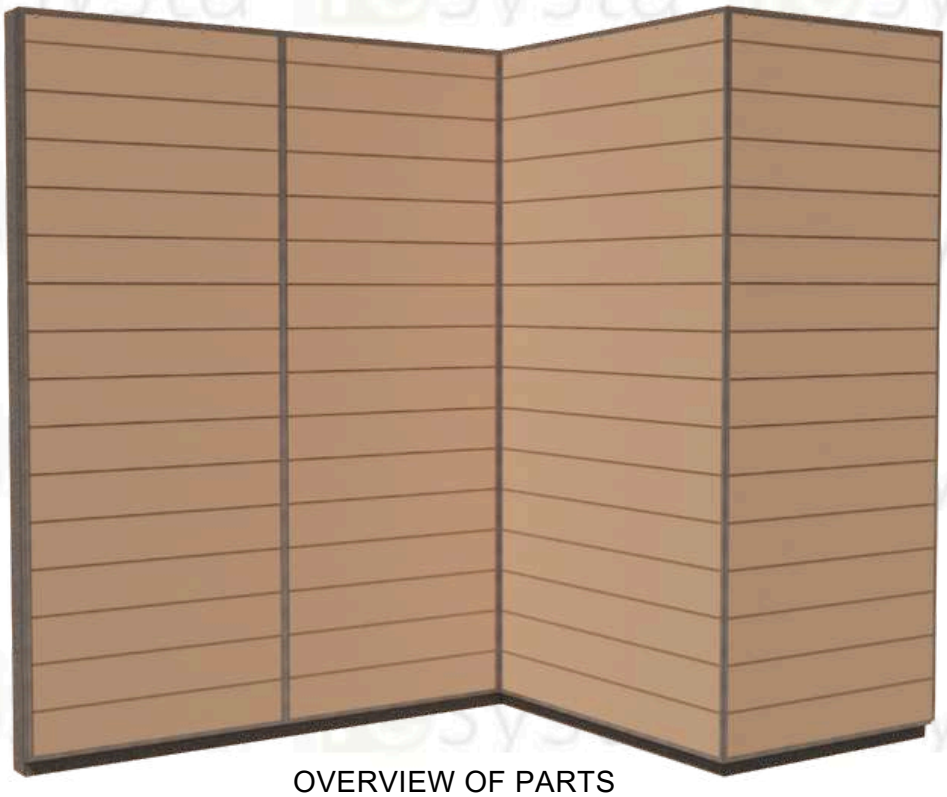
I. INTRODUCTION

Resysta is an extremely durable, timber look-alike, material. It is resistant to damage from the sun, rain, frost and even salt water. Unlike wood, it requires minimal maintenance and is highly resistant to pests, mold and cracks. Unlike other composite materials, it closely resembles the look and feel of natural wood, with a smooth surface finish. Resysta meets most of the future environmentally sustainable material requirements concerning recycled and fully recyclable materials. Resysta is used for its architectural aesthetic, and not for structural support.

SECTION 1 - Material Components

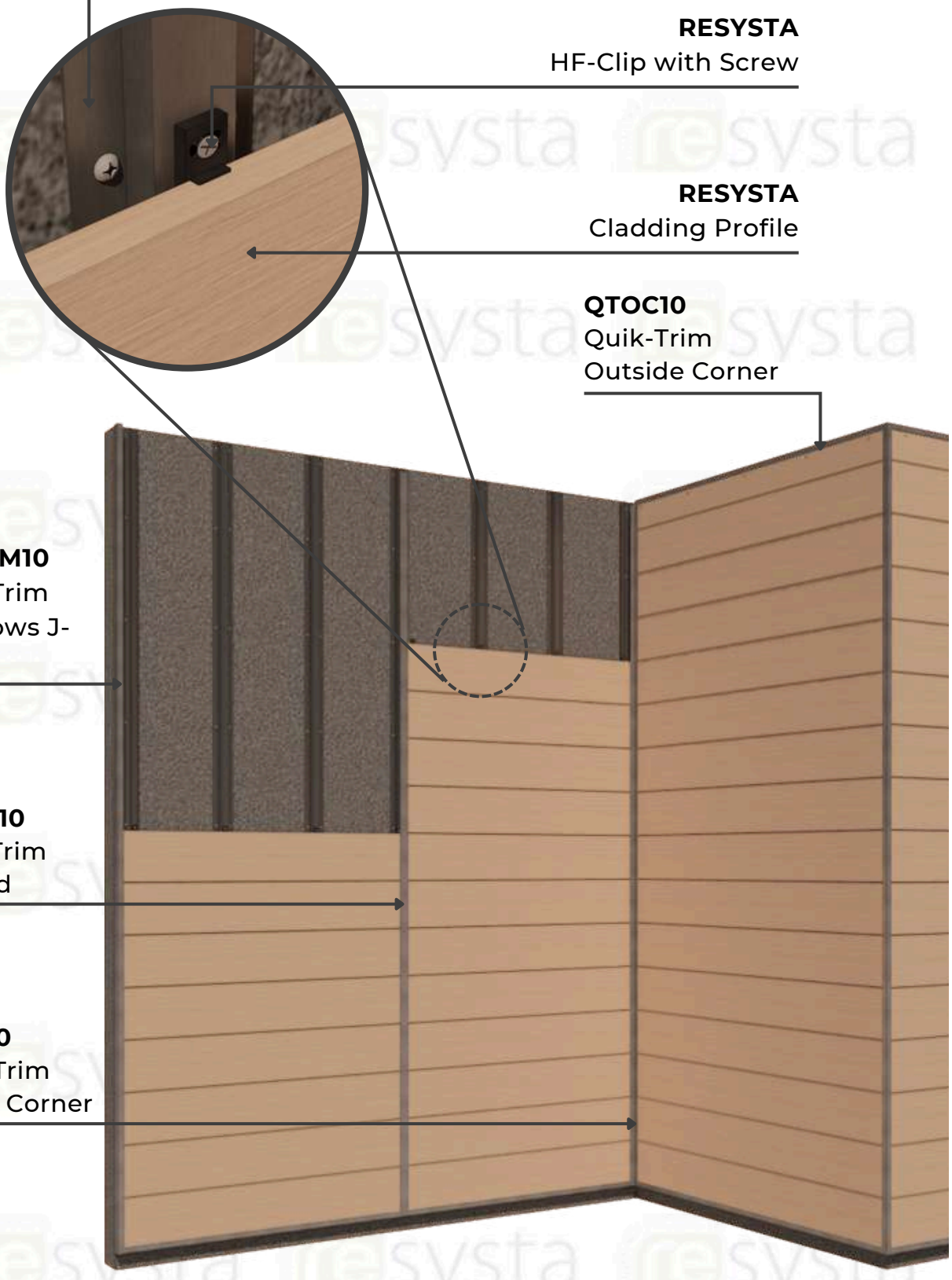
A combination of these three basic raw materials makes up the simple components that create Resysta. This innovative material offers designers and architects new creative horizons to utilize its compelling and unique appearance.

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



OVERVIEW OF PARTS

SECTION 2 - Basics



ISOMETRIC VIEW

Basic Parts of Cladding Board Quik-Trim System

SECTION 3 - Scope of Delivery

NO.	PRODUCT NAME AND SPECIFICATION	ISOMETRIC VIEW	SECTION VIEW
1	**RESP340812** 13/16" x 7 7/8" Cladding (7Ch)		
2	**RESP340612** 13/16" x 5 1/2" Cladding (4Ch)		
3	**RESP1231212** 5/8" x 3 1/2" Cladding (3Ch)		
4	**RESP3423412** 13/16" x 2 3/4" Cladding (2Ch)		
5	**RESP1223412** 5/8" x 2 3/4" Cladding (2Ch)		
6	**RESFHTC10BA** ½" X 1 ½" Façade Hat Channel Black Anodized		
7	**MFTH-625** Starter Z-Clip		

Scope of Delivery

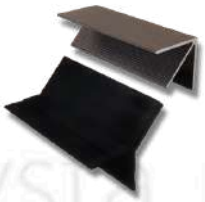
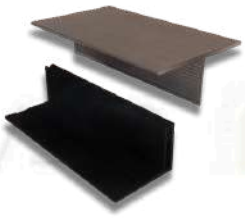
NO.	PRODUCT NAME AND SPECIFICATION	ISOMETRIC VIEW	SECTION VIEW
8	**QTWJM10** 1" x 1-37/64"J Quik-Trim Windows J-Mold with Quik-Trim PVC Base		
9	**QTOC10** 1" x 1" Quik-Trim Outside Corner with Outside Corner Quik-Trim PVC Base		
10	**QTIC10** 1-37/64" x 1-37/64" Quik-Trim Inside Corner with Quik-Trim PVC Base		
11	**QTHM10** 1-37/64" Quik-Trim H-Mold with Quik-Trim PVC Base		
12	**QTJM10** 1" x 25/32" Quik-Trim J-Mold with Quik-Trim PVC Base		
13	**RESCLIPHF100W** - Wood **RESCLIPHF100A** - Aluminum Facade HF Clip		
14	**RESCLIPHFL100** Facade HF Long Clip		

Table 1.1 "Scope of Delivery"

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

Proper Application of HF Clip in the Cladding Profile

RESCLIPHF100W - Wood **RESCLIPHF100A -** Aluminum Facade HF Clip 	**RESCLIPHFL100** Facade HF Long Clip 
Facade HF CLIP (2CH & 7CH)	**Facade HF LONG CLIP (3CH & 4CH)**
RESP340812 13/16" x 7 7/8" Cladding (7Ch)  **RESP3423412** 13/16" x 2 3/4" Cladding (2Ch)  **RESP1223412** 5/8" x 2 3/4" Cladding (2Ch) 	**RESP340612** 13/16" x 5 1/2" Cladding (4Ch)  **RESP1231212** 5/8" x 3 1/2" Cladding (3Ch) 

IMPORTANT:

Major Bullet Points You Must Follow to Meet Resysta Warranty Guidelines.

- 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
- Maximum distance of 1" from the center of the HF-clip to the end of the board

Note: Proper planning of the wall cladding layout is essential for ease of installation of wall cladding boards and wall cladding components. Thoroughly read the following wall cladding 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 wall cladding finishing detail is uniform for all sides of the building. Installation is the sole responsibility of the installer. Resysta 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 an absolute representation by Resysta.

Packed finished material must be kept dry.

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

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

This condition only applies to packed material. Finished Resysta 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. Wall cladding will follow the contour of the wall.
2. Resysta wall cladding is not a rain screen or water proof system. Resysta wall cladding is a water shed system.
3. Proper wall preparation according to local building codes and wall covering manufacture'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).
6. Always consider the linear expansion of Resysta, which is dependent on the temperature but not the air humidity. See Table 1.3 "Resysta 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 Resysta material.
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 Resysta 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 Resysta Cladding Installation, the 3" Gap at the bottom part of Cladding System acts as the cool exterior air INLET while the 1/2" Gap on top acts as the warm interior air OUTLET. The air gap between wall surface and cladding boards resultant from the battens sub frames height allows passage air flow for cross ventilation through the CLADDING QUIK TRIM INSTALLATION SYSTEM.

CROSS VENTILATION
Cladding Quik-Trim System

Code Compliant Batten Spacing

Part Number	Part Description	Batten Span (in)	Minimum Steel Gage Size
RESP3423412	Wall Cladding (2 Channel) 13/16” x 2 3/4” (20mm x 70mm)	16''	20
RESP1223412	Wall Cladding (2 Channel) 5/8” x 2 ¾” (15mm x 70mm)	16''	20
RESP1231212	Wall Cladding (3 Channel) 5/8” x 3 ½” (15mm x 90mm)	16''	15
RESP340612	Wall Cladding (4 Channel) 13/16” x 5 1/2” (20mm x 140mm)	16''	20
RESP340812	Wall Cladding (7 Channel) 13/16” x 7 1/2” (20mm x 140mm)	16''	20

Table 1.2 "Batten Spacing Requirements"

Recommendation for Batten Spacing

– If the wall cladding is being installed in a hot southern location and will be exposed to direct sunlight for the majority of each day and/or the wall cladding will be stained a dark color, the batten spacing is suggested to be reduced to 8” or 12” center-to-center for all wall cladding profiles.

Expansion / Contraction of Wall Cladding

Resysta Expansion – Contraction Guide	
Profile Length	12 ft
Expansion / Contraction amount (approx.. 0.3% over 90°F variation in temperature)	7/16” (0.432”)

Table 1.3 “Expansion – Contraction”
Average expected expansion–contraction (this can vary based on the geographical region).

Resysta Wall Cladding Board Gap Guide					
	Trim Gap of Wall Cladding Boards				H-Channel Gap
Temperature at Installation	Below 30° F	60°F	90°F	120°F	
Amount for Cladding Profile Length of 12 ft.	7/16''	5/16''	3/16''	0''	1/4''

Table 1.4 "Resysta 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 linear expansion of Resysta profiles during the installation of cladding 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.

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 Resysta boards to expand so if the material is stored in the shade keep the “Control Piece” in the shade as well.

Example:

If 12ft boards are being installed put aside one 12ft 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

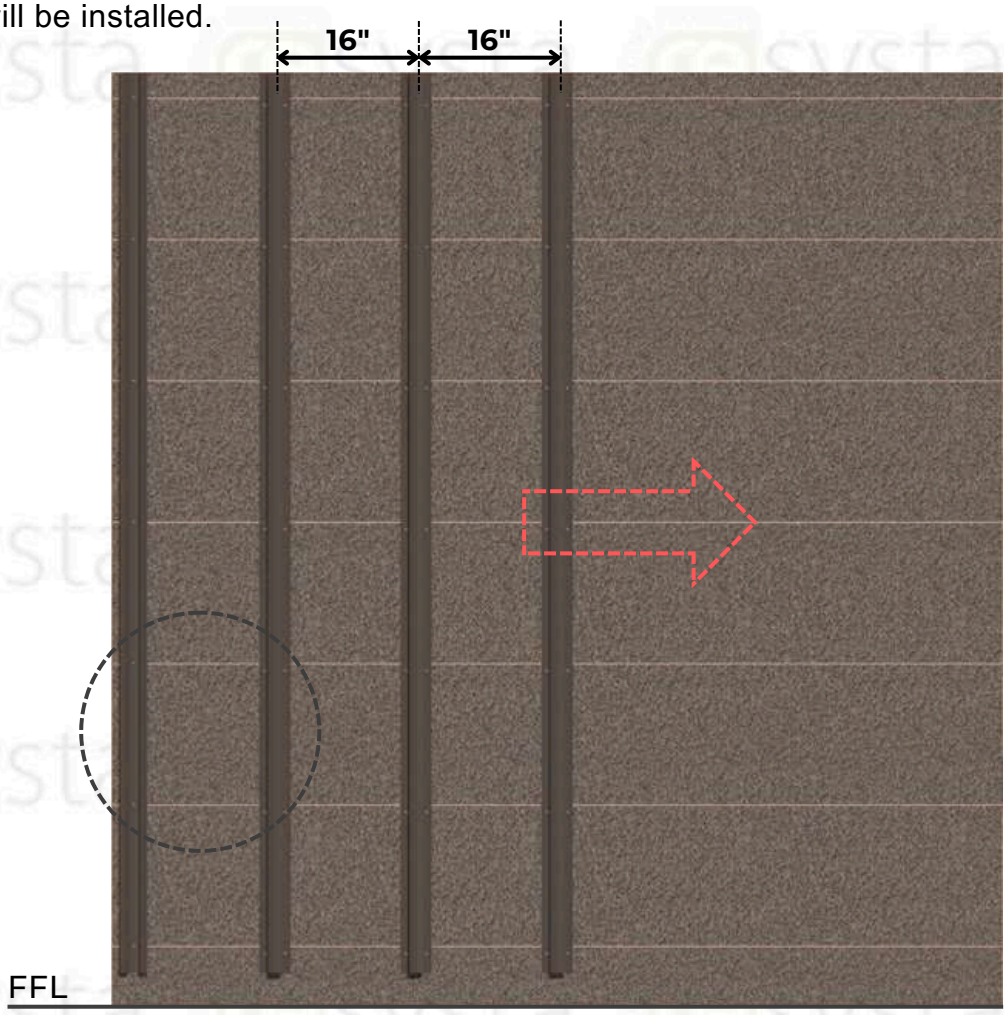
at the start of the installation place the board gap according to Table 1.4 and mark the first gap made. This gap will be a “Control Gap” to reference when gapping the remaining boards to be installed. Throughout the installation reference back to this “Control Gap” to match the other gaps being installed.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

II. INSTALLATION - PROCEDURE

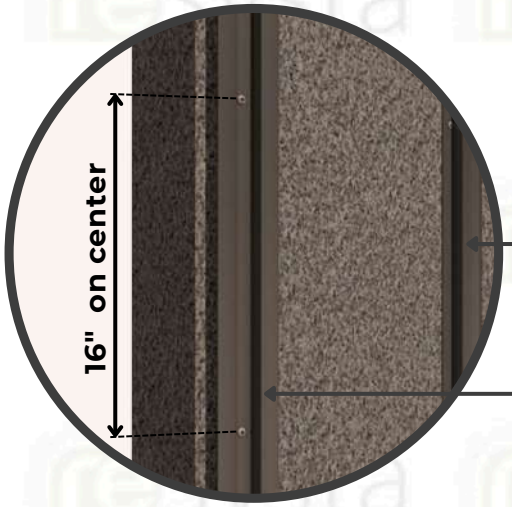
SECTION 1 - Batten Substructure

General Notes on Batten Substructure

Resysta wall cladding boards can be installed in horizontal or vertical applications and the batten substructure should be planned to accommodate how the wall cladding boards will be installed.



