

ANCHOR SYSTEMS FOR F, FN, MU, FE and DE SERIES FRAMES:

ANCHORING AND INSTALLATION NOTES:

1. All Frames in this category are supplied standard with masonry wire or lock-in jamb anchors and adjustable base anchors. Anchors are designed for maximum wall/frame engagement and installation flexibility.

2. Anchoring Applications:

- **Masonry Wall** – Masonry wire anchors (3/16" [5mm] diameter) provide maximum engagements in mortar joints, and allow for full internal grouting during installation. The anchor is to be spread wider than the jamb depth and twisted into position. Adjustable base anchors are attached directly to the floor and adjusted. The wall is built around the anchored frame.
- **Existing Masonry Walls** – Specifically designed (18Ga.) jamb anchors are used to add support for bolting the frame into the rough opening of an existing wall.
- **Wood Stud Walls** – Lock-in (18Ga.) jamb anchors are designed to be attached to the wood studs of a rough opening.
- **Steel Stud Walls** – Lock-in (18 Ga.) jamb anchors are designed to be attached to the webbing of the closed steel studs which are built around the frame.
- **Universal Stud Wall Anchors** – Universal lock-in (18 Ga.) jamb anchors are designed for use in either wood or steel stud wall applications. Maximum jamb depth is 9-1/2".

3. Adjustable Base Anchors:

- Field attached (16 Ga.) base anchors provides direct attachment and adjustability for out of level base surface conditions.
- If frame is NOT to be set directly on the floor (slab) adjust base anchor UPWARD as required.

4. Special Frame Anchors: Anchor details and availability of lock-in anchors will vary with the following frame profile changes:

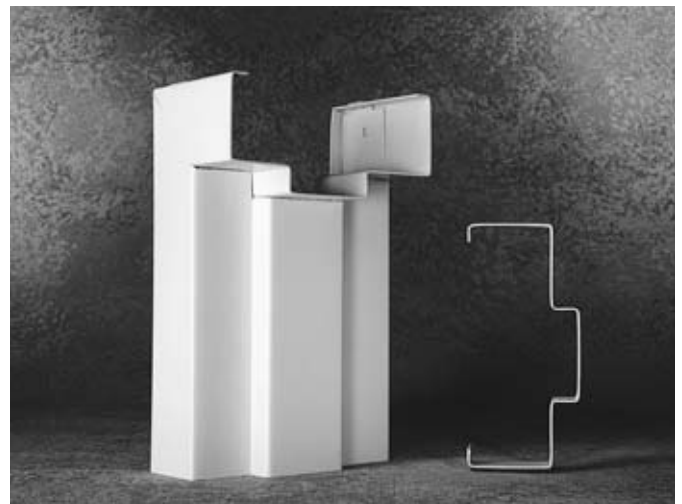
- **Single Rabbet** – all details will vary.
- **Double Rabbet** – weld-in anchors required over 9-1/2" jamb depth.
- **FE and DE-Series Double Egress Frames** – Anchor details will vary due to frame and application conditions.

5. Installation shall conform to the published Steelcraft installation instructions, ANSI A250.11 *Recommended Erection Instructions for Steel Frames*, and HMMA 84.

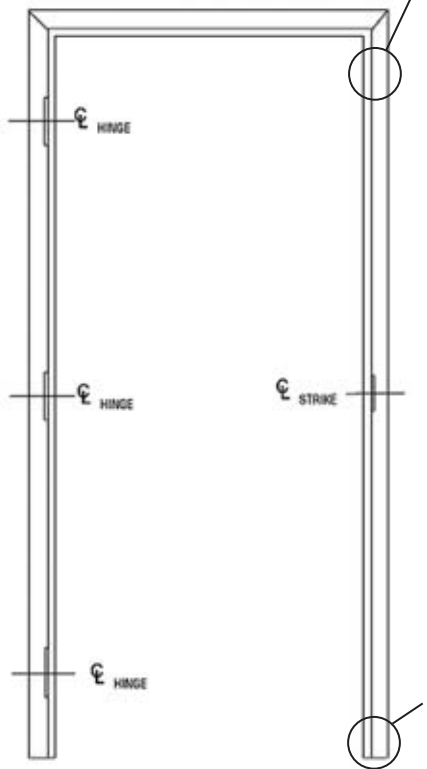
6. Installation Caution Notice – Grouted Frames:

