



SIDING-MASTER™

VINYL SIDING ATTACHMENT & ALIGNMENT SYSTEM™
 & OVERHANG ATTACHMENT & ALIGNMENT SYSTEM™

INSTALLATION INSTRUCTIONS

Overview.....	2
SIDING-MASTER™ Strip Diagram.....	4
How to cut strips for length.....	4
Accessory Diagrams.....	5
How to (and how not to) bend fingers and hands.....	5
Quick Reference Guide.....	6
1.0 Preparation and Strip Installation.....	7
2.0 Spacing Strips at 24" OC.....	7
Stacking Strips for Peaks and 2-story Structures.....	7
3.0 Aligning Strips.....	8
4.0 Inside Corner Installation.....	8
5.0 Outside Corner Installation.....	9
6.0 Small Wall Span Installation.....	9
7.0 FAST-START™ Starter Strip Installation.....	9
Overlapping Starter Strip/Foundation Cap.....	10
8.0 Siding Installation.....	11
9.0 Siding Panel Replacement.....	11
10.0 FAST-FINISH™ Trim Adaptor Installation.....	12
Top Panel Installation.....	12
Installation Under Openings.....	13
Block Wall and Stucco Installation.....	13
11.0 Overhang Attachment & Alignment System™.....	13
Preparation and Assembly.....	13
Wide Overhang Installation.....	15
Porch Ceiling Installation.....	16
Installation with Foam Inserts.....	16
12.0 Vertical Siding Installation.....	17
13.0 New Construction Installation.....	17
Peak Installation on New Construction.....	17
14.0 FULLBACK® Thermal Support System Installation.....	18
15.0 Special Notes.....	18

OVERVIEW & PREPARATION

Please read the SIDING-MASTER™ Vinyl Siding Attachment & Alignment System™ installation instructions in its entirety before beginning installation!

The SIDING-MASTER™ Vinyl Siding Attachment & Alignment System™ is engineered to be installed on 16" OC to 24" OC. It is not necessary to attach the strips into studs. It is required that the strips be screwed onto a solid substrate.

SIDING-MASTER™ tools needed:

- | | |
|--|---|
| 1. SIDING-MASTER™ tool | 8. 3" drill bit/drill bit extension for #8 screws |
| 2. Cutting saw or sheet metal snips | 9. Zipper tool |
| 3. Chalk line & Marker | 10. MALCO snap-lock punch |
| 4. 2' Level | 11. Nail slot punch |
| 5. 2' L-square | 12. Utility knife |
| 6. Cordless Drill with Phillips drill bit & Phillips extension drill bit | 13. Hammer |
| 7. Depth driver attachment for drill | 14. Tape Measure |

Overhang Tools Needed:

1. Two saw horses
2. Two 8' x 3/4" boards
3. Two SIDING-MASTER™ blank rails
4. Four clamps
5. 3/4" screws

SIDING-MASTER™ materials needed:

1. SIDING-MASTER™ Attachment & Alignment strips
2. SIDING-MASTER™ Overhang Attachment & Alignment strips
3. FAST-START™ Starter Strip/Foundation Cap
4. FAST-FINISH™ Trim Adaptor
5. Screws (1-1/2", 2" & 3" galvanized wood screws)
6. Masonry screws (2-1/4" & 3-1/4" inch #10) for block wall & stucco installation

***Optional* Insulation System materials needed:**

1. FULLBACK® Thermal Support System with Channel-Cut Technology™
2. FULLBACK® Accessories - Refer to SIDING-MASTER™ Catalog

BEFORE YOU INSTALL

These installation instructions are meant to address the SIDING-MASTER™ Vinyl Siding Attachment & Alignment System™ & Overhang Attachment & Alignment System™ and its accessories. Included in these instructions are the most common field applications for vinyl siding.

Refer to the manufacturer's written installation instructions for the panel you use with this system and the current Vinyl Siding Institute's (VSI) written vinyl siding installation manual for direction on all other matters dealing with the installation of vinyl siding that do not relate to this system or its components.

According to the VSI written installation manual, vinyl siding should be installed over a continuous weather-resistant barrier to stop the intrusion of incidental water. Refer to the local building code official for area requirements.

Please install all siding panels in accordance with the recommended materials for installing siding with the SIDING-MASTER™ Vinyl Siding Attachment & Alignment System™. If any portion of the siding panels are installed without the SIDING-MASTER™ strips, the warranty on those siding panels will be null and void. This warranty does not include any siding panels installed with a combination of SIDING-MASTER™ strips and its accessories and any other type of fasteners.

WALL AND MATERIAL PREPARATION FOR NEW CONSTRUCTION

On new construction where there is NOT a solid substrate being used such as OSB or plywood, steel strips MUST be attached onto the studs. A rigid sheathing such as insulation or fiber board that provides a flat surface must be applied first. These are not solid substrates. Do not apply vinyl siding or SIDING-MASTER™ strips directly onto studs. Note: When installing on 16" OC, approximately 33% more strips will be needed.

On new construction, attach SIDING-MASTER™ strips every 16" onto studs. Some new construction has 24" spacing and some has 12" spacing. Space the strips at 24" spacing when possible to reduce cost of materials. On new construction where a solid substrate is used, screw strips directly onto the studs and space every 24".

OVERVIEW & PREPARATION

WALL AND MATERIAL PREPARATION FOR EXISTING WALLS

Please check over walls before beginning installation of vinyl siding. Nail down any loose boards of existing siding to provide a flat surface. Some walls may have rotted or warped siding that will need to be removed and replaced with a solid substrate or shimmed out to correctly install the SIDING-MASTER™ strips. Please refer to the current VSI Vinyl Siding Installation Manual for wall preparation.

The SIDING-MASTER™ strips (when installed over insulation or existing siding or when not installed with Channel-Cut foam) will build out the wall an extra 1/4". When ordering corner post & J-channel for 3/4" panel projection vinyl siding, order wider J-channel and corner post, if available, to compensate for 1/4" build out. If wider channel and corner post are not available, order 3/4" channel and corner post & 5/16" foam Easy-Shims to build out J-channel around windows & doors, and super corners, 5/16" foam filled corners to build out corners. For 3/8" & 1/2" panel projection siding, order 3/4" wide J-channel & 3/4" wide corner post.

- * **Install trim adaptor before strips; it will be much easier to slide strips up into trim adaptor.**
- * **When cutting vinyl siding, ensure free movement on siding panels by cutting back at least 1/4" away from all channels and openings. If installing in temperatures below 40° F, allow 3/8" space.**
- * **On rare occasions, if a finger on the SIDING-MASTER™ strip does not have a 1/4" or more space on both sides of finger after centering finger into nail slot, use a nail slot punch to widen the nail slot to allow 1/4" area on both sides of finger.**
- * **When applying the system over asbestos siding, remember to follow regulatory guidelines regarding asbestos related building materials.**
- * **Refer to siding manufacturer's installation instructions.**

MAINTENANCE OF VINYL SIDING

Please follow your vinyl siding manufacturer's cleaning and maintenance instructions. Failure to comply with those guidelines will null and void the SIDING-MASTER™ guarantee on vinyl siding.

STORAGE AND TRANSPORTATION

Upon delivery of SIDING-MASTER™ Vinyl Siding Attachment & Alignment strips and accessories, please follow these guidelines:

- * Store the boxes on a flat surface and make certain the entire length of the box is supported.
- * Keep the boxes moisture free.
- * Store the boxes safely away from areas where damages may occur from falling objects or other construction hazards.
- * Do not stack more than six boxes high.
- * Avoid storing boxes in temperatures that may exceed 130° F, in places such as an uncirculated tarp or plastic wrap or blacktop pavement in excessive heat.

Disclaimer: A-tech is not liable or responsible for any accident and/or injury caused by the use of the SIDING-MASTER™ Vinyl Siding Attachment & Alignment System™ and/or its accessories.

