

# Donatello Doors Installation Guide.

Please read all sections including:

Receiving	Pages 1 & 2
Installation	Pages 2 to 4
<b>ADJUSTMENT</b>	<b>Page 3</b>
Polar Shield	Page 4

## Preparing to receive your door

- 1) Your door will be delivered by a third party trucking company – depending on your location it may arrive on an 18 wheel truck or smaller box van.
- 2) The trucking company will call the day before delivery to make final arrangements. You will need to be prepared to receive the door when it arrives. Unless you tell us otherwise we always ask for a lift-gate to help you unload. You should have four strong workers available and also a forklift if possible. Note that as soon as the skid is removed from the delivery truck it is no longer covered by delivery insurance and is entirely in your care.
- 3) Installation of your door into a softwood frame requires: A) 2 of 3  $\frac{1}{2}$ " X  $\frac{1}{2}$ " Diameter Hex Head Lag Screws for each attachment lug. Usually there are 4 attachment lugs so you will need 8 screws (check your CAD drawing to find the number of Lag Screws needed). B) All weather caulking to seal around the doorjamb and under the threshold. C) Lockset if you did not purchase from Donatello Doors.
- 4) It is the trucking companies responsibility to deliver to curb side – not to any location within your property. Note that a double door unit weighs about 900 lbs., including the skid, and each door may be up to 300 lbs. If you have sidelights and transom it will weigh more. The preferable way of unloading a skid from the truck is with a forklift.
- 5) If you do not have a forklift, the skid is equipped with wheels in the center that are lowered using a lever on one side of the skid. Once the wheels are lowered four strong workers may move the skid onto the lift gate, which can then be lowered to the ground. It may be also possible to lower the skid into the back of a pickup truck.
- 8) READ THE INSTALLATION INSTRUCTIONS. It is most important to follow the installation procedure. Incorrect installation can result in doors that do not line up or close properly.

## Receiving your door

- 1) Count the number of Skids and check it with the bill of lading document (usually one door will be one skid)
- 2) If there is ANY evidence of damage to the product, note: RECEIVED W/ DAMAGE on the document you will be asked to sign. Also take pictures. We have insurance to cover damage or loss but we will need this information and pictures to make a claim. Make sure print your name on the delivery slip as well as sign it. Keep the copy of this slip safe.

## Unloading the Skid

If you have a forklift you should remove the skid from the truck first.

If you do not have a forklift, deploy the SKID WHEELS using the lever on the side of the skid. Two strong workers may maneuver the skid onto the lift gate so it can be lowered to the ground. It may be possible to back a pickup truck behind the delivery truck and lower the skid into the back of the pickup. You can then use the pickup to move the skid to a convenient location and unpack it at your leisure.

Once your order is off the delivery truck, the delivery driver's responsibility for it ends. You must handle the doors and jamb with care and make sure they are secured against theft or damage.

## Unpacking

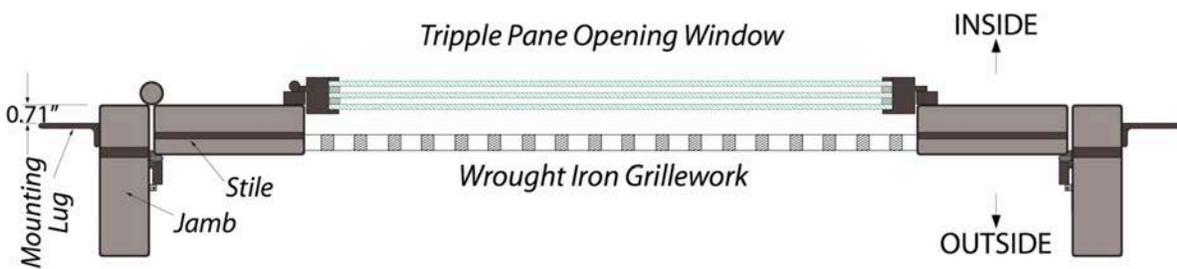
Doors are crated, one door per crate. After removal from the skid the crates should be laid with the printed side up. Crates are screwed together. **IMPORTANT, completely remove all the screws holding the top panel in place before removing the panel.** Doors should be left in the crates until you are ready to install them.

