

Rectangular Clad Brick Mould Casing - Field Service Guide

Field Applied Installation Instructions For 1 5/16" and 1 5/8" Casing



ATTENTION: Factory applied clad brick mould casing is NOT field replaceable. If replacement of any or all factory applied CBMC components is necessary, all components must first be removed and replaced with A898 field applied clad brick mould casing. A246 subsill may be reused from factory applied system.

WARNING: Practice safety! Wear safety glasses or goggles and appropriate hearing protection when cutting and assembling brick mould casing components.

STANDARD PARTS SHIPPED		
ILLUSTRATIONS (not to scale)	DESCRIPTION AND COLOR	PART/PROFILE NUMBER
	Clad brick mould casing	A898 - 1 5/16" or A228 - 1 5/8"
	BMC End Caps For Doors	RH BG 10500273 LH BG 10500274 RH BZ 10500275 LH BZ 10500276
	Subsill (window products only)	A246
	Frame kerf weather strip	15910100
	Connecting barb	V087
	Nailing fin	V084
See Below	Rectangular Field Applied Package	11850119

Rectangular Field Applied CBMC Package 11850119		
	Five (5) #8 x 1 1/2" Phillips flathead stainless steel screws	11808110
	Twelve (12) #8 x 5/8" Phillips panhead stainless steel screws (not used on door products).	11800498
	Installation Instructions	11708096

YOU WILL NEED TO SUPPLY

Safety glasses
Putty knife
Utility knife
Chisel
7/64" drill bit
Sealant - Grade NS Class 25 per ASTM C920
Countersink bit for metal (82 degree)
1" x 3" x 3/16" wood shim (scrap)
Power miter box saw with metal cutting blade
Power drill/driver with Phillips head screw bit

Hearing protection
Rubber mallet
Screen door spline roller
Hacksaw
Hammer

ATTENTION: Specifications and technical data are subject to change without notice.

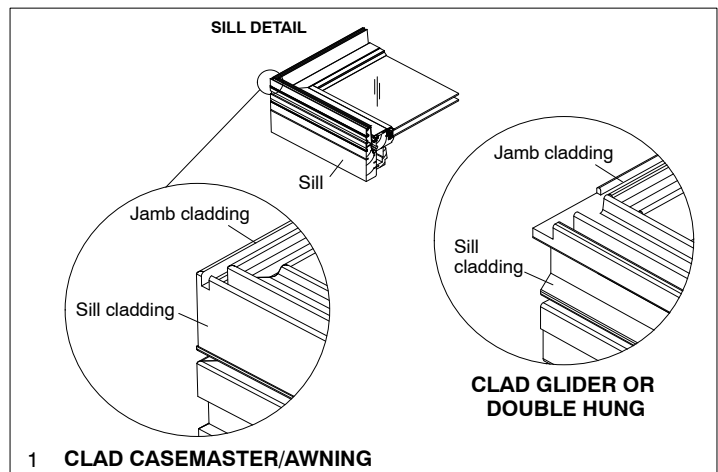
CLAD BRICK MOULD CASING INSTALLATION PROCEDURES

1. Lay unit on a flat surface with the exterior side of the unit facing upward. Remove factory installed nailing fin and discard. Remove any standing blocks from sill of unit.

IMPORTANT: Check the diagonal measurements to ensure squareness of the unit or assembly.

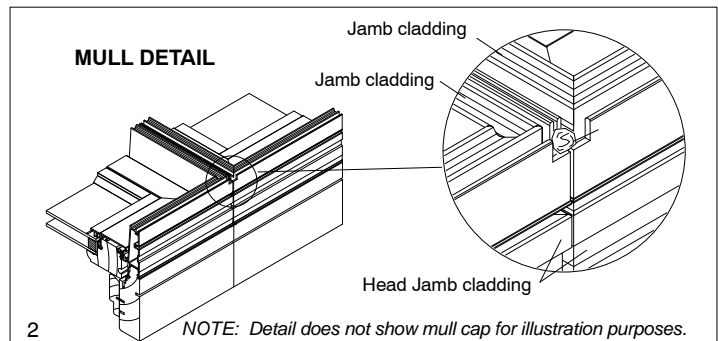
2. It will be necessary to notch the frame accessory kerf prior to installing the clad brick mould casing. This will allow jamb casing to seat against the subsill. The jamb corners at the sill (see exceptions noted below) must be notched in a vertical fashion as shown in illustration 1 as indicated by specific product types.

NOTE: Do not notch sill jamb corners on door products. Additionally, mullied Double Hung or Glider products should not be notched on the sill at the mull joint.