- When temperature conditions necessitate an additive to be used in the plaster or mortar to prevent freezing, the contractor installing the frames must coat the inside of the frames in the field with a corrosion resistant coating per ANSI A250.11 *Recommended Erection Instructions for Steel Frames*.
- When frames are to be grouted full, silencers must be field installed prior to grouting.
- Steel frames, including fire rated frames, do not require grouting. Grouting is not recommended for frames in drywall.

7. All Fire Rated frames must be installed in accordance with NFPA Pamphlet 80 and the *Authority Having Jurisdiction*.

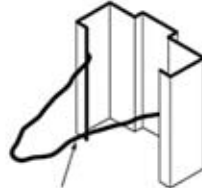


Standard Lock-In Jamb Anchors are supplied on standard F Series frames having 2" faces



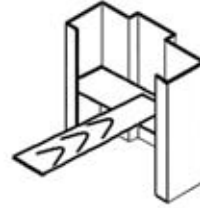
Masonry Wall Applications

Wire Masonry Anchor



3/16" (5mm) dia. wire

Masonry "T" Anchor

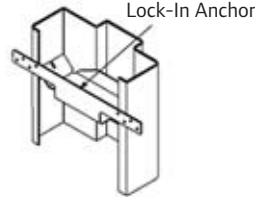


Existing Wall Anchor



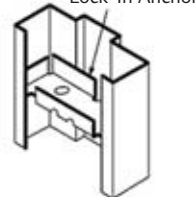
Stud Wall Applications

Universal Stud Anchor



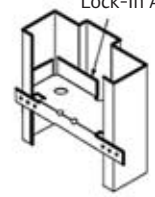
Lock-In Anchor

Anchor for Steel Stud Partition



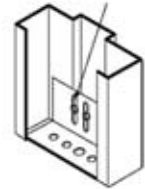
Lock-In Anchor

Anchor for Wood Stud Partition



Lock-In Anchor

Attached with S.M. screws furnished



Adjustable Sill Anchors are provided as standard

Maximum adjustment
1-3/8" (35mm)
below bottom of frame

Anchor Quantities:

- 3 per jamb through 7'-6" height
- 4 per jamb over 7'-6" to 12'-0" height
- 1 adjustable base anchor per jamb

Anchor Locations:

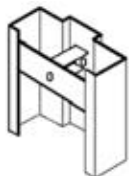
- Locate all anchors on hinge jamb as close to top of hinge reinforcement as possible.
- Locate anchors on strike jamb in the corresponding position as the hinge jamb.

Specialty Weld-In Jamb Anchors are supplied for custom frames and special wall applications when specified.

Masonry Wall Application



Existing Wall Anchor

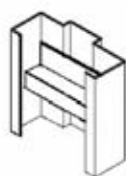


Weld-In Tube & Strap Anchor for Special Profile Frames

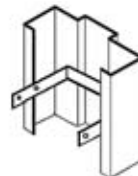


Weld-In Yoke & Strap Masonry Anchor

Stud Wall Anchors

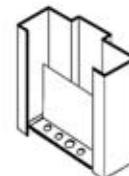


"Z" Steel Stud Weld-In Anchor for Special Profile Frames

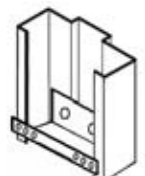


Weld-In Wood Stud Anchor

Sill Anchors



Weld-In Floor Anchor



Weld-In Wood Stud Base Anchor