Safety notice: Always wear eye protection and gloves when working with this system or sharp metal to prevent injury. Be sure to avoid overhead electrical wires and other job site hazard areas.

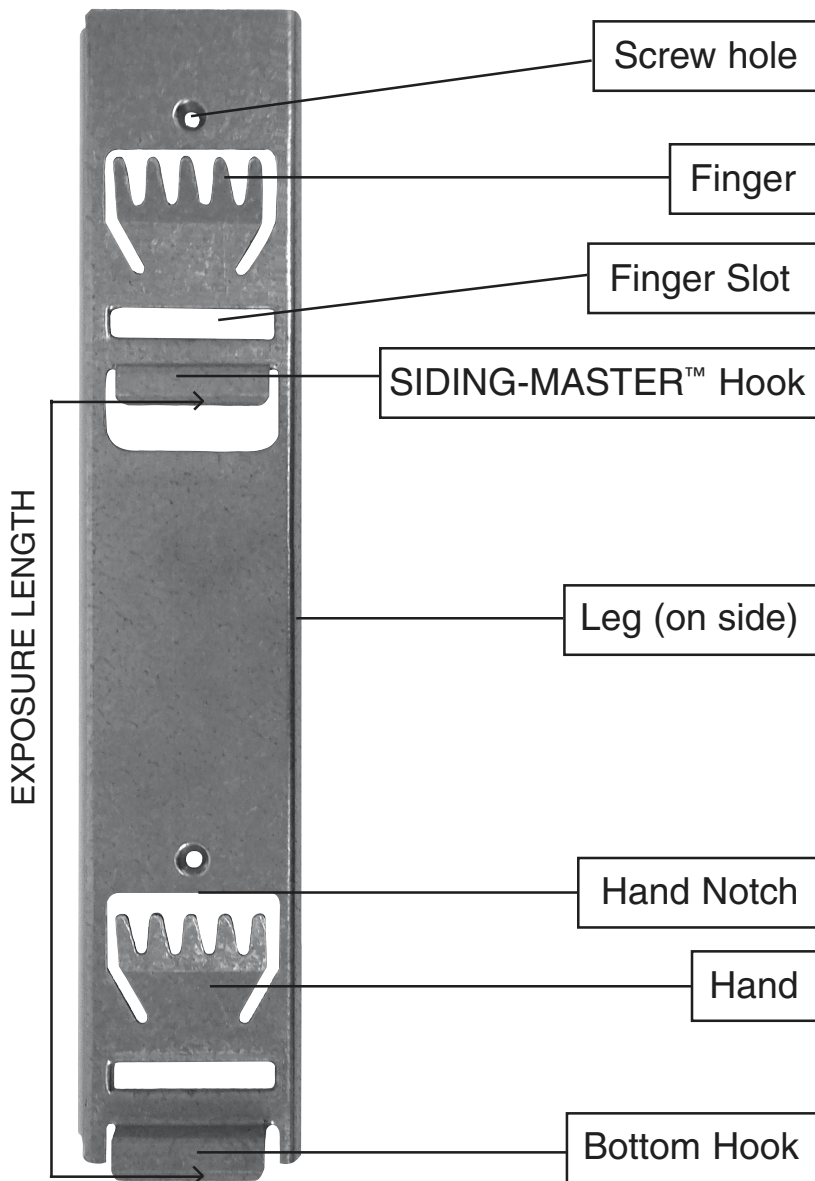
IMPORTANT: Install the SIDING-MASTER™ system and all accessories in strict accordance with these written installation instructions. Failure to do so will **NULL AND VOID** the SIDING-MASTER™ written warranty.

Call toll-free 1-800-233-8265

Installation Customer Service: Monday - Friday, 7 AM to 5 PM EST

© SIDING-MASTER™ 2003 all rights reserved

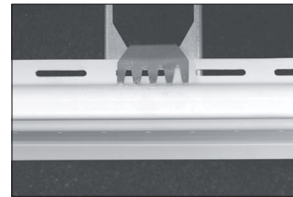
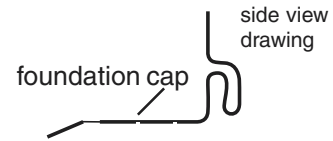
STRIP DIAGRAM and ACCESSORIES



ACCESSORIES

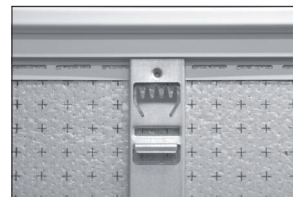
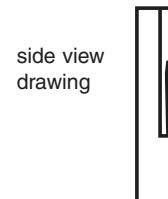
FAST-START™

Starter Strip/Foundation Cap
[.050" PVC]

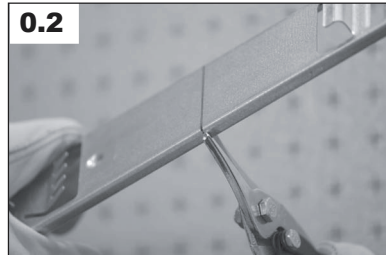
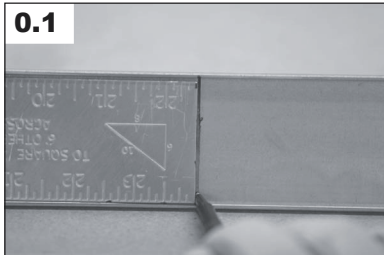


FAST-FINISH™

Trim Adaptor
[.050" PVC]



