

# Therma-Tru<sup>®</sup> Hinged Patio Door System

## *Multiple Extension Unit Assembly*

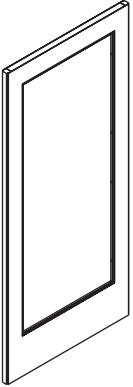
**Read all instructions before starting.**

The applicable standards for these products are governed by  
the International Residential Code.  
Copies of performance ratings and testing are available on our website  
[www.thermatru.com](http://www.thermatru.com) and our product manual.

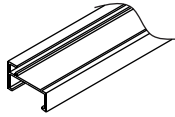
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## Part identificaion

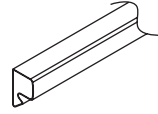
Not all parts shown will be included in package.  
Parts will vary for type of unit purchased.



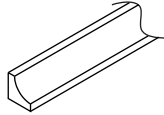
Door Panel



Door Bottom-  
Inactive



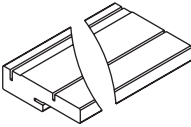
Inactive  
Weatherstrip



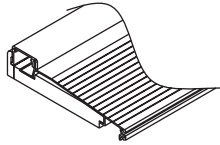
Cove Molding



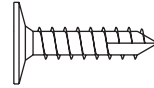
End Seal Pad



Head Jamb



Inswing sill



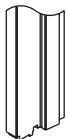
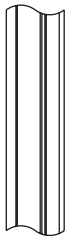
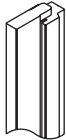
#8 x 3/4"  
wafer head screw



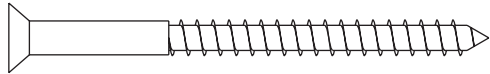
Side  
Jamb



Side  
Jamb



Mullion



#10 x 2-1/2"  
flat head screw

### Tools/materials required

This is a listing of tools that may be required to assemble unit.

- Drill/screw gun
- Phillips head drive bit or screwdriver #2 & #3
- Silicone sealant and caulk gun
- Utility knife
- Rubber mallet
- Hammer
- 3/32" & 1/8" dia. drill bit
- Miter saw



**NOTE:**

A large work area is needed to assemble the frame kit. Cover area with cardboard from one or more door panel cartons to protect frame parts and floor. If available a carpeted table can be used to avoid marring prefinished surfaces.

# 1 REMOVE COMPONENTS FROM PACKAGING

Installation instructions will be included in the site package.

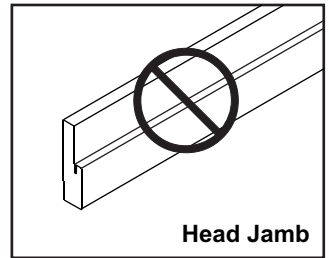
# 2 APPLY INACTIVE WEATHERSTRIP

## Apply Weatherstrip to Inactive Frame Parts

Press in kerf.

### Head Jambs

Do not apply inactive weatherstrip to head jamb. Apply a bead of sealant during panel installation.



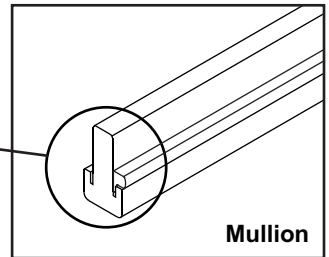
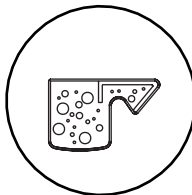
Head Jamb

### Mullions

\* (for double/triple fixed systems)

Align starting end with top end of mullion.

Fit and secure in place along full length.

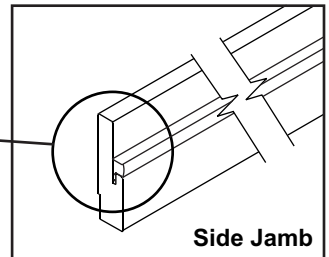
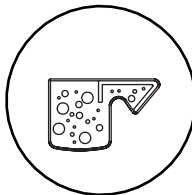


Mullion

### Jambs

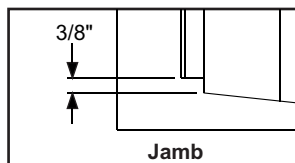
Align starting end with head gain.