Jambs are similarly crated; remove all screws from top panel first.

## Installation

**Before installation, Make sure there will be no contact between the jamb / threshold with any wet or conductive material that could create a bridge around the thermal break.**

For simplicity of language, this guide is written assuming you have a double door. The installation of a single door is essentially the same. Here is a vertical cross section of a single door for reference:



**Cross section of Donatello Single Door with 2" X 6" Jamb**

## Installing the jamb

The jamb should be installed first, without the doors - since it is comparatively light and easy to maneuver into place. There are usually 4 lugs (and sometimes 6) welded to the jamb. These will be bolted into the framing from the inside of the house using the 3 ½" X ½" lag bolts.

*If you have separate sidelights you will use joining bolts to fix them to the doorjamb first. Apply all weather caulking between the sidelights and the jamb before joining. Once joined together, the whole unit is bolted to the house framing as per instructions below.*

*If you have a separate transom, it is mounted above the doorjamb and fastened into the framework just like the door. Install the doorjamb first and then the transom. Apply caulking to the bottom of the transom before joining to the doorjamb.*

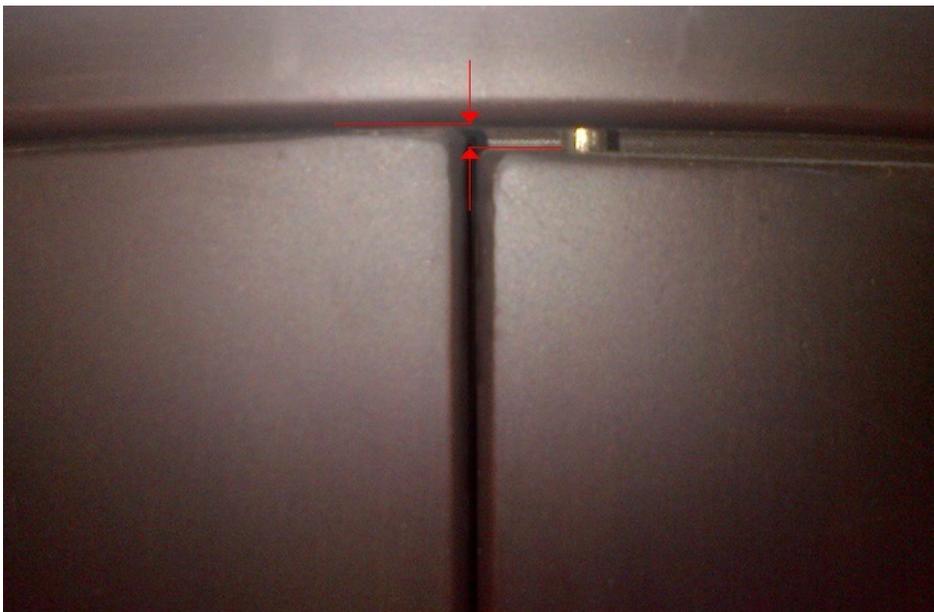
- 1) Bring the jamb into the rough opening first to be sure it fits properly. Adjust RO as necessary.
- 2) Lay down three ample lines of caulking on the subfloor. One at the outside extent of the threshold, one at the inside extent and one to coincide with the thermal break (2.2" from the inside edge). Plus add caulking at the left and right corners from inside to outside.
- 3) **Initially, only fasten the left and right top lugs to the framing with a single lag bolt in each lug.** This is necessary to allow for some adjustment of the jamb later.

### **Hanging the doors**

- 1) Remove the windows from the doors first by unfastening the latches and opening window 90° and then carefully sliding window off the hinges – do not let the window hinges touch the door face. Place windows safely to one side on a wood or cardboard surface.
- 2) Lightly grease the brass hinge bearings and drop one each over the hinge pins on the jamb. Do not get grease onto the doors surfaces as this can cause damage.
- 3) Lay some ½" plywood on the flooring to protect the floor and doors from damage.
- 4) Bring one door into position as if it were 90° open. Using two 2" X 4" pieces of wood as a lever and fulcrum, lift the door onto its hinge pins. Be careful not to allow the door or hinges to scrape on the jamb. Close the door and repeat sequence on second door.

