

### REDIFLEX® ADJUSTABLE FRAME INSTALLATION PROCEDURE

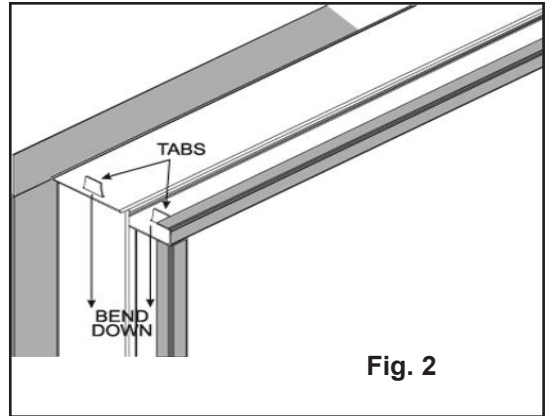
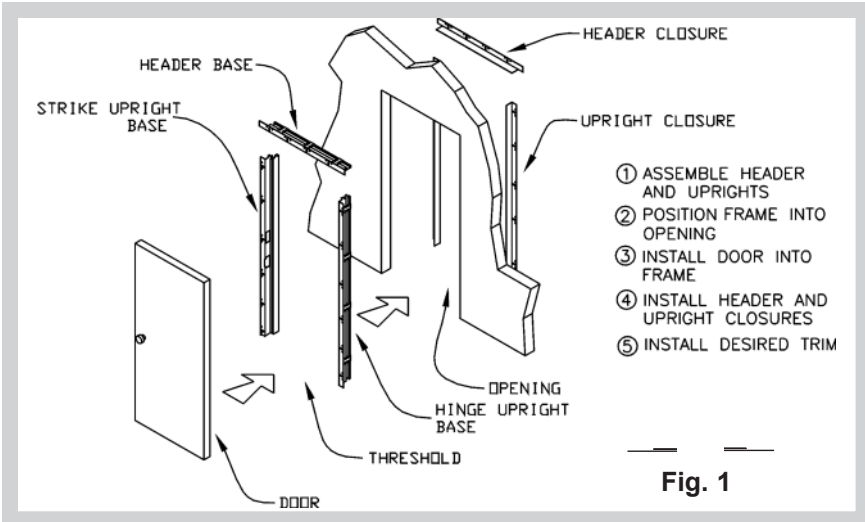


Fig. 2

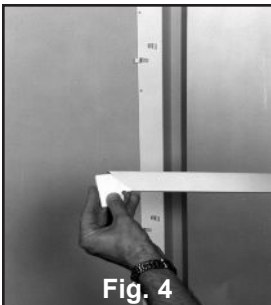


Fig. 4



Fig. 5



Fig. 6

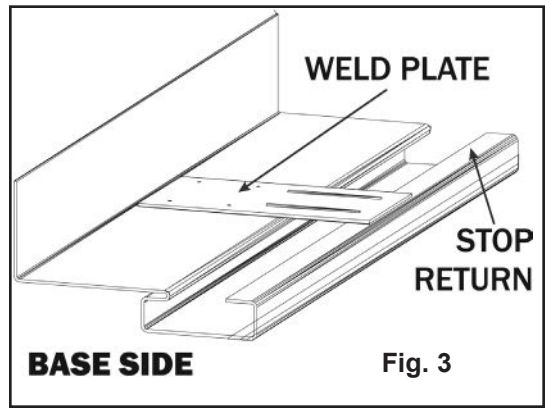


Fig. 3

- 1 Open carton and remove all frame components.** Inspect for any damage. If damage is apparent, notify dealer or sales representative immediately to expedite replacement.
- 2 Assemble base side of frame** (which consists of hinge jamb, strike jamb, and header) by placing the face or nailing flange face down on a flat surface. (Fig. 1). Insert tabs which are located on the ends of the jambs into the slots in the header. Bend tabs outward and down to secure tight fit between the jambs and header (Fig. 2). Stand frame upright and place into rough opening. **Note:** If using threshold, install prior to placement into rough opening.
- 3 Square header and hinge jamb** by using a carpenter's square, then secure the corner of the header. Using a level, plumb the hinge jamb and secure (begin at the top). Repeat process for strike jamb.
- 4 Install door and close in frame opening** using the door as a template. Adjust frame to door so that clearances between the door and the frame are equal and between 1/16" – 1/8" (2 – 3cm). After adjusting for proper fit, secure with recommended screws.
- 5 Install closure pieces** from rear side by guiding closure between plate and stop. Begin at either end of any closure piece. It may be necessary to apply slight pressure to the outside of frame at start point to allow closure to go between plate and stop. When all closure pieces are installed and clearances

set, fasten to wall.

