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CABLEREADY®
Installation Instruction Guide

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1.0 INTRODUCTION

CABLEREADY offers a series of protective molding developed to meet the needs of an ever-changing cable industry.

In response to industry demands and with many years of multi-unit construction experience, **CABLEREADY** designers were able to develop a protective molding raceway that not only meets but exceeds the cable industry's standards. This protective raceway molding simplifies the installation process as well as, provides a highly secure system to keep
vandals out of the system.

CABLEREADY has since been an industry leader in developing the most innovative solutions to the challenges that installers must face when working with cable molding. **CABLEREADY** molding and fittings are available in five different colors. Fittings are offered as transitions between sizes, right angles, Tee Fittings and much more.

Our molding is made of 26 gauge Galvalume® steel. Galvalume® lasts longer and is far more durable than G90 hot dipped steel or plastic
molding systems.

In the past, system operators, installers and apartment owners have settled for plastic moldings that were difficult to install, re-enter and
re-install with an effective product life of only two to three years. Users have had to put up with plastic moldings that would crack, shift, discolor, warp and literally falloff the walls of buildings.

Our **CABLEREADY** molding is guaranteed against cracking, warping, discoloring, blistering or peeling due to ultraviolet rays or harsh weather conditions for 15 years. All **CABLEREADY** molding products can be used for indoor and outdoor applications.

Please read these instructions thoroughly prior to installing **CABLEREADY** molding to ensure proper installation of **CABLEREADY** products and to ensure ease of upgrade or repair to the system. If you need additional assistance or simply have questions about **CABLEREADY** products, please call our toll tree number: 800-222-2142.

2.0 TOOLS

Recommended Tools: The following tools and materials are recommended to ensure a safe and correct installation of **CABLEREADY**'s protective molding system.

- **GLOVES: CABLEREADY**'s protective molding is manufactured with 26 gauge Galvalume® steel. The molding, clips, and fittings may have sharp edges on the material. USE GLOVES AT ALL TIMES.

- **HAND CUTTERS (HC1251 OR HC1451):** The HC1251 hand cutter are used to cut straight run to desired lengths. The HC1451 super snip hand cutters are used to make specialty cuts and notches in the straight run. **Note:** Do not use sheet metal shears. Sheet metal shears leaves uneven edges on the straight run molding.

- **3/8" CORDLESS HAMMER DRILL:** Use a battery charged portable 3/8" hammer drill for best results.

- **ANCHORS: CABLEREADY** offers a full line of anchors, nylon anchor, wall grabbers, #8 Hex Head screws and much more. See Section 4.1 for recommended anchors. **Note:** Anchor types and sizes will vary depending on the surface you are working on.

- **CHALKLINE:** Extend the chalk line string and tie 2" long string every 4' to mark any surface for correct clip layout.

- **TAPE MEASURE:** If you do not adjust your chalk line to snap a mark every 4', use a tape measure to set up center points on the chalk line for placement clips.

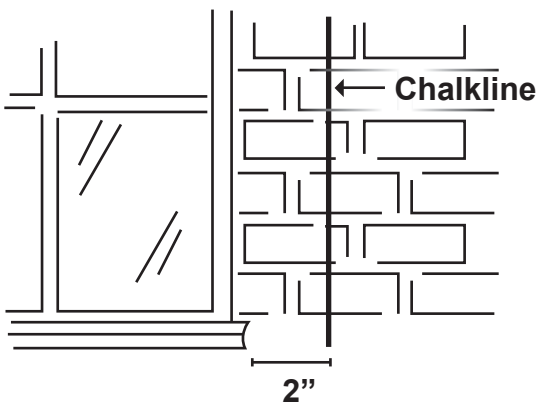
- **ENTRY KEYS: CABLEREADY** molding is designed to be removed from the clip or full backing clip with our patented entry key. The EK050HD is used to re-enter SR050 (1/2" molding) only. The EK100HD is used to re-enter SR075, SR100, and SR200 straight run molding

3.0 GENERAL INSTRUCTIONS

General Instructions: When installing **CABLEREADY**'s molding, try to follow window trims, drain pipes, rain gutters, and other natural edges on the building. Make certain that all of your measurements allow for adequate space (at least one inch) between existing edge and the molding.

- First, plan the lay out of the molding.
  - Be sure to plan for bend radius and obstacles.
  - Some building surfaces require specific types of anchors. (Section 4.1)
  - Certain building surfaces require special preparation (i.e.Stucco Walls 7.2).
    - Design the molding to run the full length of the building.
- Run chalk line.
  - You can modify your chalk line by tying knots in the line.
  - Tie a knot every 48". This will indicate where the clips need to be placed.
  - Snap chalk line 2" away from any edging. (Figure 1) **Note:** If **CABLEREADY** molding is in stalled too close to the edging, it may cause re-entering the system to be difficult.
  - DO NOT run your chalk line too long. This will cause your line to sag in the middle and you will not have a straight line!

    OR
  - Cut a length of straight run molding in half (48") and use length as a template.