### **Adjustment to the door fit**

- 1) Check doors line up in center – the image below shows an INCORRECT installation.



If there is a height mismatch, like in the above picture, the jamb is slightly out of square. You must move the bottom of the jamb to the left or right until the doors line up exactly. In the example above, the jamb **BOTTOM** must be moved **LEFT** slightly (or the **TOP** moved **RIGHT**). The door tops and bottoms will line up perfectly in the center when the jamb is square.

2) Next check that your doors close evenly from top to bottom. When you close your door, if the top or the bottom touches the astragal first, then the jamb is slightly twisted. You can adjust this by moving the appropriate lug inwards (towards the inside of the house) or outwards (towards the outside of the house) until the doors close evenly top and bottom at the same time.

3) After the jamb is adjusted correctly, secure the lower lugs in place with the lag bolts. Check the fit of the doors once again to make sure nothing moved while you were tightening the bolts.

4) **Finish by filling the external C section of the Jamb with insulating foam.**

### Install windows and lockset

Window hinges also have brass bearings, windows must be lifted into place and latched closed.

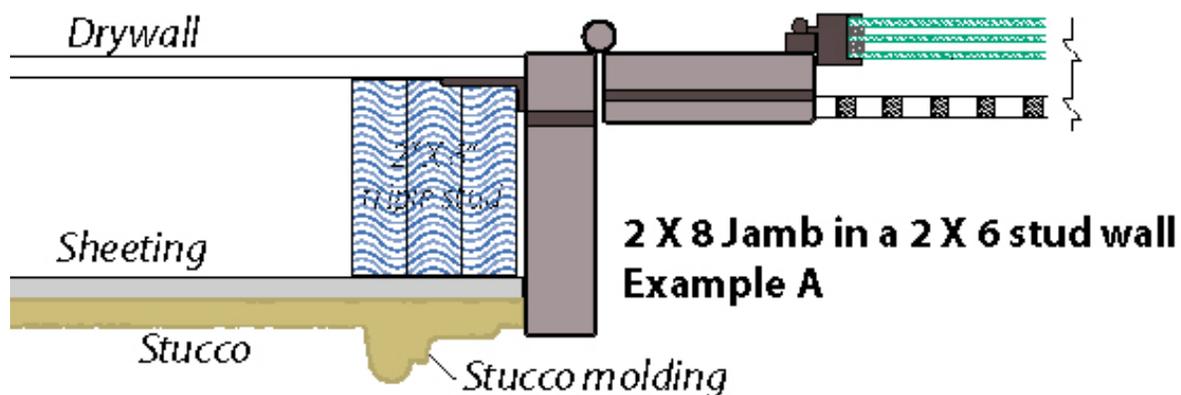
Install the lockset and handles on the active door. All thumb press locksets must have a "Thick Door Kit" installed. This provides a longer activator that can reach to the latch mechanism. A small amount of silicone sealant should be put under the bezels to help prevent air incursion.

