



## Door Installation Instructions

Chicago Bullet Proof's door/frame assemblies are similar to hollow metal doors, however, they are much heavier and there is less room for error during installation. For this reason, we recommend supplying our doors and frames pre-hung and swung from the factory. Wood veneer doors must be stored per CBP recommendations until time of install and unfinished doors should be finished within a timely manner to prevent delamination. DO NOT INSTALL if veneer is damaged or delaminating – it must be returned to the factory for repairs.

1. CBP bullet resistant steel door and frame assemblies are pre-hung and swung at the factory, carefully packed, and thoroughly inspected before leaving the factory. Any damage upon delivery must be noted on the delivery receipt – claims for loss or damage must be made directly to the carrier. Failure to properly notate and document damage may result in carrier refusing to honor the claim.
2. Check the Door/Frame for all included hardware as listed on the packing list.
  - A. **Installation with Masonry T-Anchors:** Utilize the corrugated T-shaped anchors included with the frame. Erect the door/frame within the designated space, anchoring to floor through heel plates in jambs. Note: The spreader bar across the jambs may be removed prior to installation. Square and plumb frame. Position T-Anchors so that one set engages between the 1<sup>st</sup> and 2<sup>nd</sup> course from the floor, one set engages at approximately the midpoint of the frame, and the third set engages between the course nearest the head of the frame.
  - B. **Installation with Existing Masonry or other Anchors:** Verify that rough opening dimensions are as shown on approved shop drawings. Erect, square, and plumb the door/frame within the wall opening. Block into place. Note: The spreader bar across the jambs may be removed prior to installation. Bolt and screw anchors must be supplied by the installer in accordance with the wall conditions.

*For existing masonry:* CBP Recommends Hilti Kwikbolt 3/8" x 5"L Minimum Wedge Anchor or equal.

*For framed construction:* CBP Recommends #12 or #14 x 5"L Minimum Wood or Sheet Metal Screws
  - C. **Installation with Clamp-On Frame:** Verify that finished opening dimensions are as shown on approved shop drawings. Position door hung within "front" frame into the wall opening. Shim and block "front" frame with door as required until plumb and square. Slip the "back" half of the frame into place so that it fits tightly against the wall. Open the door and draw frame halves together with clamps. Drill and tap ¼"-20 holes into the "back" frame using holes in "front" frame as a template. Secure frame halves with machine screws provided by the factory. CBP additionally recommends the installer anchor frames using bolt or screw anchors supplied by the installer in accordance with the wall conditions.
3. Following the hardware manufacturer's instructions, install the lockset trim (handles and roses) on the Door. Note that the keyed cylinder is located on the threat side or exterior of the door. Open and close door to assure it swings properly and lockset functions properly. Note: During transit the door may settle into the frame slightly and it may be necessary to "spring" the hinge. This is done by opening the door slightly and inserting a strip of 1/8" x 2" hardboard in between the leaves of the hinge. Gently close the door against the hardboard to spring the hinge and tighten the gap on the latch side.
4. Install closer, strike assembly, weatherstripping, threshold, and any other hardware as applicable per the manufacturer's instructions.