- Install Clips. (Section 4.0)
- Install Straight Run Molding. (Section 5.0)

4.0 CLIP INSTALLATION

An easy formula for determining the number of clips needed is to multiply the footage of straight run by .25 for each size ordered.

Example: 4000’ of SR100IV x .25 = 1000 CL100

- Only 2 clips are needed per 8’ section of **CABLEREADY** molding.
- Use the full backing clip for uneven surfaces or when a highly secured system is required. Use the full backing clip only where the molding is accessible, for instance, the first 8 to 16 feet.
- For Stucco surfaces we recommend using the full backing plate.
- Line up clip to the chalk line and mark surface to where the holes will be drilled. Align the clips’ end guides with the chalk line. (Figure 2)
- Drill (2) 3/16” holes. (Figure 3)

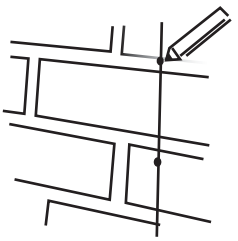


Figure 2.

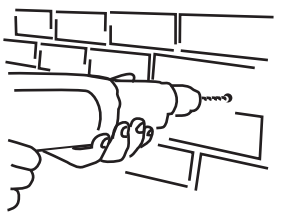


Figure 3.

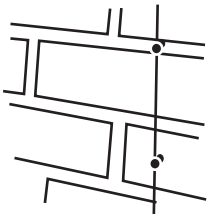


Figure 4.

- Use 2 anchors per clip. (Figure 4) (Section 4.1)
- Starting from the ground up, the first clip should be flush with the end of the molding edge. **Note:** This is the only time the clip will be flush with the molding edge. Measurement from the center of this clip to thecenter of the next clip will be 45 ½”.

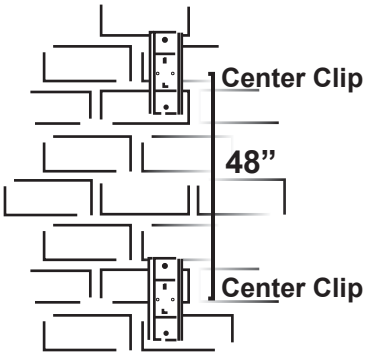


Figure 5.

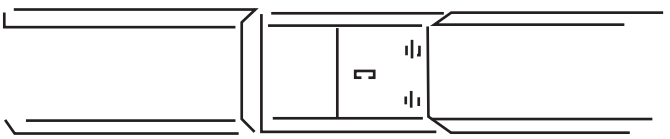


Figure 6.

- Once the clips have been installed, use a tie wrap to secure cables to the clip. (Section 4.2)
- **Note:** The clip acts as an attachment mechanism between two pieces of straight run molding (Figure 6). (i.e. when you install clips only half of the clip will be covered by molding. The other half of the clip will serve as the beginning attachment for the next piece of molding clips.

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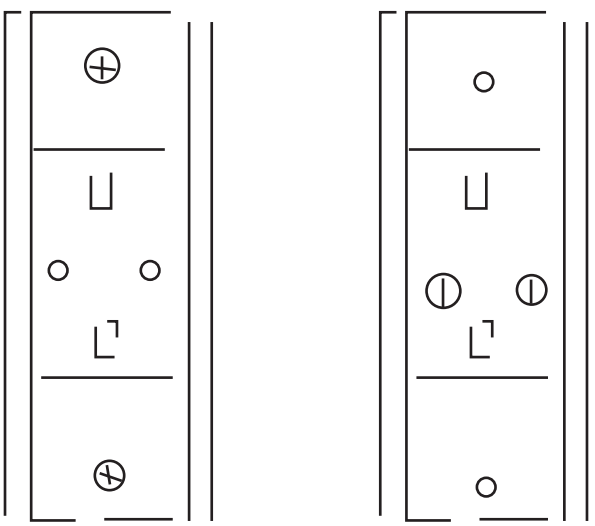
4.1 ANCHORS

- Use 2 anchors per clip. **Note:** clips can be cut in 1/2, only use 1 anchor.
- Anchors slightly smaller than the holes drilled should be used to hold clips (3/16” recommended). (Figure 3)
- The following anchors are recommended for each particular application:
  - **Wood Siding:** #8 or #10 x 1” Hex Head Screw (use with drill).
  - **Brick, Concrete, Cinder Block, Stone or Stucco:** 3/16” x 1” or 3/16” x 1 ½” Nylon Nail-In Anchors (use with hammer) or Plastic Anchors with Hex End Screws (use with drill).
  - **Drywall or Plaster:** Wallgrabbers® (no drilling is required) Use hammer to drive in Wallgrabbers® and insert #8 Hex Head Screw.
- When using a hammer to insert anchors for securing clips, be careful not to hammer the side of the clips. Bending the clips will cause removal of molding difficult. **Note:** For the CL050 (1/2” clip) we recommend our anchor driver (CR-7TD).
- Continue to check for alignment of the clip and guides with the chalk line before finally securing the anchor into place.
- Normally anchors are installed in the holes horizontally. If the surface is slightly uneven, install anchors in the vertical holes.