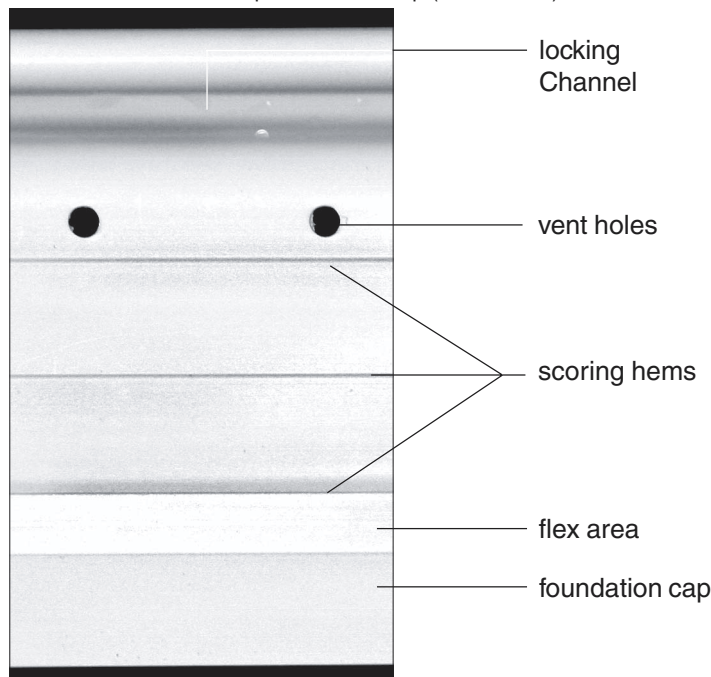
HOW TO CUT STRIPS FOR LENGTH



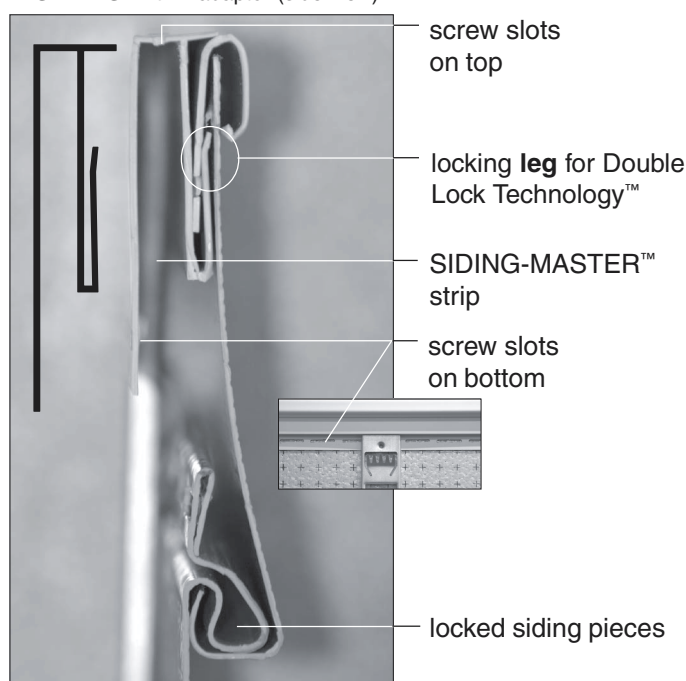
- 0.1** When cutting the strip to length, mark strip on back.
- 0.2** Nip both sets of legs on strip with sheet metal snips. Note: Sheet metal snips or cutting saws with a metal cutting blade create a wipe coating over the cut edge of galvanized metal. Bending strip back and forth until breakage will NOT create wipe and **WILL null and void the SIDING-MASTER™ warranty.**
- 0.3** Bend strip and finish the cut. If using a cutting saw, slice through strip cleanly on mark.
Trim off any burrs on cut edge to allow for proper expansion and contraction of FAST-FINISH™ trim adaptor.

ACCESSORY DIAGRAMS

FAST-START™ Starter Strip/Foundation Cap (bottom view)

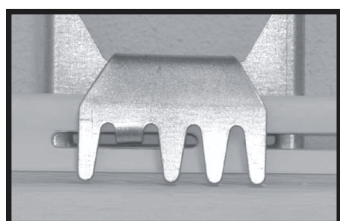


FAST-FINISH™ trim adaptor (side view)

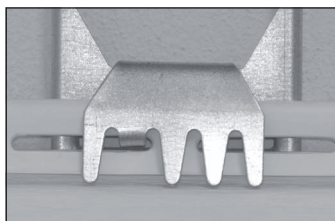


HOW TO (and HOW NOT TO) BEND FINGERS and HANDS

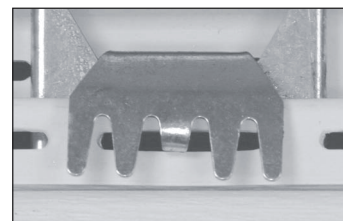
IMPORTANT: Use the SIDING-MASTER™ tool and follow these instructions on attaching siding, bending finger, folding hand and pushing in hand very carefully. **Failure to follow these instructions will null and void the SIDING-MASTER™ warranty.** Five of these photos are examples of how NOT to bend the fingers and hands on the SIDING-MASTER™ strip. The SIDING-MASTER™ tool was designed to avoid these problems associated with using other tools to bend the fingers and hand. **IMPORTANT: The first 3 photos are used with the SIDING-MASTER™ tool. The last 3 photos are caused by not using the SIDING-MASTER™ tool.**



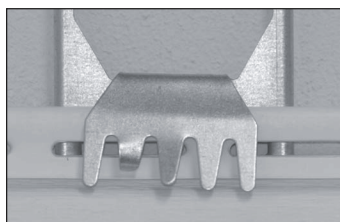
RIGHT! Hand is bent straight down, finger is not touching nail slot of siding, finger is centered in nail slot on siding panel, and finger is going down into nail slot on siding.



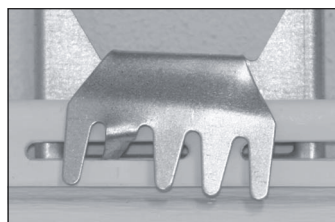
WRONG! The bent finger is not centered in the middle of the nail slot on siding.



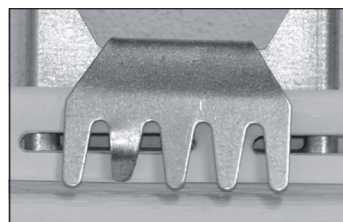
WRONG! Wrong slot is used on the tool. Finger is touching the bottom of nail slot and it restricts free movement.



WRONG! Finger is bent incorrectly and it does not insert into the nail slot.

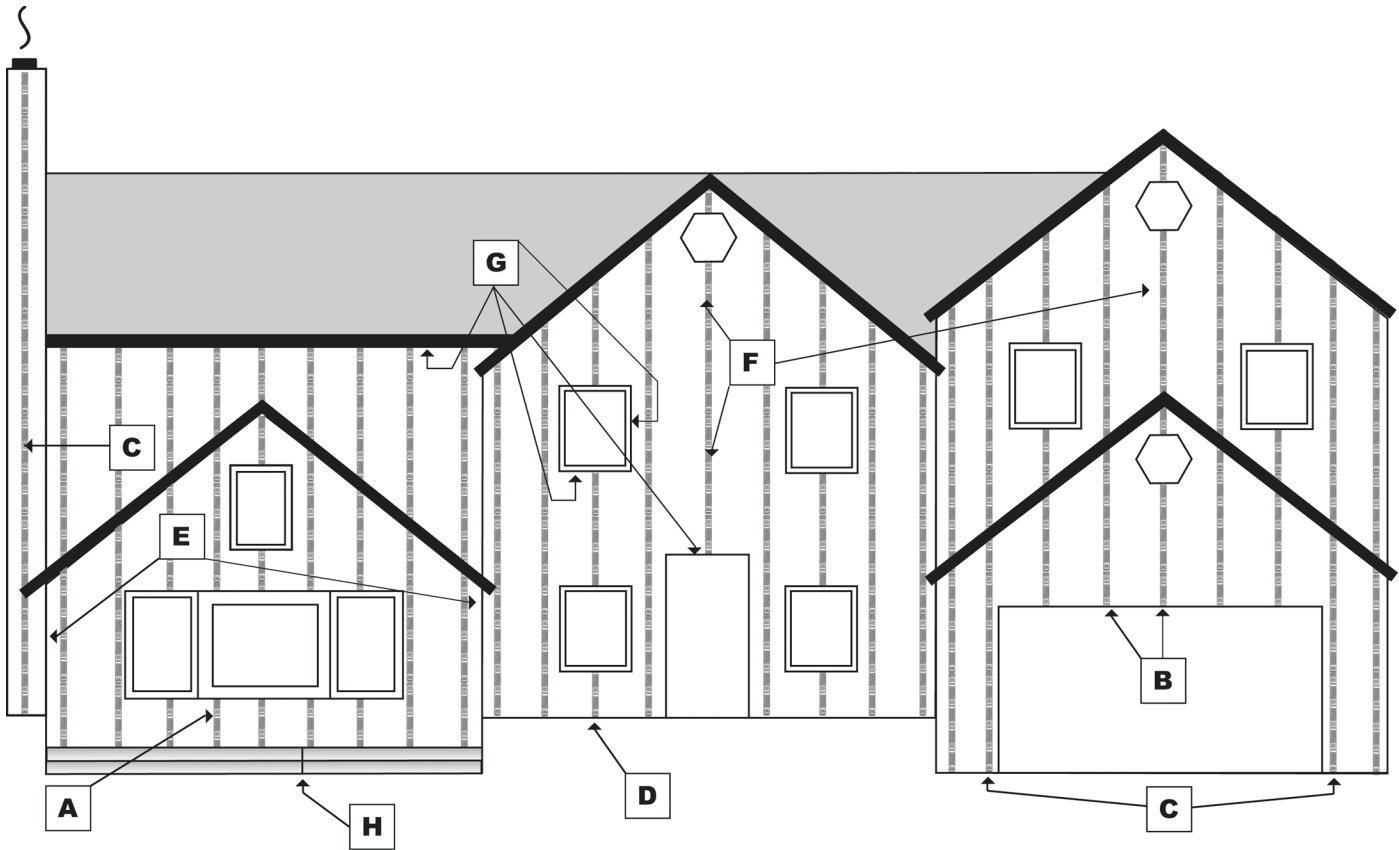


WRONG! Hand is crooked and finger is bent incorrectly.