- Note:** While installing closure pieces, make sure the closure goes between the stop return and each individual weld plate of the base side of frame (Fig. 3).
- 6 Install weatherstripping** or smoke gasketing as required, lockset, and adjustable strike. Adjust strike to remove any movement of door after latching. Add additional fasteners if required.
  - 7 To apply WOOD casings,** locate "T" mark on face of frame. Place edge of casing parallel to "T". Locate casing nail approximately 1/2" (13cm) back from top of "T" and centered, then drive. This will allow nailing through the frame through the oval slot (Fig. 10, Fig. 12).
  - 8 To apply STEEL, ALUMINUM and S56 STEEL COLONIAL casings,** slide corner alignment pieces into header ends so the edges of corner pieces are securely fitted inside the casing channel. Center header casing on frame and snap into place by hooking casing edge under outside of casing lance, then snapping over inside of lance. **DO NOT FORCE CASING OVER BOTH SIDES OF LANCE SIMULTANEOUSLY.** Hold jamb casing at a slightly outward angle and fit mitered end over corner piece protruding from header casing; push upward to meet miter of header casing. Make certain that jamb casing is aligned with jamb casing lances (tap header left or right as needed with hammer handle) and hook casing over outside lance. Survey miter joint for secure fit (adjust header casing

left or right as needed), then snap casings over inside of lance and complete opposite sides (Fig. 4,5,6,9,12).

**TO REMOVE CASING,** use a small common screwdriver with a flat edge or a stiff putty knife. Start at the bottom of the upright casing on the **inside** of the frame. Gently insert the edge of the screwdriver between the casing and the leg of the frame. Slowly work the screwdriver up the casing to the first lance. Rotate the screwdriver in a **counter-clockwise** motion; the casing will pop off the inside curl of the lance. Repeat this procedure with remaining lances. After all inside lances have been cleared, gently ease the casing from under the **outside** lance curl and remove.

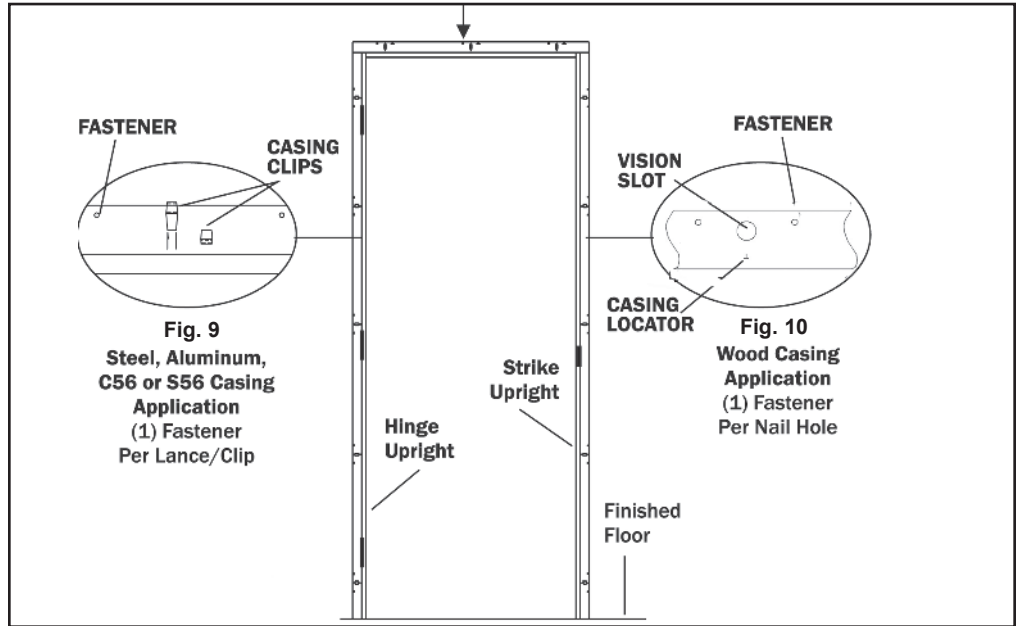
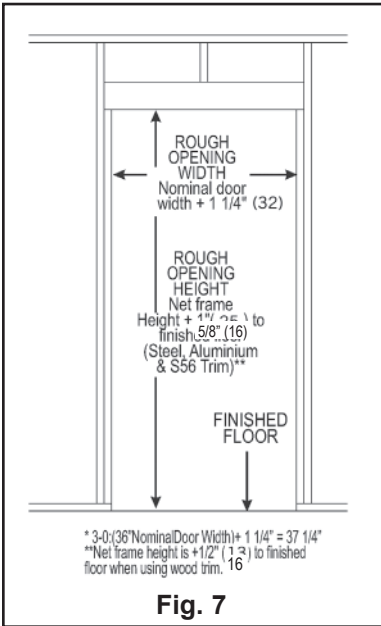
#### PRODUCT APPLICATION REQUIREMENTS