Example:



4.2 TIE WRAP GUIDES

- Once the clips have been installed, use one tie wrap to secure cables to the clip. (Figure 7)
- The tie wrap should be threaded through the tie wrap guides.
- Pull tight around cables so that molding can snap on without pinching the cable.
- Try to maintain symmetry in batching cables to assure ease of tracking cables over long distances.
- Use a tie wrap in between clips to help align cables within the molding.

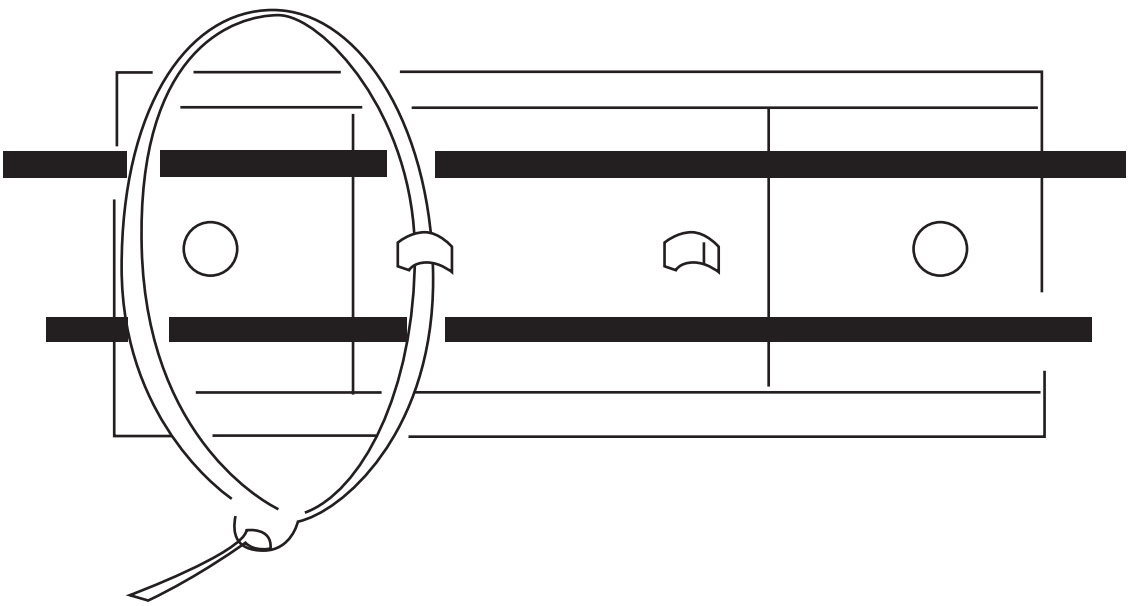


Figure 7.

5.0 STRAIGHT RUN MOLDING INSTALLATION

- Keep protective film on the molding until the molding is installed.
- Place one edge of the straight run under one edge of the clip. Apply pressure to the flat top of the molding, and push the molding down while pulling the molding's flange out toward the unsecured edge of the clip. (Figure 8)
- When snapping the molding on, start from one end and work toward the other. **Never** start from the middle and then work to the outside.
- When installing vertical risers, it is recommended that all short pieces be placed at the top riser.

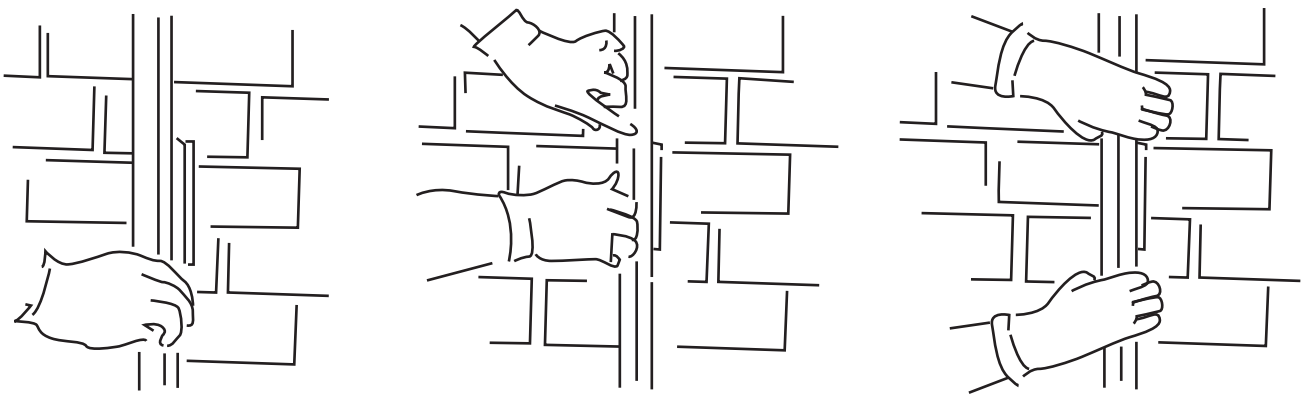


Figure 8.