WRONG! Hand is crooked and finger is not bent at 90° angle. Finger is not inserted into nail slot on siding.

QUICK REFERENCE GUIDE



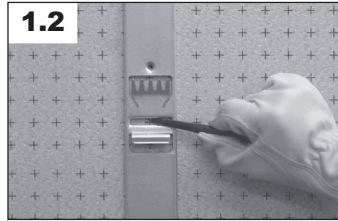
- A** Chalk line below windows to start. Line up chalk line at the top of the finger slot. Mark a vertical line at a 90° angle every 16" to 24" depending on layout of installation. Use a 2' L-square. Repeat this process to install all the strips. (See section **1.0**)
- B** Space strips every 24" on center (OC) on walls (Do not exceed the 24" spacing). Some strips may be placed 16" to 24" depending on the installation, such as underneath windows. Attach strips with screws into every other screw hole on the strip. (5-6 screws depending on the exposure height of vinyl siding and length of strip that is used.)
Note: Do not overtighten screws. This will cause a wavy appearance on the vinyl siding. (See section **1.0**)
- C** Place one strip in the middle of short span walls up to 12" wide. Attach two or more strips onto wall spans 12" - 24". Add additional strips if the span exceeds 28". (See section **2.0**)
- D** Install the FAST-START™ Starter Strip/Foundation Cap onto the bottom hook on strips. Bend entire hand of SIDING-MASTER™ strip down over the nailing hem of the FAST-START™ Starter Strip/Foundation Cap. (See section **7.0**)
Note: Do not bend finger down into slot on starter strip. Starter strip needs up and down movement to lock into siding.
- E** Place strips 3" - 6" in from corners to allow room for the corner post to be installed. (See section **4.0**)
- F** Stack (8') 8" exposure strips for multiple stories and peaks. Offset (8') 9" & 10" and (9') 8", 9" & 10" exposure strips for multiple stories and peaks. Center the strip in the middle of the peaks. (See section **2.0**)
- G** Install the FAST-FINISH™ Trim Adaptor for top panels, underneath windows, on top of ledges and decks. For block wall and stucco applications use trim adaptor around windows, doors, gables and ledges. (See section **10.0**)
- H** Stay within 6" on either side of a strip when overlapping vinyl siding. (See figures **8.7** & **8.8**)

1.0 Preparation and Strip Installation

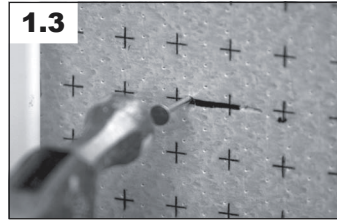
1.1



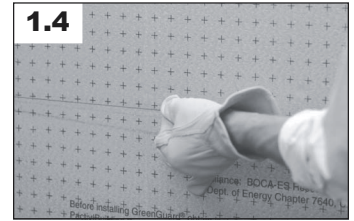
1.2



1.3



1.4

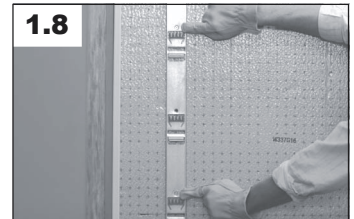
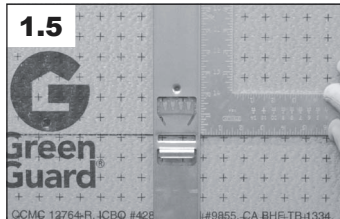


1.1 Assemble two 6" pieces of siding {1 for bottom of strip and 1 for the top of strip with siding locked into the utility trim and trim adaptor (See section **10.0**)}, one 6" piece FAST-START™ Starter Strip, and one 6" piece FAST-FINISH™ Trim Adaptor onto a 8' or 9' strip. Use this strip to find the starting point on all walls. Begin laying out the installation of strips by starting at the lowest point on structure.

1.2 Mark wall (below windows) along the top of the finger slot on strip for chalk line on the 3rd or 4th clip position from the bottom of SIDING-MASTER™ strip.

1.3 Place a nail in the center of mark for chalk line. Repeat steps **1.1** & **1.2** on opposite side of the wall.

1.4 Attach chalk line to nails and snap to make mark.



1.5 Place a strip into position with chalk line, lining up with top of finger slot. Use an L-square to align strip at a 90° angle from the chalk line.

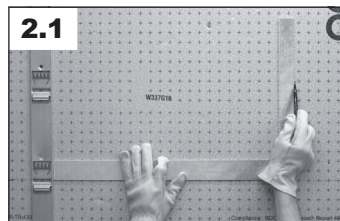
1.6 Check for straight vertical alignment with a level.

1.7 Screw strip onto wall on hook position above chalk line. Use a depth driver to prevent overtightening. Note: Overtightening screws may cause wavy, warped siding.

1.8 Attach remaining screws into strip every other screw hole, starting from the first screw hole above the first hook position. Note: Always install screw at top hook position and bottom hook position.

2.0 Spacing Strips at 24" OC (on center)

& Stacking Strips for Peaks and 2-story structures



2.1 Use 2' L-square to measure & mark 24" spacing.

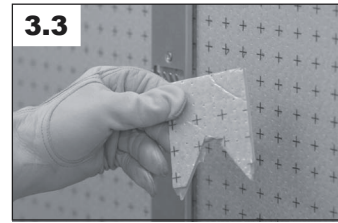
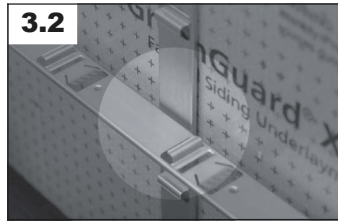
2.2 Repeat steps **1.1** - **1.8** to install the rest of the strips on all walls of the structure.

STACKING STRIPS FOR PEAKS AND 2-STORY STRUCTURES

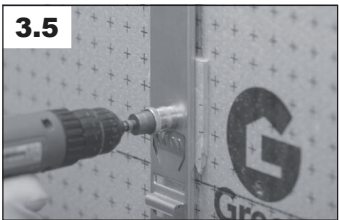
2.3 Stack (8') 8" exposure SIDING-MASTER™ strips end to end, so that there is 8" between the bottom of hook on the top strip and the bottom of hook on the bottom strip. Check distance with a tape measure and make mark. Then check distance with a piece of siding.

2.4 Offset (8') 9" & 10" and (9') 8", 9" & 10" exposure strips to install next layer of strips for 2-story structures and peaks. Line up strips horizontally by placing a piece of siding onto both strips. Position strips so top of hand notch is lined up with the other in a straight line.

3.0 Aligning Strips

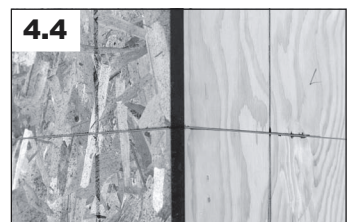
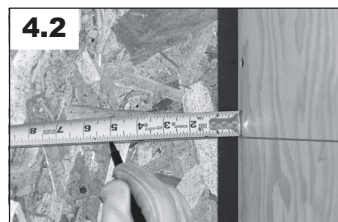


- 3.1** Please check over walls before beginning installation of vinyl siding. Nail down any loose boards of existing siding to give a flat surface. Some walls may have rotted or warped siding that will need to be removed and replaced with a solid substrate or shimmed out to correctly install the SIDING-MASTER™ strips. Place a full SIDING-MASTER™ strip on its side to check for dips and bows on entire wall. Place the strip horizontally flush against attached strips.
- 3.2** Notice the gap between the attached strip and the horizontal strip. The attached strip is not flush with the other attached strips and must be shimmed out to remove horizontal dip.
- 3.3** If a horizontal dip is present, cut piece of foam to shim.
- 3.4** Place a loose strip on its side flush against installed strip to check for vertical dip. Notice a bow between the attached strip and the loose strip. Repeat step **3.3** to shim out the bow.