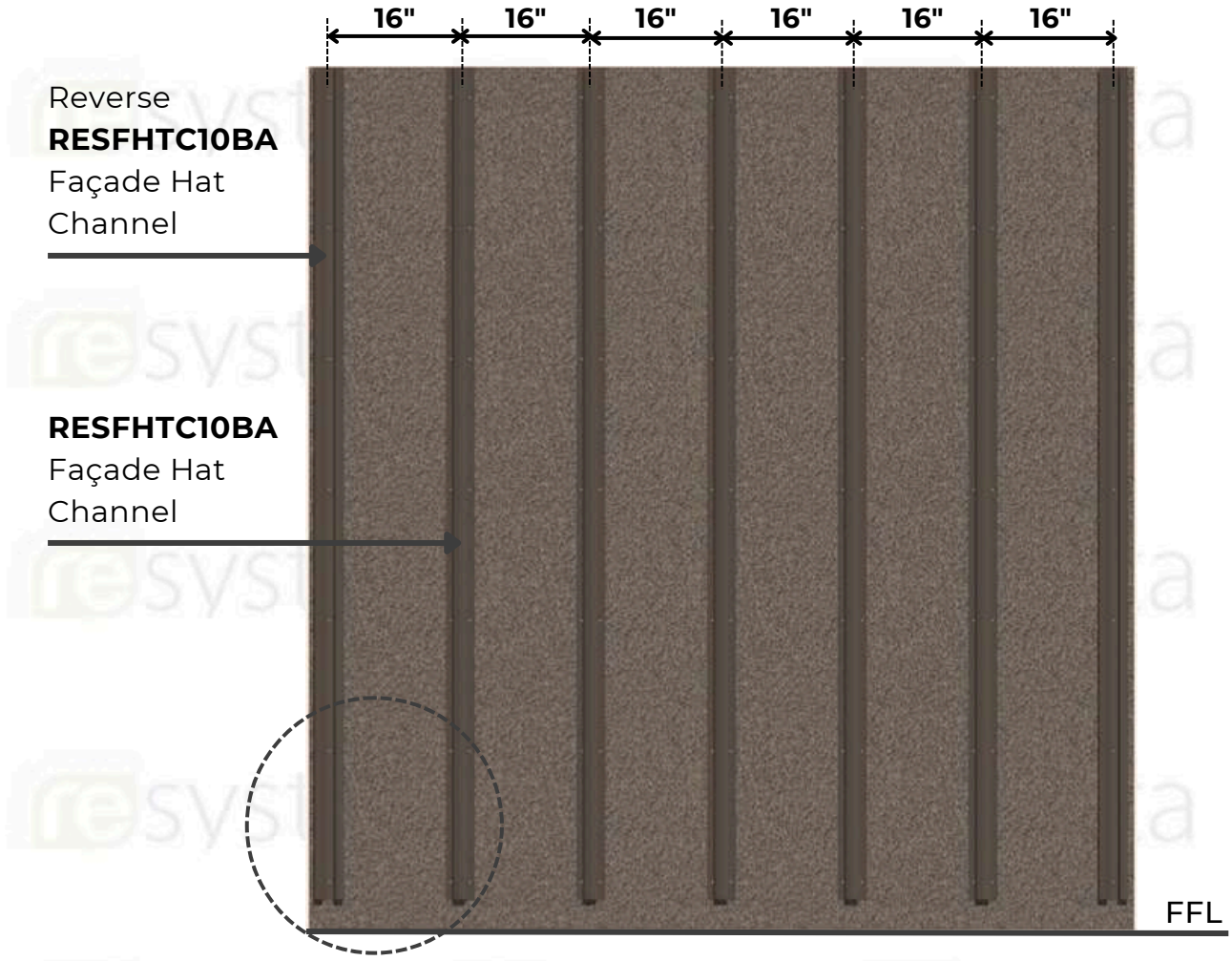
FRONT ELEVATION
Quik-Trim System



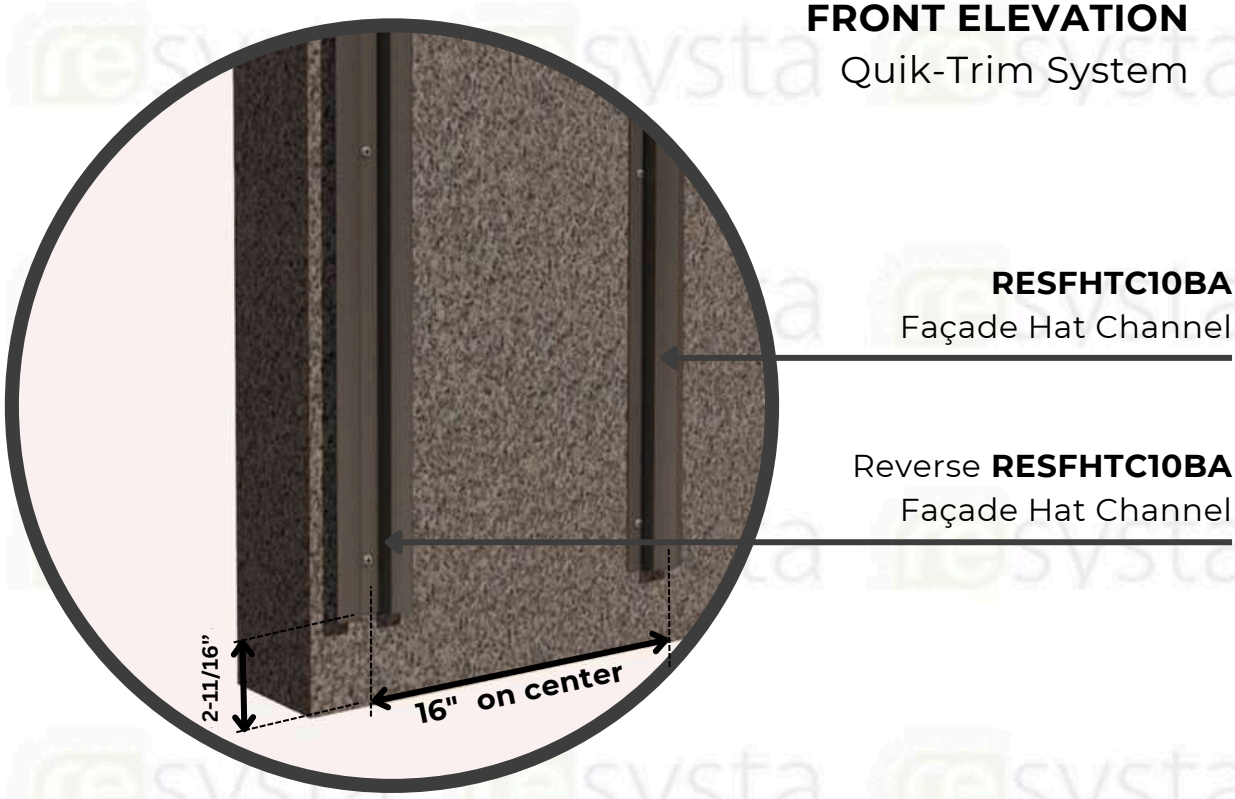
RESFHTC10BA
Façade Hat Channel

Reverse **RESFHTC10BA**
Façade Hat Channel

DETAIL
Quik-Trim System

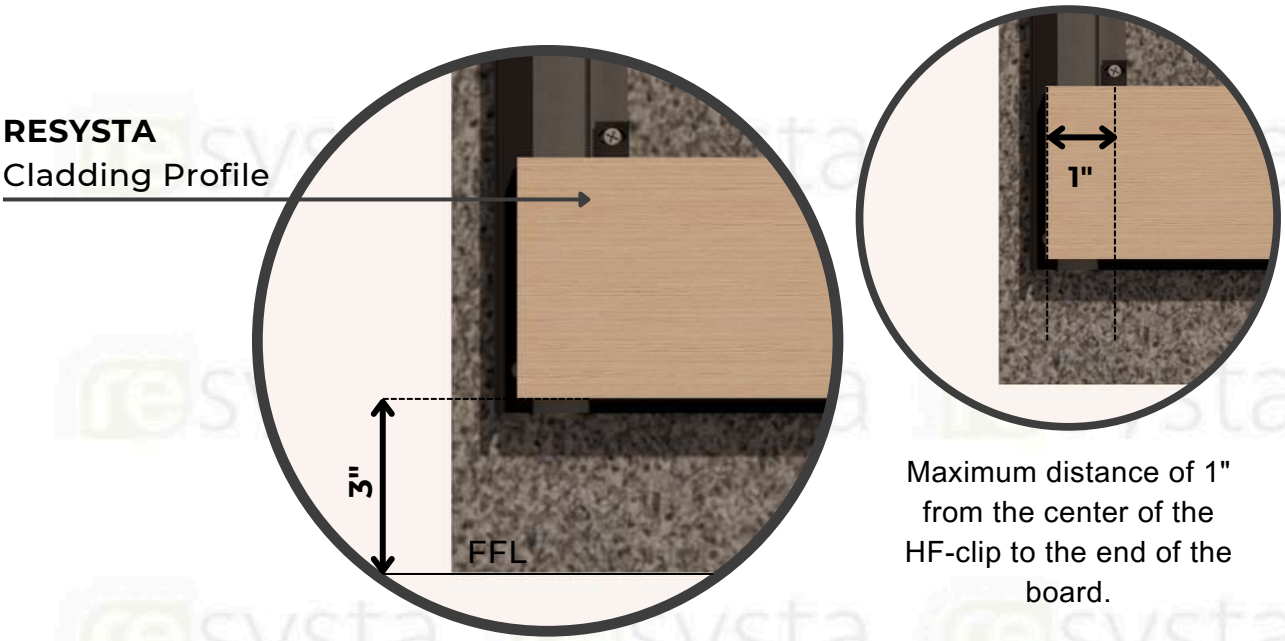


FRONT ELEVATION
Quik-Trim System



DETAIL
Quik-Trim System

Resysta wall cladding boards require a minimum of 3” from the ground to the start of the wall cladding board in both horizontal and vertical installations. Plan the batten substructure and wall assembly accordingly to accommodate wall cladding installation while adhering to local building code requirements.



Maximum distance of 1" from the center of the HF-clip to the end of the board.

DETAIL
BATTEN DETAIL

Wooden 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 wall cladding boards will be used end-to-end, a minimum of two battens must be used to accommodate the fastening of the wall cladding boards and any trim pieces desired to the batten substructure where the boards meet. Before installing the Resysta wall cladding boards, ensure that the batten installation provides a minimum ½“ air gap behind the wall cladding boards and there is sufficient support for all wall cladding boards and trim accessories. This is often achieved through the installation of battens with a minimum thickness of ½“.

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 Resysta wall cladding board, trim components, and any other accessories attached to the battens. Resysta wall cladding boards must be attached to wood battens with Clips and #8 x 1-1/4” stainless steel fasteners taking care to not penetrate the weather barrier. If the weather barrier is going to be penetrated reference the weather barrier manufacturer’s recommendations.

Metal 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 wall cladding boards will be used end-to-end, a minimum of two battens must be used to accommodate the fastening of the wall cladding boards and any trim pieces desired to the batten substructure where the boards meet. Before installing the Resysta wall cladding boards, ensure that the batten installation provides a minimum ½“ air gap behind the wall cladding boards and there is sufficient support for all wall cladding boards and trim accessories. This is often achieved through the installation of battens with a minimum thickness of ½“.

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 Resysta wall cladding board, trim components, and any other accessories attached to the battens. Resysta wall cladding boards must be attached to wood battens with Clips and #8 x ½” stainless steel fasteners taking care to not penetrate the weather barrier. If the weather barrier is going to be penetrated reference the weather barrier manufacturer’s recommendations.

NOTE:
It is highly recommended to use the Hat Channel (Black) (RESFHTC10BA) for the installation of the Resysta Wall Cladding.

SECTION 2 – Trim and Accessory Options

Aluminum Wall cladding Trim systems made for Resysta wall cladding boards are recommended for covering the ends and gaps of wall cladding boards. Suggested supply includes, but is not limited to: Quik-Trim Outside Corner QTO10, Quik-Trim H-Mold QTHM10, Quik-Trim Windows J-mold QTWJM10 (to cover wall gaps), Hat Channel Black (battens to be used for substructure). Aluminum Wall Cladding Trims are standard aluminum alloy 6063 T5 and have a .050” nominal wall thickness. Aluminum Wall Cladding Trims come in 10’ lengths and shall have a standard Mill Finish for field priming and painting unless otherwise specified.

Aluminum Wall Cladding Trim – General Installation Guidelines

Aluminum Wall Cladding 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 before installation. None of the Wall Cladding Trim should be installed horizontally unless weep holes are drilled at 8” intervals to allow for moisture to escape from behind the face flange.

Aluminum Wall Cladding Trim – Wood Batten Installation Guidelines

Aluminum Wall Cladding Trim must be pre-punched or drilled to receive the #8 x 5/8” wood screw for attaching them to wood furring strips. Trim should be fastened 16” on center for either horizontal or vertical installations. If the batten substructure spacing is reduced for the Wall Cladding boards the trim should be fastened at the same interval as the Wall Cladding. Be aware of fastener placement for the Wall Cladding trims to not hinder the installation of the Resysta Wall Cladding boards.

Depending on the type of wood battens used there is the possibility for the aluminum trim to go through the aluminum electrolysis effect. If this occurs, the aluminum trim could start to deteriorate. This is an extremely rare event that requires the correct conditions. However, if this is a concern it is recommended that a piece of felt be installed between the wood battens and the aluminum trim.

Aluminum Wall Cladding Trim – Metal Batten Installation Guidelines

When using metal battens, either steel or aluminum, it is recommended to use a #8 x 5/8” self-tapping fastener which can be driven through the aluminum wall cladding trim and into the metal batten. Trim should be fastened 16” on center for either horizontal or vertical installations. If the batten substructure spacing is reduced for the wall cladding boards the trim should be fastened at the same interval as the wall cladding. Be aware of fastener placement for the wall cladding trim so as to not hinder the installation of the Resysta wall cladding boards.

SECTION 3 - Horizontal Wall Cladding Application

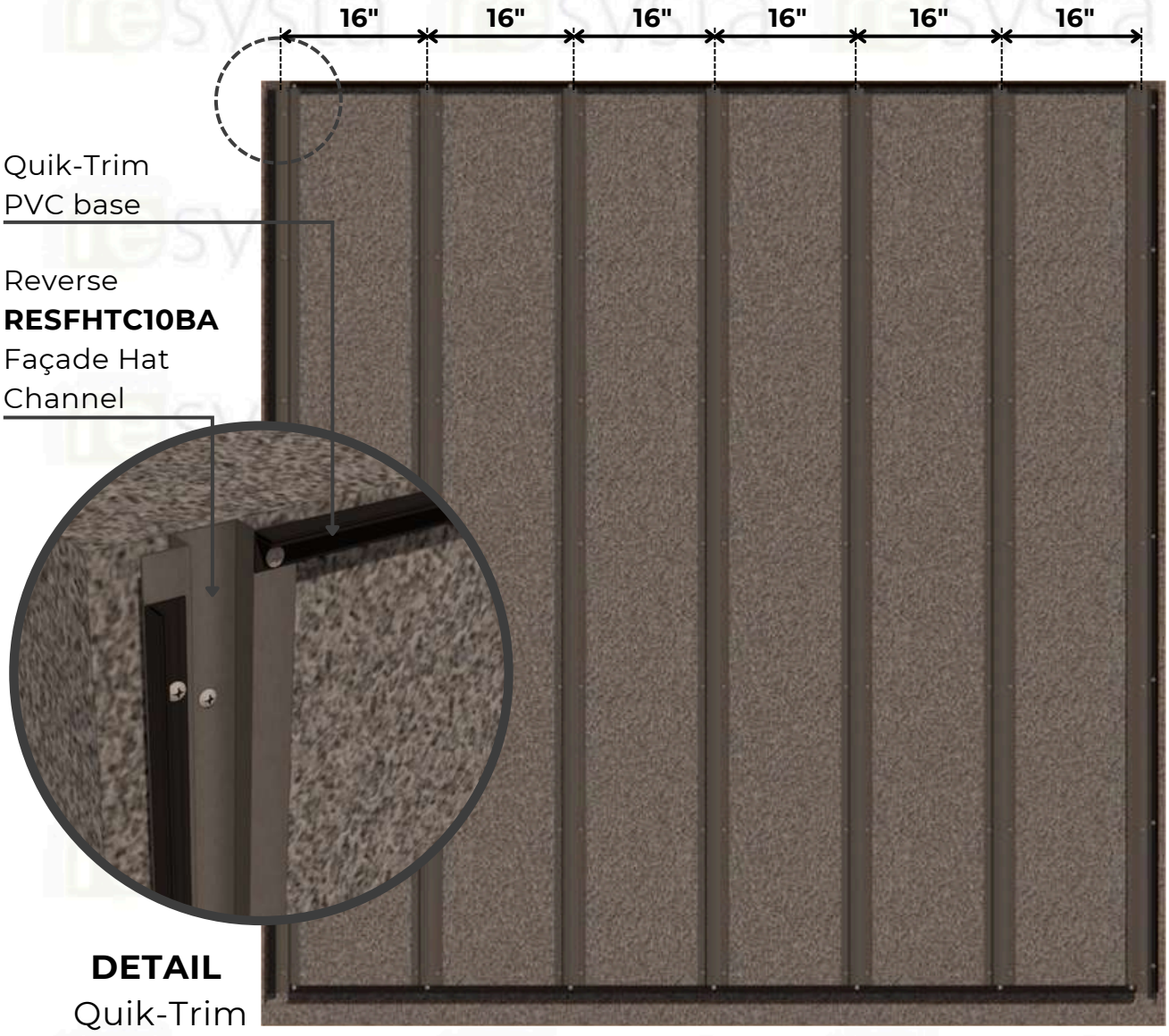
NOTE:

This installation is for the 4 Channel Hollow Wall Cladding profile, but the same rules apply to all the Resysta Wall Cladding boards

STEP 3.1

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

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



DETAIL
Quik-Trim
System

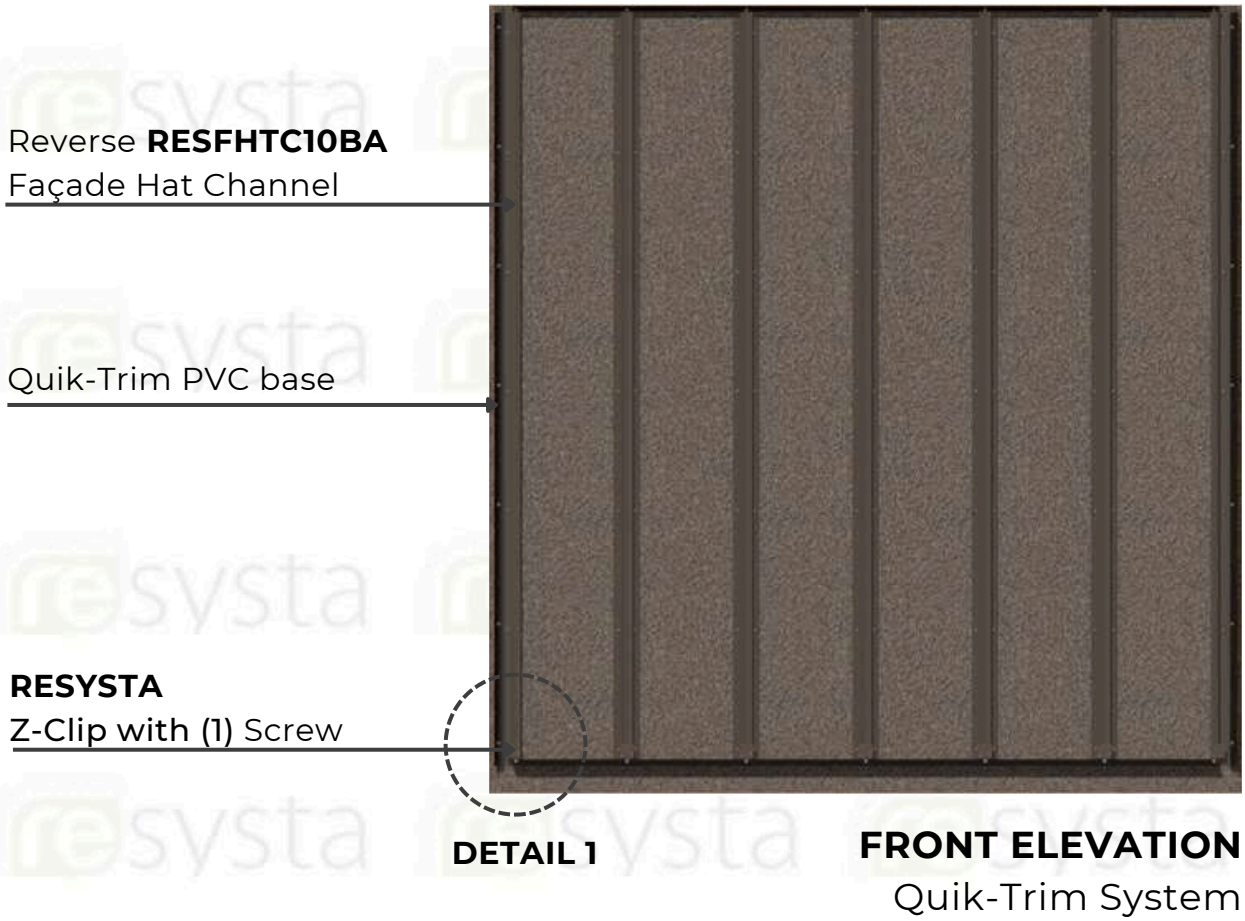
FRONT ELEVATION
Quik-Trim System

STEP 3.2

Install Z-Clip system MFTH-625 on all the Reverse Hat Channels with one (1) sheet metal screw on Detail 1; and on all Hat Channels with two (2) sheet metal screws on Detail 2. Ensure MFTH-625 are levelled.

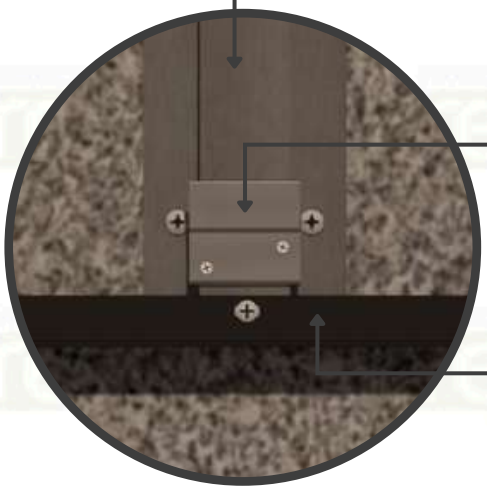
DETAIL 1 - Isometric
Reverse Hat Channel

DETAIL 1 - Elevation
Reverse Hat Channel

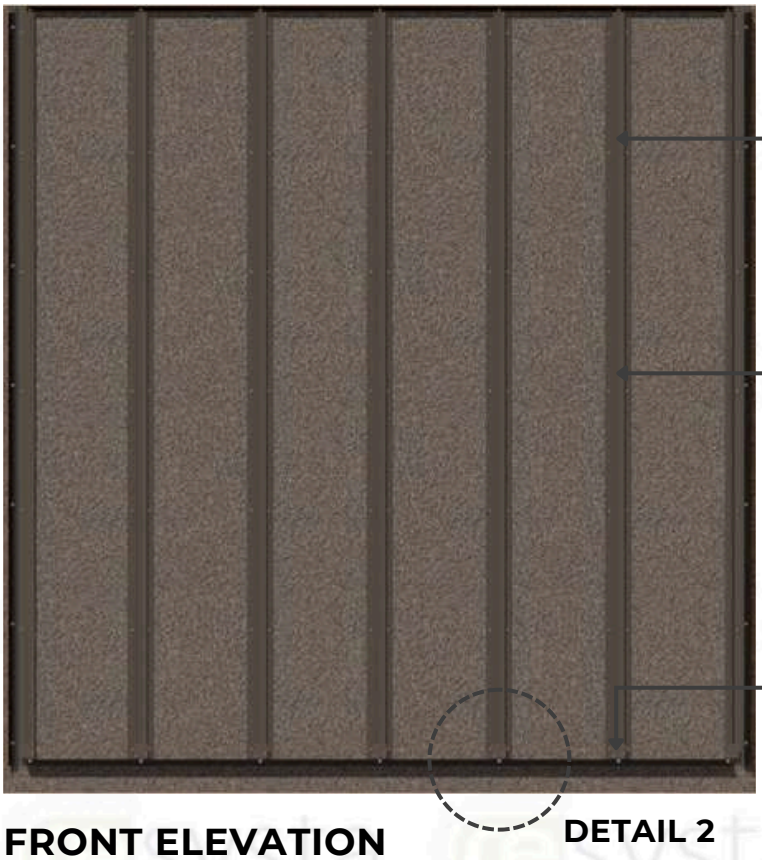


FRONT ELEVATION
Quik-Trim System

DETAIL 2 - Isometric
Hat Channel



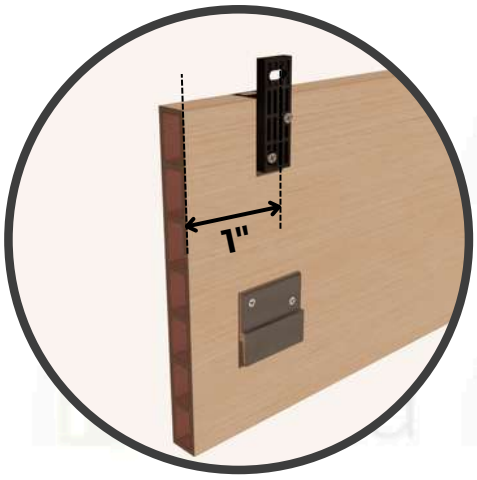
DETAIL 2 - Elevation
Hat Channel



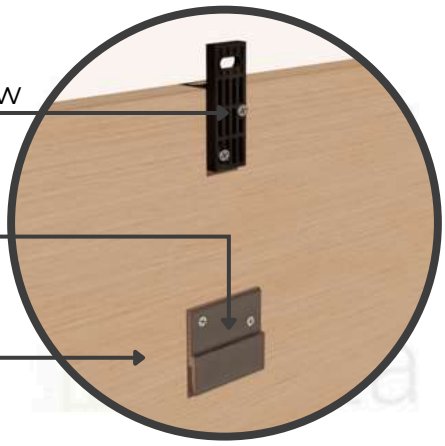
FRONT ELEVATION
Quik-Trim System

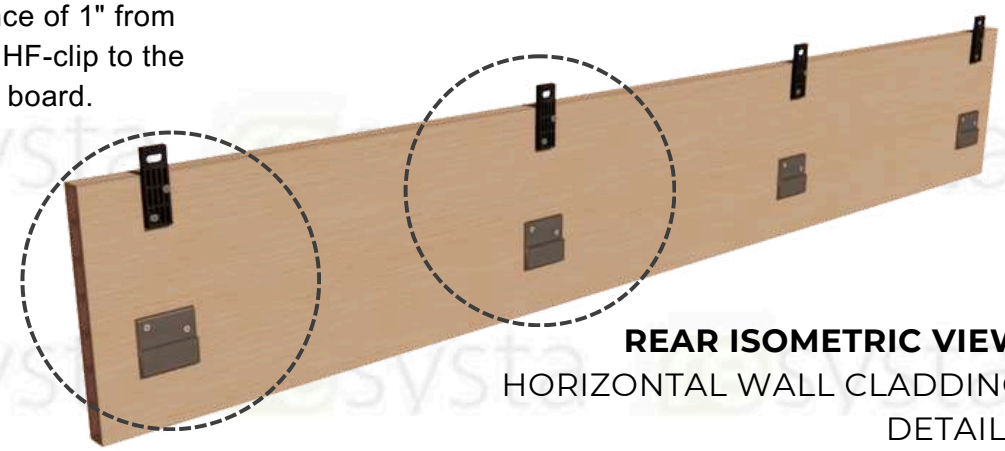
STEP 3.3

For the starter board install cladding boards with pre-installed MFTH and HF clips on the backside, by screwing it on hat channels thru the top HF clip using one (1) #8 x 1/2" tek screw. Provide 3/8" space between the boards and PVC base.

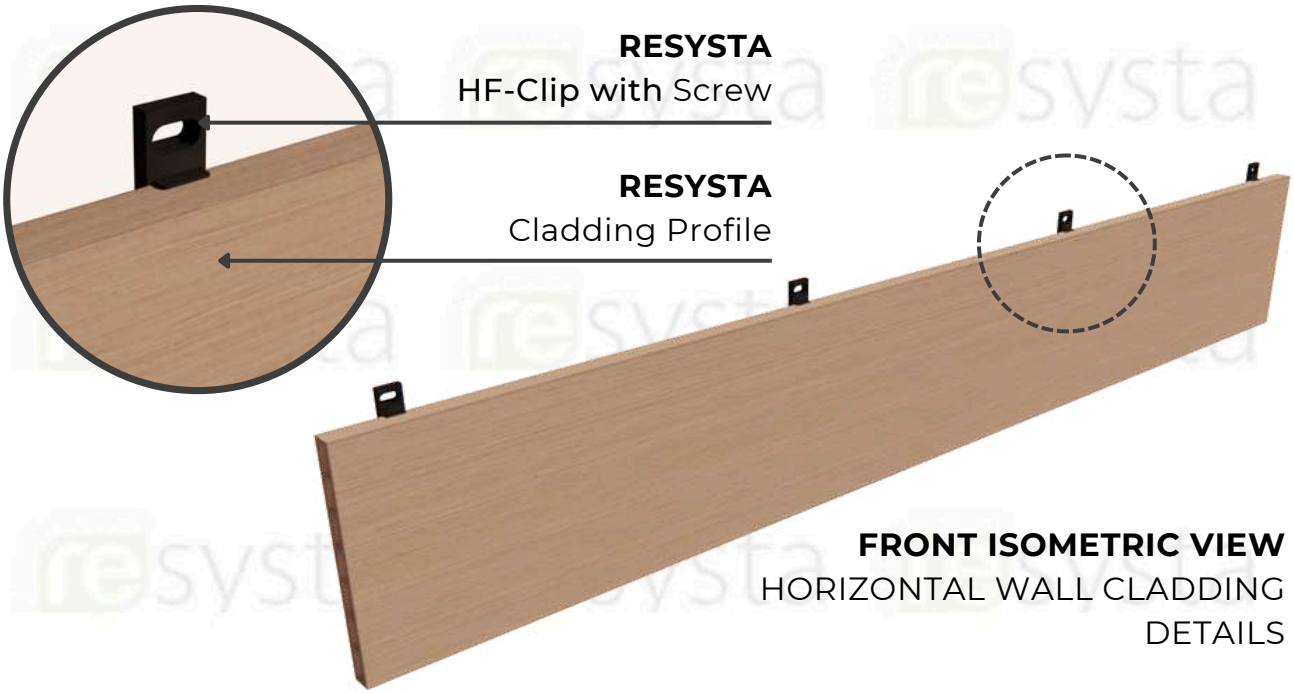


Maximum distance of 1" from the center of the HF-clip to the end of the board.