- The vertical riser needs to rest on something that will support the molding. (i.e. trim board, cement, or a screw) If not unsupported the riser will slide down over a period of time and will cause a gap.
- A slight space (about 1/4") should be left between each section of molding. This allows the molding to move with the natural expansion and contraction.
- Install a coupling at each joint of molding. This will cover any spaces between sections.
- Short pieces will require a clip on each end.
- If molding seams loose on clip slightly squeeze the molding.

6.0 FITTINGS

- Unlike the straight run molding, the fittings should have the protective film removed before installation.
- When using fittings, place the clip closest to the fitting approximately 2” from the end of the straight run.
- The majority of the 3/4”, 1”, and 2’ fittings are snap on fittings. The snap on fittings are easy to identify because they have a set of tabs on the bottom of the fitting.
- The other fittings are inserted into the end of piece of molding, and will have notches on each side where the molding fits. (Figure 9)

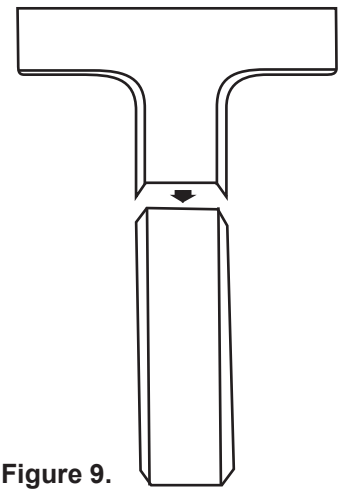


Figure 9.

- All 1/2” fittings snap directly onto a CL050 clip. None of the fittings snap over or into the molding.
- The CO200, the 2” coupling needs to be installed at the same time as the molding. The inter-locking bracket must fit securely between the two lengths of straight run.
- When using the CT075 as a tee fitting, you do not want the two molding ends to share a clip. You need a 1” space between the two ends. This allows room to make the TEE.
- **Note:** All fittings are designed to meet bend radius at full cable capacity.

7.0 SPECIAL INSTRUCTIONS

7.1 LAP BOARD SIDING

- Place the clips at the peak of the Lap Siding to make the molding easier to attach and avoid clips from recessing.
- Use the center clip as the securing clip. Anchor the center of that clip to the tallest point of the siding.

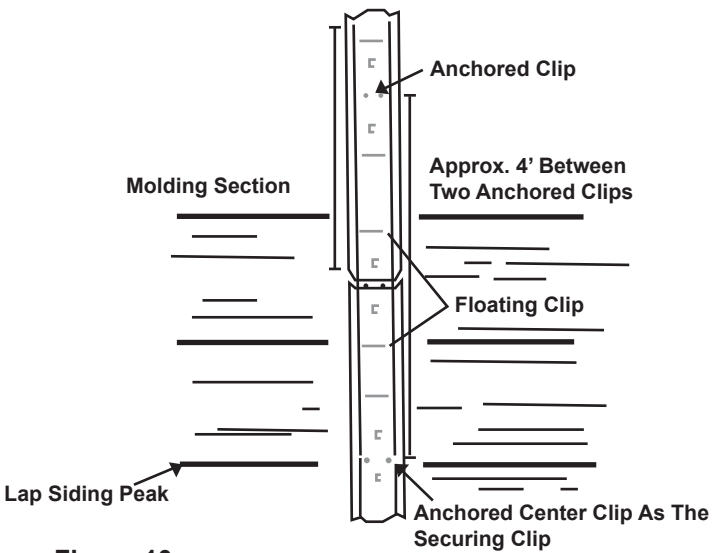


Figure 10.

- **Note:** On Lap Board Siding, clips will not be exactly 4' apart.
- To connect two pieces of straight run molding when installing Lap Board Siding, use an unanchored "floating" clip. (Figure 10)

7.2 STUCCO WALLS

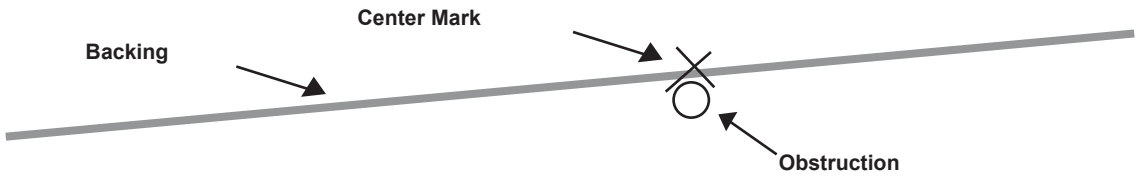
- Using a standard clip, cut the sides of the clip approximately 3/32" to allow for removal of the molding.
- For uneven surfaces, including stucco, it is easiest to use a full backing clip.

  OR
- For uneven stucco walls run a 2 x 4 along the surface of the wall to make a smooth facade for clip attachment.
- If the stucco is extremely uneven, use a fender washer to raise the clip so that the molding is able to grab onto the clip allowing the entry key to slip under the flange for removal of the molding.