- 3.5** Place foam under strip and back out the screw until dip is gone.
- 3.6** Use a strip on its side to verify if strip is now vertically and horizontally straight.

4.0 Inside Corner Installation



- 4.1** Measure in 3" - 6" out from the inside corner on the chalk line and make a mark at a 90° angle to the established chalk line. Refer to section **1.0**.
- 4.2** Repeat step **4.1** on opposing wall of the corner.
- 4.3** Line up SIDING-MASTER™ strip at a vertical 90° angle from chalk line. Draw a vertical line on the wall flush against the strip for vertical alignment.
- 4.4** Repeat step **4.3** on opposing wall of inside corner.

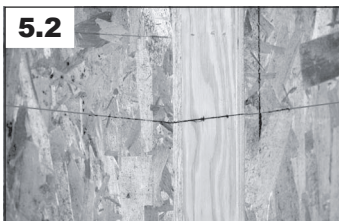


- 4.5** Attach strips following steps **1.5** to **1.8**.
- 4.6** Install two pieces of J-channel or inside corner post according to VSI Manual.

5.0 Outside Corner Installation



5.1 Line bottom of L-square horizontally with chalk line. Draw a line 3" - 6" from outside corner for SIDING-MASTER™ strip alignment. Refer to section **1.0** for attaching and aligning strips.



5.2 Mark opposing wall of outside corner in line with chalk line.



5.3 Make a vertical mark along the strip for vertical alignment.

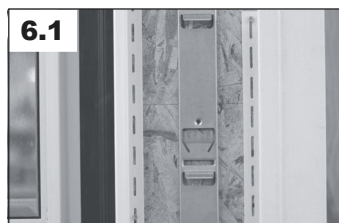


5.4 Attach strips on both sides of outside corner following steps **1.5** to **1.8**.



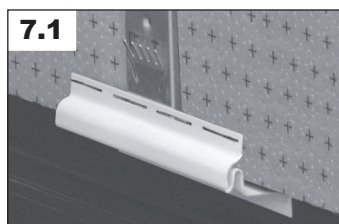
5.5 Install outside corner post according to VSI Manual. When ordering corner post & J-channel for 3/4" panel projection vinyl siding, order wider J-channel and corner post, if available, to compensate for 1/4" build out. If wider channel and corner post are not available, order 3/4" channel and corner post and super corners, 5/16" foam filled corners to build out corners. For 3/8" & 1/2" panel projection siding, order 3/4" wide J-channel & 3/4" wide corner post.

6.0 Small Wall Span Installation

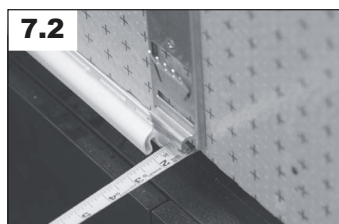


6.1 Install one strip in midpoint of spans up to 12". Use two SIDING-MASTER™ strips centered between spans of 12" - 24".

7.0 FAST-START™ Starter Strip/Foundation Cap Installation



7.1 Attach small section of starter strip to SIDING-MASTER™ strip and check for fit. (If foundation cap must be shortened in length, follow steps **7.2** - **7.4** to trim. If no adjustment is needed, move on to step **7.5**)



7.2 Measure from foundation out 1/8" past the front edge of bottom hook of SIDING-MASTER™ strip.

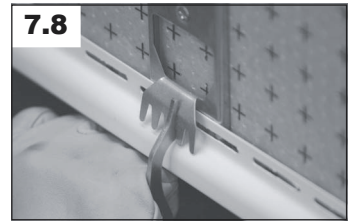
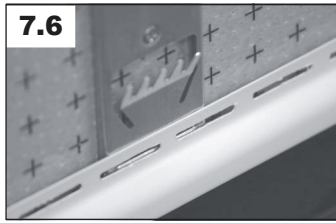
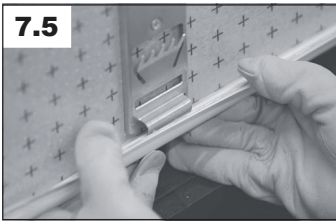


7.3 Transfer the measurement onto the foundation cap and score with utility knife across measured point.



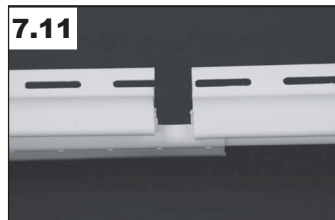
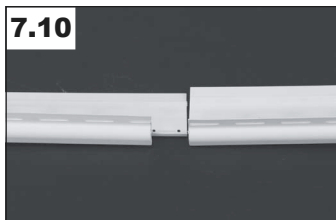
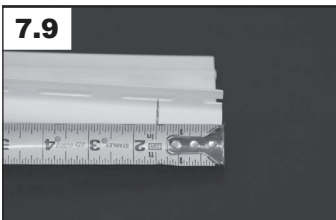
7.4 Remove excess foundation cap and discard.

FAST-START™ STARTER STRIP/FOUNDATION CAP cont...



- 7.5** Place the foundation cap of starter strip flush with wall. Pull back the hem on back of starter strip to hook onto SIDING-MASTER™ hook.
- 7.6** Snap starter strip onto bottom hook on SIDING-MASTER™ strip.
- 7.7** Insert SIDING-MASTER™ tool down into hand of strip on either side of middle finger.
- 7.8** Bend down the entire hand with tool. Note: Do not bend finger down into slot on FAST-START™ starter strip. Starter strip needs up and down movement to adjust for different siding panels.

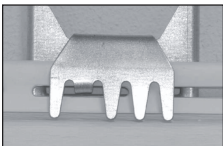
OVERLAPPING STARTER STRIP/FOUNDATION CAP



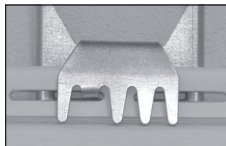
- 7.9** Measure 1-1/2" from the end of FAST-START™ Starter Strip/Foundation Cap and make mark.
- 7.10** Cut notch in one strip, while leaving the foundation cap section for overlap of strips.
- 7.11** Slide the sections together, interlocking foundation cap sections on both strips.
Note: Leave 1/4" between sections and 3/8" if installing below 40° F.

How to (and how not to) bend fingers and hands

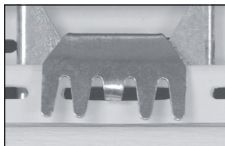
IMPORTANT: Please use the SIDING-MASTER™ tool and follow these instructions on attaching siding, bending finger, folding hand and pushing in hand very carefully. Failure to do so will null and void the SIDING-MASTER™ warranty. Five of these photos are examples on how NOT to bend the fingers and hands on the SIDING-MASTER™ strip. The SIDING-MASTER™ tool was designed to avoid these problems associated with using other tools to bend the fingers and hand. **IMPORTANT:** The first 3 photos are used with SIDING-MASTER™ tool. The last 3 photos are caused by not using the tool.



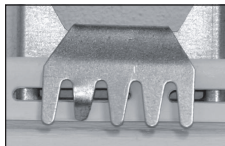
RIGHT!
Hand is bent straight down, finger is not touching nail slot of siding, finger is centered in nail slot on siding panel, and finger is going down into nail slot on siding.