**PAINT:** Primed units should be painted within 30 (thirty) days with an oil-based enamel (recommended) or a high quality water base latex. A flash rust inhibitor must be used with water base latex method.

**PAINT INSTRUCTION DETAILS:** (1) Wet-clean with mild abrasive cleaner. Rinse completely and wipe dry; (2) Use a high quality interior or exterior (depending upon application) paint to finish the frame. Apply paint when temperature is above 50 degrees F and humidity is below 90%; (3) **DO NOT PAINT WEATHERSTRIP.** Kerf weatherstrip can be temporarily removed for painting. Consult factory.

**WEATHERSTRIP:** Products such as Ultra or Pemko that compress to 1/16" (2) maximum is recommended. NOT meeting this requirements COULD result in hinge bind.

# REDIFLEX® FRAMING and FASTENING SCHEDULE

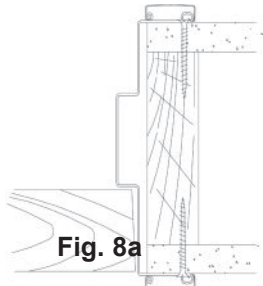


**NOTE:** Local building codes vary in placement and number of fasteners required.

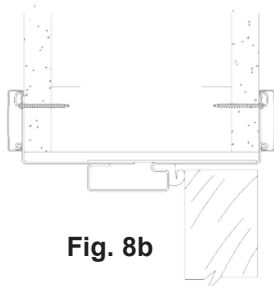
**NOTE:** Before Fastening, determine hardware and reinforcements to be used (thresholds, closer, etc.) Ensure frame is not twisted.

**NOTE:** ON FIRE-RATED FRAMES, fasteners must be a minimum of 1/2" (13mm) longer than the thickness of the drywall or sheathing applied to the stud.

**POSITIVE PRESSURE REQUIREMENTS:**  
CATEGORY "A" DOORS: No additional edge sealing required.  
CATEGORY "G" DOORS: Intumescent edge seal (sold separately) is required.



Wall Construction:  
**Wood Studs & Drywall**  
Recommended Fasteners:  
**1-1/4" (32mm) (min.)**  
**Drywall Screws,**  
**Coarse Threads**



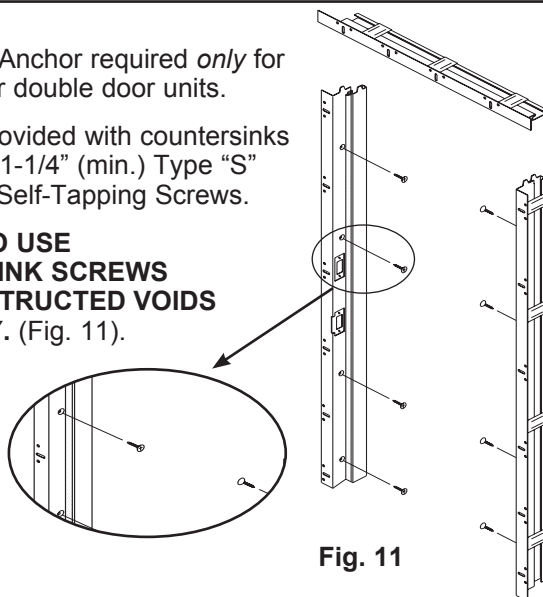
Wall Construction:  
**Metal Studs & Drywall**  
Recommended Fasteners:  
**1-1/4" (32mm) (min.)**  
**Type "S" Bugle Head**  
**Self-Tapping Screws**