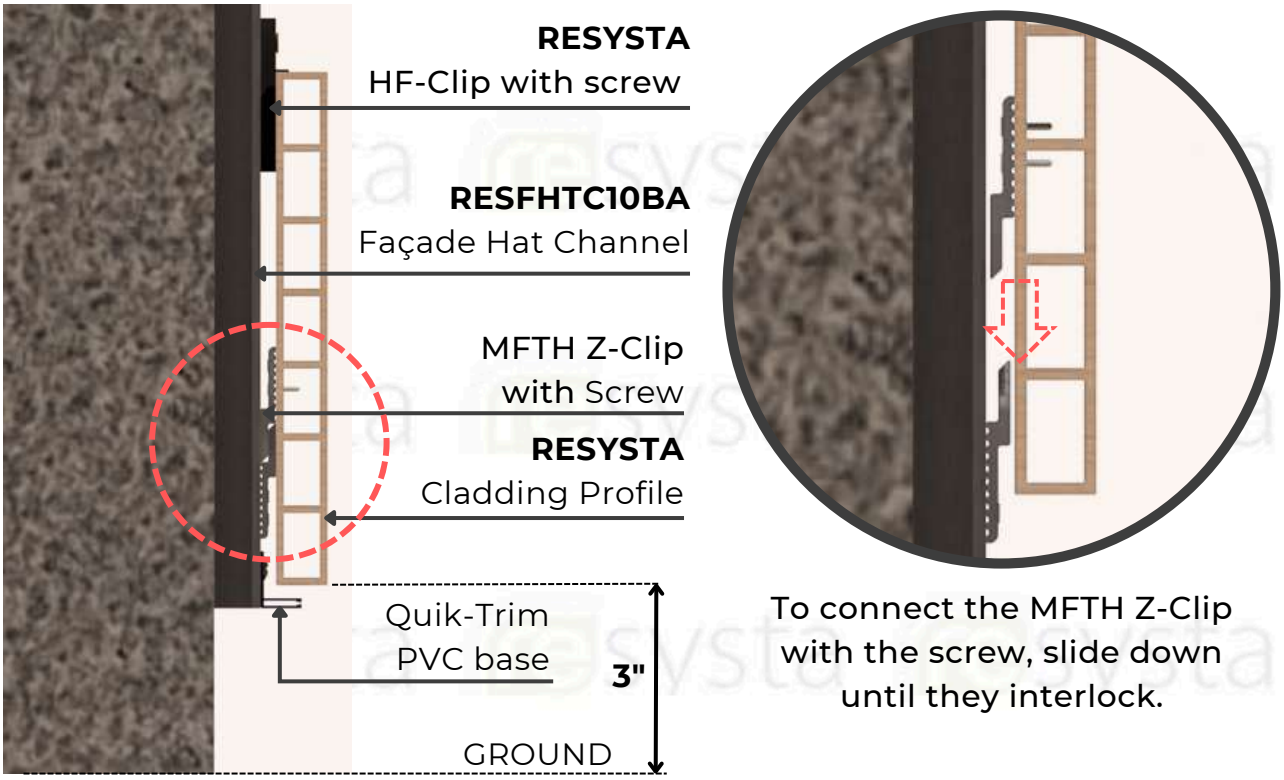
REAR ISOMETRIC VIEW
HORIZONTAL WALL CLADDING DETAILS



FRONT ISOMETRIC VIEW
HORIZONTAL WALL CLADDING DETAILS

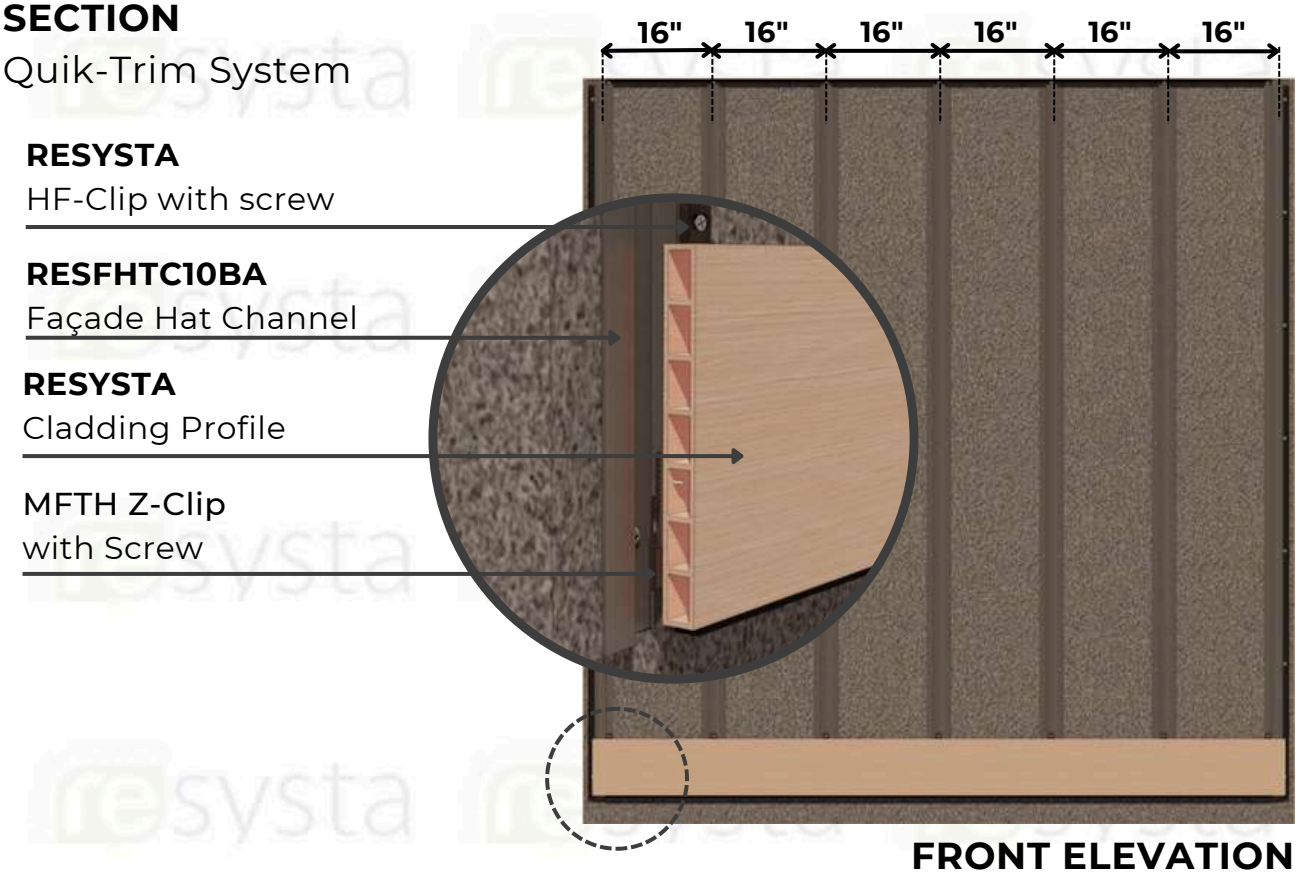
STEP 3.4

Slide in place, MFTH-625 on the board shall rest on the MFTH-625 on the Hat Channels. Then fis cladding board by screwing through the exposed HF clip on the top side to the hat channels using 1-#8 x 1/2" TEK screw.



To connect the MFTH Z-Clip with the screw, slide down until they interlock.

SECTION
Quik-Trim System

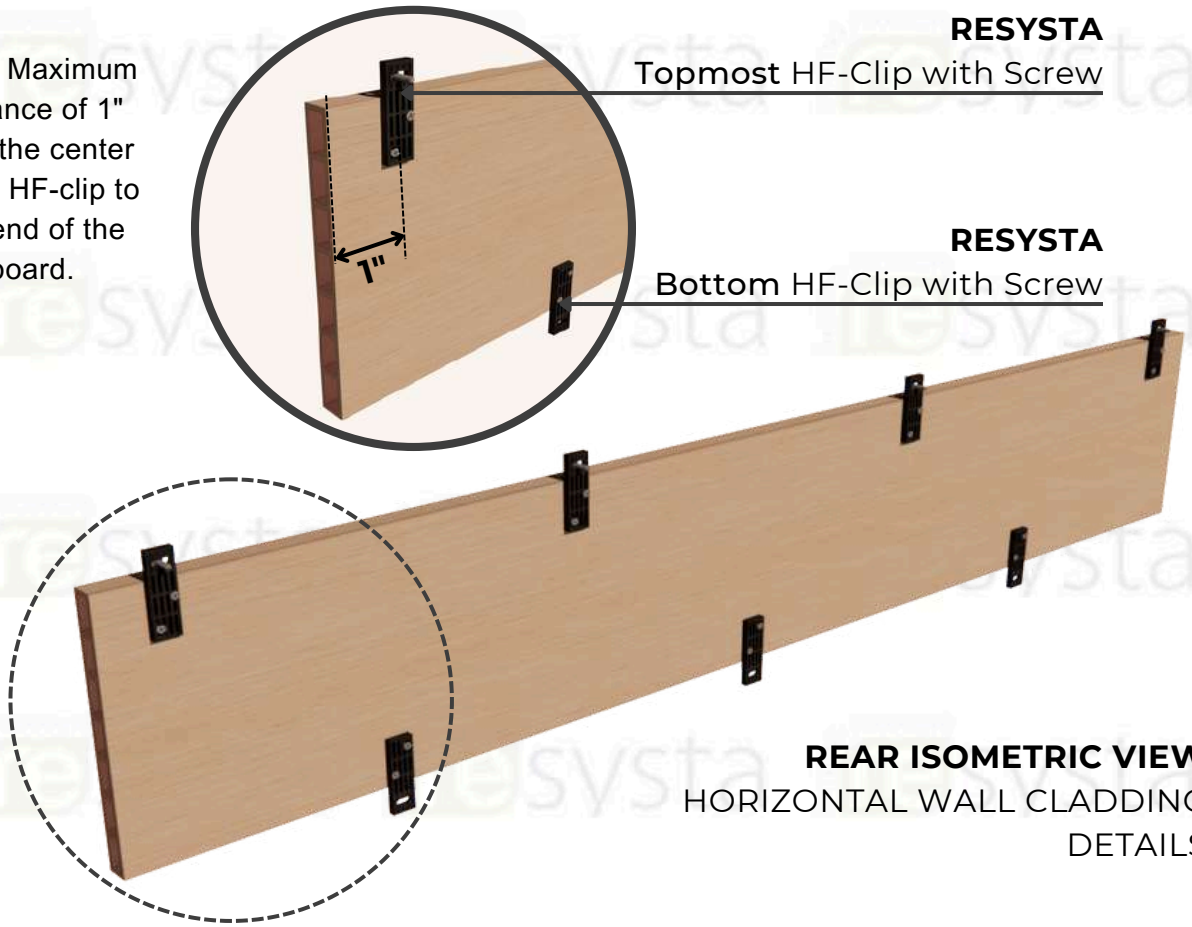


FRONT ELEVATION
Quik-Trim System

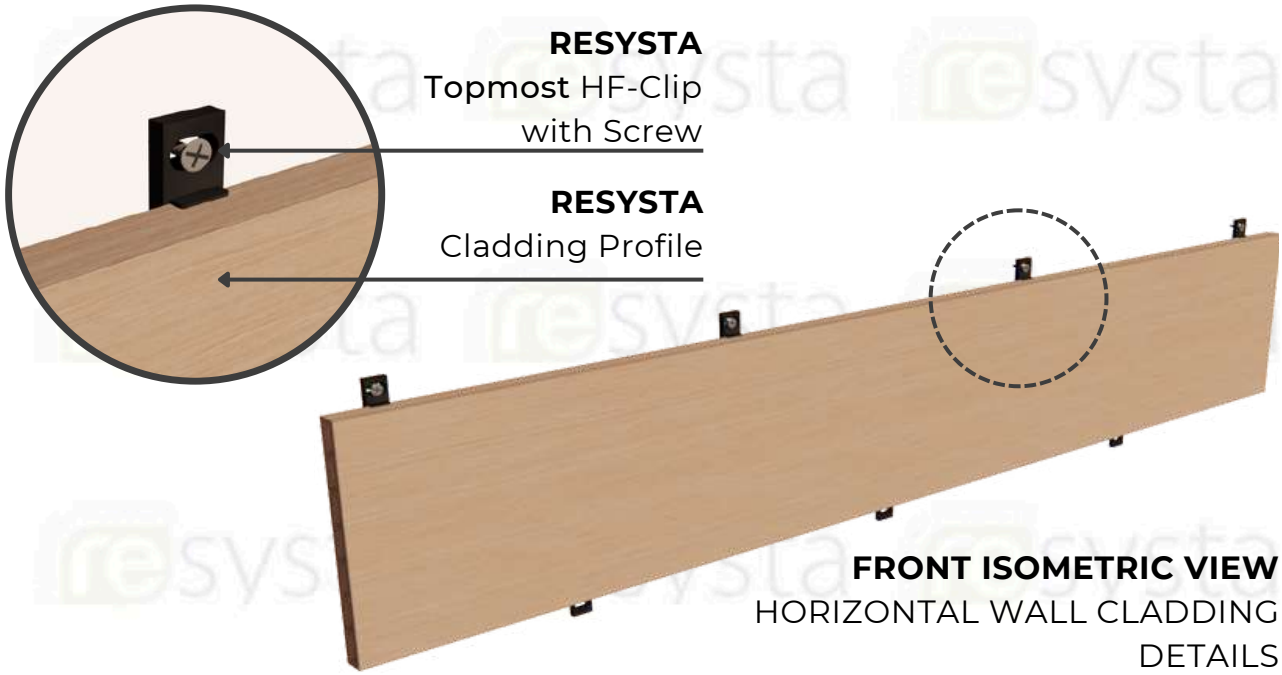
STEP 3.5

Second layer board, measure width for board installation. Prodive 3/8" gaps on where PVC bases are installed. Mark the backside of boards where the position of installed hat channels are. On the Topmost part of the board, install HF clip using 2-#8x1/2" SM screw aligned to the hat channel markings. On the bottom part of the board, install HF clip using 2-#8x1/2" SM screw. Locate the Bottom HF clip anywhere in between hat channel markings. (AVOID the hat channels for Bottom HF clip locations.

Note: Maximum distance of 1" from the center of the HF-clip to the end of the board.



REAR ISOMETRIC VIEW
HORIZONTAL WALL CLADDING DETAILS



FRONT ISOMETRIC VIEW
HORIZONTAL WALL CLADDING DETAILS

STEP 3.6

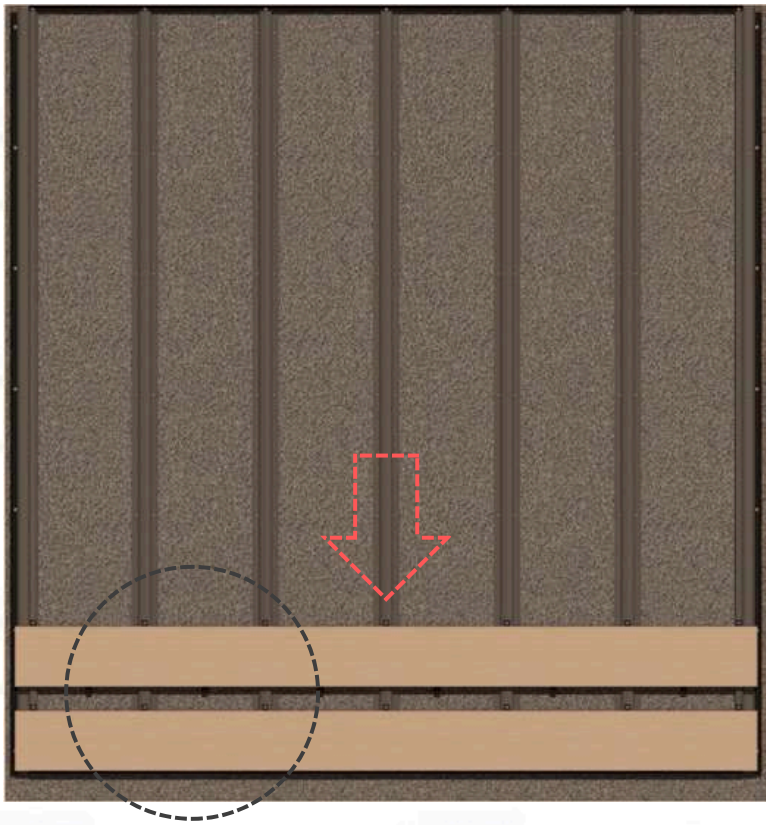
Slide in place, HF clip fin on the bottom part of the board shall rest on the top of the first layer board. Fix cladding boar by screwing through the exposed HF clips on the top side to the hat channels using 1 #8 x ½" TEK screws.

Screw the top HF clip on the Hat Channel

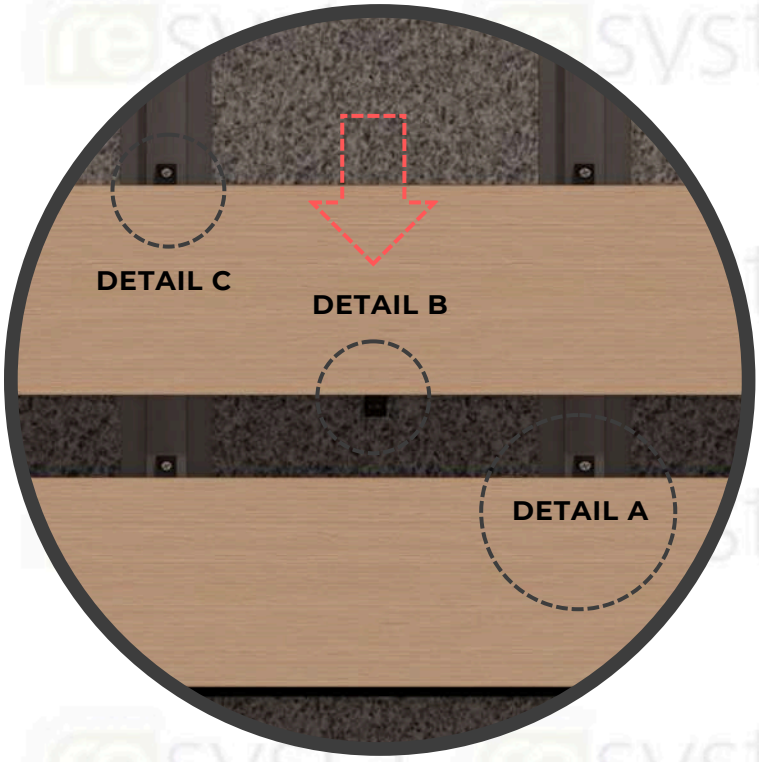
DETAIL C

No screw on the bottom HF clip

DETAIL B



FRONT ELEVATION
Quik-Trim System



DETAIL ELEVATION
Quik-Trim System

Screw the top HF clip on the Hat Channel

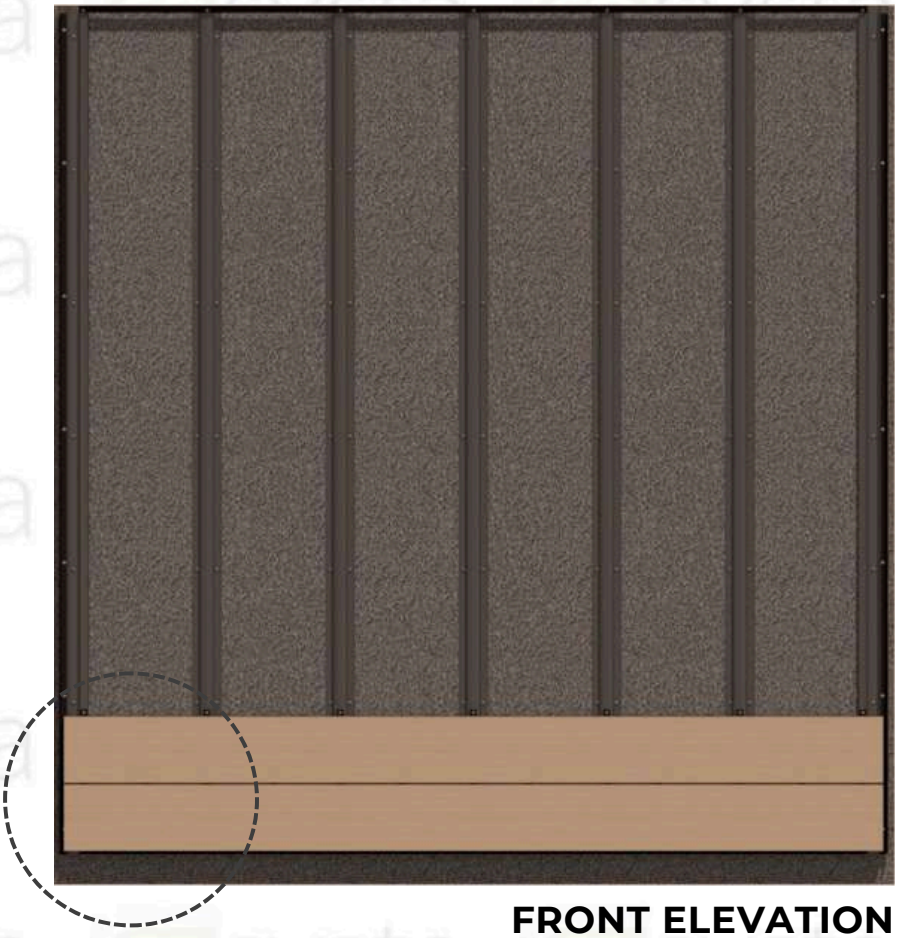
MFTH Z-Clip with Screw

DETAIL A

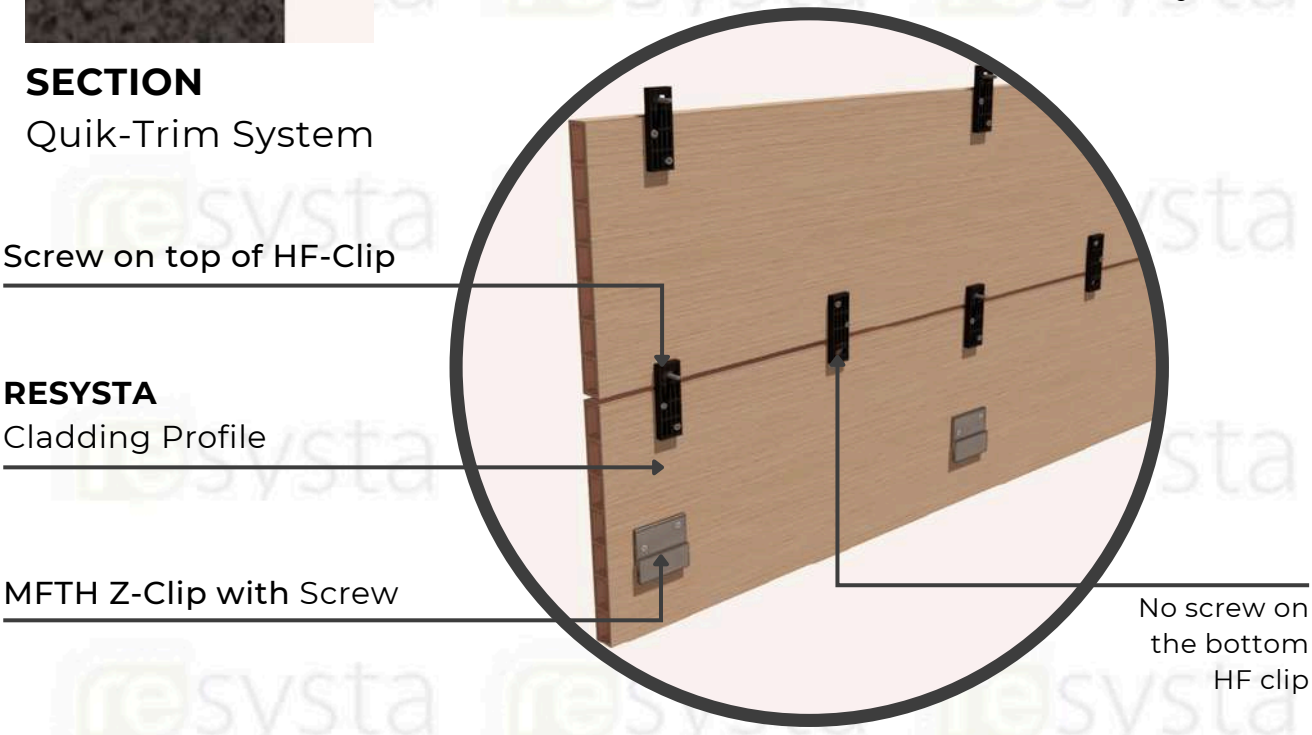
STEP 3.7

Repeat steps 3.5 and 3.6.