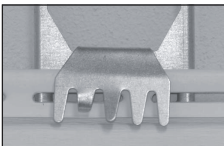
WRONG!
The bent finger is not centered in the middle of the nail slot on siding.



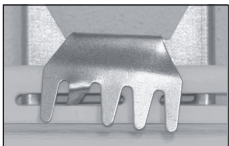
WRONG!
Wrong slot is used on the tool. Finger is touching the bottom of nail slot and it restricts free movement.



WRONG!
Hand is crooked and finger is not bent at 90° angle. Finger is not inserted into nail slot on siding.

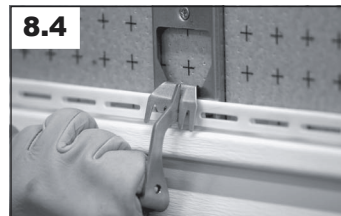


WRONG!
Finger is bent incorrectly and it does not insert into the nail slot.



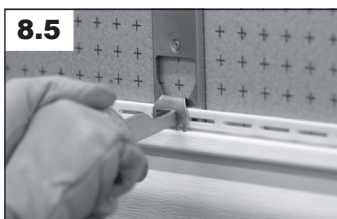
WRONG!
Hand is crooked and finger is bent incorrectly.

8.0 Siding Installation



IMPORTANT: When cutting vinyl siding, ensure free movement on siding panels by cutting back at least 1/4" away from all channels and openings. If installing in temperatures below 40° F, allow 3/8" space.

- 8.1** Lock panel onto SIDING-MASTER™ strip by installing siding panel at a downward angle. At the same time, pull back the back hem of the siding panel and lock the panel on the SIDING-MASTER™ hook. When inserting tool onto finger, make sure finger touches the end of the slot on the tool before bending.
- 8.2** Bend down the finger of strip that centers in the nail slot of siding at a 90° angle. Some panels may require bending past the 90° angle. Note: There are 2 slots on the SIDING-MASTER™ tool. These slots are for the different heights of nail slots on various siding panels. Test a small section of the siding, and bend over the finger of strip that centers in the nail slot on siding panel. **IMPORTANT:** Make sure the finger does not touch the top or bottom of the nail slot.
- 8.3** Insert the SIDING-MASTER™ tool down into hand on either side of middle finger, at an angle towards the center of the hand.
- 8.4** Bend down the entire hand. Pull downward to remove the SIDING-MASTER™ tool from hand. **IMPORTANT:** Bend hand of strip straight down.



- 8.5** Use the SIDING-MASTER™ tool to push hand of strip into the siding. **IMPORTANT:** If any nail slots are not wide enough to allow for that 1/4" minimum movement; use a nail slot punch to widen that nail slot. **Check the panel for proper movement.**
- 8.6** Follow steps **8.1** to **8.5** for the rest of siding courses.
- 8.7** Keep seams within a maximum of 6" on either side of strip.
- 8.8** Do not overlap the siding course above or below this overlap within 2' to the left or right of the existing overlap. Refer to VSI Manual.

9.0 Siding Panel Replacement



- 9.1** Use a zipper tool to unlock the siding panel above and below the damaged siding panel.
- 9.2** Remove the damaged siding panel by lifting up the SIDING-MASTER™ hand to remove the siding panel. Note: Only bend hand up enough to remove the siding panel. Do not bend all the way up to original position.
- 9.3** Cut the new siding panel, lining up nail slots from the old siding panel as a template for the new panel. This will allow the fingers that were positioned originally to line up in the center of all the nail slots.

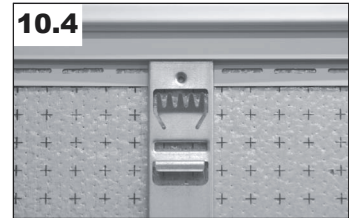
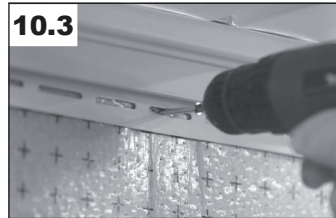
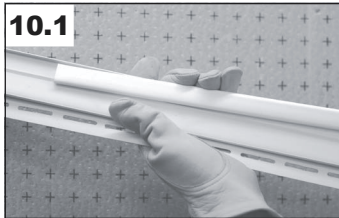
SIDING-PANEL REPLACEMENT cont...

cont... Lock new siding panel into place and fold down the hand of the SIDING-MASTER™ tool to push hand in as described in Section **8.0**.

9.4 Use the zipper tool to lock the siding panel above damaged panel to complete.

10.0 FAST-FINISH™ Trim Adaptor Installation

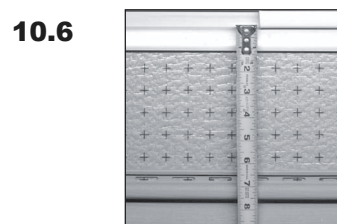
TOP PANEL INSTALLATION



The FAST-FINISH™ trim adaptor was designed to work with most utility trim and J-channel widths. Some utility trim and J-channel widths vary causing some to fit loosely in the trim adaptor or some may have too wide a width. Widths that are too large will have to be cut back to fit into trim adaptor. **Note: In order for the Panel Blow off Warranty to be in effect for the top panel, it is mandatory to follow these instructions exactly.**

Install any channel before installing the FAST-FINISH™ trim adaptor for top panel installation. When installing the top panel of vinyl siding and the panel projection will not work with a single utility trim; install the FAST-FINISH™ trim adaptor on top of the SIDING-MASTER™ strips with a single utility trim inserted, fill in with 1/4" insulation or 5/16" easy shims in between strips for build out. Attach with nails/screws every 8" - 12".

- 10.1** Cut FAST-FINISH™ trim adaptor and utility trim to length for under openings. Install utility trim by snapping it into trim adaptor. Note: Install trim adaptor under overhang and openings before installing strips by sliding SIDING-MASTER™ strips into trim adaptor, then attaching strips to the wall. An alternative method is to only attach 2-3 screws partly into the wall starting at the bottom; then slightly pull out strips from the wall to insert the trim adaptor (for top panel only). Note: Ensure free movement on trim adaptor by leaving at least 1/4" away from all channels and openings and between sections and utility trim. If installing in temperatures below 40° F, allow 3/8" space.
- 10.2** Finish attaching the rest of the SIDING-MASTER™ strips with remaining screws after trim adaptor installation. Place nails 8" - 12" on either side of strip. Do not nail tightly.
- 10.3** Screws may also be used to attach trim adaptor. Do not overtighten.
- 10.4** Both utility trim and J-channel can be installed together with trim adaptor.



- 10.5** Once trim adaptor and utility trim are in place and installed, follow steps **10.6** to **10.9** to complete top siding panel installation.
- 10.6** Hook tape measure onto the leg of the FAST-FINISH™ trim adaptor and measure down to the bottom of the locking channel on vinyl siding. Then add 5/8" to the height. Transfer this measurement onto the vinyl siding panel and cut. Note: Measure panel and snap lock placement so the top panel can move. Measure correctly or this can impede the movement on the top panel and under windows.
- 10.7** To hold top panel in place, use a Malco snap-lock punch. Crimp every 12" down along the front of siding panel with the crimper gauge set to the proper depth, approximately 5/8" of an inch.
- 10.8** Flip siding panel over and crimp in the reverse direction on the back of siding panel. Crimp in between front of panel crimps; space every 12". This creates Double Lock Technology™ which allows the siding panel to lock into the trim adaptor leg as well as the utility trim.



