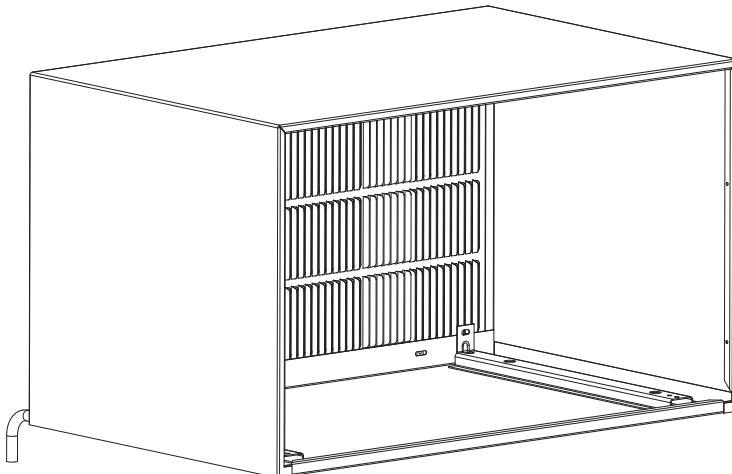


# TTW Wall Sleeve

# Installation Instructions



## General Information

The wall sleeve must be installed before the air conditioner chassis can be set in place. Read the instructions thoroughly before proceeding.

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**RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION.**

## ATTENTION INSTALLING PERSONNEL

As a professional installer you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

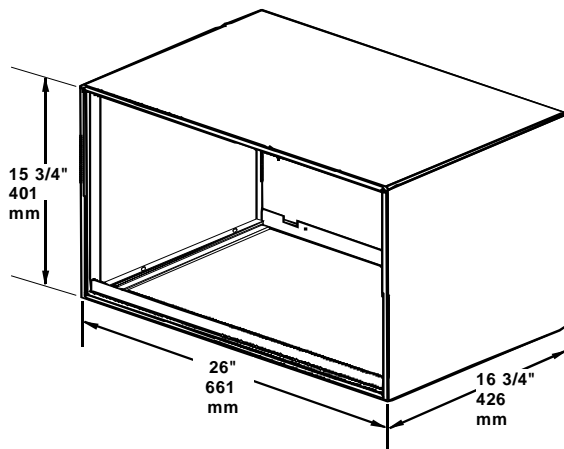
Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair, it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is your responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.

Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices...follow them.

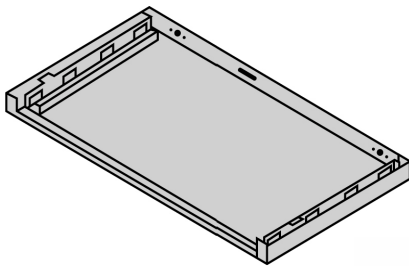
The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.

## Wall Sleeve Dimensions

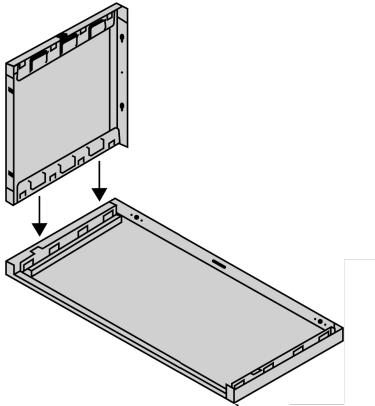


## Assemble Wall Sleeve

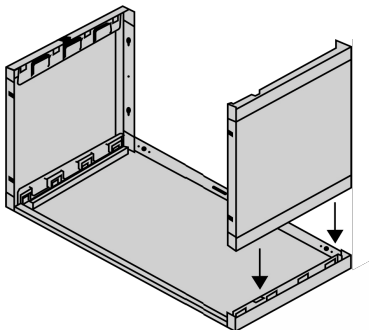
1. Set Bottom Panel on a flat clean surface.



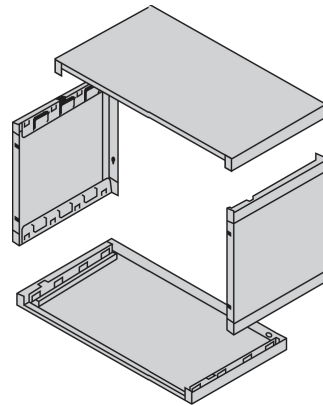
2. Locate Left Side Panel. Align panel in the Left Bottom Panel slot. Fully insert into Bottom Panel until locking tabs engage.



3. Locate Right Side Panel. Align panel in the Right Bottom Panel slot. Fully insert into Bottom Panel until locking tabs engage.