SECTION
Quik-Trim System



FRONT ELEVATION
Quik-Trim System



DETAIL ELEVATION
Quik-Trim System

STEP 3.8

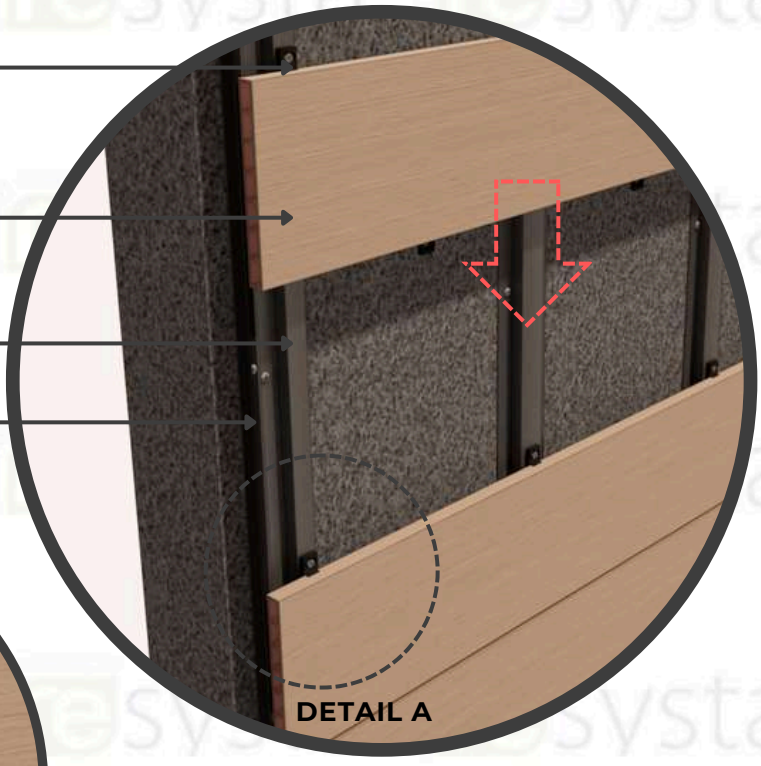
Continue installing cladding boards as outlined in steps 3.5 and 3.6.

RESYSTA
HF-Clip with Screw

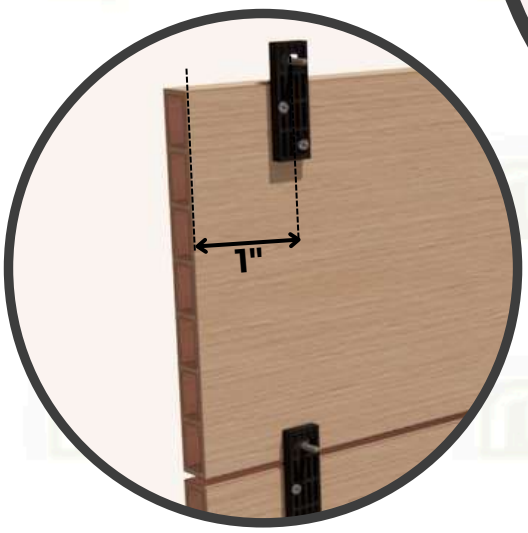
RESYSTA
Cladding Profile

RESFHTC10BA
Façade Hat Channel

Quik-Trim PVC base

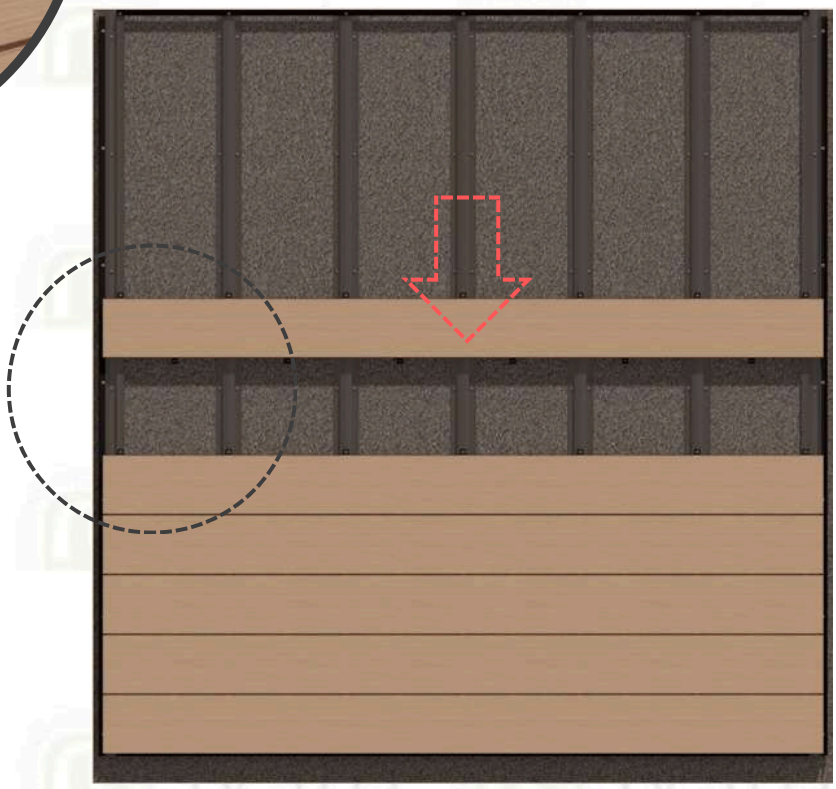


DETAIL ELEVATION
Quik-Trim System



DETAIL A

Maximum distance of 1" from the center of the HF-clip to the end of the board.



FRONT ELEVATION
Quik-Trim System

STEP 3.9

Installing the topmost board. Measure the height for the remaining board for installation. Provide 3/8" gap on top where the PVC base are installed. Mark backside of boards where the position of installed hat channels are; and height remaining for board installation from Top of board. Saw off the excess bottom part of the board following previously establish marking. Ensure cutting is parallel to top of board.

FRONT ELEVATION

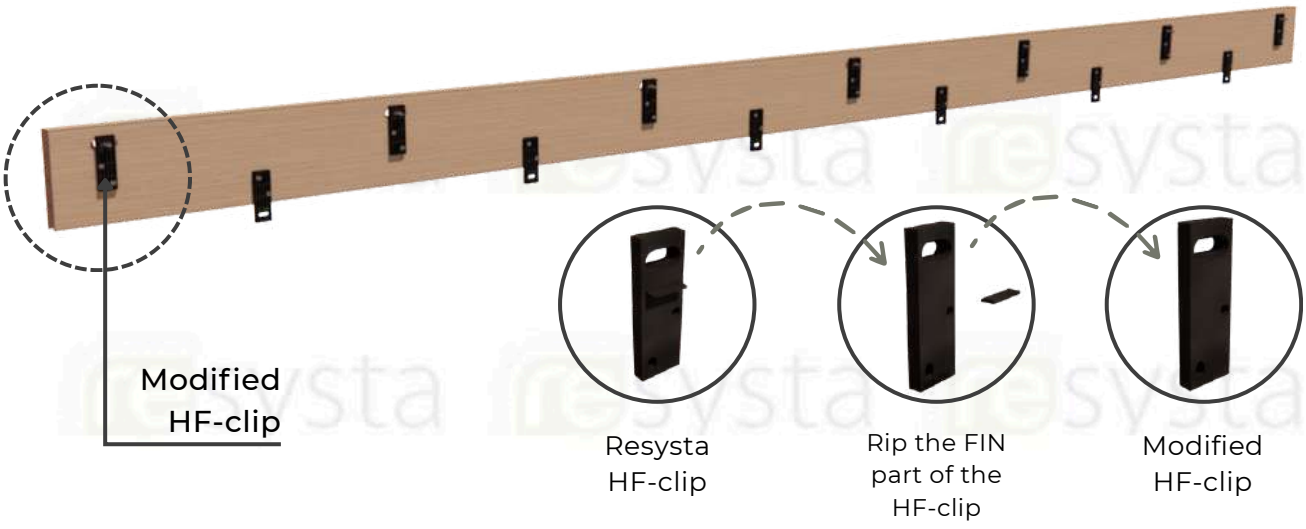
Quik-Trim System

STEP 3.10

On the modified board, drill holes 1/2" high x 1-3/16" wide on the backside of the board aligned to every Hat Channel as previously marked.

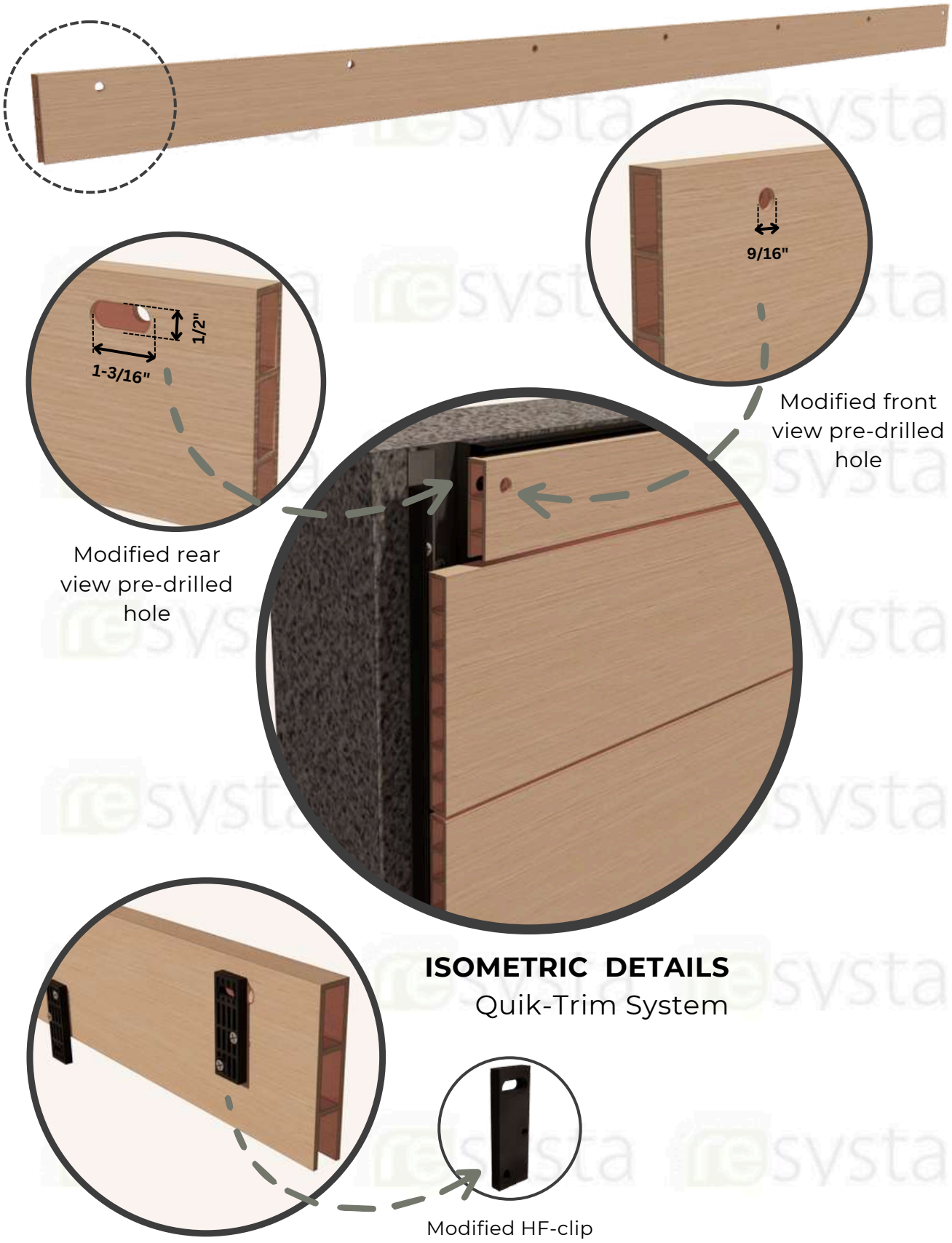
Drill hole 9/16" diameter on the Front side of the board aligned to every Hat Channel as previously marked.

On the Topmost of the board: Install the modified HF clip using 2-#8x1/2" SMS screw aligned to the holes and the hat channel markings. On the Bottom part of the board: install HF clip using 2-#81/2" SMS screw anywhere in between hat channel markings.



STEP 3.11

Slide in place HF clip Fin on the Bottom part of the board shall rest on the Top of the previous board. Fix the cladding board by screwing through the pre-drilled holes and modified HF clips on the Top part of the board using 1-#8x1/2" TEK screw.

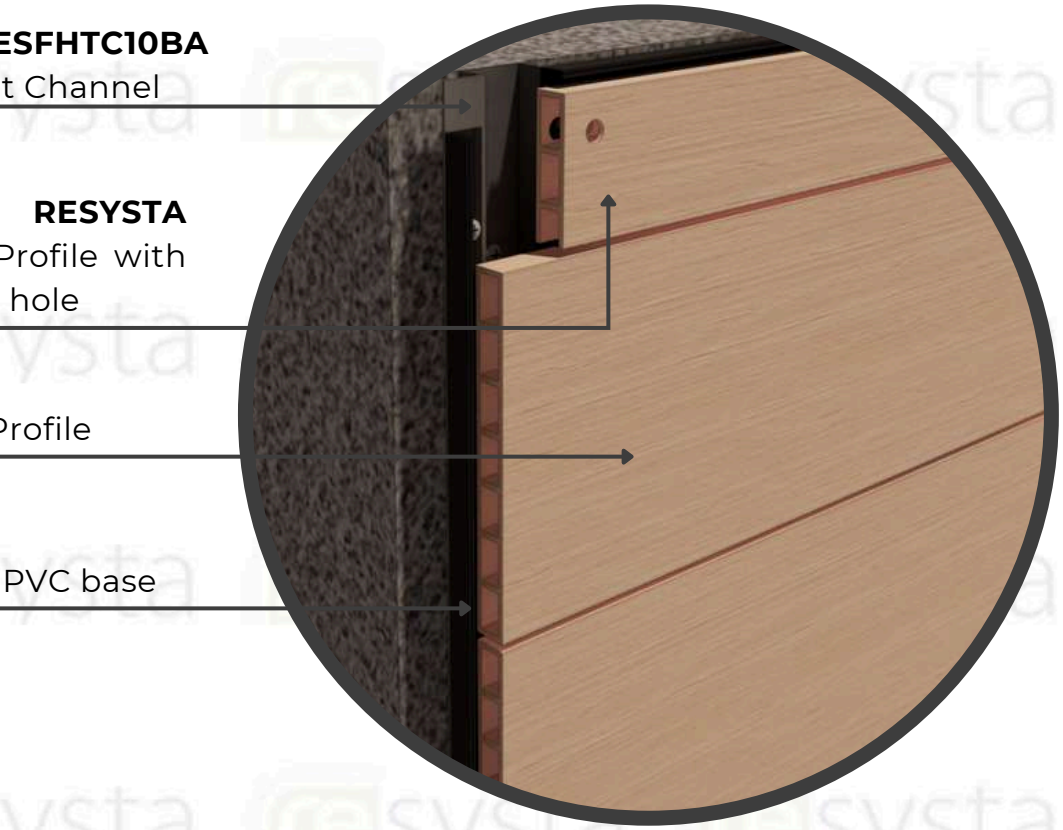


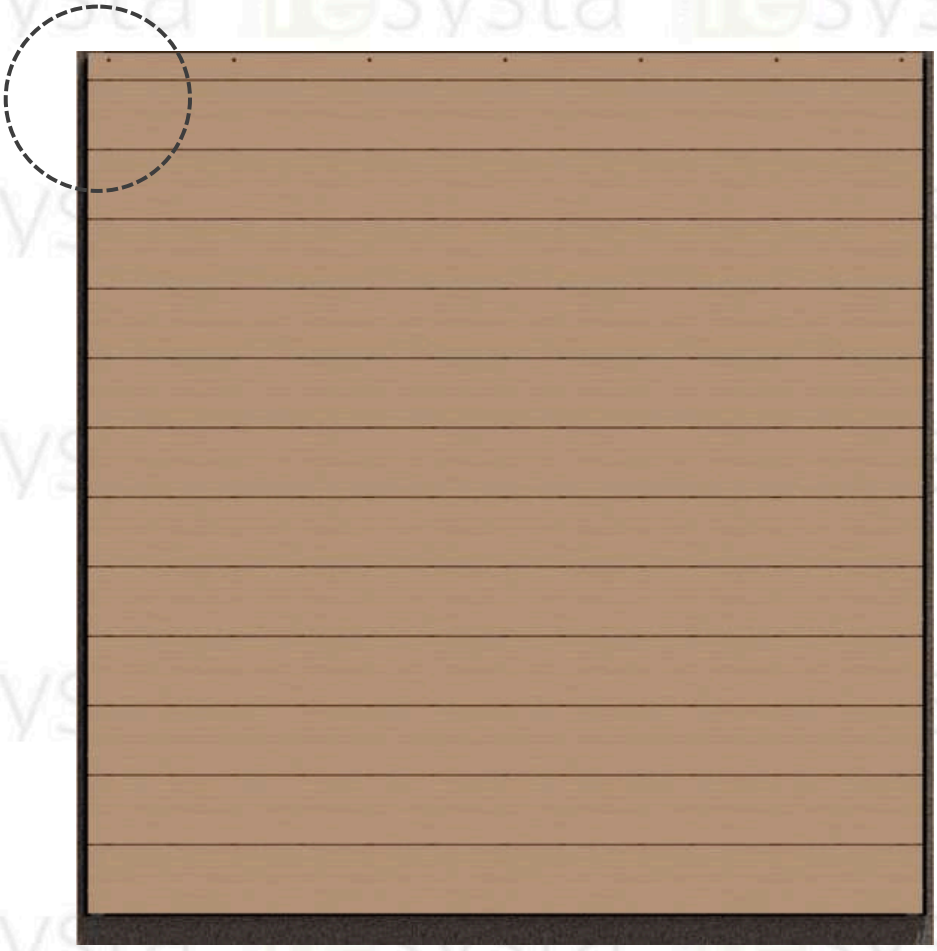
Reverse **RESFHTC10BA**
Façade Hat Channel

Modified **RESYSTA**
Cladding Profile with
pre-drilled hole

RESYSTA
Cladding Profile

Quik-Trim PVC base



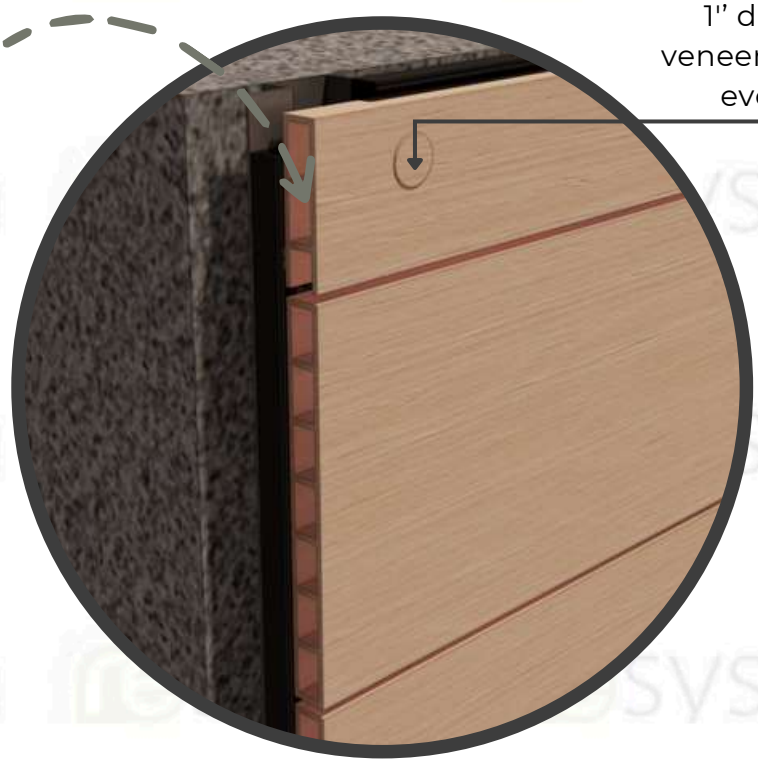


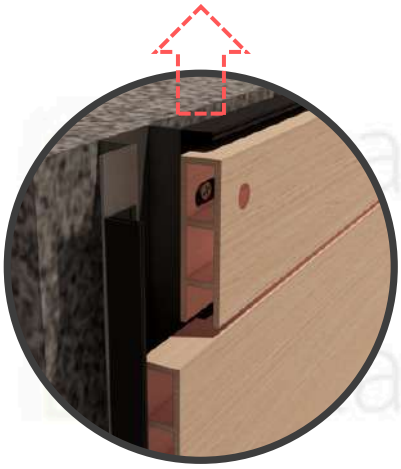
FRONT ELEVATION
Quik-Trim System

STEP 3.12

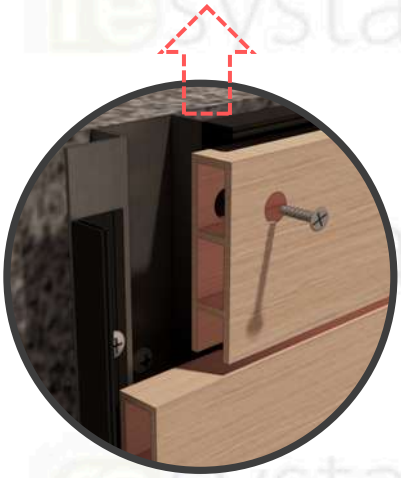
Screw the cladding board thru the pre-drilled hole on the Hat Channel and stick a 1'' diameter veneer cap on every hole.