10.9 Slide crimped side of top panel up and lock into FAST-FINISH™ trim adaptor.



INSTALLATION UNDER OPENINGS

IMPORTANT NOTICE: Channel around all openings before installing FAST-FINISH™ trim adaptor. If a double utility trim is needed because the panel projection will not work with a single utility trim; install trim adaptor on top of the SIDING-MASTER™ strips with a single utility trim inserted and fill in with 1/4" insulation or 5/16" easy shims in between strip and both sides for build out. Attach with nails/screws every 8" to 12".

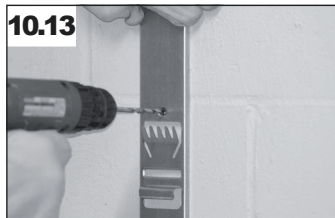
10.10 Nail trim adaptor under opening before installing strip under opening. Nail every 8"-12" on either side of strip.

10.11 Photo of finished small wall span and under opening strip installation.

BLOCK WALL AND STUCCO INSTALLATION



10.12 Align chalk line with top of the finger slot on the SIDING-MASTER™ strip and draw chalk line as in section 1.0.



10.13 Drill a pilot hole for masonry screw into block wall or stucco with an 1/8" masonry drill bit.



10.14 Attach the SIDING-MASTER™ strip with 3/16" masonry screw. Note: Do not overtighten screws.



10.15 Use a 3" or longer Phillips bit, or bit extension for #8 screw. Screw the trim adaptor onto the side of the window trim. Use #8 screws for this because nails will not fit inside channel. Attach screw every 8" to 12" along trim adaptor. Repeat this procedure around windows, doors and under trim board on peaks. Note: Anchor and position all channeling with 1 nail or screw by leaving a small section of nailing fin on exposed J-channel. This is for positioning only. Note: You can insert J-channel before or after you attach the trim adaptor to window/door trim or underneath window for the utility trim.

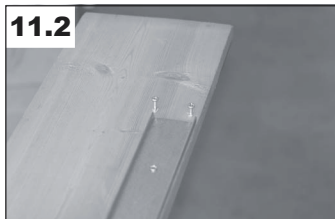
11.0 Overhang Attachment & Alignment System™

PREPARATION & ASSEMBLY: LAYOUT TABLE FOR OVERHANG ATTACHMENT

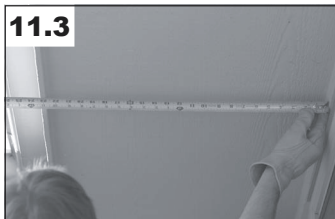
Materials needed: Two saw horses, two 8' X 3/4" boards, two SIDING-MASTER™ blank rails, four clamps, 3/4" screws. Note: You must use soffit channel for 1 strip narrow installations. Soffit channel is not necessary for 2 strip wide overhangs.



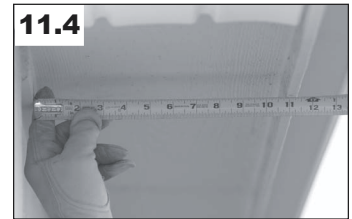
11.1 Attach SIDING-MASTER™ blank rails, 1" x 2" boards, or straight wood stock to 8' x 3/4" boards. Rail legs should face up and sides of rails should be flush along boards. Use 3 – 4 screws to attach blank strip.



11.2 Line up rails horizontally and vertically with each other by using a 2' L- square. Insert two 2" screws at ends of blank rails for stops on both boards.

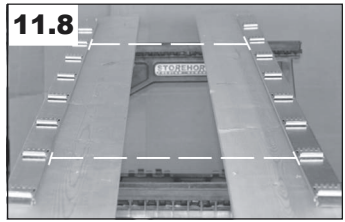
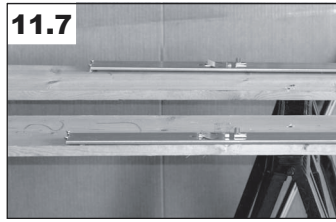
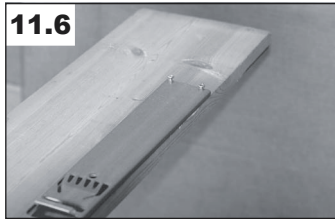


11.3 Take measurement for the overhang from the wall to backside of fascia board. Subtract 1/4" on each side for expansion and contraction. Wide overhangs over 12" - 30" wide require two strips.



11.4 Narrow overhang up to 12" wide uses one strip.

PREPARATION & ASSEMBLY cont...



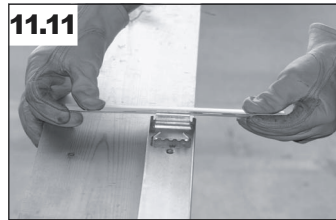
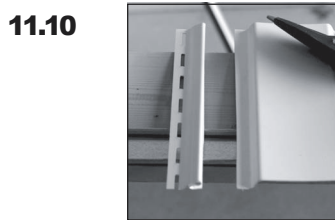
11.5 Place SIDING-MASTER™ Overhang Attachment & Alignment strip onto blank rail.

11.6 Place end of strip flush to stop in rail. Repeat step **11.5** if installing wide overhang with two strips.

11.7 Make sure both strips are lined up properly on table before installing vinyl overhang onto strips.

11.8 Screw or clamp down boards to saw horses so strips stay in the correct position.

Note: Set up strips to the desired overhang width. If installing wide overhang with two or more strips, attach strips to overhang piece 1-1/4" from each side. If installing narrow overhang with one strip, place strip in middle of overhang. Note: Soffit channel must be used.

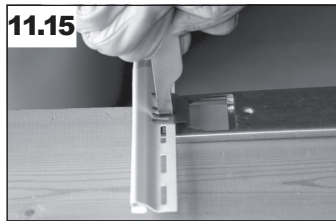
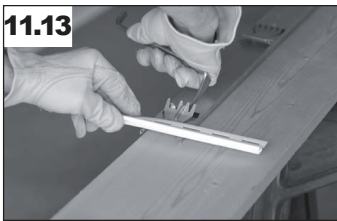


11.9 Cut a starter piece from overhang material for attaching to strip.

11.10 Make sure that the cut is flush with the locking hem.

11.11 Center the overhang starter piece in the middle. Attach starter piece onto first hook on SIDING-MASTER™ strip.

11.12 Bend down the finger with the SIDING-MASTER™ tool at a 90° angle centering the overhang nail slot.

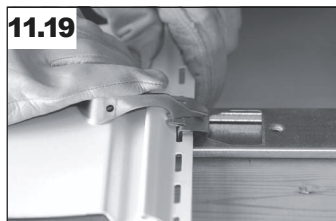


11.13 Insert the SIDING-MASTER™ tool down into the hand at an angle towards the center of the hand of the strip on either side of the middle finger.

11.14 Fold entire hand of strip straight down over nail slot and remove tool.

11.15 Push hand of strip into siding with opposite end of SIDING-MASTER™ tool.

11.16 Attach overhang material to overhang starter piece and to the hook on SIDING-MASTER™ strip.



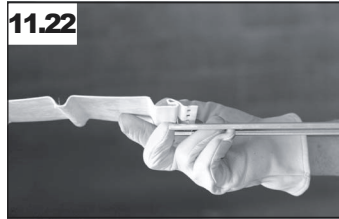
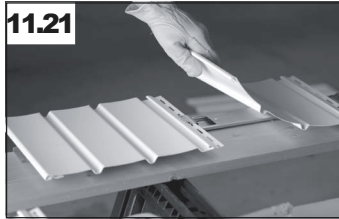
11.17 Bend the finger of strip that centers in the nail slot with SIDING-MASTER™ tool.

11.18 Insert the SIDING-MASTER™ tool down into the hand of SIDING-MASTER™ strip at an angle towards the center of hand on either side of the middle finger.

PREPARATION & ASSEMBLY cont...

11.19 Fold the entire hand of strip down over nail slot. Remove tool.

11.20 Push hand of strip in with opposite end of SIDING-MASTER™ tool.



11.21 Install the next overhang piece onto the overhang strip as described in steps **11.16** to **11.20**, but leave the piece unlocked.