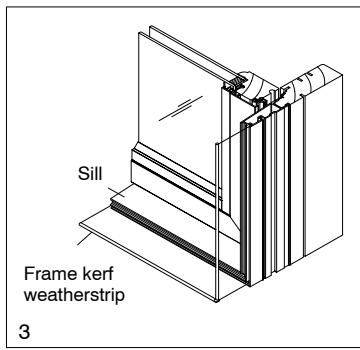


3. It will be necessary on multiple units to ensure mull cap does not extend into the kerf. This will allow CBMC to pass by the mullion area without modification. Remove excess material in a horizontal fashion to open the kerf. Cut this notch using a hammer and chisel. See illustration 2. On space mullied units where A148 outside frame trim is installed, notching is not necessary. Remove trim from sill, head jamb, and/or jambs before proceeding.

4. Apply silicone sealant at all mull joints where cladding has been notched. See illustration 2.



- Install frame kerf weatherstrip around frame kerf perimeter, (not applied on door sill) using a screen spline roller. If possible splice at top corners ensuring there is no gap at the splice. See illustration 3.



NOTE: If you are installing clad brick mould casing on a door product, skip to Step 9.

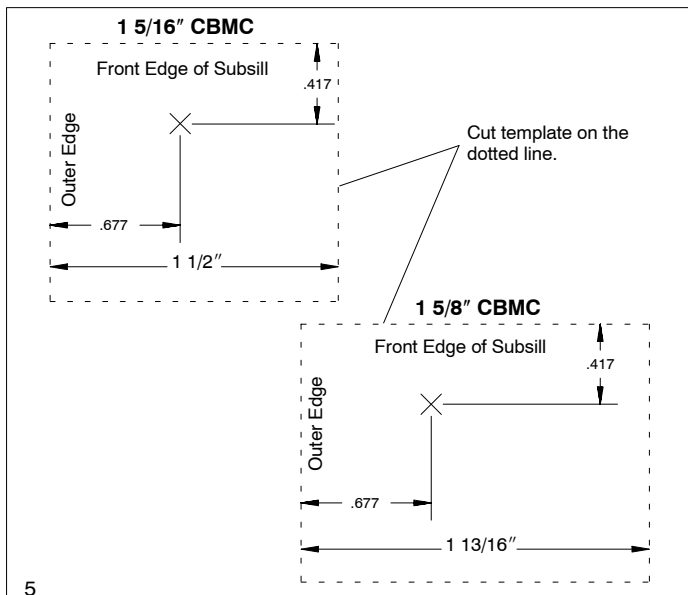
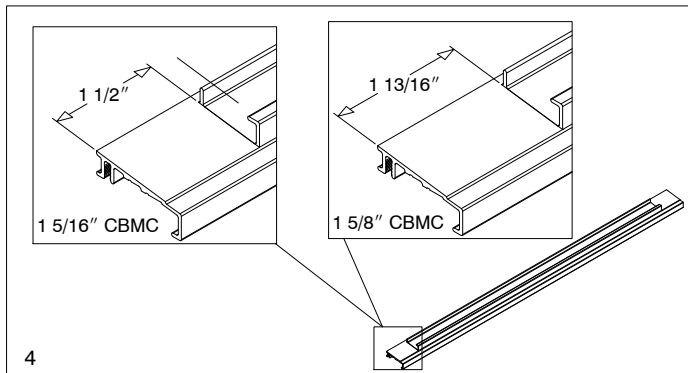
FABRICATION PROCEDURES

CAUTION: To avoid binding and risk of possible injury place a shim under CBMC while cutting to provide support while positioned in the power miter box. This applies to all steps below that involve cutting on a power saw. Always wear proper eye and ear protection while cutting.

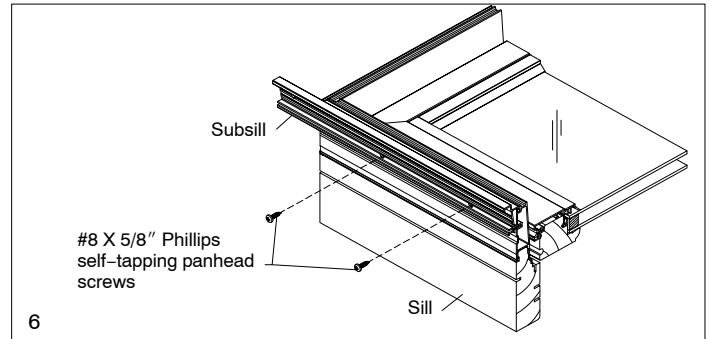
- Measure outside width of unit and add the appropriate length according to the table below. Using a power miter saw cut subsill to measured length. Measure and mark both ends of subsill using table below. Notch ends of subsill by removing ridged material with a hacksaw or chisel as shown in illustration 4.