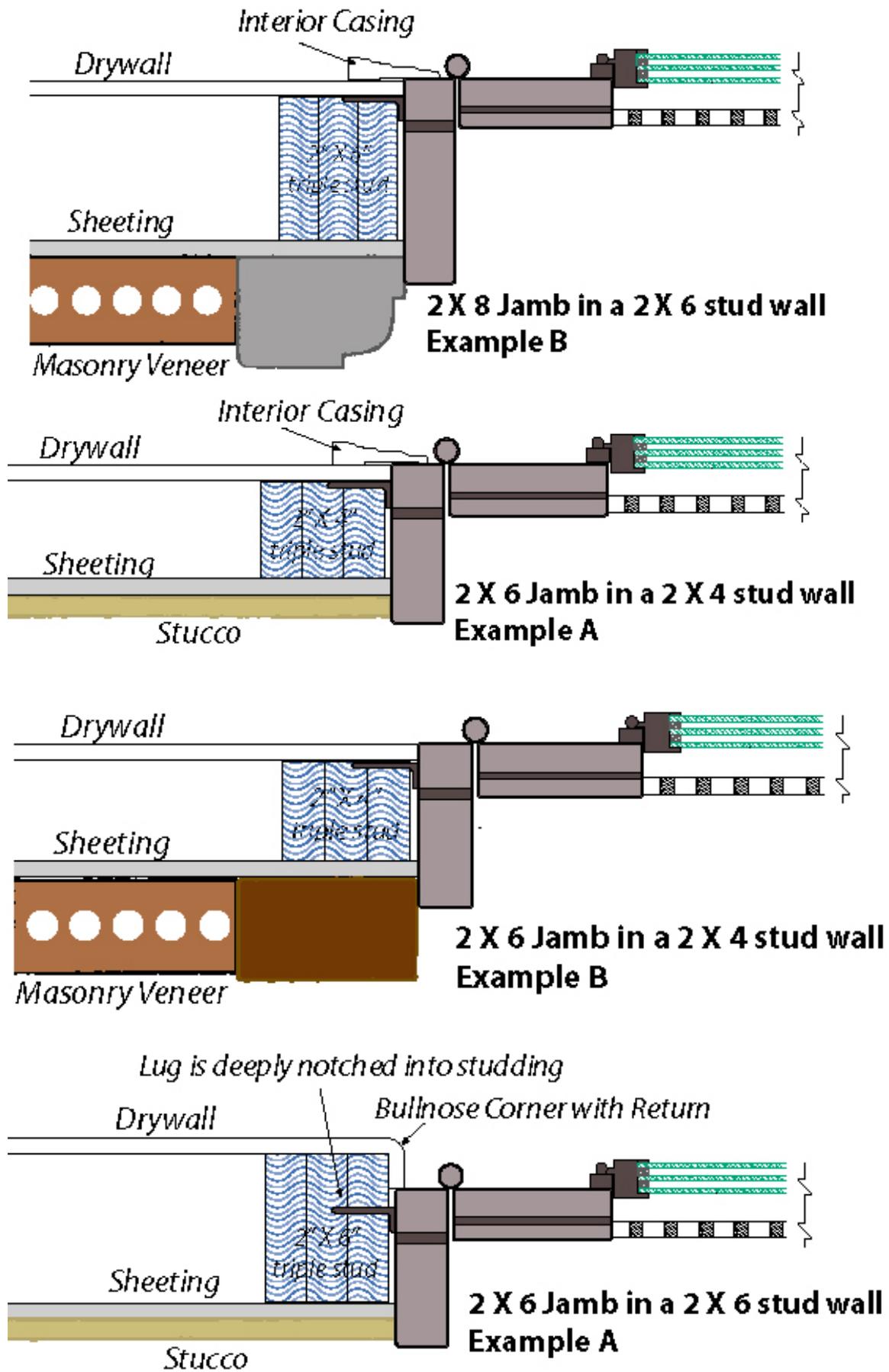
Install the dummy handle on the inactive door (the door with slide bolts). Your doors will be pre-bored to accept the lock body, latch and striker plates. The edge borings have drilled and tapped holes that accept the machine screws that hold latch and strike plates. On double doors, after installing the latch strike plate, **the tongue of that plate must be bent 30° more** to allow the doors to close without the tongue hitting the inside astragal.