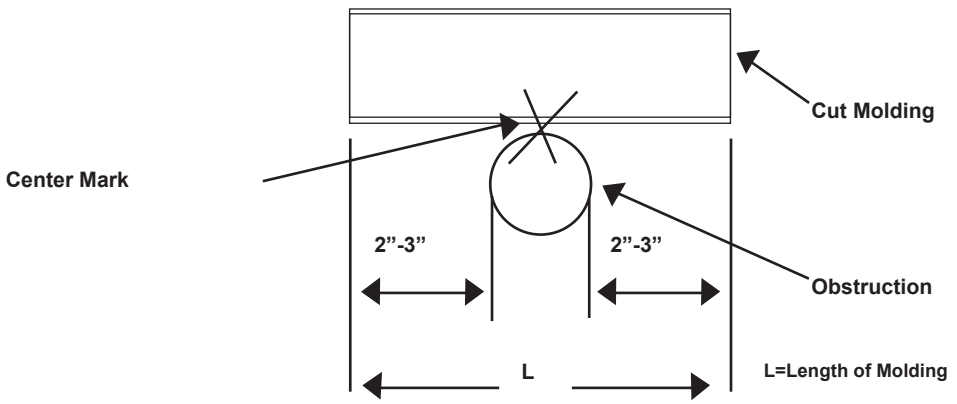
7.3 MOLDING BRIDGE INSTRUCTIONS

Note: The following instructions are for constructing a molding bridge out of 2” molding. The instructions are for passing over obstructions up to 3” high. The same process can be repeated with 1” molding, but is not as secure.

- **Setup and Backing Installation**
  - Determine the location of the obstruction the molding has to pass over.
  - Mark the backing approximately where the center of the ob struction would lie after the backing is bent.

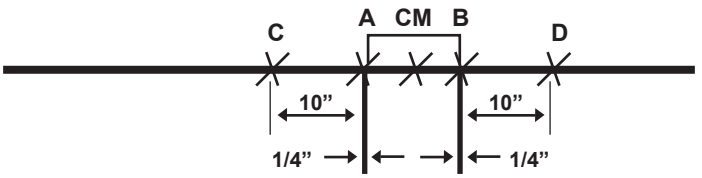


  - Determine and cut to length, the molding needed to extend over the length of the obstruction. 2 to 3 inches on each side of the obstruction should be sufficient. Mark the center of the molding.

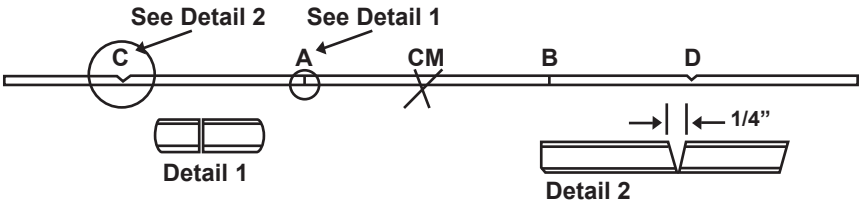


- Line up the center mark on the molding with the center mark on the backing. Mark the backing a ¼" from each side of the molding piece. (Reference as points A and B)

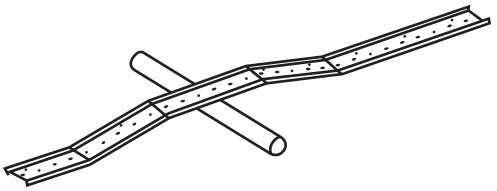
- Mark the backing 10 inches outward from points A and B. (Reference as points C AND D)



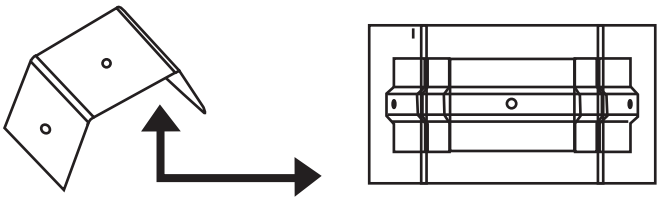
- Cut the walls of the backing on the innermost marks. (Points A and B, 4 cuts, per Detail 1) Do not cut the backing at the center mark.
- Cut a v-notch on the walls of the backing at the outermost marks. (Points C and D, 4 cuts, per Detail 2)



- Bend the backing into place and secure it to the mounting surface.

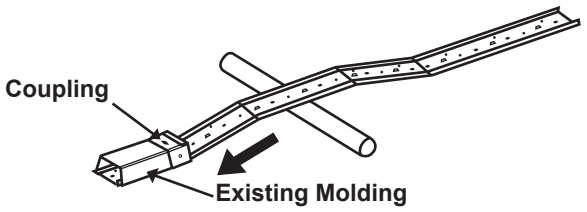


- Cut two notches in four couplings. Cut the notches in the center of the bend radius, as deep as the shears will reach, without cutting the coupling inside.

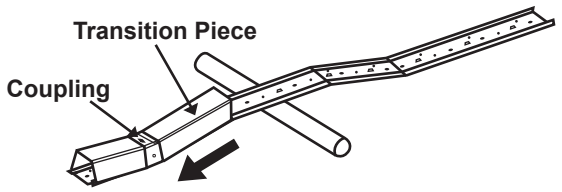


- Cut two pieces of molding 9-1/4" in length.