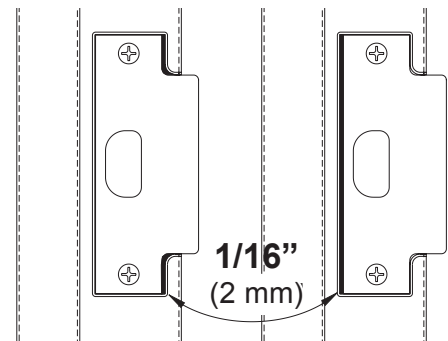
Example:  
**Steel & Aluminum Casing:**  
1-1/2" (38mm) + 1/2" (13mm)  
= 2" (51mm)  
**S56 Casing:**  
2-1/4" (57mm) + 1/2" (13mm)  
= 2-3/4" (70mm)

## COUNTERSINK ANCHORING

- 1** Countersink Anchor required *only* for Fire-Rated or double door units.
- 2** If frame is provided with countersinks in soffit, use 1-1/4" (min.) Type "S" Bugle Head Self-Tapping Screws.
- 3** **FAILURE TO USE COUNTERSINK SCREWS WHERE INSTRUCTED VOIDS WARRANTY.** (Fig. 11).

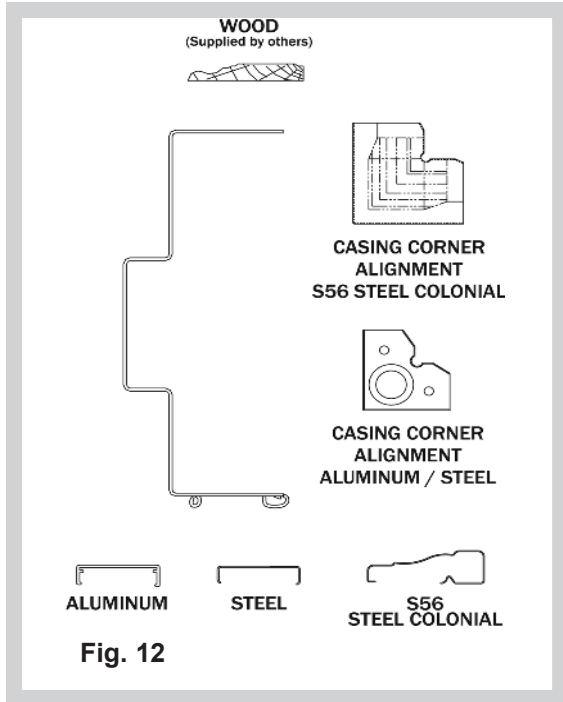


## ADJUSTABLE ASA STRIKE EMBOSS AND BACKUP PLATE



- 1** Loosen Screws
- 2** **Adjust Strike:** strike plate can be moved 1/16" (2mm) horizontally to accommodate strike position.
- 3** Retighten Screws
- 4** No Grinding Strike Plate Required

# CASING OPTIONS

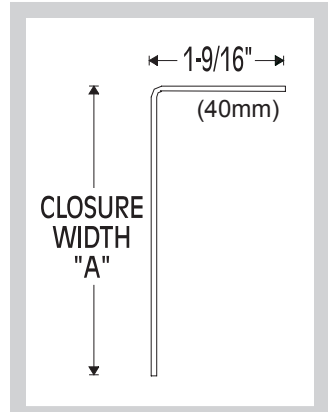


# CLOSURE WIDTH CHART

KERF REDIFLEX		
WALL SIZE	CLOSURE WITH "A"	
4" - 5"	(102-127mm)	1-1 1/2" (48mm)
4-1/2" - 5 1/2"	(114-140mm)	2" (51mm)
5-1/2" - 6-1/2"	(140-165mm)	3" (76mm)
6-1/2" - 7-1/2"	(165-191mm)	4" (102mm)
7-1/2" - 8-1/2"	(191-216mm)	5" (127mm)
8-1/2" - 9-1/2"	(216-241mm)	6" (154mm)
9-1/2" - 10-1/2"	(241-267mm)	7" (178mm)