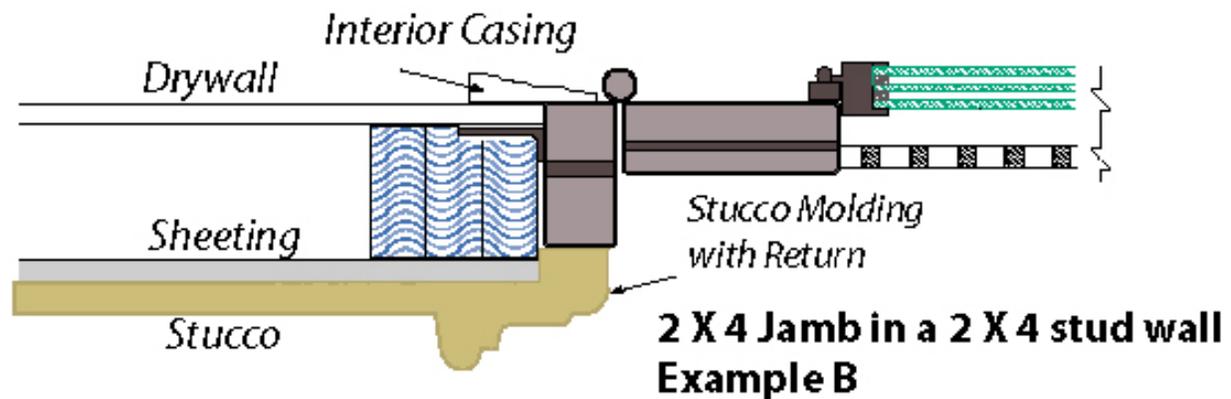
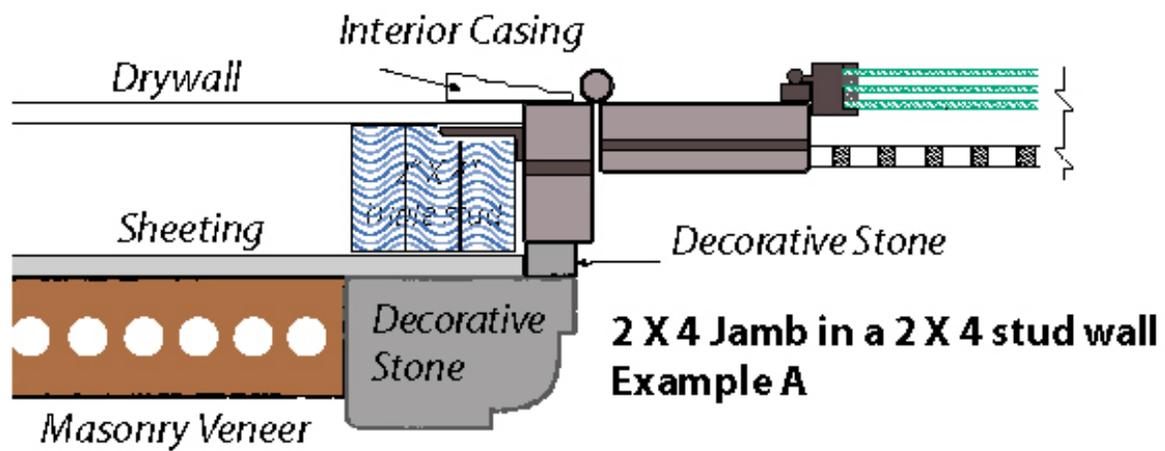
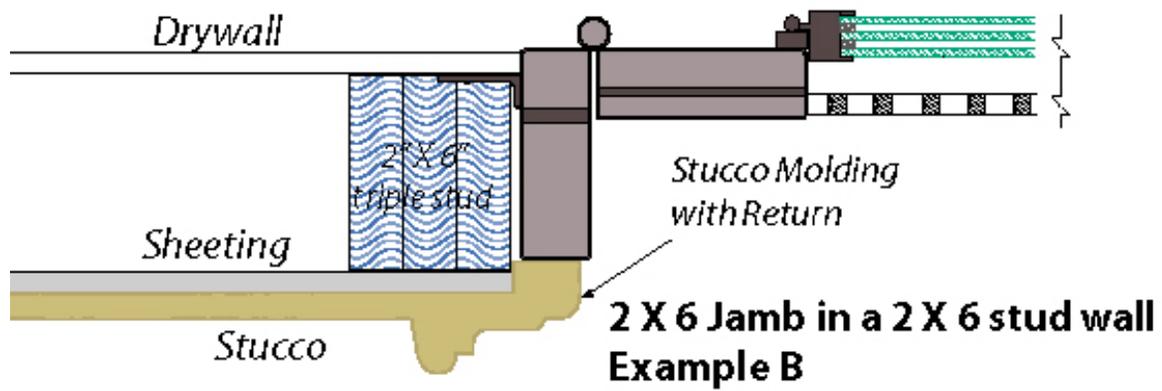
Please refer to other instructions that come with the lockset for this installation. Locksets should have sealant applied under the bezels during installation. The dummy lockset cavity should be completely filled with foam after installation

### Install Trim

Below are some examples of door installations you may use as a guide to final trim options:







Please [contact us](#) if you have any questions or require help with your installation.