IMPORTANT: Every other piece of overhang material is attached to the strip unlocked so you can screw SIDING-MASTER™ strips onto wood overhangs.

11.22 Start the next 8' section with the first overhang piece attached at the bottom of next strip. Repeat steps **11.16** to **11.21** to complete the preparation and assembly of the overhang attachment.

WIDE OVERHANG INSTALLATION

IMPORTANT: When assembling 8' section, measure in from each end 1-1/4" on both sides of vinyl overhang material. This is where the SIDING-MASTER™ strip will be attached to the vinyl overhang material. Refer to steps **11.9** - **11.20** for installing both strips.



11.23 Lift up in the center of the prepared 8' section of SIDING-MASTER™ overhang strips and overhang pieces.

11.24 Position 8' overhang section into place.

11.25 Loosely attach one screw onto one of the overhang strips in the middle of the section to temporarily hold the section in place.

11.26 At the end of the strip, measure 1-1/4" from the back of the fascia board to the edge of the strip for strip alignment; readjust temporary screw.



11.27 Attach strip into overhang with screws. Do not overtighten screws.

11.28 Measure the opposite strip closest to wall as described in step **11.26**.

WIDE OVERHANG INSTALLATION cont...

11.29



11.30



11.31



11.32



11.29 Attach the strip into overhang with screws. Do not overtighten screws.

11.30 Adjust the first screw that was used to hold up the section in step **11.25** for alignment.

11.31 Repeat steps **11.26** to **11.29** on the opposite end of 8' section to finish strip alignment.

11.32 Install the remaining screws on both strips where vinyl overhang panels are not zipped in.

11.33



11.33 Use a zipper tool to lock all panels in place to complete installation of the 8' overhang section.

11.34 Install fascia according to manufacturer's installation instructions. Refer to VSI manual.

PORCH CEILING INSTALLATION

11.35



11.35 Install porch ceilings in the same manner as described in steps **11.1** to **11.34**. The number of strips used will depend on the width of the porch ceiling. Refer to VSI Manual.

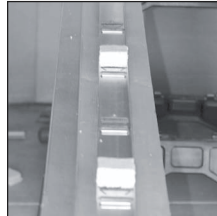
Note: Do not exceed the 24" maximum span. **This will null and void the SIDING-MASTER™ Overhang Attachment & Alignment warranty.**

INSTALLATION WITH FOAM INSERTS

11.36



11.37



11.38



11.36 Repeat steps **11.23** to **11.34**. Place 1-1/4" foam spacer directly centered over screw hole.

11.37 Place foam spacers every other screw hole where screw will be attached.

11.38 Screw strip onto overhang. Do not overtighten screws. Bottom of vinyl overhang should be flush with the bottom of fascia board.

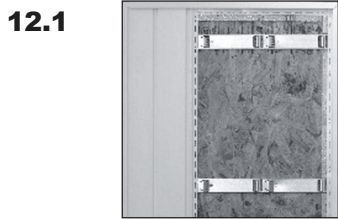
11.39 Install fascia according to manufacturer's installation instructions. Refer to VSI Manual.

Other options include:

Installing vinyl overhang without foam inserts

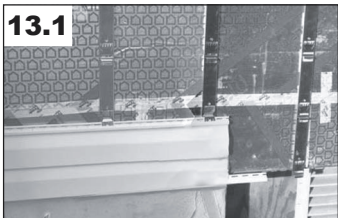
Installing vinyl overhang with wood blocks for open-end tail rafters. Refer to VSI Manual.

12.0 Vertical Siding Installation



- 12.1** Line up strips horizontally for vertical siding application by using a chalk line every 8' to 9' depending on which strip length is used. Space strips every 24" on center. Refer to VSI Manual for installation of starter strip.
- 12.2** Close-up of finger in slot on vertical siding application. This is how to place nails with vertical siding on the top of the panel so the panel does not come out of J-channel at the top. Refer to VSI Manual for vertical siding installation.

13.0 New Construction Installation



IMPORTANT: On new construction where there is NOT a solid substrate being used such as OSB or plywood, steel strips MUST be attached onto the studs. A rigid sheathing such as insulation or fiber board that provides a flat surface must be applied first. These are not solid substrates. Do not apply vinyl siding or SIDING-MASTER™ strips directly onto studs. Note: When installing on 16" OC, approximately 33% more strips will be needed.

- 13.1** On new construction, attach SIDING-MASTER™ strips every 16" onto studs.
Note: Some new construction has 24" spacing and some has 12" spacing. Space the strips at 24" spacing when possible to reduce cost of materials. On new construction where a solid substrate is used, screw strips directly onto the studs and space every 24".

PEAK INSTALLATION ON NEW CONSTRUCTION



- 13.2** Measure each strip separately. Cut at the same angle as peak and 1/8" from the inside of J-channel (bottom of trim board). Stack or offset strips as described in section **2.0**.
Note: Some installation will have offset framing on peaks. In this situation, determine whether to stack or offset strips based on stud placement. See section **2.0** for offset and stacking strips.
Attach SIDING-MASTER™ strips every 16" onto studs on peak.
Note: If there is no substrate to nail the J-channel to, use trim adaptor, and attach trim adaptor to the trim board (fascia board) underneath with screws as described in section **10.0**.

14.0 FULLBACK® Thermal Support System Installation



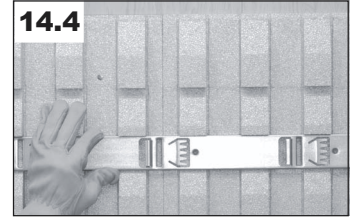
14.1



14.2



14.3



14.4

14.1 Find starting point as shown in step **1.1**. Measure from the starting point up to the top of FULLBACK® insulation, make a mark and chalk line. Repeat on the opposite side of the wall.

14.2 Line up the top edge of FULLBACK® insulation with chalk line.

14.3 Tack insulation into the proper position using 3 - 4 nails.
IMPORTANT: Do not nail tight; this will cause an uneven surface. The strips will hold the insulation in place. Do not place nails in the same channel where the strips will be placed.

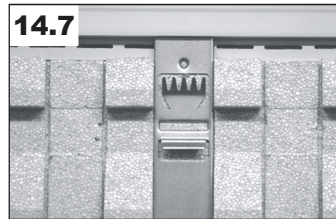
14.4 Install next section as described in the step **14.3**. Insert a SIDING-MASTER™ strip sideways to check for horizontal alignment.



14.5



14.6



14.7

14.5 Install strips onto the foam following steps **1.2** to **1.8**. Hook on a full panel of siding for straight horizontal alignment on the entire wall. Attach all strips and foam to the wall with screws.

14.6 For small wall spans, position FULLBACK® insulation with channel centered in space.
 Note: Use one strip placed into channel in 12" or less wall span.

14.7 Cut back FULLBACK® insulation at bottom edge of trim adaptor below the nail slot to allow room for the FAST-FINISH™ trim adaptor installation as described in section **10.0**.

15.0 Special Notes

While SIDING-MASTER™ is designed to work with most siding panels on the market, the following are not recommended for use or warranted with the SIDING-MASTER™ Vinyl Siding Attachment & Alignment System™ or SIDING-MASTER™ Overhang Attachment & Alignment System™:

- Double course nailing hems
- Panels that have too tight of a hem on the back of the siding panel
- Panels that do not have enough room for the face of hook to fit into
- Panels that do not have a hem on the back of panel
- Panels with a nail-tight hem and suspension cables
- All laminated panels (foam glued)

If any questions arise during installation that are not covered in this installation guide, please contact our trained SIDING-MASTER™ customer service representatives at:

**A-tech 7AM-5PM EST
 1-800-233-8265**