Cover the pre-drilled hole

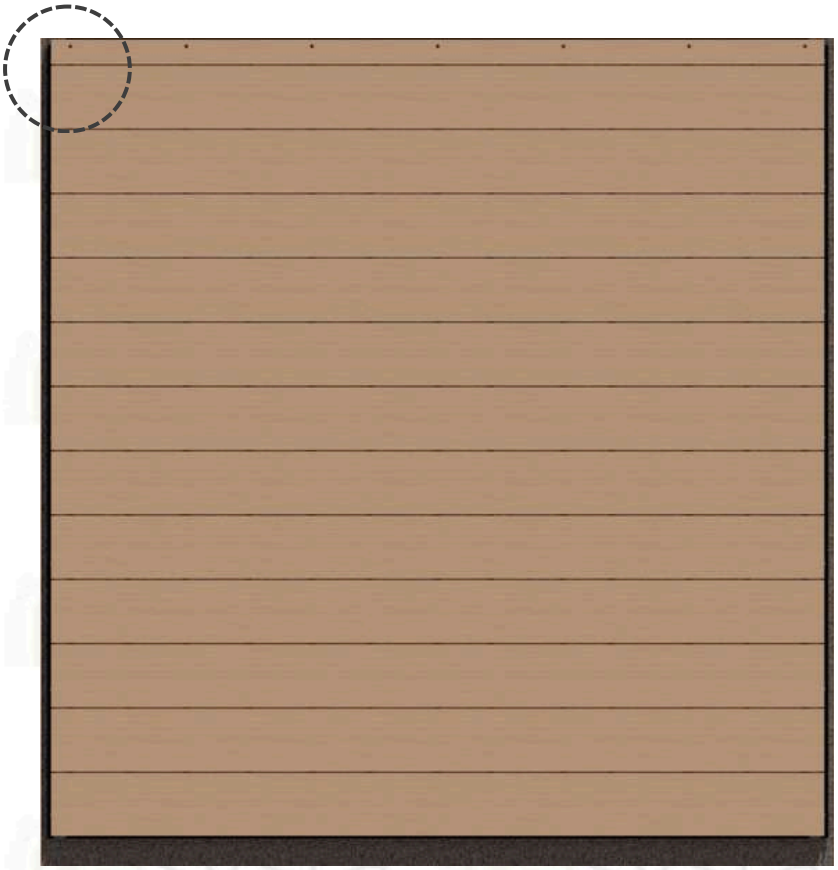




Screw the board thru the hole where HF-clip is attached



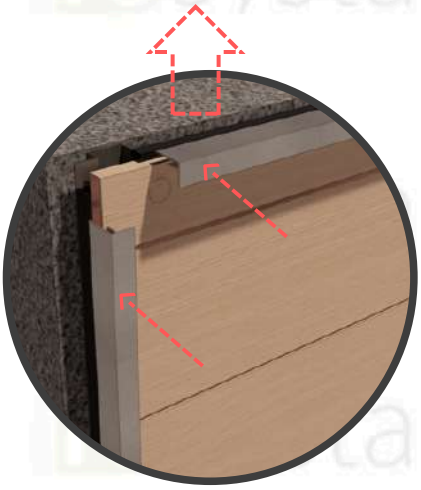
Insert the screw thru the hole

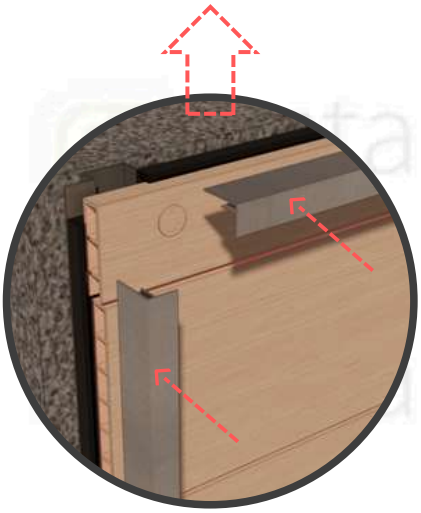


FRONT ELEVATION
Quik-Trim System

STEP 3.13

Finally , install all the aluminum Quik-trim to finish the edges.



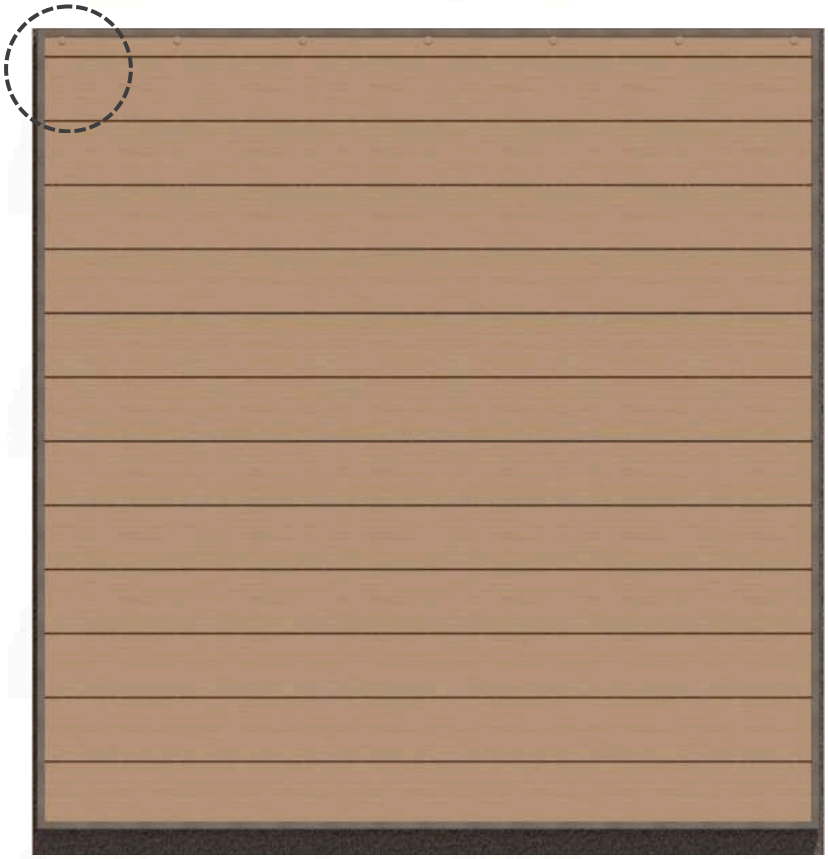


Install the window J-mold into the PVC base

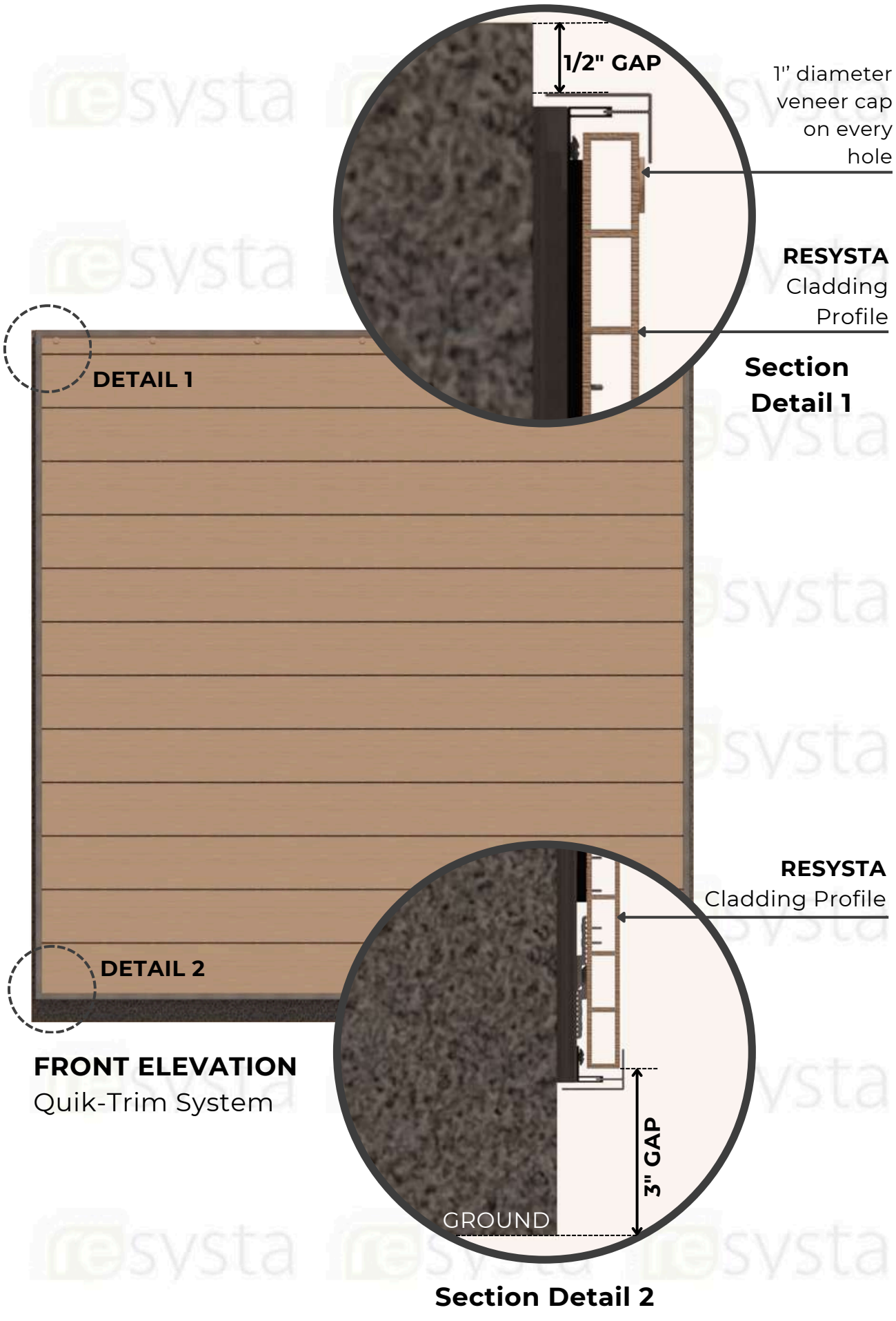
QTWJM10 Quik-Trim Windows J-Mold

1" diameter veneer cap on every hole

RESYSTA Cladding Profile



FRONT ELEVATION
Quik-Trim System



FRONT ELEVATION
Quik-Trim System

SECTION 4 – Multi-Board Horizontal Wall Cladding Applications

2 Board-Wide Installation with the Aluminum Quik-Trim H-mold (24ft max width)

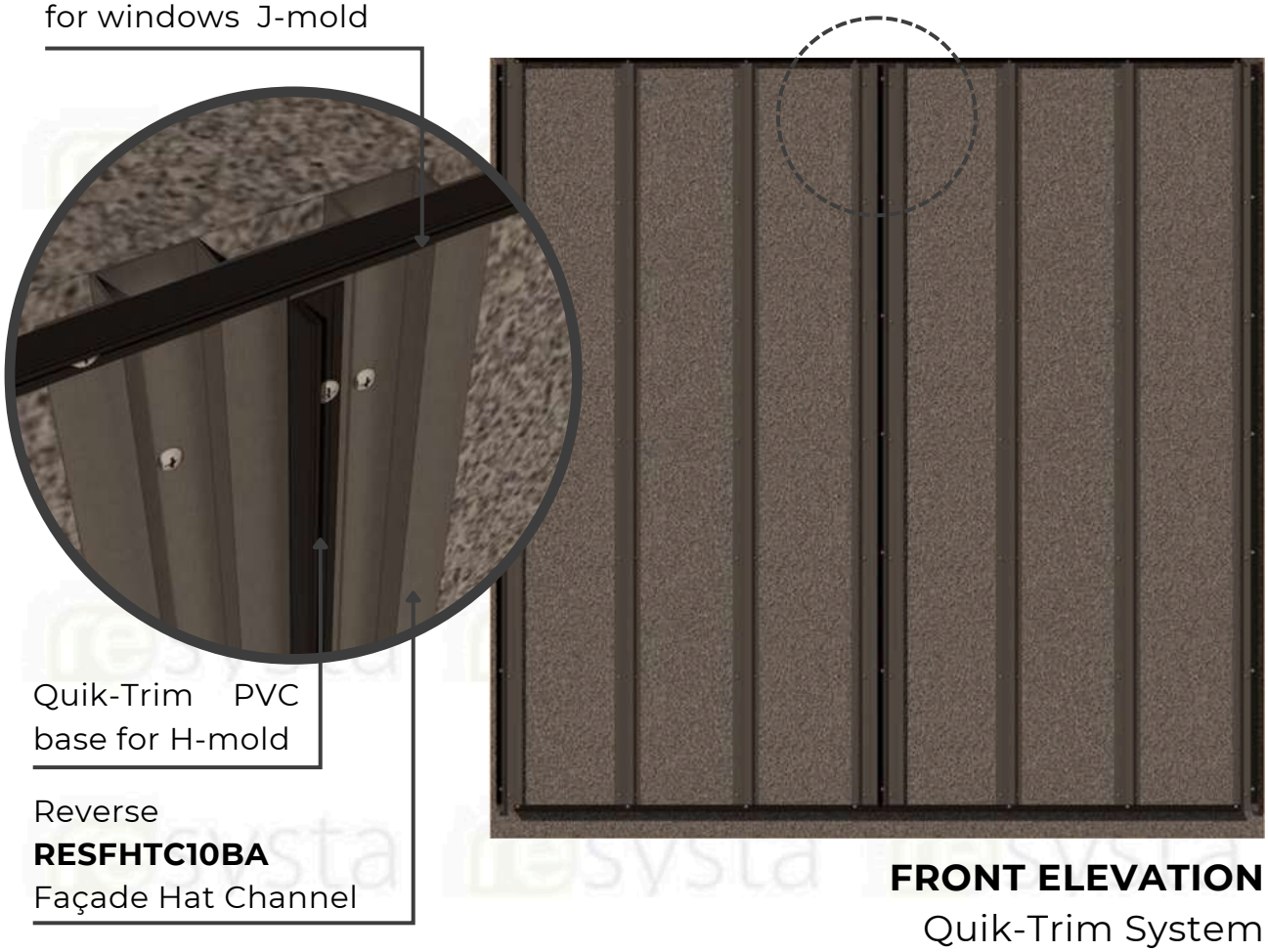
STEP 4.1

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

FRONT ELEVATION
Quik-Trim System

STEP 4.2

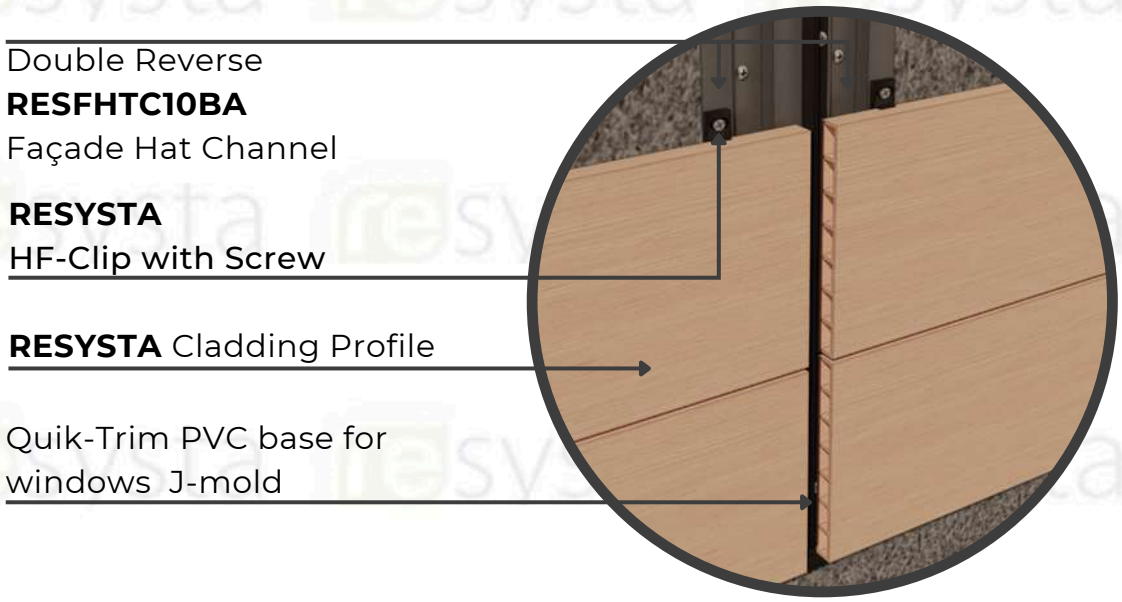
Install the Quik-Trim PVC base around the edge into the hat channel and install the Quik-Trim PVC base where the aluminum Quik-Trim H-mold will be installed.



FRONT ELEVATION
Quik-Trim System

STEP 4.3

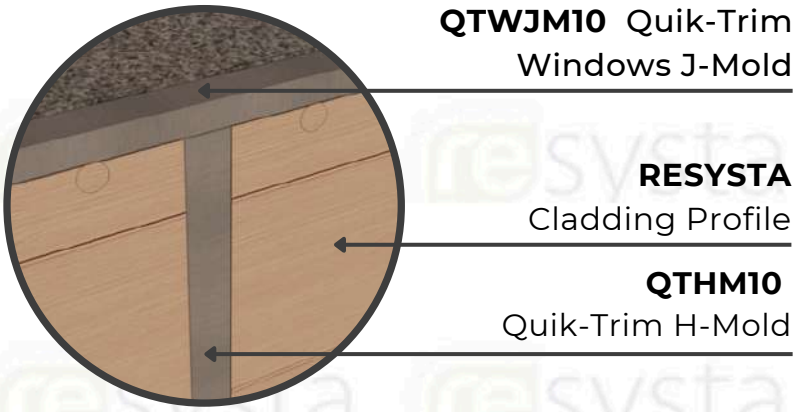
Follow Steps 3.2 until 3.8 from Section 3 and make sure there is a proper gapping between the wall cladding board.



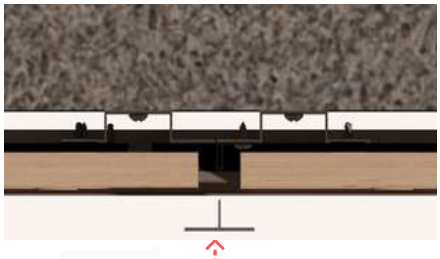
STEP 4.4

After the installation of all the boards, finally, install the aluminum Quik-trim on the PVC base to finish the edges.

SECTION

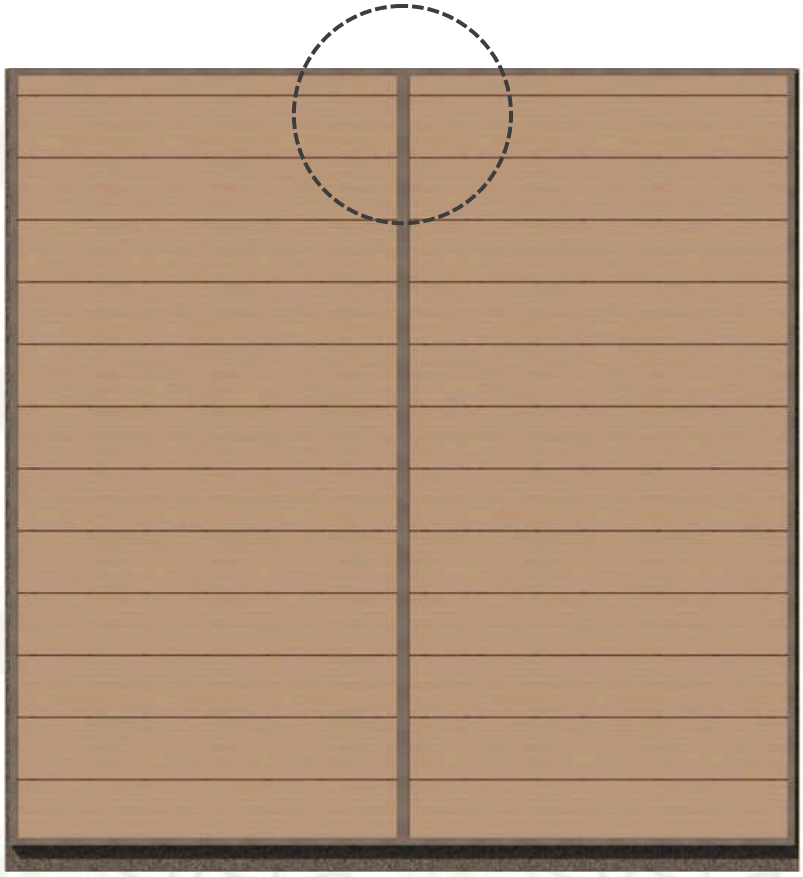


ISOMETRIC
VIEW



SECTION

ISOMETRIC
VIEW



FRONT ELEVATION
Quik-Trim System

SECTION 5 - Vertical Wall Cladding Application

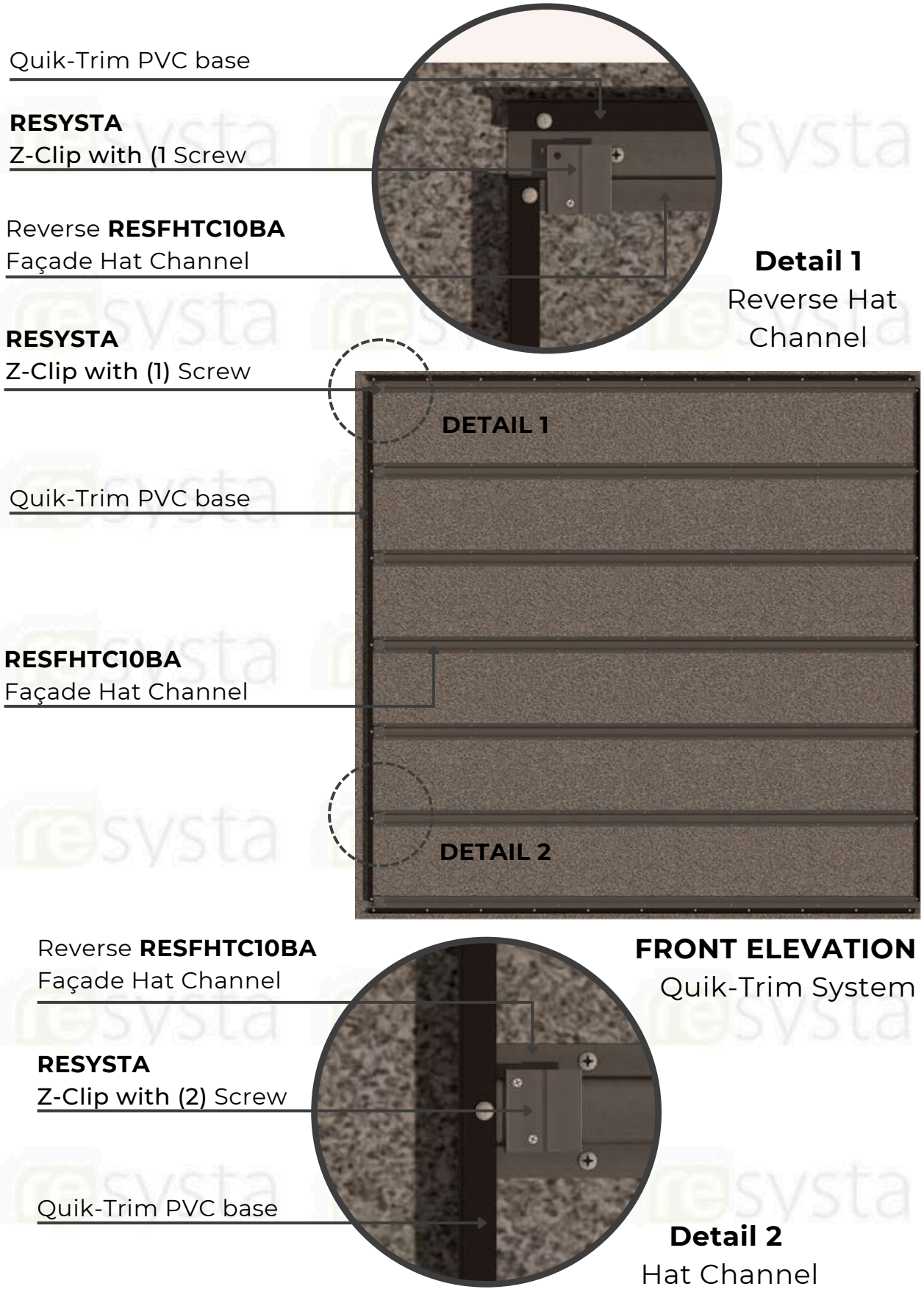
STEP 5.1

Install the hat channel horizontally in every 16'' center to center. Pre-apply the Quik-Trim PVC base for all finishing trim accessories such as around corners, windows, and doors according to the pre-plan layout and following the manufacturer's recommendations. Ensure that all PCV bases are level and square.