Casing	Added Subsill Length	End Notch Length
1 5/16"	2 5/8" (67)	1 1/2" (38)
1 5/8"	3 1/4" (83)	1 13/16" (46)

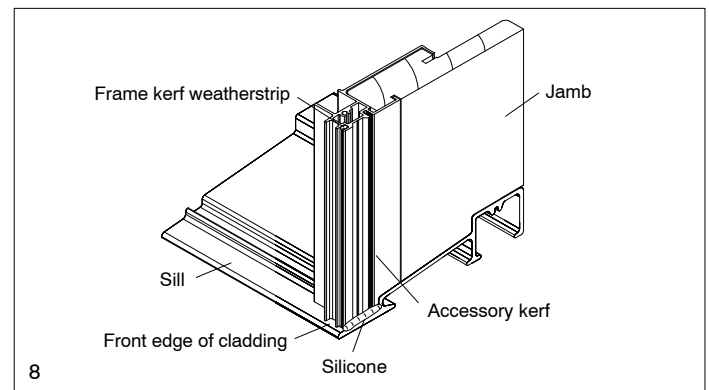
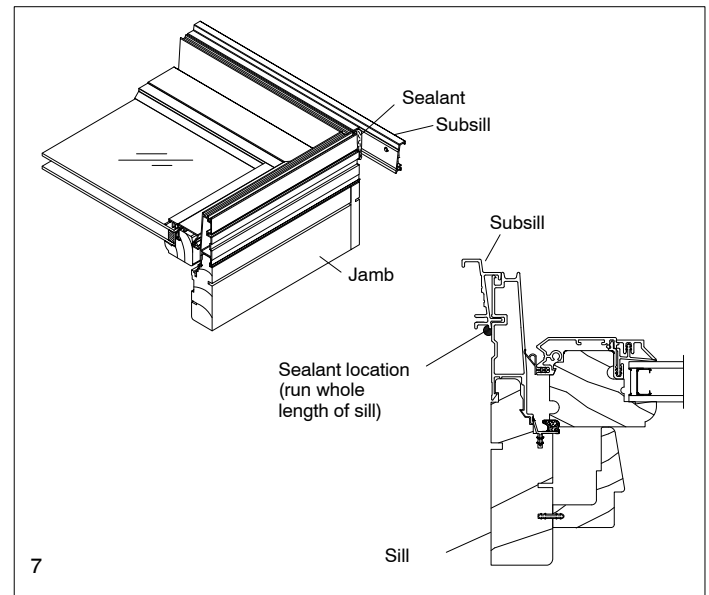
- Using the appropriate template in illustration 5 below, mark ends of subsill and drill a pilot hole with a 7/64" drill bit through top of subsill.



- Place subsill into sill kerf, ensuring subsill extends past the jambs an equal distance on each side. Secure with #8 X 5/8" self tapping screws every 6" (152) to 8" (203) along entire length of sill. See illustration 6.

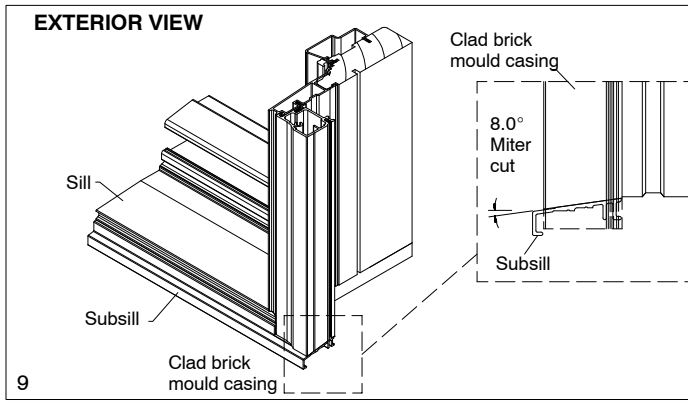


- Apply silicone sealant at the point where the subsill and jamb meet and continue under the sill running a bead the entire length of the sill. See illustration 7. For door products apply silicone sealant from the front edge of the jamb cladding at the sill to beyond the jamb accessory kerf as shown in illustration 8.