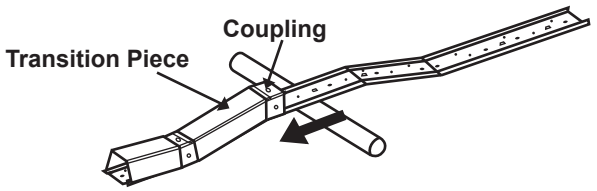
- **Straight Run and Coupling Installation**
  - **Note:** Attach cables to the backing prior to installing the molding. Install the molding from one side to the other, depending on what side you are working from.
  - Attach a coupling to the existing molding with the cutouts facing the direction of the obstruction.



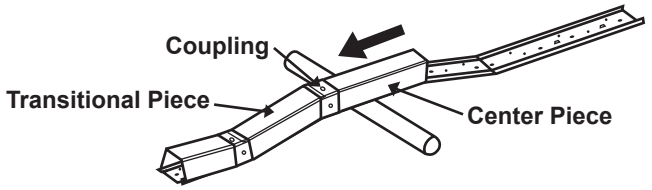
  - Secure one of the 9-1/4” molding transition pieces to the transitioned backing and slide it into the coupling.



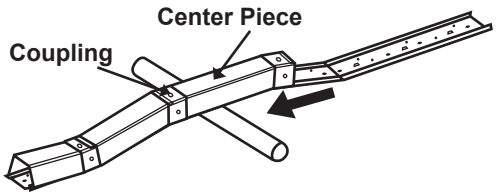
  - Attach a coupling to end of the transition piece, with the cutouts facing the opposite direction of the obstruction.



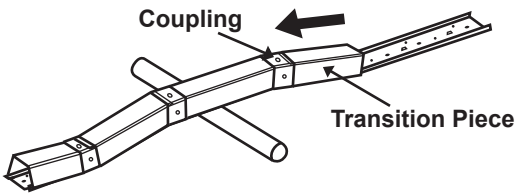
  - Attach the center-molding piece to the backing and slide it into the coupling. The coupling will need to be slid onto the center-molding piece and then, as a whole, slid back onto the transition piece.



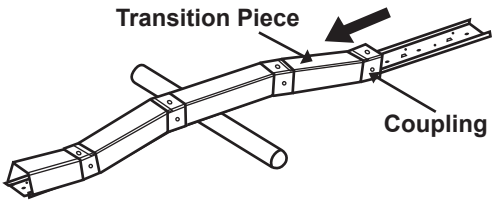
- Slide a coupling onto the end of the center-molding piece.



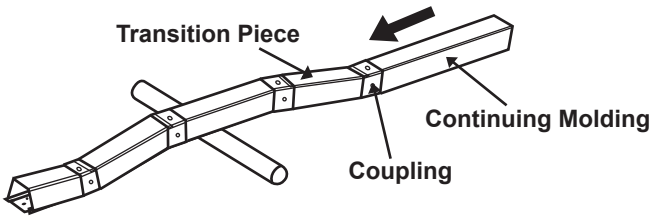
- Attach the other 9-1/4” molding transition piece to the transitioned backing and slide it into the coupling.



- Slide the last coupling onto the end of the transition piece, with the cutouts facing the direction of the obstruction.



- The continuing molding needs to be mounted to the backing and slid into the coupling. The coupling will need to be slid onto the continuing molding and then, as a whole, slid back onto the transition piece.



- Make sure the installed couplings are parallel to the straight pieces of molding, not the transition pieces. After adjusting the couplings, bend the cutout tabs, if desired, to meet the transition pieces.

7.4 INTERIOR INSTRUCTIONS

- **NOTE:** Interior installation is similar to exterior installation, except for the following:
- Install cable molding so that it meets the ground to enhance the aesthetics of the installation. (Figure 11)

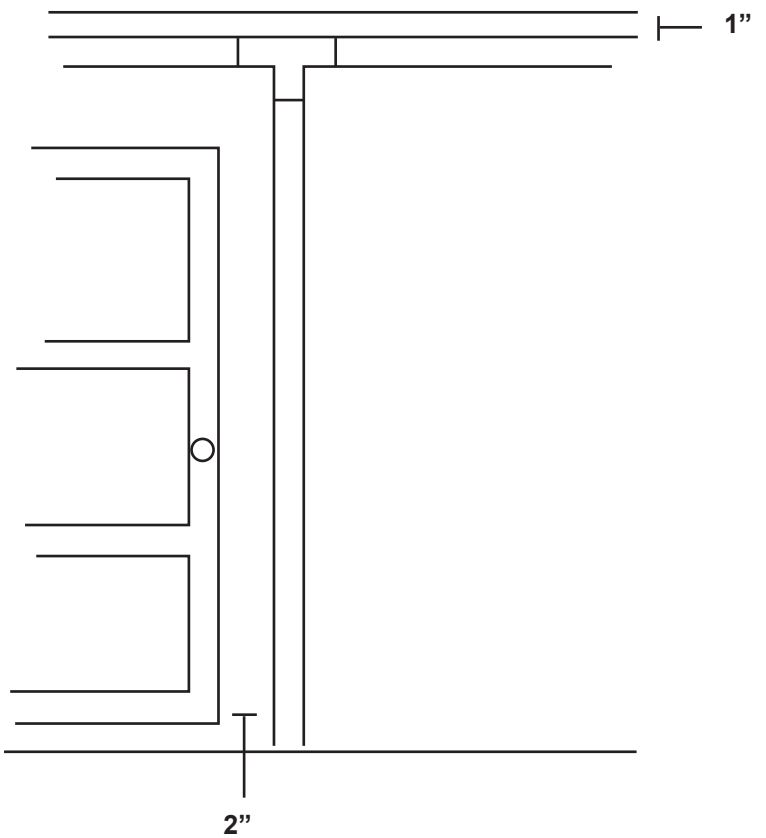


Figure 11.