Fit and secure in place along full length.

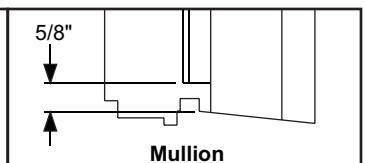


Side Jamb

## Trim Bottom End



Jamb



Mullion

# 3 FRAME ASSEMBLY

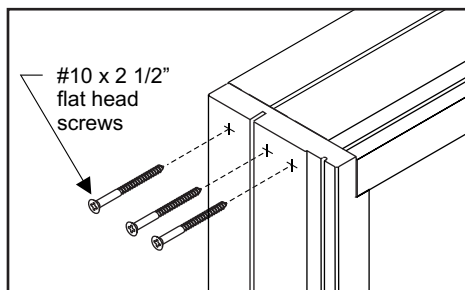
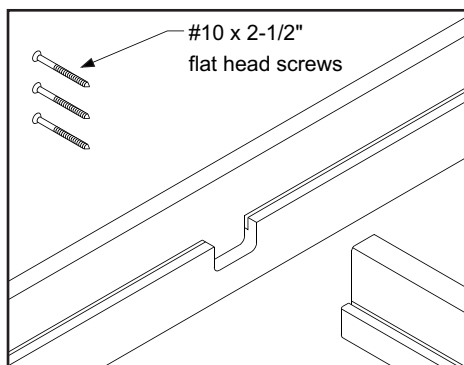
## Fasten Mullion to Head Jamb

\* (for double/triple fixed systems)

Insert mullion into head jamb mortise.

Pre-drill 1/8" dia. pilot holes through head jamb into mullion.

Fasten with (3) #10 x 2-1/2" screws through head jamb into mullion.



## Fasten Side Jamb to Head Jamb

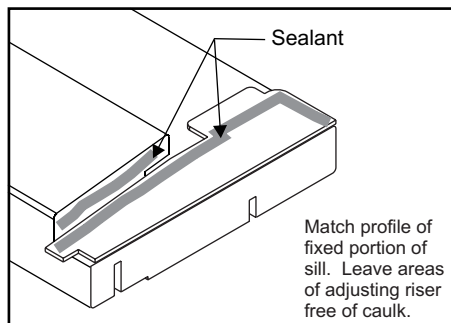
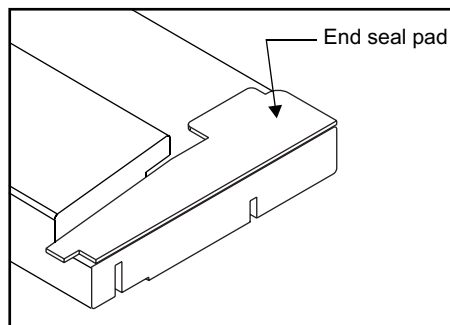
Butt and align head jamb to side jamb.

Pre-drill 1/8" dia. pilot holes through side jamb into head jamb.

Fasten side jambs to head jamb with (3) #10 x 2 1/2" flat head screws through side jambs into head jamb.

## Apply End Seal Pads

Remove from paper backing and apply adhesive side of end seal pads at bottom of each jamb.



## Caulk Entire Sill Gain

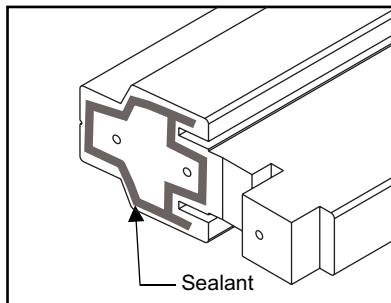
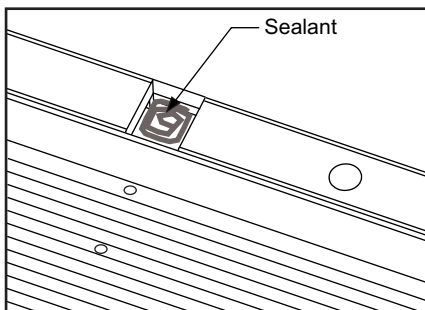
Apply a 1/4" bead of sealant to sill gain and a bead that matches profile of sill.