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

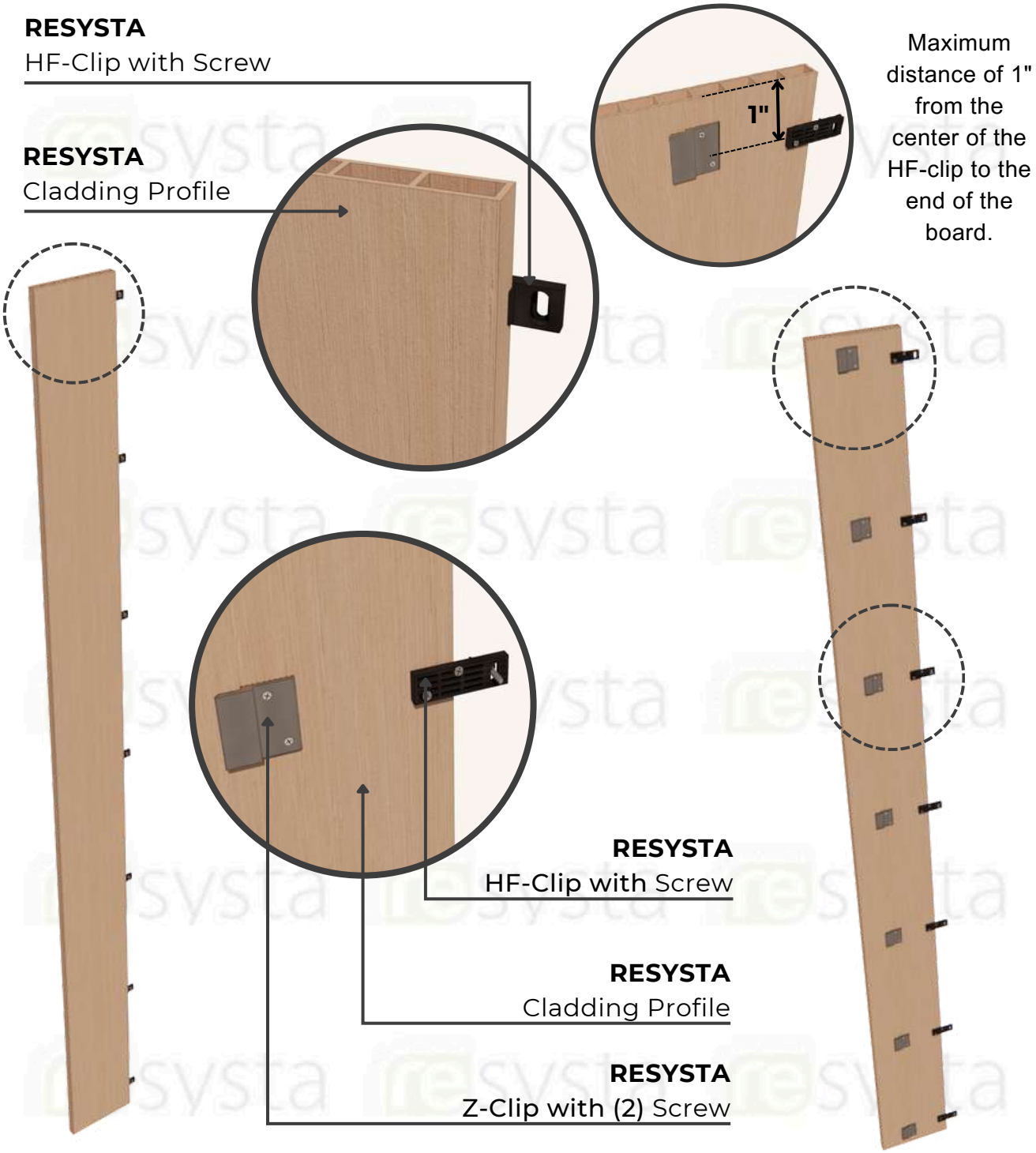
STEP 5.2

Install Z-Clip system MFTH-625 on all the Reverse Hat Channels with one (1) sheet metal screw on Detail 1; and on all Hat Channels with tow (2) sheet metal screws on Detail 2. Ensure MFTH-625 are levelled.



STEP 5.3

For the vertical starter board install cladding boards with pre-installed MFTH and HF clips on the backside, by screwing it on hat channels thru the top HF clip using one (1) #8 x 1/2" tek screw. Provide 3/8" space between the boards and PVC base.



FRONT ISOMETRIC VIEW
VERTICAL WALL CLADDING DETAILS

REAR ISOMETRIC VIEW
VERTICAL WALL CLADDING DETAILS

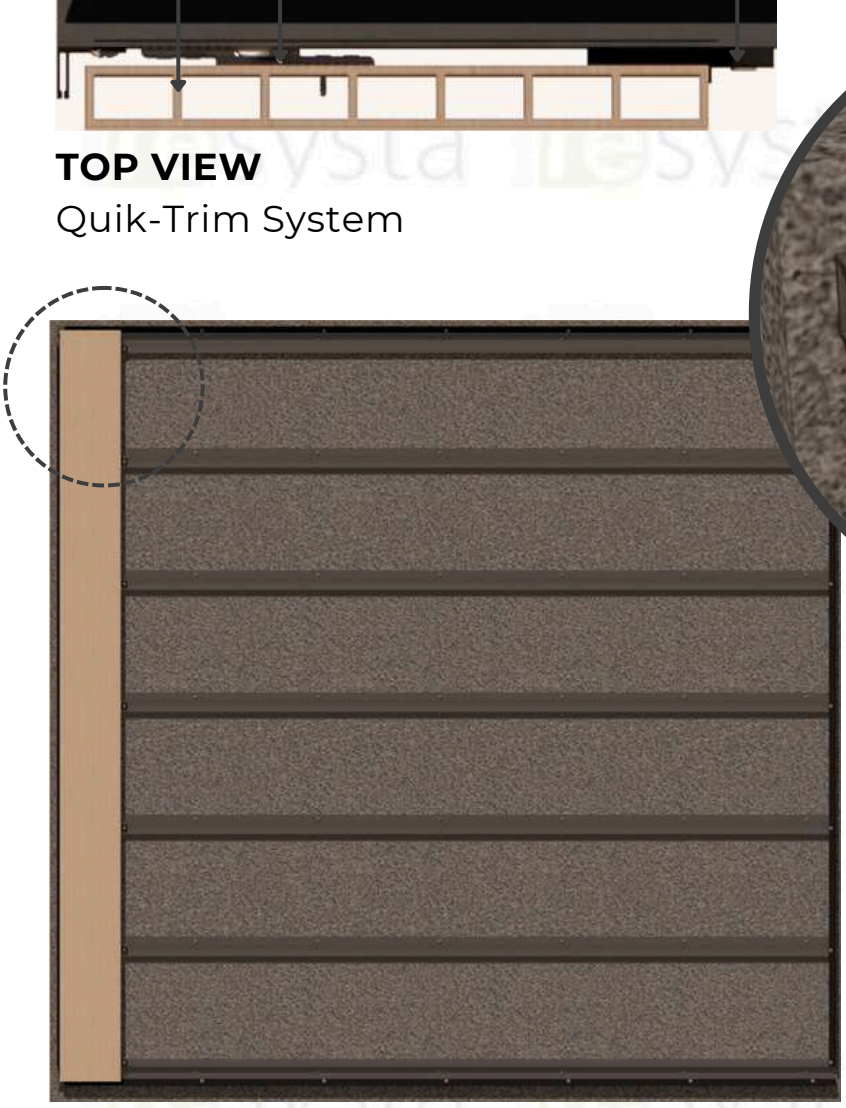
NOTE:
Make sure the first clip is attached within 1" from the end of the wall cladding board.

STEP 5.4

The first vertical cladding board slide to the left until the MFTH Z clip interlock and screw the HF clip on the Hat channel.

To connect the MFTH Z-Clip with the screw, slide to the left until they interlock.

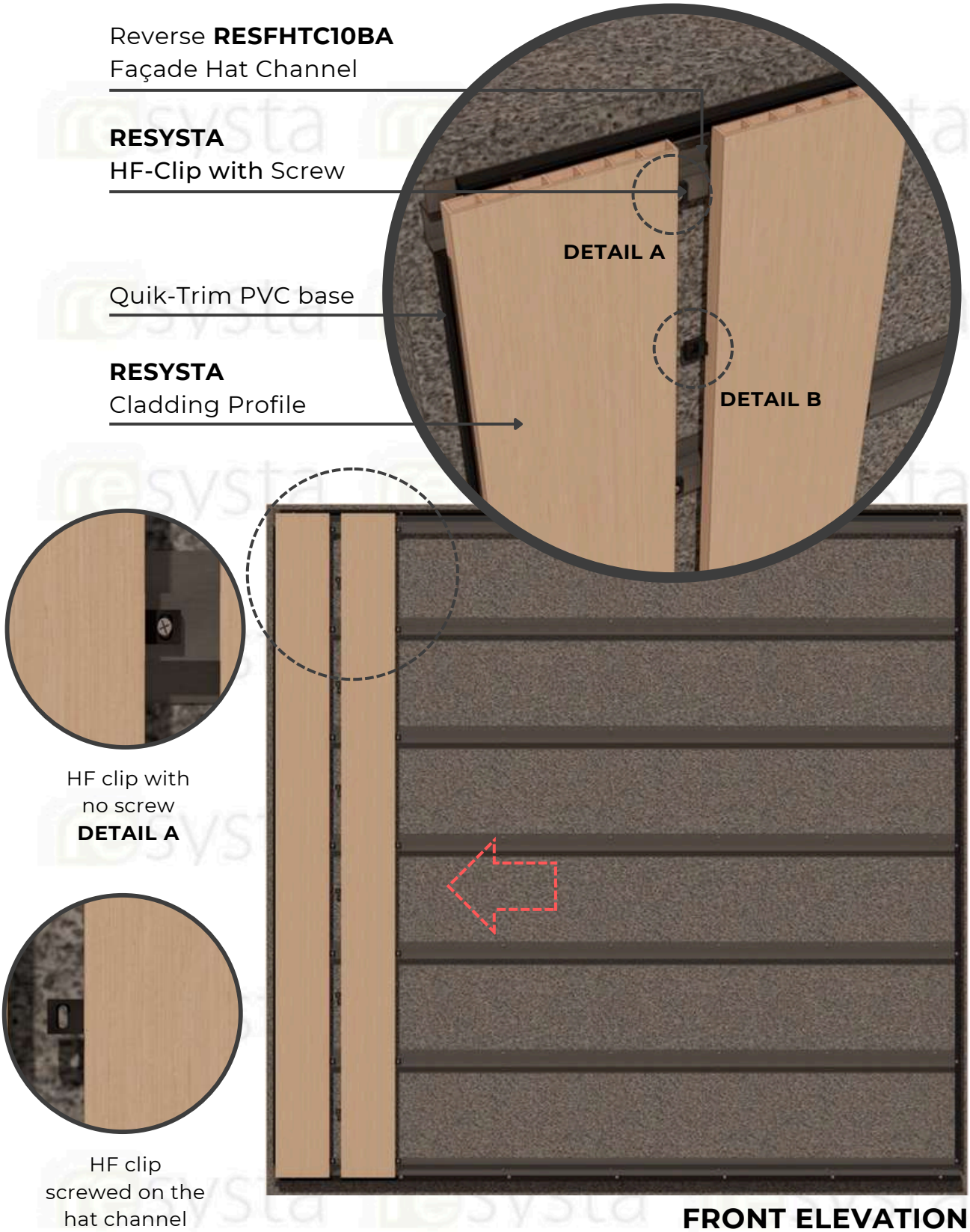
TOP VIEW
Quik-Trim System



FRONT ELEVATION
Quik-Trim System

STEP 5.5

On the 2nd board pre-installed the HF clips on both side. On the left side install HF clip with 2 #8 x ½" SMS screws aligned to the hat channel markings. On the right side install HF clip with 2 #8 x ½" SMS screws anywhere in between of the hat channel.



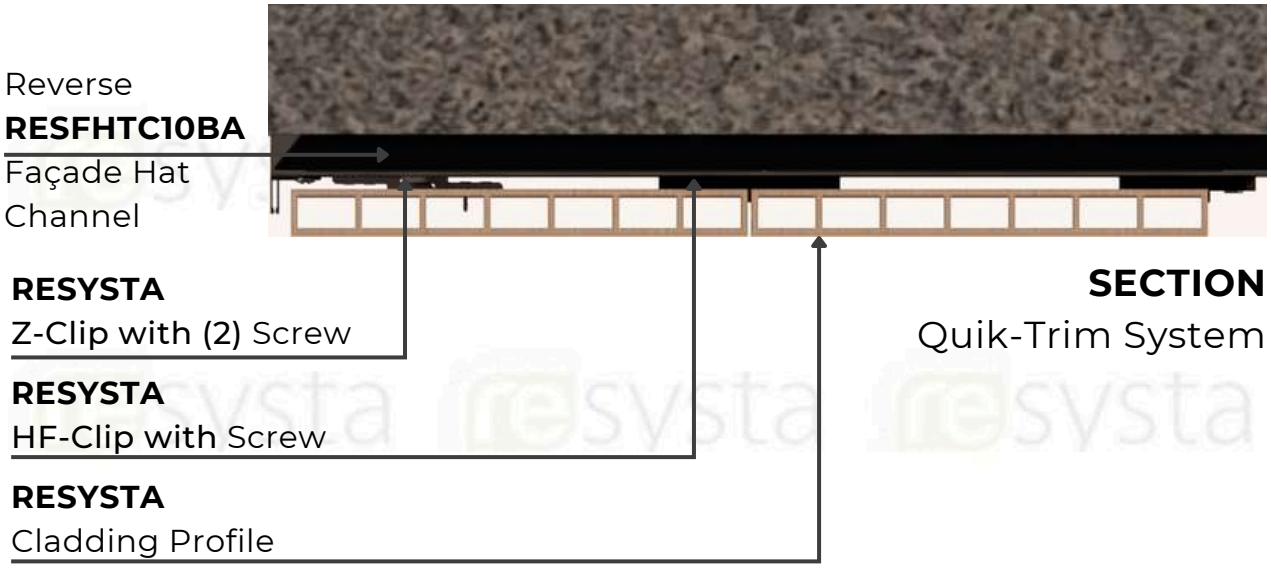
HF clip with
no screw
DETAIL A

HF clip
screwed on the
hat channel
DETAIL B

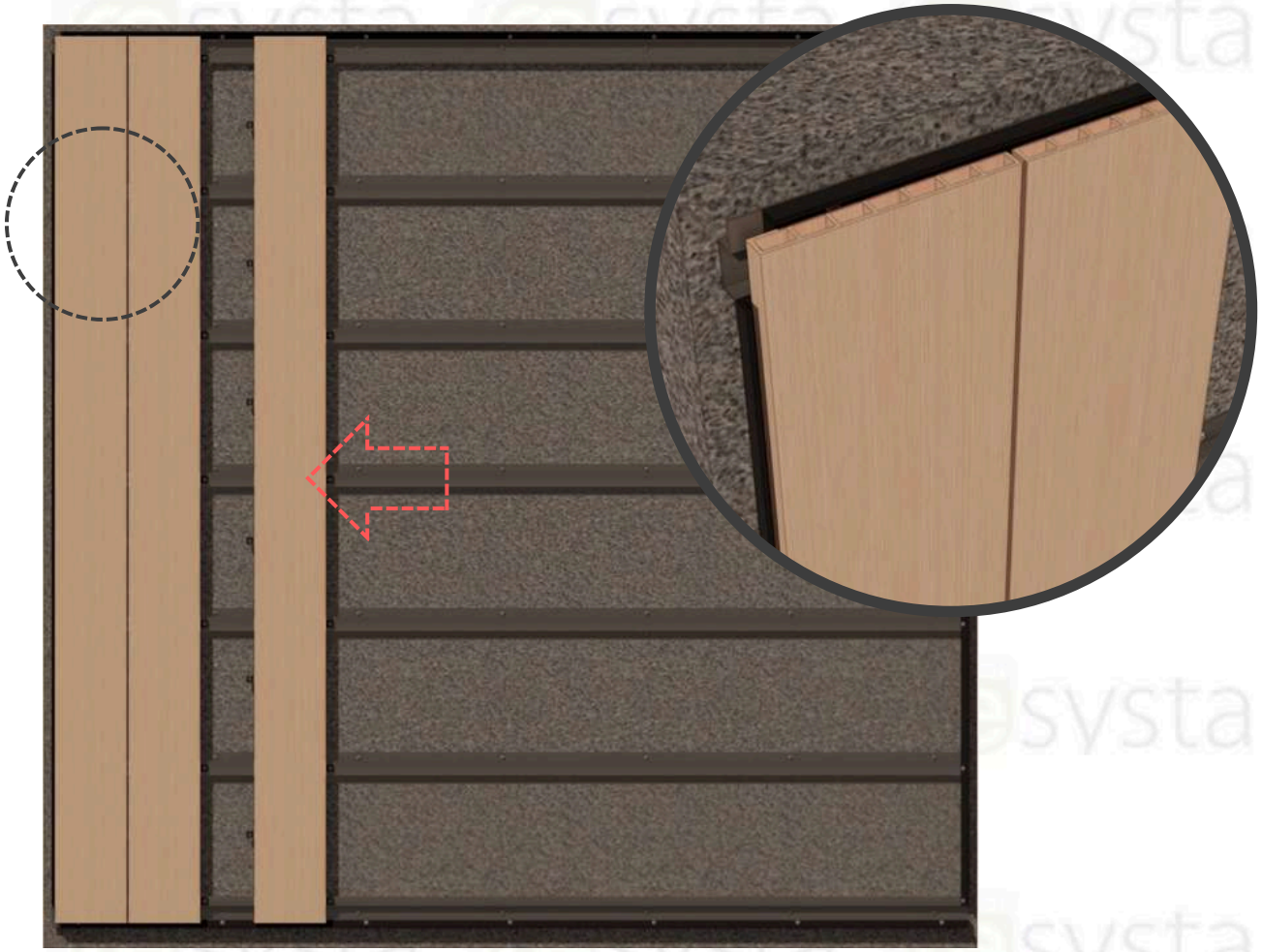
FRONT ELEVATION
Quik-Trim System

STEP 5.6

Slide in place, HF clip fin on the left side part of the board shall rest on the first layer of the board. Fix cladding boar by screwing through the exposed HF clips on the right side to the hat channels using 1 #8 x ½" SMS screws.



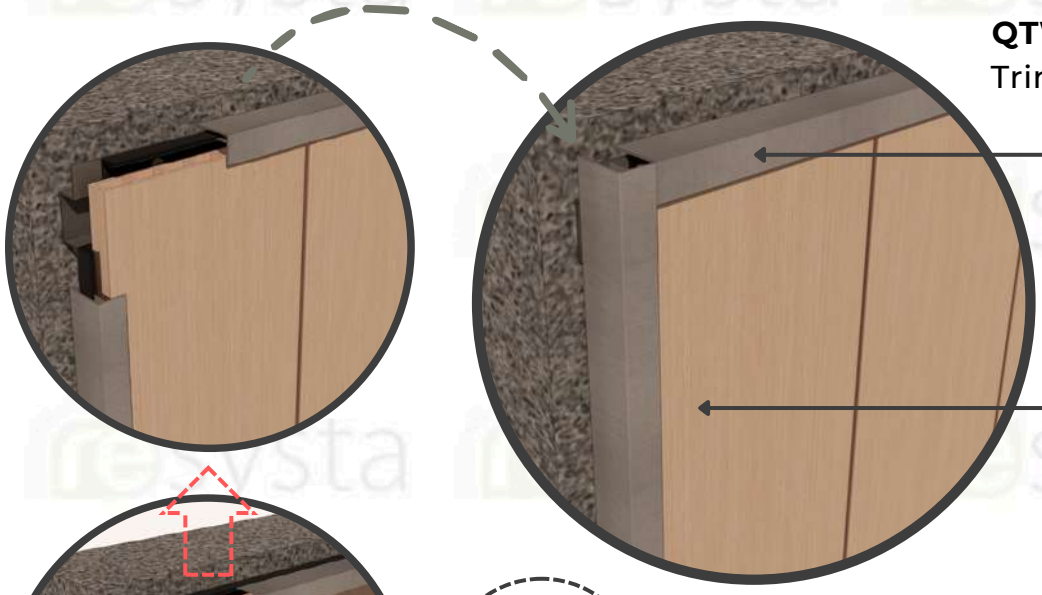
SECTION
Quik-Trim System



FRONT ELEVATION
Quik-Trim System

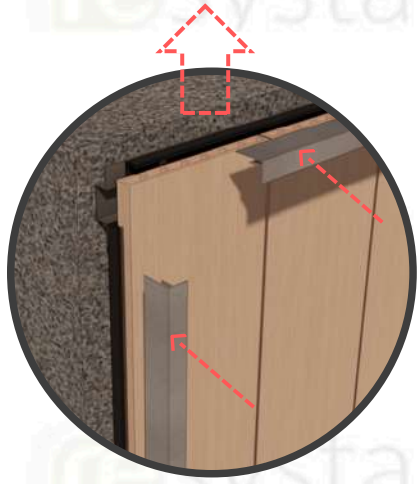
STEP 5.7

Continue installing vertical cladding boards as outlined in steps 5.4 and 5.5 until the end . Finally , install all the aluminum Quik-trim to finish the edges.