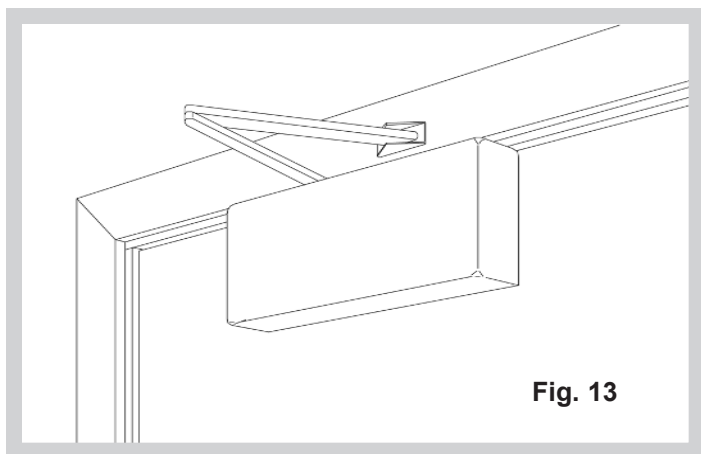
  

REGULAR REDIFLEX		
WALL SIZE	CLOSURE WITH "A"	
4" - 5-1/4"	(102-144mm)	2" (51mm)
5" - 6-1/4"	(127-159mm)	3" (76mm)
6" - 7-1/4"	(154-184mm)	4" (102mm)
7" - 8-1/4"	(178-210mm)	5" (127mm)
8" - 9-1/4"	(203-235mm)	6" (154mm)
9" - 10-1/4"	(229-260mm)	7" (178mm)

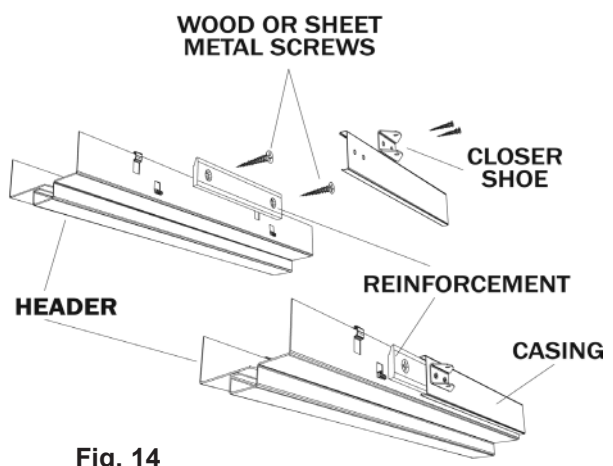


**REFER TO THIS CHART TO VERIFY CORRECT CLOSURE WIDTHS FOR WALL SIZE.**

# INSTALLATION OF REGULAR ARM CLOSER REINFORCEMENT



- 1 Position closer reinforcement on header where the door closer shoe is to be mounted (Fig. 13 & 14).
- 2 Mount the reinforcement flush with the header face.
- 3 Drill 3/16" (5mm) pilot holes in the header through the countersunk holes in the reinforcement and secure with 1-1/4" (32mm) Type "S" Bugle Head Self-Tapping Screws.
- 4 Install header casing.
- 5 Position closer shoe on frame and drill pilot holes through the casing and regular arm closer reinforcement.
- 6 Tap these holes as per the Closer Installation Instructions.
- 7 Secure the closer shoe to the frame.



  
**LISTED FRAMES**  
 CLOSER REINFORCEMENT IS OPTIONAL. IF REINFORCEMENT IS NOT USED, THROUGH BOLT INSTALLATION IS REQUIRED.

# INSTALLATION OF PARALLEL ARM CLOSER REINFORCEMENT

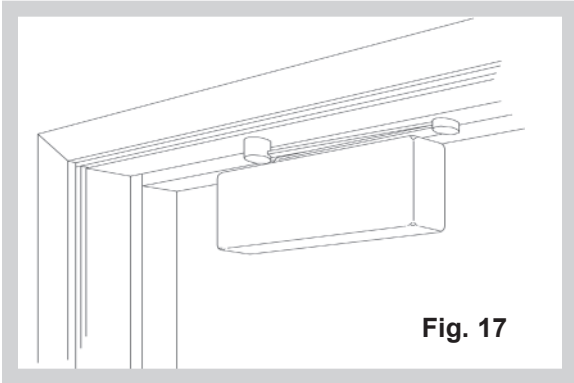


Fig. 17

- 1 Clean general area where Parallel Arm Closer Reinforcement is to be positioned on header with solvent.
- 2 Expose double face tape by removing paper backing on two strips of tape (Fig. 15) and press into position to secure the sleeve to the header (Fig. 16).
- 3 Drill and tap through frame and reinforcement for closer shoe attachment (Fig. 17).
- 4 Install frame and door in conventional manner.