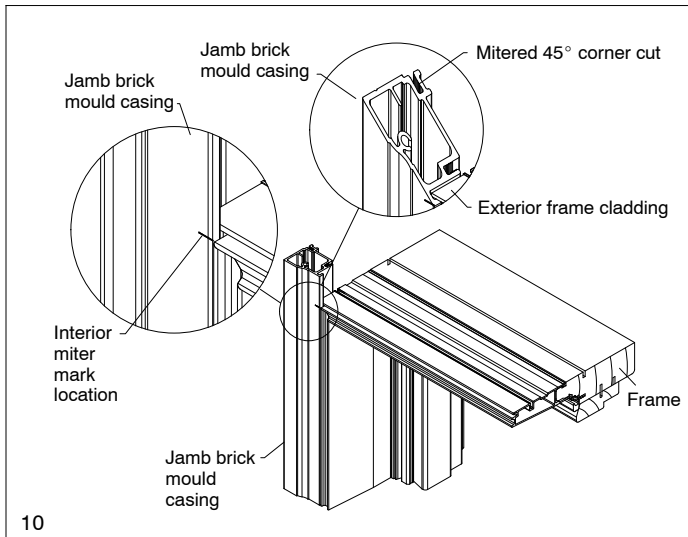


NOTE: If you are installing CBMC on a door product, please skip to step 11.

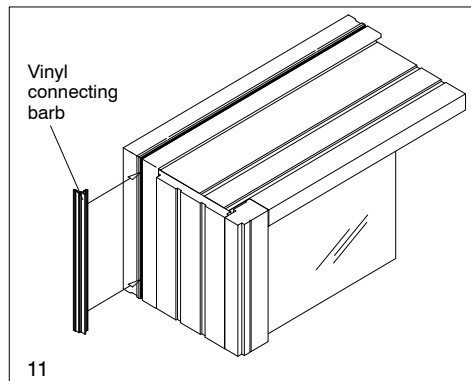
- Start with the jamb CBMC by cutting an 8 degree bevel on one end where it will make contact with the subsill using a power miter box saw. The long side of the bevel will always be to the exterior side as shown in illustration 9.



- Lay one of the casings along the jamb kerf ensuring the bottom is snug against the subsill of the window product or flush with the sill on door products.
- Using the frame corner as a reference point, mark the inside 45 degree angle. Remove casing from frame and cut on the power miter box saw. See illustration 10. Repeat this procedure for the other jamb casing as well.

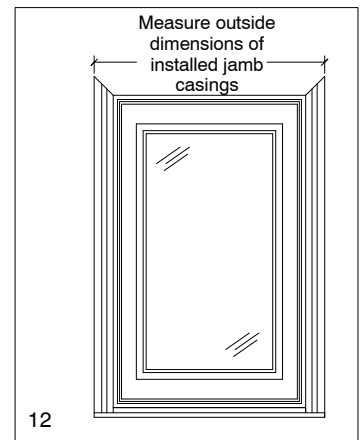


- Next apply the V087 connecting barb to jambs of unit. See illustration 11.

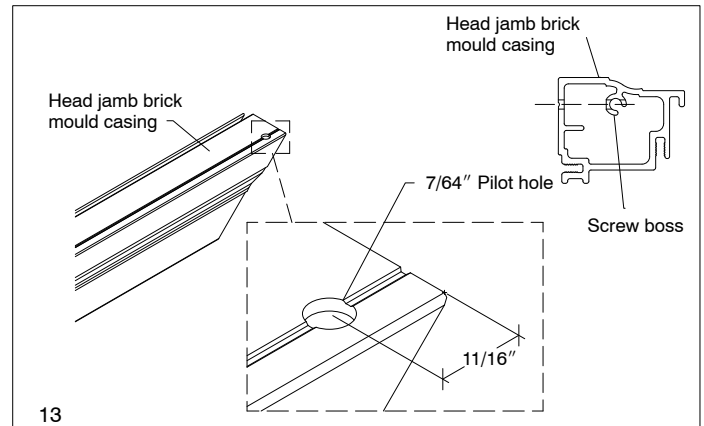


- Position jamb casings onto the frame kerf and connecting barb ensuring the end of jamb is flush against subsill (or even with sill on door products). Carefully press jamb CBMC into connecting barb and kerf by hand then secure with a rubber mallet. **CAUTION: Do not force if binding occurs as damage may result to the frame and brick mould casing.**