4. Locate Top Panel. Align top panel slots in the Right and Left Side Panels. Fully insert Top Panel into Right and Left Side Panels until locking tabs engage.

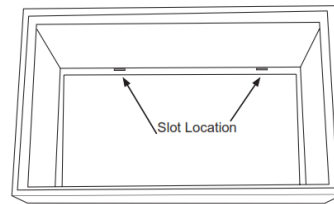


If required, attach the Weather Barrier to the rear of assembled wall sleeve with four push pins provided.

## Installing Rear Grille

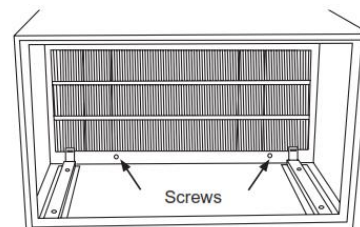
1. The two mounting tabs on the grille edge should be pointing upward.

Insert grille mounting tabs into the slots in the top flange of the wall sleeve. (Figure 8)



**Figure 8**  
**Mounting Slot Locations**

2. Line up the two holes in the bottom wall sleeve flange with the screw bosses in the grille. (Figure 9) Using two screws provided, secure grille to wall sleeve from inside of the wall sleeve.

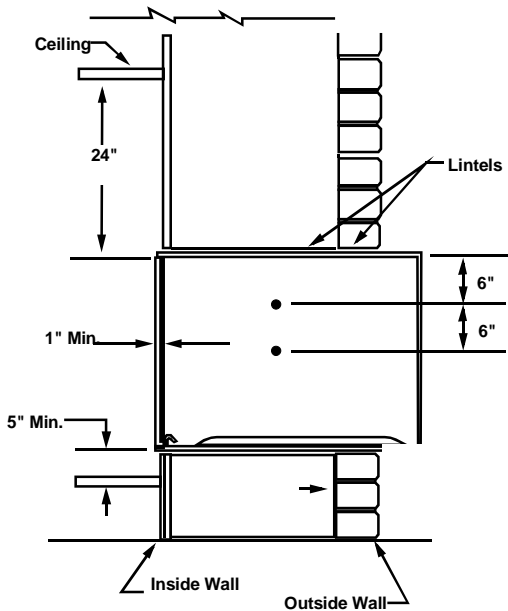


**Figure 9**  
**Mounting Screw Locations**

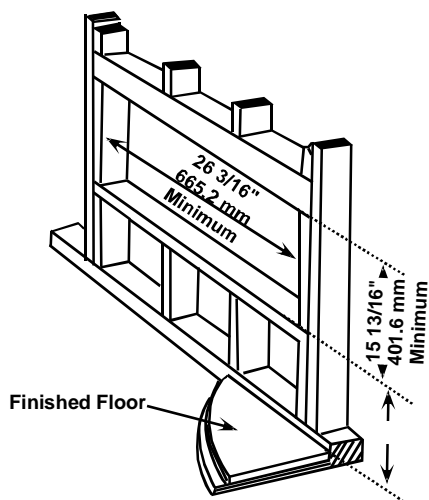
## Preinstallation Considerations

Before proceeding with the sleeve installation, ensure the following guidelines for locating the wall opening and sleeve are met:

- The opening must be the correct size. See Figure 1 for wall sleeve dimensions and Figure 3 for minimum wall opening size.
- The wall sleeve must be installed with a 5" minimum clearance to the floor and 1 1/2" to adjacent walls. See Figure 2 for minimum projections of the sleeve into and out of the room.

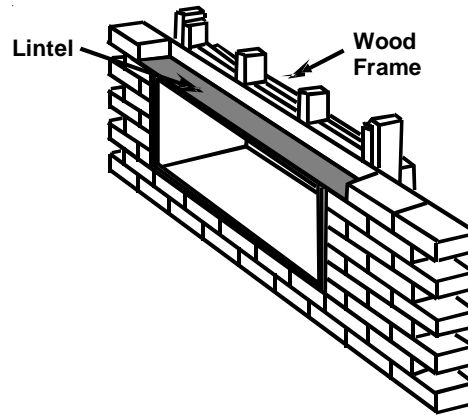


**Figure 2**  
Minimum Unit Clearances



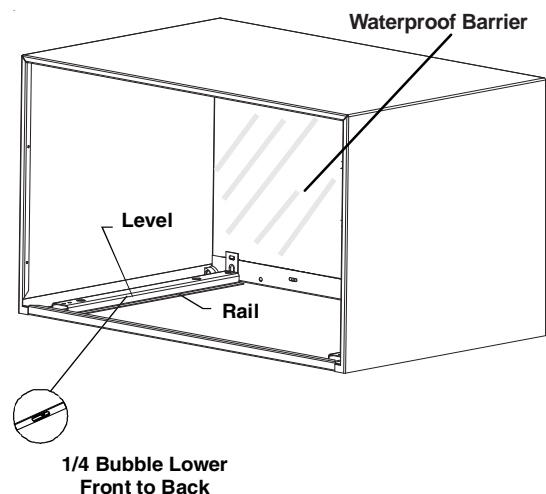
**Figure 3**  
Minimum Wall Opening Dimensions

- If installed in a concrete or masonry wall, a lintel must be provided in the wall opening for support. **Do not use the wall sleeve as a lintel.** If the wall is less than 8" thick or of hollow construction, an alternate means of support for the sleeve must be provided. See Figure 4 for a typical lintel construction.