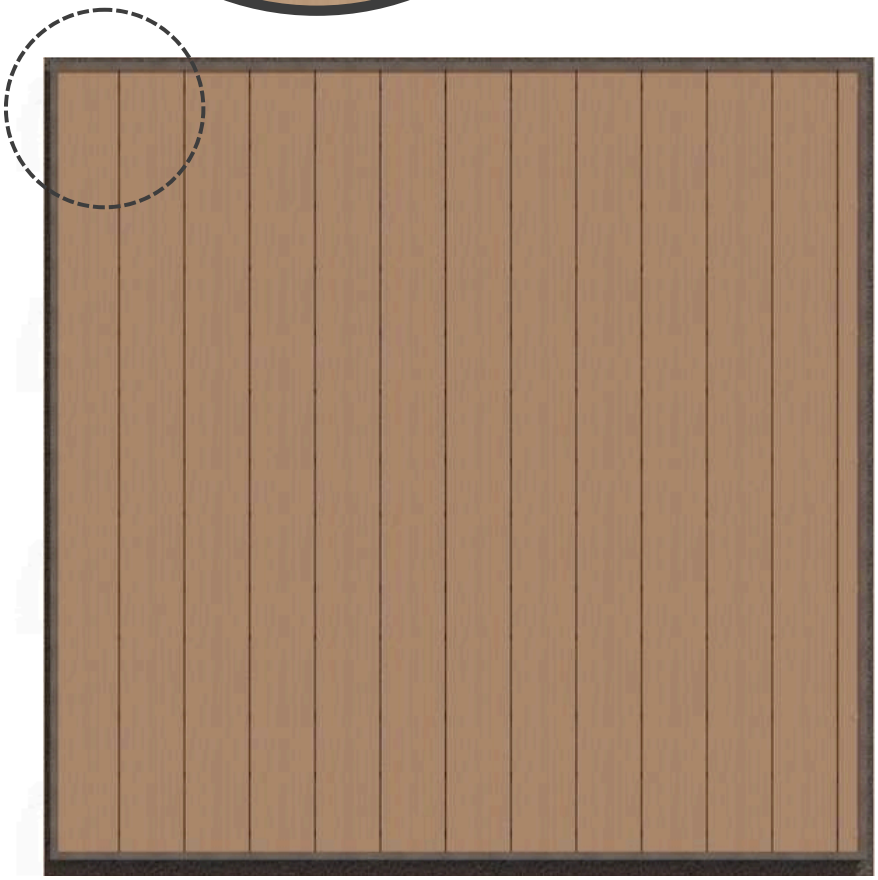


QTWJM10 Quik-Trim Windows J-Mold

RESYSTA Cladding Profile



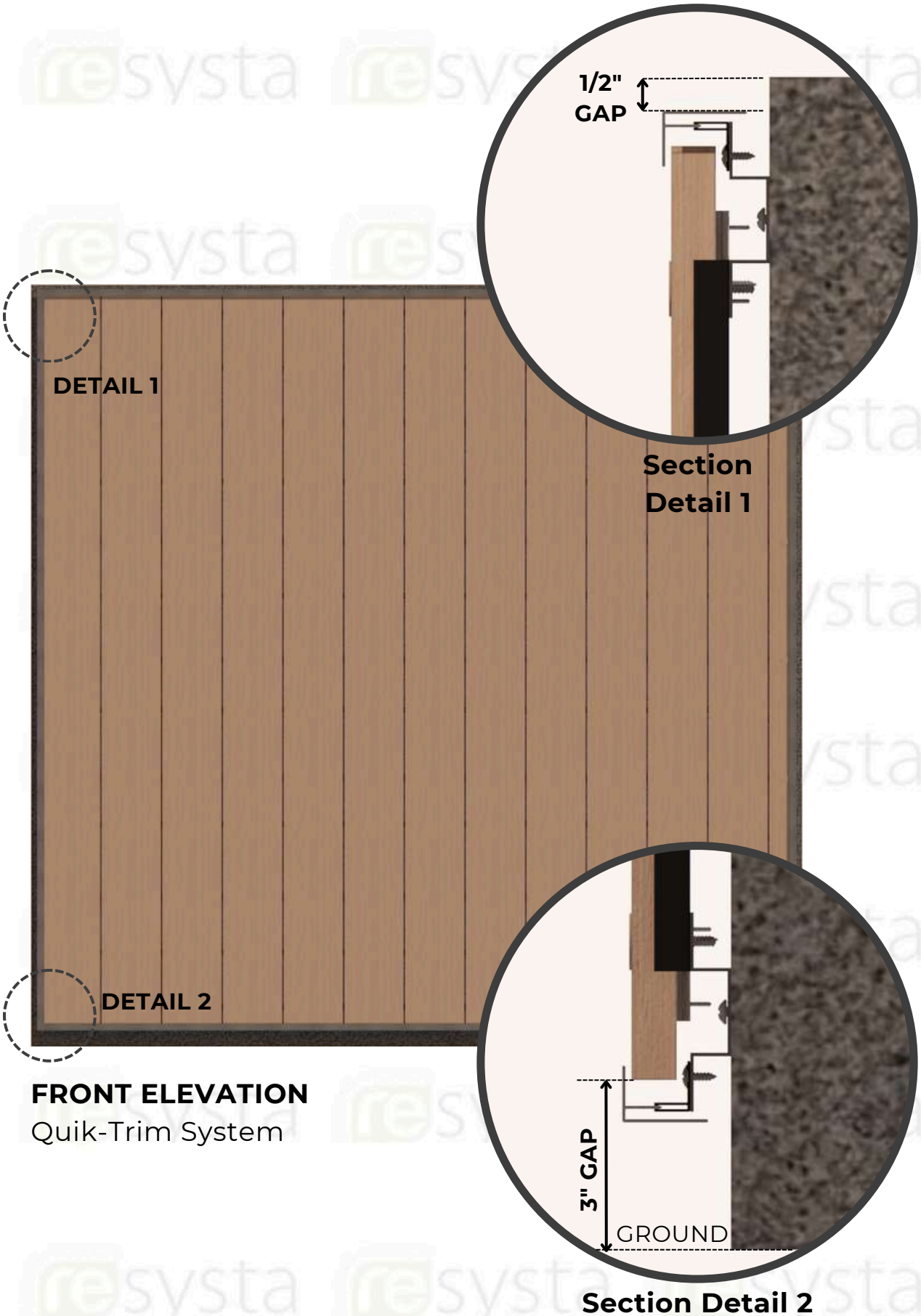
Install the window J-mold into the PVC base



FRONT ELEVATION
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. Gaps the bottom of the board properly based on installation needs.



FRONT ELEVATION
Quik-Trim System

SECTION 6 – Multi-Board Vertical Wall Cladding Applications

2 Board-Wide Installation with the Aluminum Quik-Trim H-mold (24ft max width)

STEP 6.1

Just like Section 4, Ensure two battens are installed where boards are to be installed end to end.

STEP 6.2

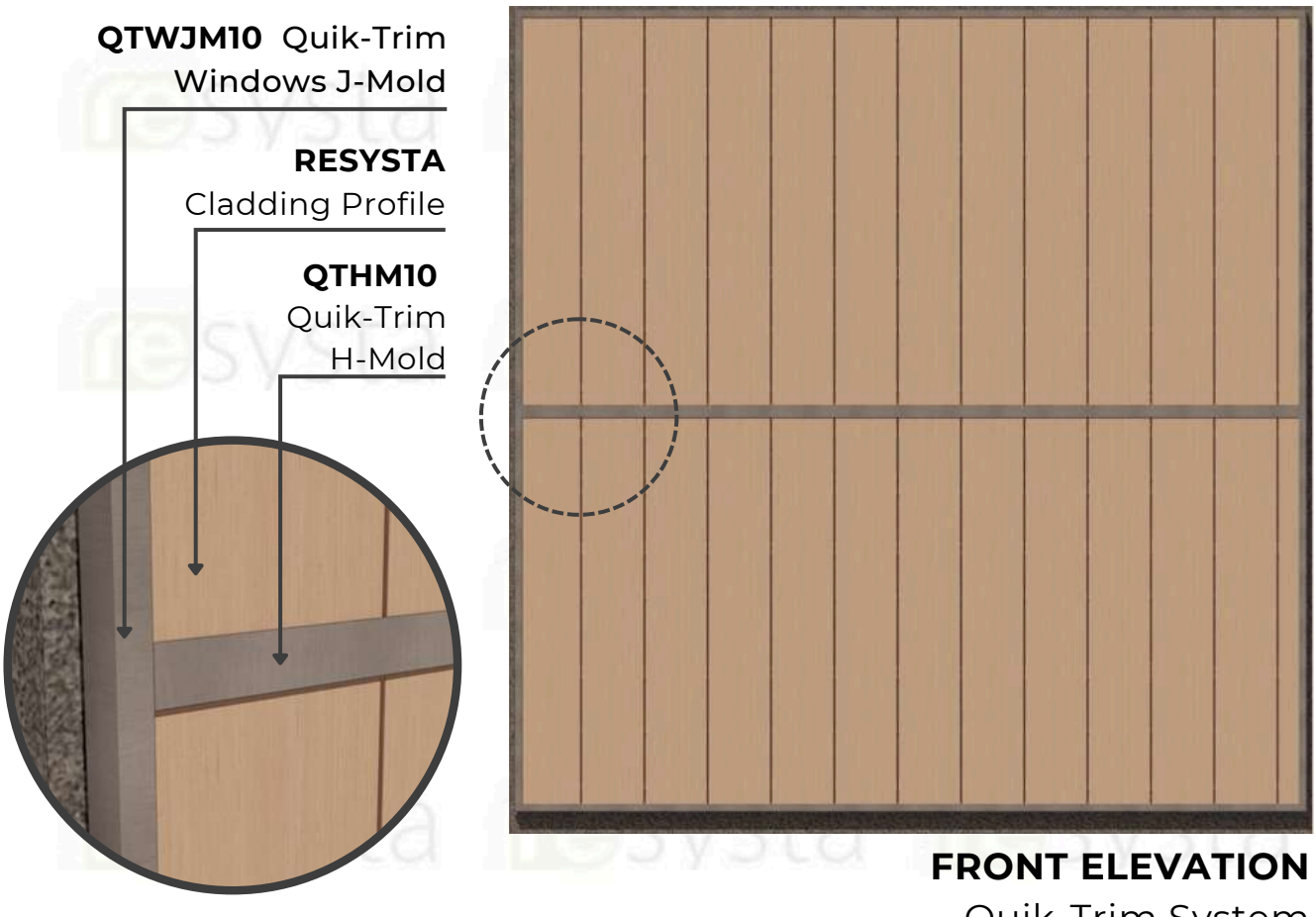
Follow Steps 5.1 and 5.2 of Section 5 to install the finishing PVC boase, and attach the first wall cladding board.

STEP 6.3

Install the top wall cladding board by butting it against the bottom wall cladding board and securing it with the provided HF clips. Use Table 1.4 “Resysta Expansion” for reference to ensure proper spacing between wall cladding boards.

STEP 6.4

Follow the steps 5.3 through 5.5 of Section 5 until the installation is finished



FRONT ELEVATION
Quik-Trim System

SECTION 7 - Wall Cladding Application for HF Long Clip

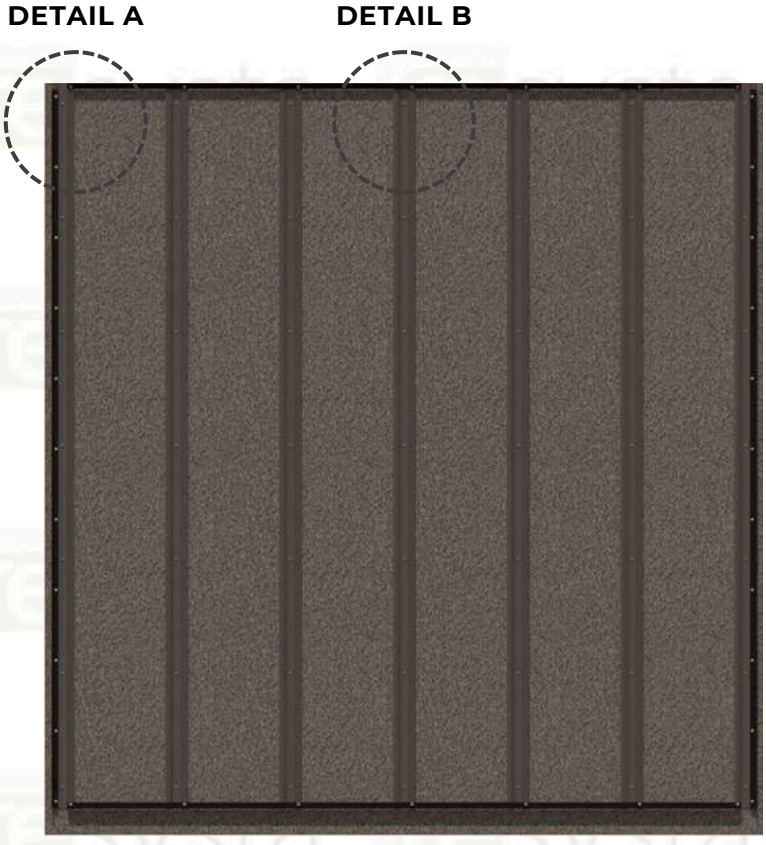
STEP 7.1

Hat channels must be installed on the reverse side to install the HF long clip. Pre-apply the Quik-Trim PVC base for all finishing trim accessories such as around corners, windows, and doors according to the pre-plan layout and following the manufacturer's recommendations. Ensure that all PVC bases are level and square. Battens should be installed vertically.

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

DETAIL A

DETAIL B



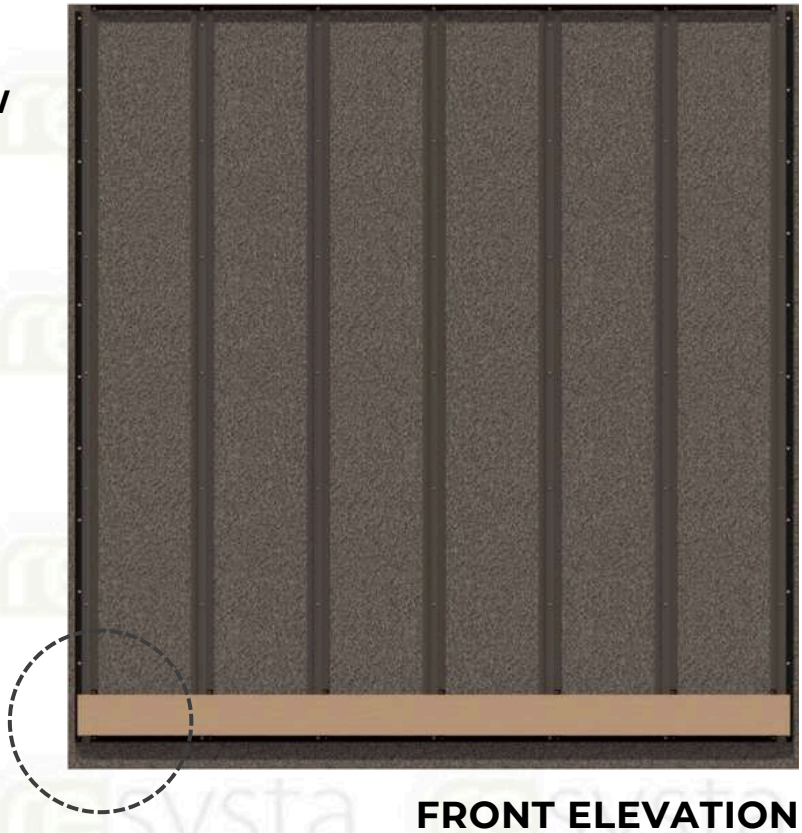
FRONT ELEVATION
Quik-Trim System

STEP 7.2

Install starter wall cladding board 3” from the ground. Attach HF long clips with the integrated assembly, start to the back side of the wall cladding board with 2 #8 x ½” SMS screws. HF Long Clip needs to be installed 16” apart and make sure they line up with the battens.

REAR ISOMETRIC VIEW
HORIZONTAL WALL
CLADDING DETAILS

Maximum distance of 1" from the center of the HF-clip to the end of the board.



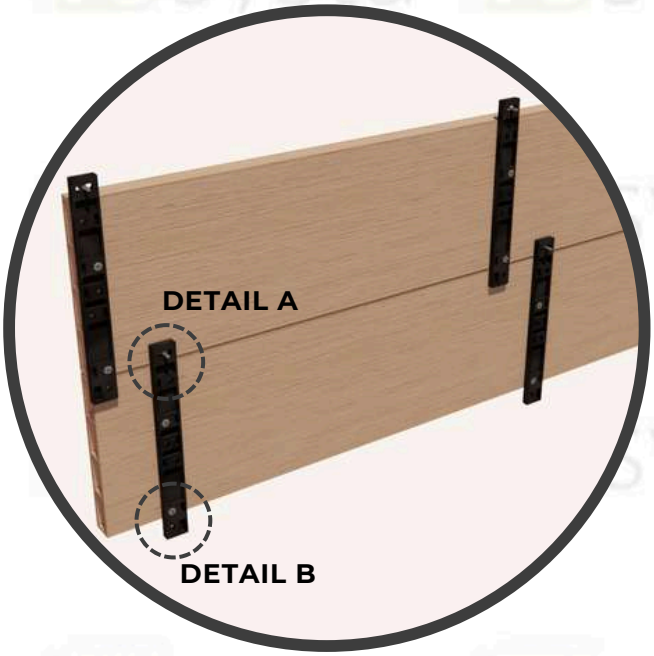
FRONT ELEVATION
Quik-Trim System

NOTE:

Each HF Long Clip requires 3 screws. Two are #8 x ½” SMS screws to attach the Clip to the Resysta Wall Cladding board and one is to attach the wall cladding board with the clip to the battens. Depending on the type of the substructure Resysta offers two types of screws: #8 x ½” TEK Screw for the Aluminum Substructure (Hat Channel)and #8 x 1 ¼” for the wooden substructure.

STEP 7.3

Install the HF Long Clip on the alternating wing of the reverse hat channel. HF Long Clip needs to be installed 16” apart and make sure they line up with the battens.



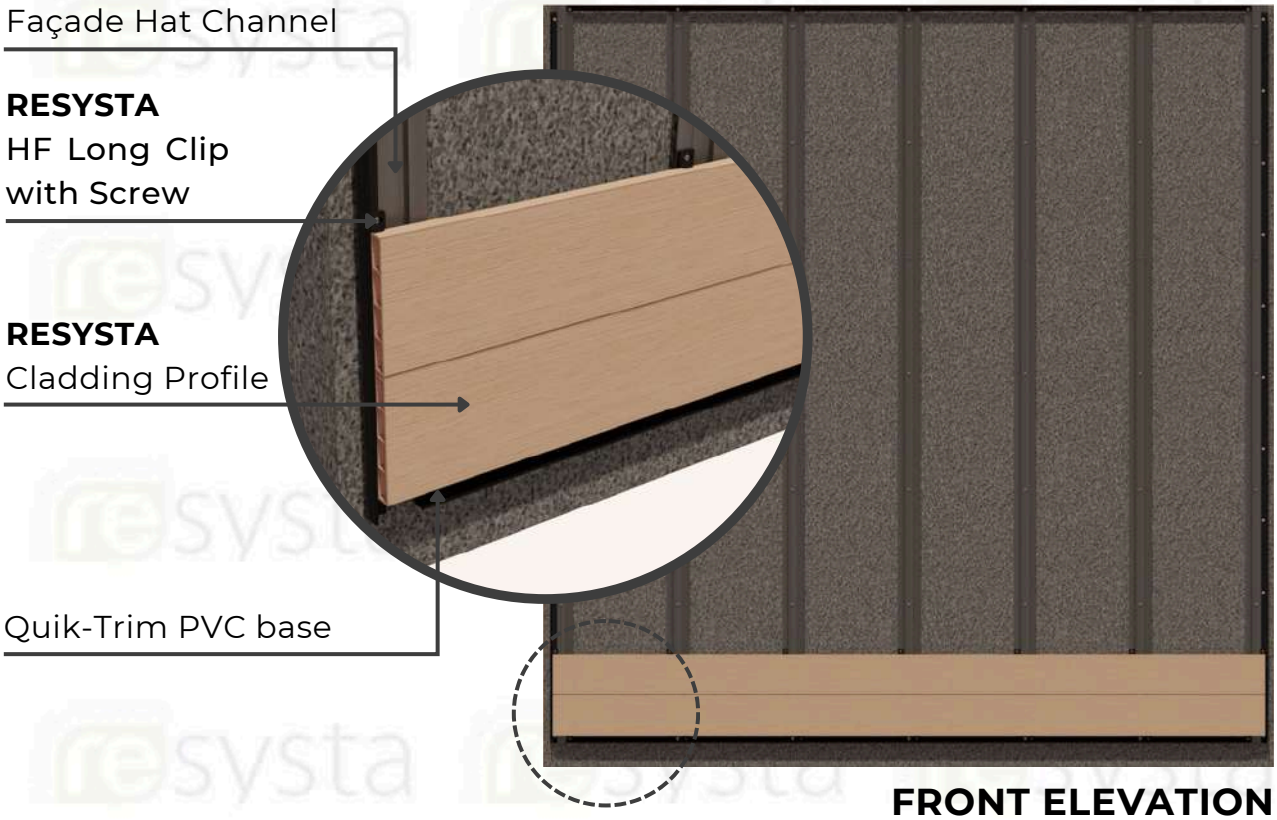
REAR ISOMETRIC VIEW
HORIZONTAL WALL
CLADDING DETAILS

Screw the top HF long clip on the Hat Channel

DETAIL A

No screw on the bottom HF long clip

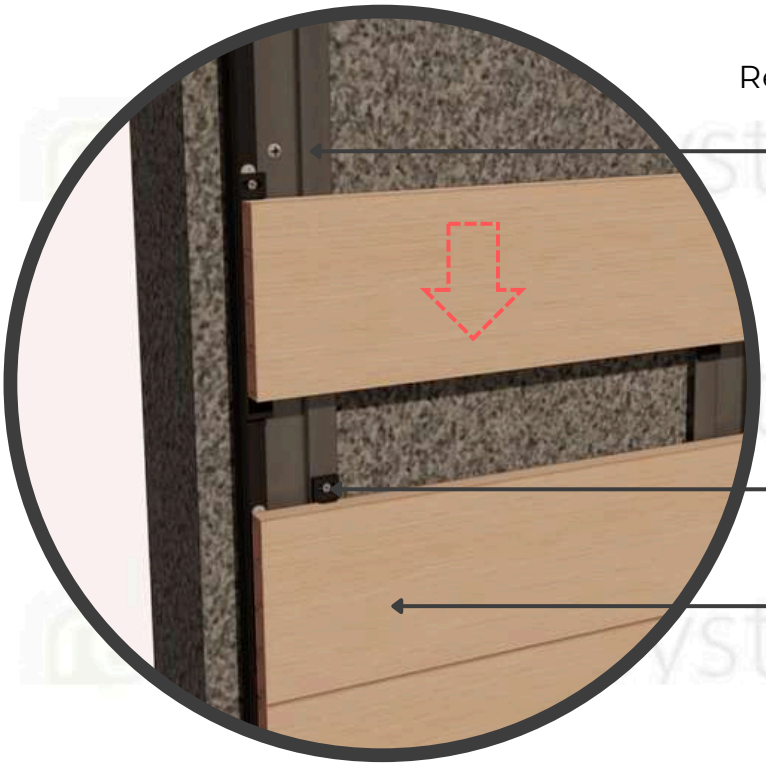
DETAIL B

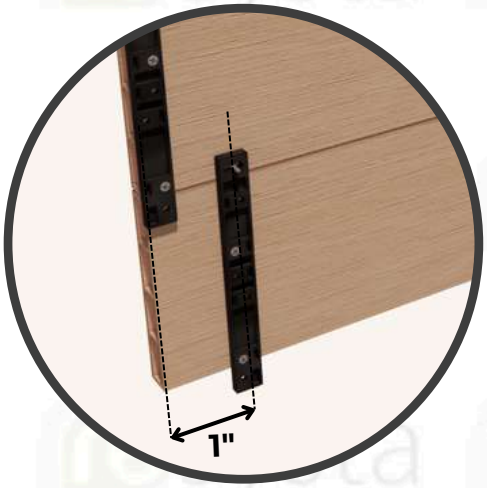


FRONT ELEVATION
Quik-Trim System

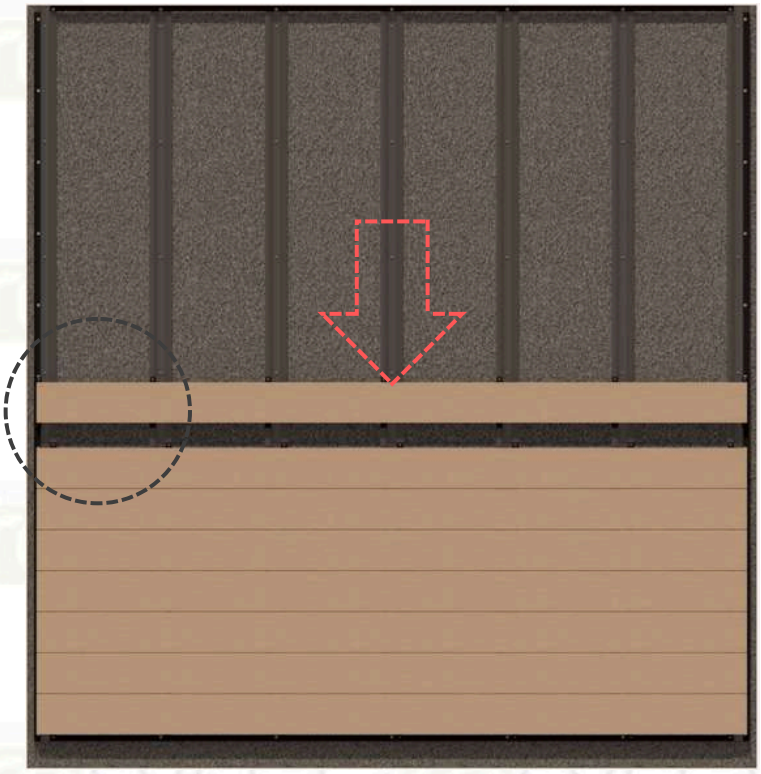
STEP 7.4

Continue installing cladding boards, slide in the wall cladding board next to the installed board, and secure it by installing the HF long clip on the battens using screws.