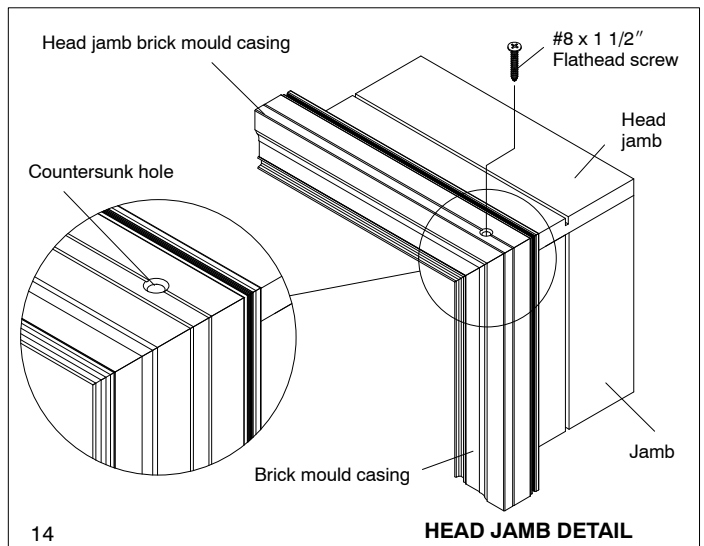
- Measure outside dimensions of installed jamb casing. Cut head jamb CBMC to width making sure to cut 45 degree angles matching those cut on jamb CBMC. See illustration 12. Once head jamb CBMC is cut correctly and corners match, apply V087 connecting barb to head jamb accessory kerf.



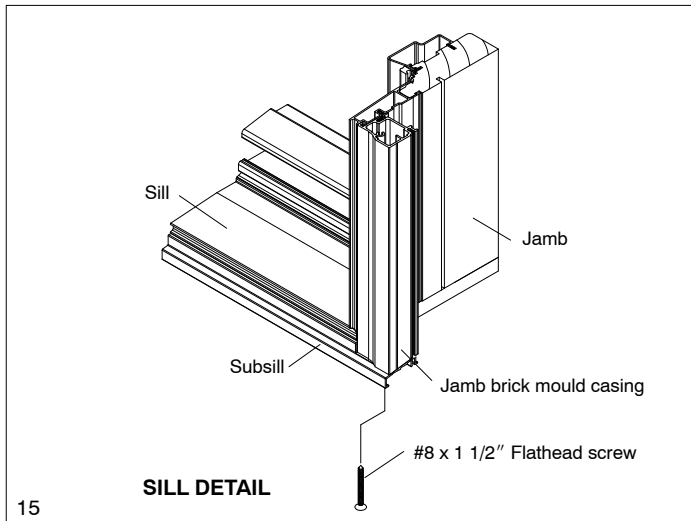
- Measure and mark $11/16''$ (17) from the edge of miter on head jamb casing using the line on the CBMC as a guide. Drill pilot holes with a $7/64''$ drill bit on mark and countersink with a countersink bit. Make sure hole is drilled through screw boss. See illustration 13.



- Carefully press head jamb CBMC into connecting barb and kerf by hand then secure with a rubber mallet. Again, do not force CBMC onto frame if binding occurs as damage may result to the frame and brick mould casing. Secure head jamb to jamb CBMC with two #8 x $1 1/2''$ flat head screws provided. See illustration 14.

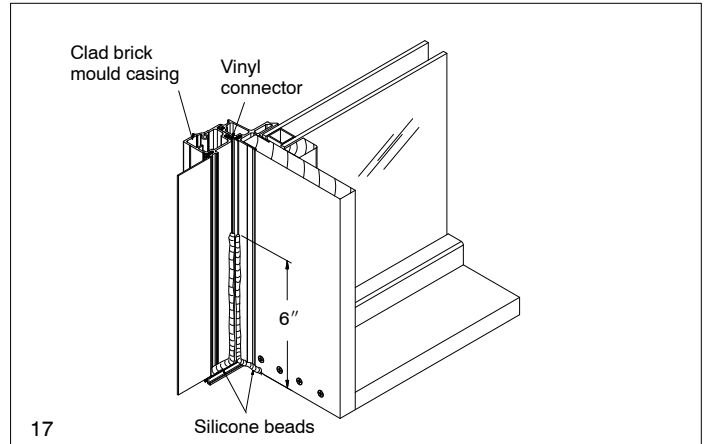


18. Secure jamb casing to subsill with #8 x 1 1/2" flat head screws as shown in illustration 15.



APPLYING SEALANT

20. Apply silicone caulking on the backside of the unit at joints before installing in the dwelling as shown in illustrations 17 and 18. Be sure to tool out the caulking for the best performance as shown in illustration 19.



APPLYING NAILING FIN TO A WINDOW PRODUCT

19. Attach sill nailing fin to subsill cladding. Attach jamb and head jamb nailing fin to CBMC accessory kerf. See illustration 16.