- The molding should be spaced at least 2” from any natural edging.
- If you run **CABLEREADY** molding along the ceiling, remember to leave at least a 1” clearance from the ceiling to allow for removal of the molding.
- Use wallgrabbers or hollow wall anchors to assure adequate stability of the clips and molding.

8.0 HOW TO RE-ENTER THE MOLDING

- **CABLEREADY** is designed to keep vandals out of the system, and it takes effort to remove the molding from the clip or full backing clip.
- The molding can only be removed from clips or full backing clips with our patented Entry Keys. **Note:** The EK050HD is used to re-entry SR050 (1/2”) molding only. The EK100HD is used to re-enter SR075 (3/4”), SR100 (1”) and SR200 (2”) molding.
- The Entry Key is designed to slip under the molding and then grab the flange of the molding so that it can be pulled away from the edge of clip or full backing clip.
- Since the clips are spaced 4 feet apart, slide entry key under the molding in a non-clip area and grab onto the underneath flange of the molding. (Figure 12)
- Then slide the key to the clip while pulling the molding out from the clip.
- When key is at the clip, push down on the top of the molding with one hand.
- With key parallel to the surface of the building, pull the molding’s flange away from the clip’s edge.

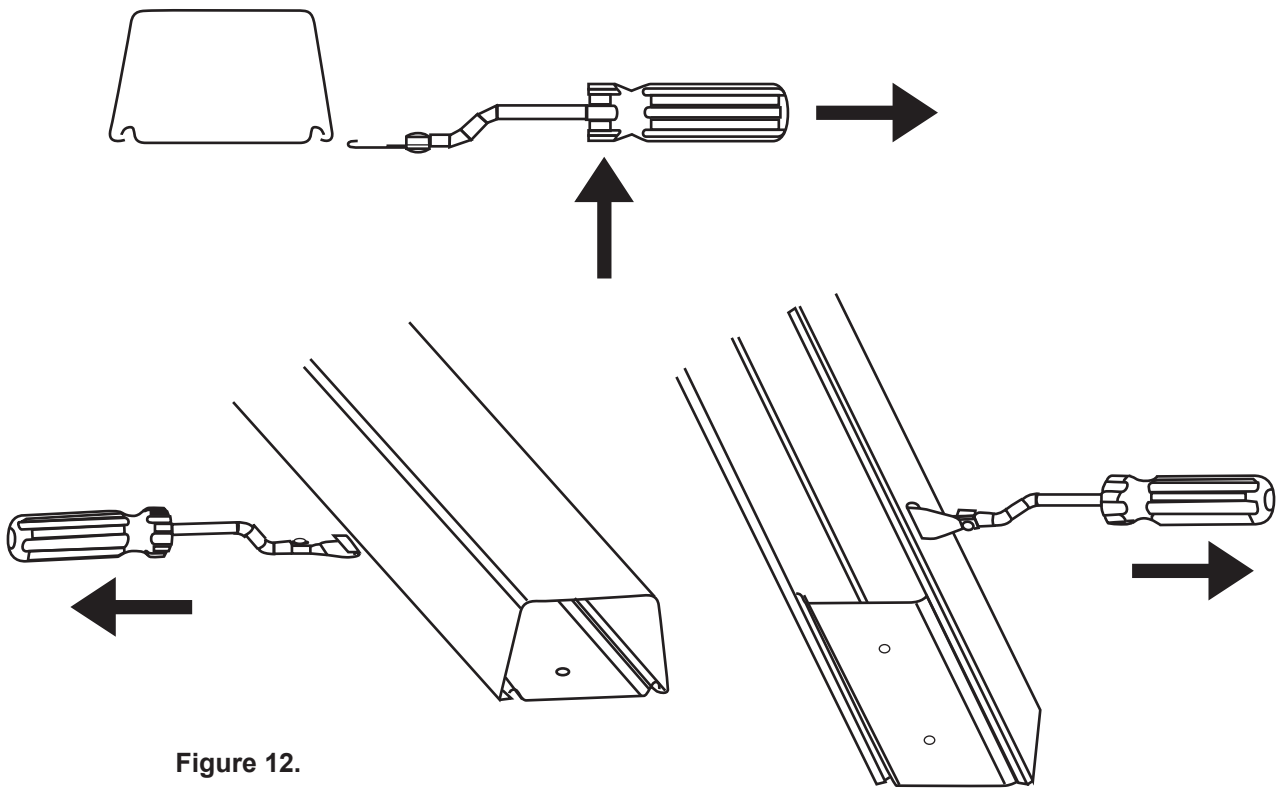
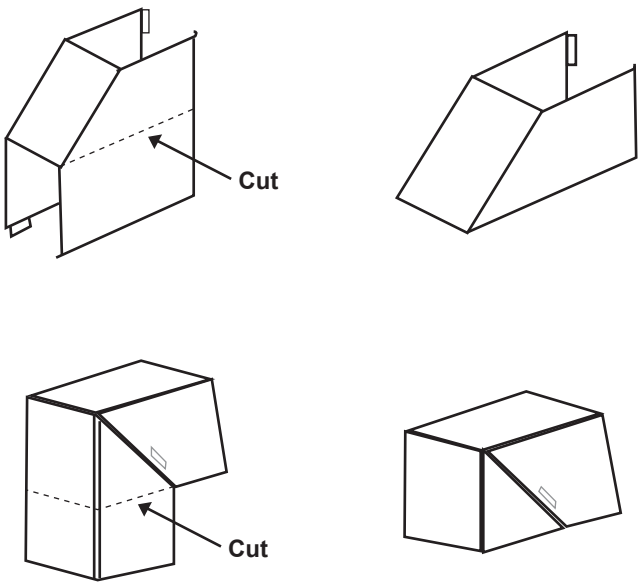