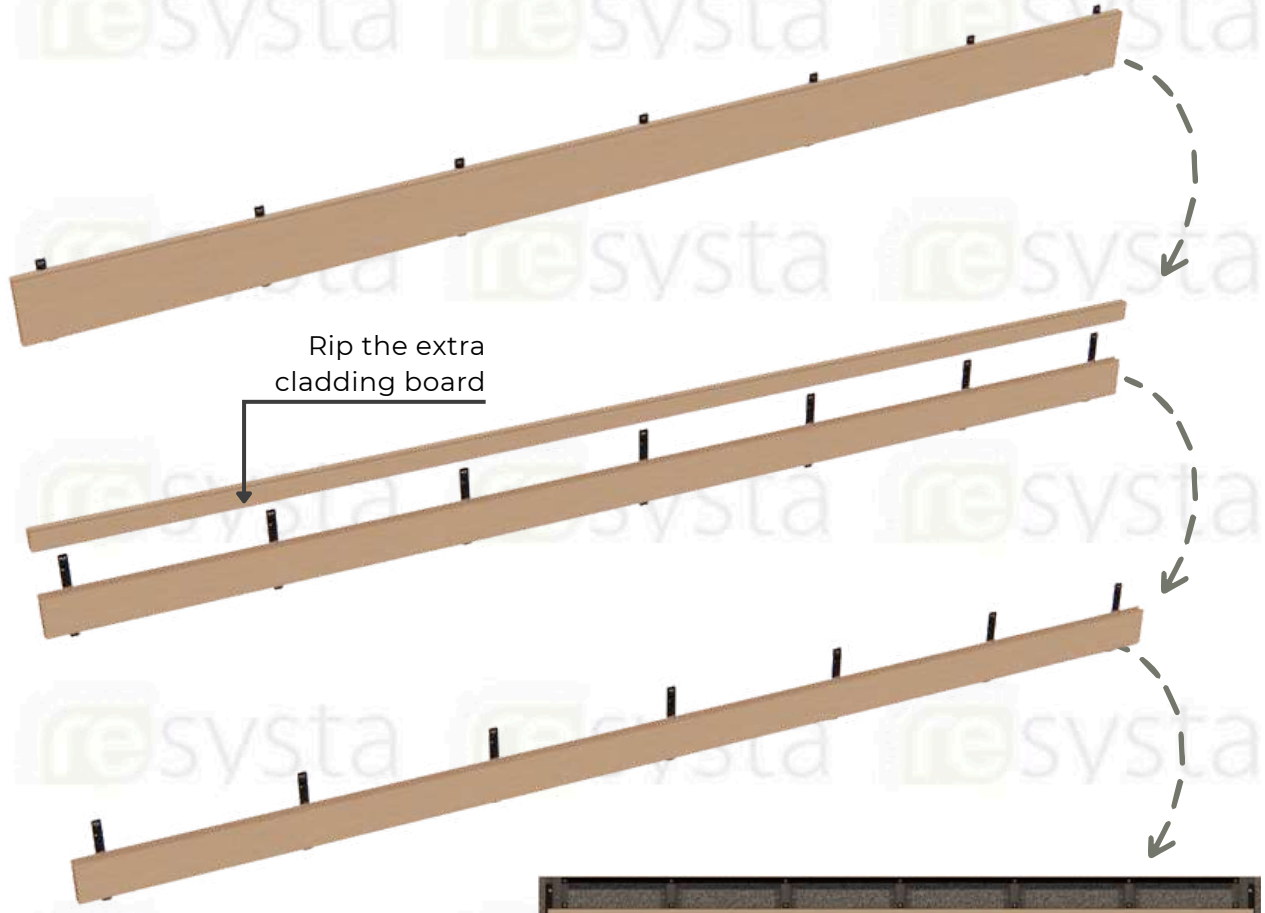
Maximum distance of 1" from the center of the HF-clip to the end of the board.



FRONT ELEVATION
Quik-Trim System

STEP 7.5

Rip the last wall cladding board into size and modify the HF long clip.



FRONT ELEVATION
Quik-Trim System

STEP 7.6

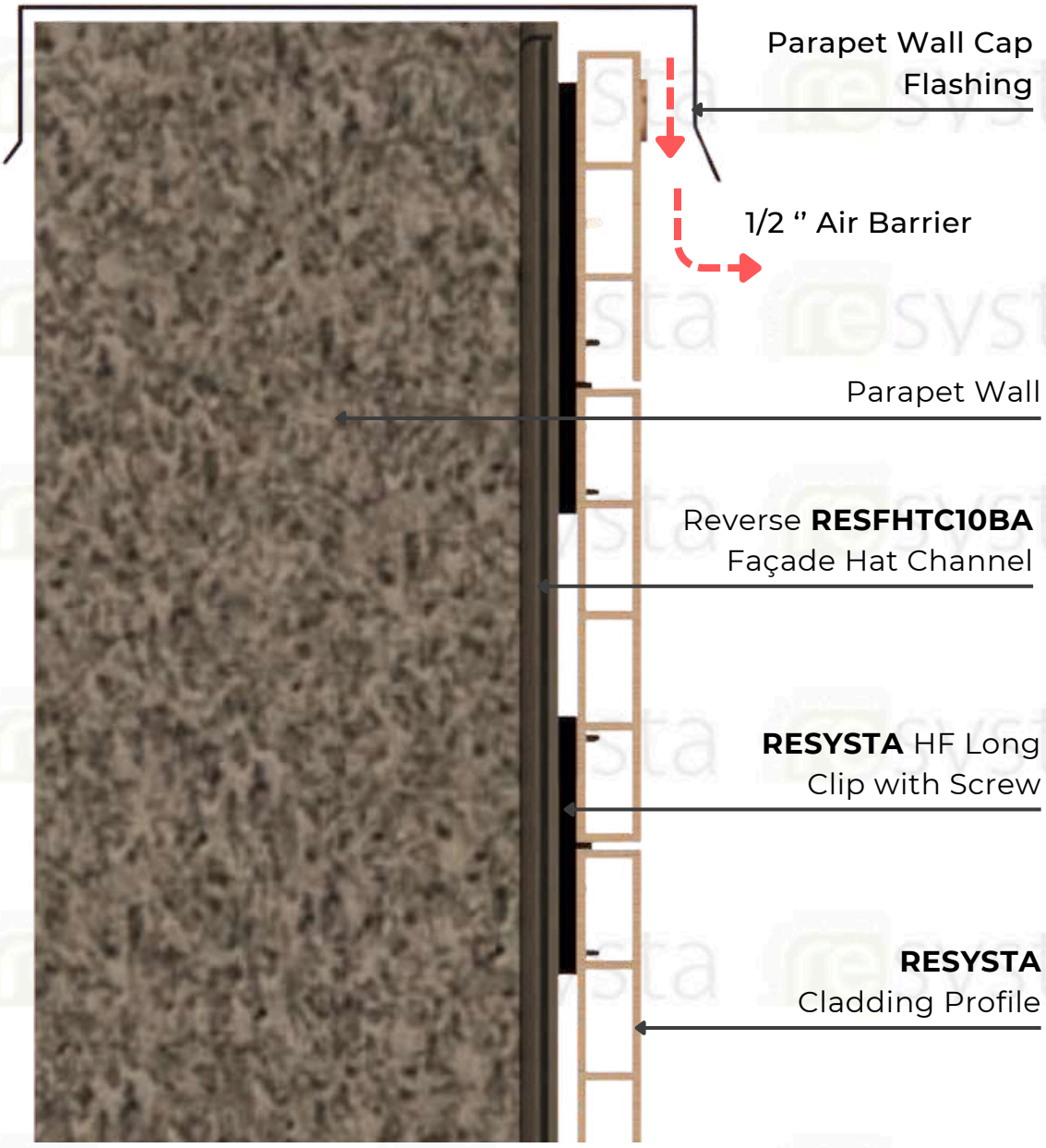
Provide a pre-drilled hole in the front and back face of the last cladding board as per the diagram. Install the modified HF long clip in every Hat Channel where the holes are located. To finish the installation follow STEPS 3.10 and 3.12 of Section 3.

ISOMETRIC DETAILS
Quik-Trim System

SECTION 8 – 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 Resysta wall cladding.

Air flow must be able to release at the top of the construction. For that reason a ½" gap between the top of the Resysta wall cladding board and the Parapet Wall Cap Flashing is necessary. The same size gap is needed between the face of the Resysta wall cladding board and the Parapet Wall Cap Flashing. This should also be followed when using the J channel at the top of the wall.

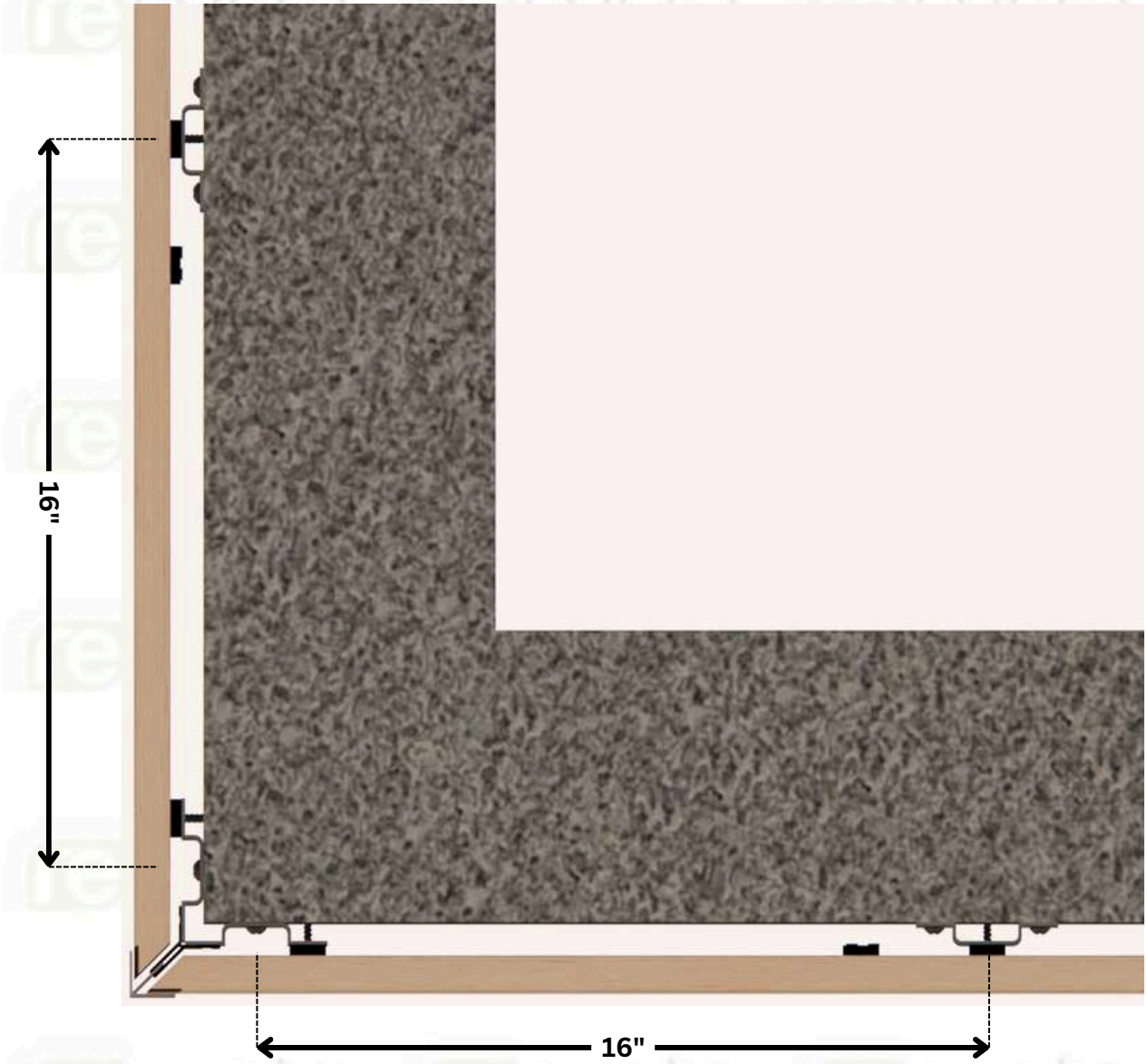


SECTION
Quik-Trim System

SECTION 9 – Quik-Trim Finishing

HORIZONTAL OUTSIDE CORNERS

The Quik-Trim PVC base should be pre-applied before installing cladding boards. The starter J-strip for the first board should be installed butted against the Quik-Trim PVC base. The cladding 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 cladding board to allow for expansion and contraction on the corners. Install horizontal cladding 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 cladding 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

Reverse **RESFHTC10BA**
Façade Hat Channel

RESYSTA
Cladding Profile

Quik-Trim
Outside Corner PVC base

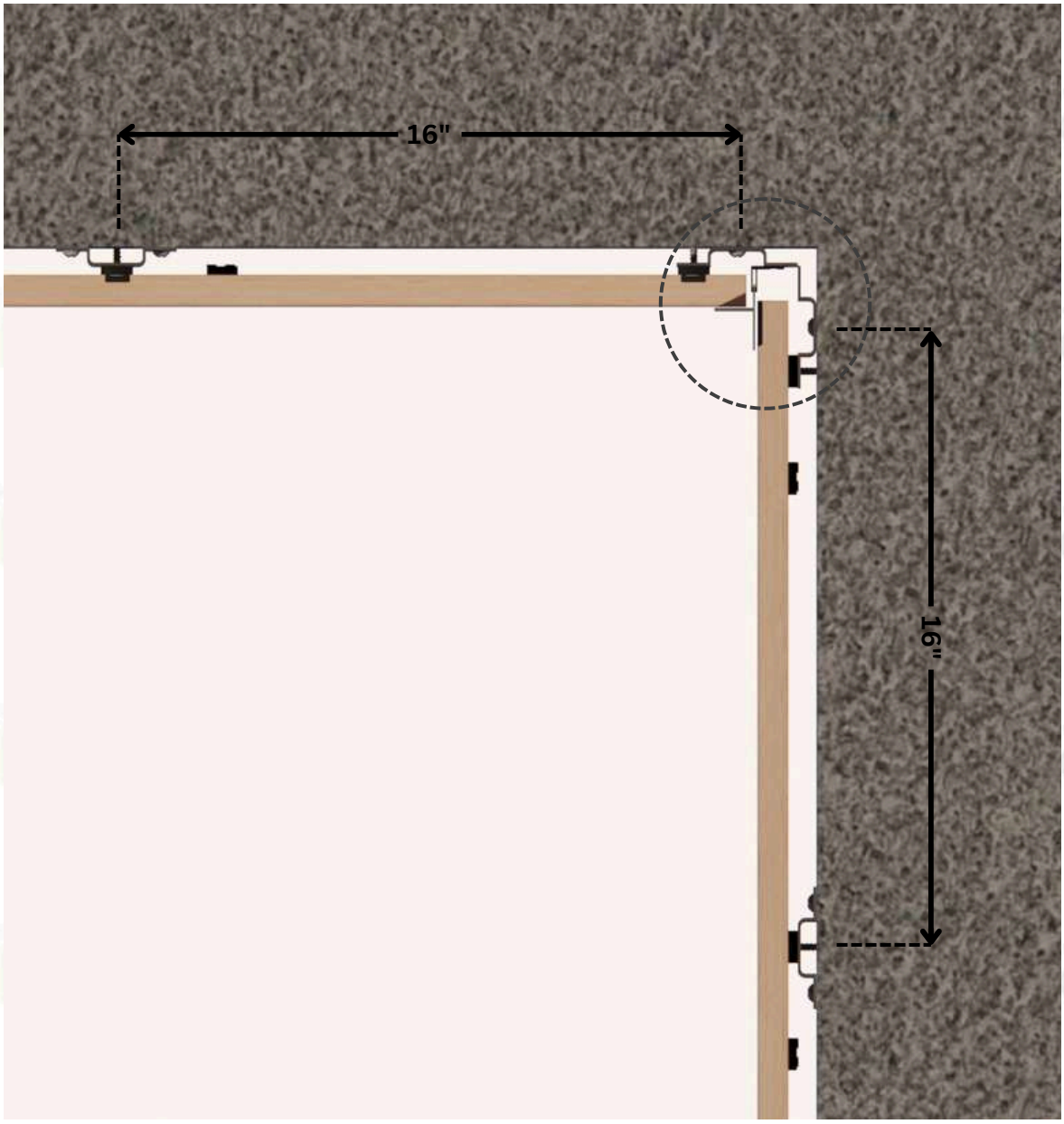
QTOC10
Quik-Trim Outside Corner

TOP VIEW Outside Corner
Quik-Trim System

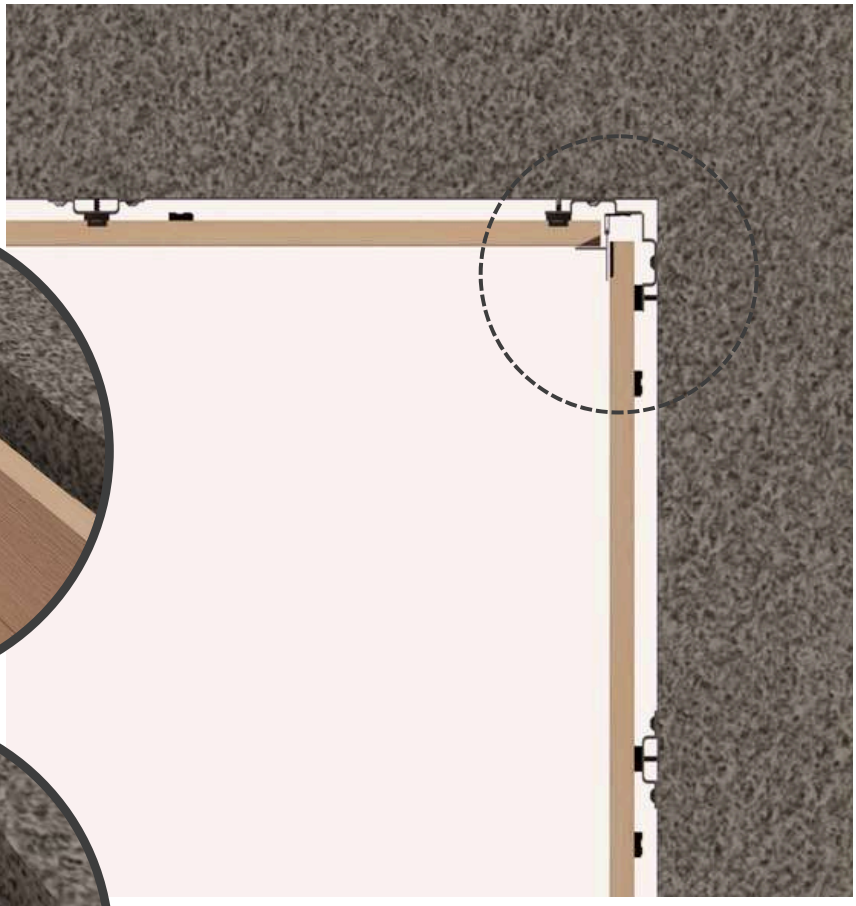
To finish the outside corner install the OCM aluminum trim on the outside corner PVC base.

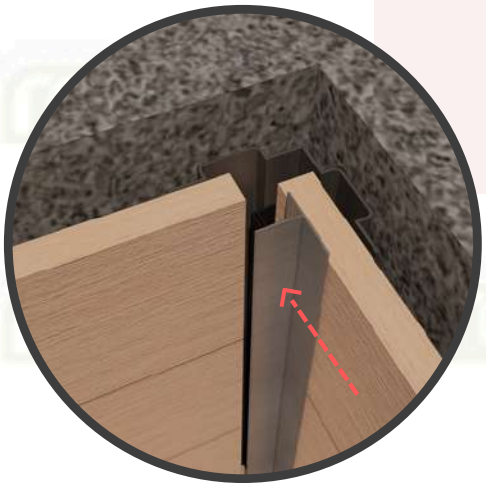
HORIZONTAL INSIDE CORNERS

The Quik-Trim PVC base should be pre-applied before installing cladding 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 cladding board to allow for expansion and contraction on the corners. Install horizontal cladding 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 cladding board snap-on the inside corner mold ICM into the Quik-Trim PCV base to finish the outside corner.

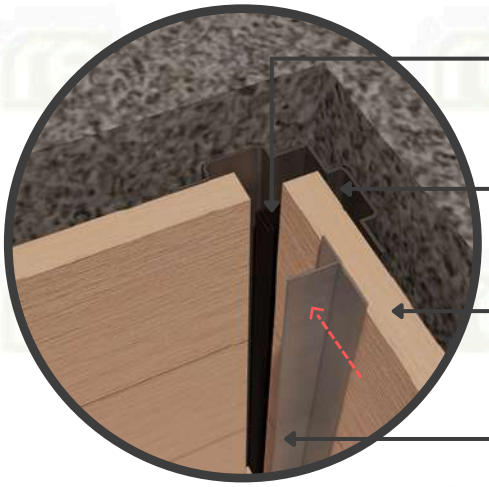


TOP VIEW Inside Corner
Quik-Trim System





TOP VIEW Inside Corner
Quik-Trim System



Quik-Trim PVC base

Reverse **RESFHTC10BA**
Façade Hat Channel

RESYSTA
Cladding Profile

QTIC10
Quik-Trim Inside Corner

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

III. SAFETY WARNING

Resysta® 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.

Please direct product inquiries to:

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