INSTALLATION INSTRUCTIONS FOR STEEL FRAME - EXISTING MASONRY CONSTRUCTION

Tools & Materials You Will Need:

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; Thick Wood Spreader</td>
<td>1</td>
</tr>
<tr>
<td>Long Carpenter’s Level</td>
<td>1</td>
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<tr>
<td>Carpenter’s Square</td>
<td>1</td>
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<tr>
<td>Shims</td>
<td>1</td>
</tr>
<tr>
<td>Hammer</td>
<td>1</td>
</tr>
<tr>
<td>Flathead Screwdriver</td>
<td>1</td>
</tr>
<tr>
<td>Masonry Hammer Drill &amp; Carbide Drill Bits</td>
<td>1 doz.</td>
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<tr>
<td>3⁄8&quot; Dynabolts</td>
<td>1 doz.</td>
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</table>

Remember: Always use the appropriate personal protective equipment.

Jobsite Storage: Store frame off the ground on wood runners or skids. DO NOT STORE directly on the ground. Cover frames with tarpaulin or plastic, ensuring that adequate ventilation is provided to eliminate moisture condensation.

When frames are fully grouted and/or when plaster or mortar contain “anti-freeze” agents, the inside of the frames should be coated with a bituminous, water-resistant paint by the installation contractor.

PREPARE FRAME FOR INSTALLATION

1. Step 1 -
   Determine where anchors need to go into wall and pre-drill a ¾" diameter hole on the frame stops centering at 7⁄8" (see illustration).

You will need two ¾" Dynabolts to go through each side, with a total of 4 per frame.
2 ATTACH BUTTERFLY ANCHORS

Step 1-
Install existing opening butterfly anchors to align with holes (you drilled in Procedure 1 - Step 1) by compressing wings to match jamb depth.

Step 2-
Position one wing under backbend while placing tube in frame stop channel over previously made hole.

Step 3-
Snap remaining wing under opposite backbend.

3 ASSEMBLE FRAME

Step 1-
Check opening size - there should be ¼" clearance on height and ⅜" clearance on width.
3 ASSEMBLE FRAME

Step 2-
Assemble header to frame sides by taking header and aligning the head tabs and sliding into frame sides.

Step 3-
Bend corner tabs toward inside of frame using a hammer.

Step 4-
Bend frame tabs towards outside of frame sides using a flathead screwdriver or a hammer.

Step 5-
Place assembled frame into opening inside masonry wall.

Use tapered shims between anchors, wall and wood spreaders to maintain squareness and alignment of frame.

If possible, one of the frame sides should be butted tightly to the wall.
4 PREPARE OPENING FOR INSTALLATION

Step 1-
Using a ¾” diameter carbide drill bit, pre-drill holes through frame.

Step 2-
Using a masonry hammer drill, drill at 1½” depth and finish drilling holes into masonry wall.

5 SECURE FRAME INTO OPENING

Step 1-
Drive Dynabolt through frame into wall using a hammer until bolt head is close to being flush with frame.

Step 2-
Expand anchor by tightening head 2-3 turns.