**Figure 4**  
Framing with Lintel

- When installed in the opening, the wall sleeve must be level from side to side and sloped one quarter bubble front to back. **DO NOT SLOPE THE WALL SLEEVE TOWARD THE ROOM.** See Figure 5.

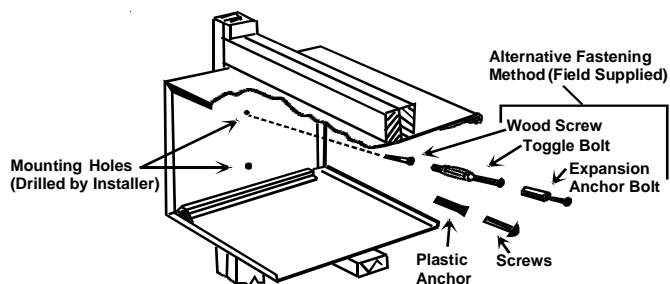


**Figure 5**  
Sleeve Installation

## Preinstallation Considerations (cont.)

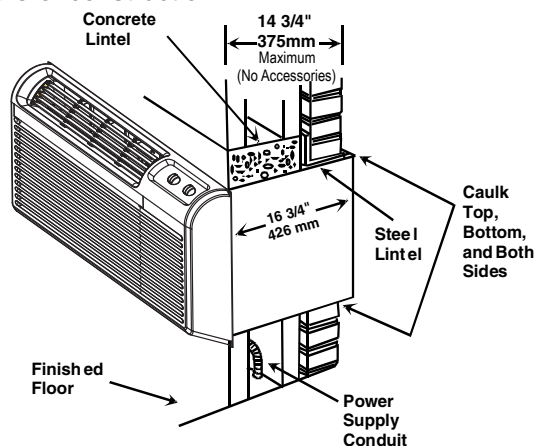
Waterproof barrier should remain in place until the unit is installed. An accessory metal front panel is available and sold separately.

- Attach the sleeve using four #12x2" wood screws (for wood constructed buildings) or four #12x2" masonry screws (for cement or brick constructed buildings) (Figure 6). Make sure the wall construction is adequate to support the unit.



**Figure 6**  
**Attaching Wall Sleeve to Opening**

- Provide adequate sealing and insulation around the sleeve after it is installed. See Figure 7 for one example of construction.



**Figure 7**  
**Block and Brick Veneer Installation**

- Do not use extension cords with the unit.

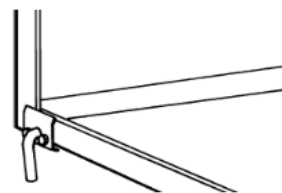
## Wall Sleeve Installation

After the wall opening is checked and approved for strength, location, size, and clearances, install the wall sleeve as follows:

1. Remove the outside enclosure panel from the wall sleeve.
2. Slide the wall sleeve into the wall opening. Do not distort the cabinet shape to fit the wall opening; the unit chassis must fit snugly and uniformly into sleeve.
3. Locate the sleeve within the range of minimum projections, as shown in Figure 2, so both sides are at least the minimum projection from the wall.
4. Check the level of the wall sleeve. For proper drainage, the sleeve should be level from side to side and one-quarter bubble front to back (outside).
5. Drill two holes in both sides of the wall sleeve so mounting screws can be secured to wall supports. See Figure 6 for location of screw holes. **DO NOT DRILL THROUGH BOTTOM OF SLEEVE.**
6. Check the level of the wall sleeve and adjust if necessary.
7. Caulk or seal around the outside of the entire sleeve.
8. If the unit chassis is not to be installed immediately, replace the enclosure panel on the outside opening of the sleeve to limit weather damage to the building interior.

## Condensate Drain Kit

A condensate drain tube is included. (Figure 10) Attached to bottom rear flange of wall sleeve with two screws provided. *For internal drain applications, install internal drain kit (sold separately) prior to installing the wall sleeve in the wall. See the drain kit for actual installation instructions.*



**Figure 10**  
**Condensate Drain**