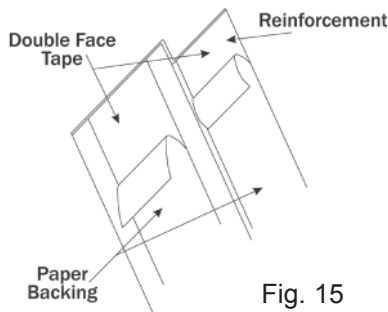


Fig. 15

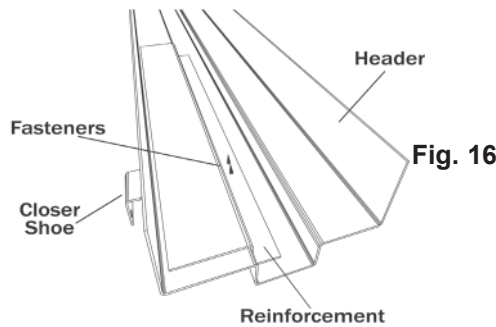


Fig. 16

**WARNING**  
THE PARALLEL ARM CLOSER REINFORCEMENT SLEEVE MUST BE ATTACHED **BEFORE INSTALLING** THE DOOR FRAME.

# INSTALLATION OF RIM EXIT DEVICE

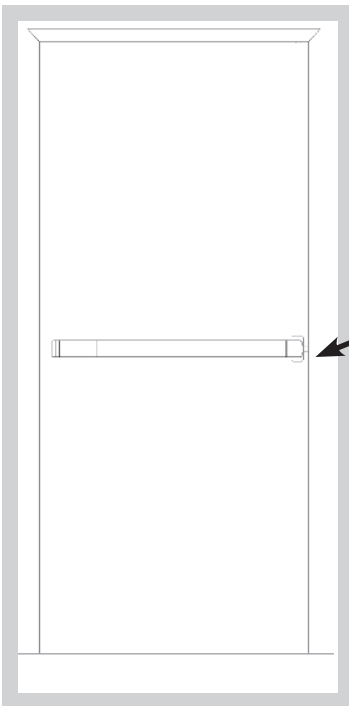


Fig. 20  
Surface-Applied Strike

- 1 Clean general area with solvent where Rim Exit Reinforcement is to be positioned on upright.
- 2 Expose double face tape by removing paper backing on two strips of tape (Fig. 18) and press into position to secure the sleeve to the frame (Fig. 19).
- 3 Drill and tap through frame and reinforcement for hardware attachment (Fig. 20).
- 4 Install frame and door in conventional manner.

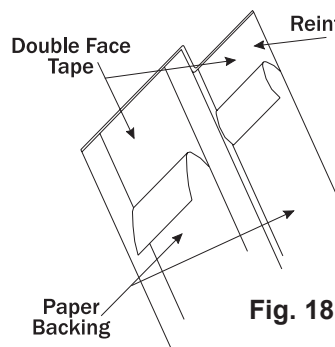


Fig. 18

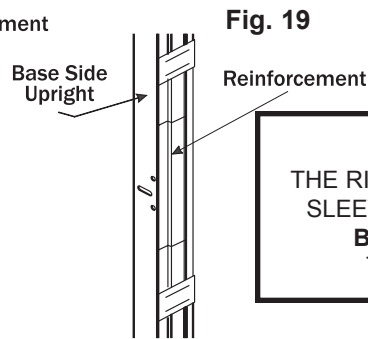


Fig. 19

**WARNING**  
THE RIM EXIT REINFORCEMENT SLEEVE MUST BE ATTACHED **BEFORE INSTALLING** THE DOOR FRAME.



# REDIFLEX

1101 Technology Drive | Dothan, Alabama 36303  
**800.633.7553** | 334.794.9184 fax  
 www.dunbarton.com | sales@dunbarton.com



**Scan to go directly to Installation Videos Web Page.**