### 3 **FRAME ASSEMBLY - continued**

#### **Apply Sealant to Bottom End of Mullion**

\* (for double/triple fixed systems)

Apply a 1/4" bead of sealant around bottom of each mullion.



#### **Apply Sealant to Sill**

\* (for double/triple fixed systems)

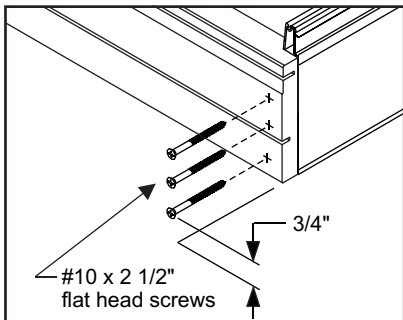
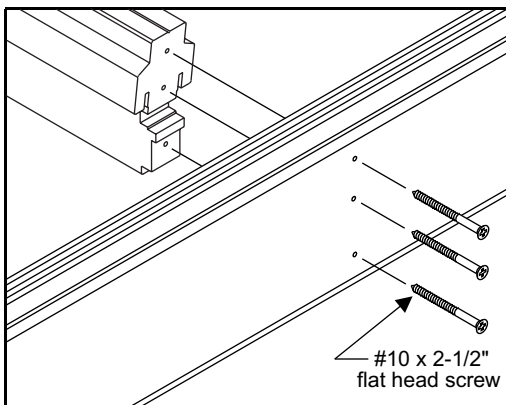
Apply a generous amount of sealant inside cutout section of sill saddle.

#### **Fasten Sill to Mullion**

\* (for double/triple fixed systems)

Position mullion onto sill. Mullion should be flush with back of sill saddle.

Drive (3) #10 x 2-1/2" brass screws up through the pilot holes in sill and screw into mullion. DO NOT overtighten.



#### **Fasten Sill to Side Jamb**

Fit and align sill between lock and hinge jamb.

Starting approximately 3/4" from interior side of jamb, drill (3) 1/8" pilot holes through each jamb into sill substrate.

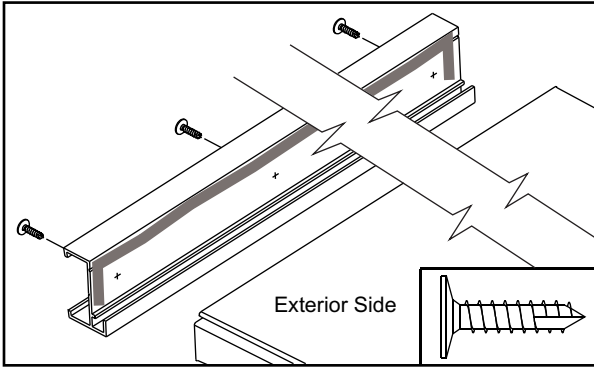
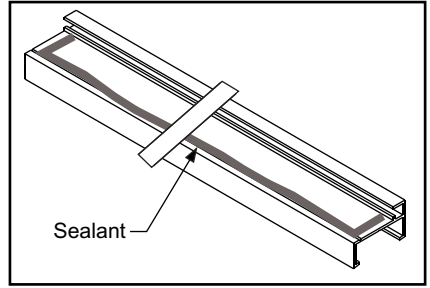
Fasten each jamb to sill with (3) #10 x 2 1/2" flat head screws.

## 4 PANEL INSTALLATION

### **Caulk Door Bottom**

Select a sealant that provides excellent adhesion to both plastic and wood.

Apply a 1/4" bead of sealant to top surface of door bottom.

