



## Window Frame Installation Instructions

Chicago Bullet Proof's window frame assemblies are similar to other steel and aluminum frames; however, they are much heavier and there is less room for error during installation.

1. CBP bullet resistant window frame assemblies are pre-assembled 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 packaging for all included hardware as listed on the packing list.
3. Set Window Frame with appropriate anchors for wall conditions per below with removable glass stops on the secure side.

- A. **Installation with Existing Masonry or other Anchors:** Verify that rough opening dimensions are as shown on approved shop drawings. Place, square, and shim the frame within the wall opening. 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 3"L Minimum Wedge Anchor or equal.

For framed construction: CBP Recommends #12 or #14 x 3"L Minimum Wood or Sheet Metal Screws

- B. **Installation with Clamp-On Frame:** Verify that finished opening dimensions are as shown on approved shop drawings. Position "front" frame into the wall opening. Shim and block "front" frame as required until plumb and square. Slip the "back" half of the frame into place so that it fits tightly against the wall. Draw frame halves together with clamps. 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.
4. Carefully uncrate glass and remove glass stops from frame. Note that even though this material is bullet resistant it will still crack or scratch if improperly handled. Follow glazing manufacturers guidelines for installation using rubber setting blocks and natural voice spacers supplied by CBP if applicable. Natural voice spacers may be utilized in lieu of wet glazing frame head/jamb. If provided, place spacers every 12" or so on center within head and jamb around the edge of the glazing material.
  5. Replace glass stops trimming off excess from spacers and/or setting blocks with a carpenters knife. IF NATURAL VOICE SPACERS ARE SUPPLIED DO NOT SEAL GLASS INTO FRAMING. THIS WILL INHIBIT NATURAL VOICE TRANSMISSION.