Figure 12.

9.0 HELPFUL HINTS

- **CABLEREADY** molding and fittings are shipped with a blue protective coating to keep products from becoming damaged during installation. It is recommended that you keep the protective layer on until after installation is complete. **Note:** Unlike the straight run molding, the protective layer should be removed before installing fittings.
- Change the color molding when there is a change in the building color.
- Keep extra full backing clips in stock. These are good for short lengths instead of a clip.
- A rubber grommet will protect the cable if you make a special cut to the molding.
- An Inside Corner can be cut to make a Expansion Boot.



- An Outside Corner can be cut to make an End Cap.

If you have a design problem, fax us a rough drawing and we will fax back a solution. Fax number 303-288-4769.

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Installation Instruction Guide

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Easy Re-Order Guide:

Product Image	PPC Part Number	Product Description
	SR050* SR100* SR075* SR200*	STRIAGHT RUN MOLDING
	CL050 CL100 CL07 L200	MOUNTING CLIPS
	BP07GS BP100GS BP200GS	FULL BACKING PLATE
	CO050* CO100* CT075* CO200*	COUPLING
	IC050* IC100* IC075* IC200*	INSIDE CORNER
	OC050* OC100* OC075* OC200*	OUTSIDE CORNER
	EC050* EC100* EC075* EC200*	END CAP
	RA050* RA100* RA075* RA200*	RIGHT ANGLE
	TE050* TE100* CT075* CT200*	TEE FITTING
	RT221* 2” X 2” X 1”	REDUCUNG TEE
	RD175* 1” TO 3/4” RD201* 2” TO 1”	REDUCER
	OA1-58* OA2-58*	OFFSET ADAPTER
	BO100* BO300* BO200* BO600*	BELL ADAPTER/ EXPANSION BOOT

Easy Re-Order Guide (cont.):

Product Image	PPC Part Number	Product Description
	HC1251** HC1451**	HANDCUTTERS SUPER SNIP SHEARS
	EK050HD EK100HD	1/2” ENTRY KEY 3/4”, 1”, 2” ENTRY KEY
	TP016IV TP016BR TP016RW TP016WH	TOUCH UP PAINT
	C2146IV C2110RW C2111BR C2000WH	CAULK
	4630 4730 5630 5730	NYLON ANCHORS 3/16” X 1’ 3/16” X 1 1/2” 1/4” X 1” 1/4” X 1 1/2”
	#8 WG #8 HH	WALLGRABBER ANCHOR HEXHEAD SCREW
	OB 3-4*** 3” X 4” X 1 5/8” JB275* 2 3/4” X 2 3/4”	OUTLET BOX JUNCTION BOXES

* Please supply two letter suffix for color when ordering:
IV - Ivory WH - White RW - Redwood BR - Brown LG - Light Gray

** A complete list of accessories and replacement parts for the HC1251 and HC1451 is available.

*** Single, double and triple gang sizes, custom sizes and extra deep boxes are available.

PPC Part Number	Cable Capacity	Footage Per Box	Molding Dimensions A	B	C
SR050	2 RG6’S	480’	7/16”	1/2”	5/8”
SR075	4-6 RG6’S	160’	3/4”	1”	1 1/2”
SR100	16 RG6’S	80’	1”	1”	2 1/8”
SR200	40 RG6’S	96’	2”	2”	3 1/4”

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- CLASS “A” FIRE RATING
- GREATER CABLE CAPACITY
- PERMANENT INSTALLATION
- 5 COLORS & 4 SIZES
- 26 GAUGE GALVALUME®

For more than 70 years, PPC has been developing and manufacturing connectivity solutions for broadband service providers. Holding more patents in connector technology than any other company worldwide, PPC continues to be a premier driver of innovation and technical leadership.

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