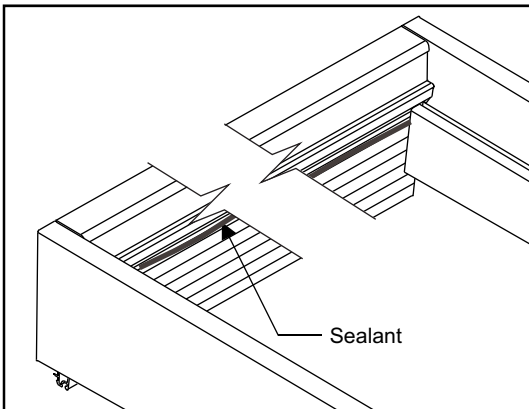
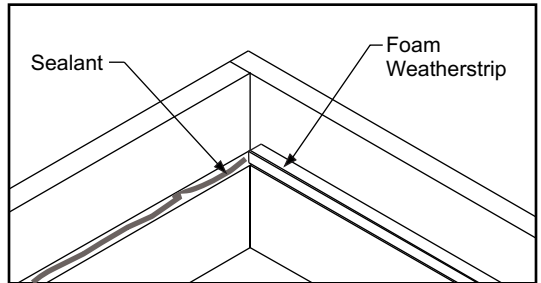


### **Attach Door Bottom**

Fasten door bottom to inactive slab with 1" staples or #8-15 x 3/4" Phillips dual angle wafer head type 17 gimlet point screws.

### **Caulk Head Jamb**

Apply a 1/4" bead of sealant on head jamb to ensure a weather seal.



### **Caulk Sill Where Door Bottom Meets**

Remove sill cover if applied.

Apply a 1/4" bead of sealant along length of sill where inactive door bottom makes contact.

## 4 PANEL INSTALLATION - continued

### Install Panel into Frame

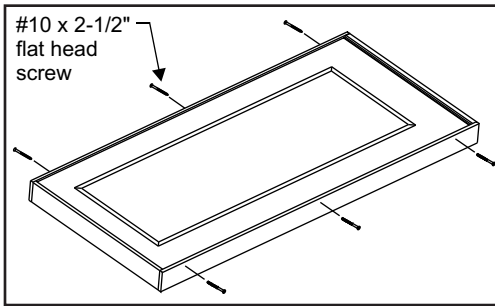
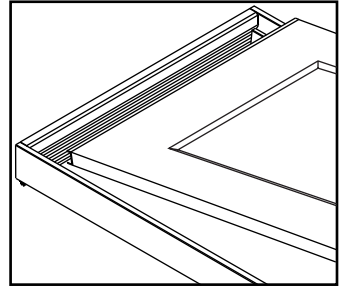
Place sill end in first, mating plastic bottom to sill.

If necessary, use putty knife blade at top to aid inserting panel into frame.

Check door bottom for proper seal.



**NOTE:**  
Press down firmly on panel to ensure proper seal against frame.

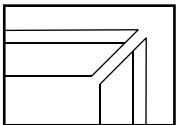


### Fasten Panel to Jamb

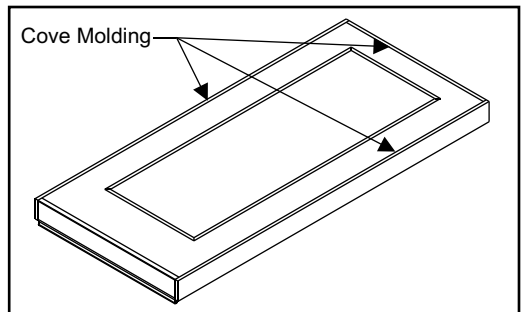
Pre-drill 1/8" dia. pilot holes through jamb into panel.

Fasten through jamb into door panel with (3) #10 x 2-1/2" flat head screws on each side.

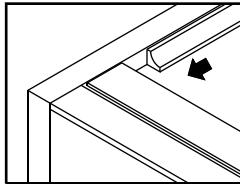
### Apply Cove Molding



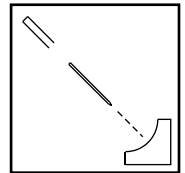
Miter top corners with 45° angle cuts.



Butt-joint bottom ends of plastic door bottom ledge with square cuts.



Fasten with small staples or finishing nails (not supplied).



## 5 UNIT READY FOR INSTALLATION

Unit can now be transferred for installation. Gather any remaining components and hardware as they may be used for installation.

See "Unit Installation" instructions.

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# THERMA TRU<sup>®</sup>

## PATIO DOOR SYSTEMS

1687 Woodlands Dr. Maumee, OH 43537  
1-800-THERMATRU (843-7628)  
[www.thermatru.com](http://www.thermatru.com)