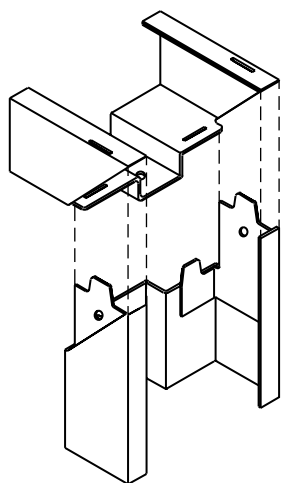


# STEELCRAFT®

## FN18-SERIES FLUSH FRAMES



### FEATURES AND BENEFITS:

Steelcraft's FN18-Series Flush Narrow 1" (25mm) Face Frames offer the following unique features which enhance long term functionality and durability.

1. **Narrow 1" (25mm) face** provides a very slim appearance to the door opening.
2. **Die-mitered corner connections** to insure attractive, tight and closed miters.
3. **Rubber silencers** are factory installed.
4. **Factory applied baked on rust inhibiting primer** in accordance with ANSI A250.10.

### ABOUT THE PRODUCT:

The FN18-Series 3-Sided Flush Narrow 1" (25mm) Face Frames are designed for light commercial applications. They can be installed in interior locations, and in virtually all types of buildings and wall constructions. These frames are to be installed as part of the wall framing sequence. They can be specified and/or supplied as either KD (knock-down) for field assembly prior to installation, or SUA (set-up and welded) for installation as a pre-welded unit.

### APPLICATIONS:

The FN-Series 3-Sided Flush Narrow 1" (25mm) Face Frames are designed to meet the aesthetics needs of a very slender face dimension, and still maintain the functionality of the conventional flush framing systems. The FN-Series Narrow Face Frames are typically used in the following types of wall constructions:

Wall Construction	Application	Typical Wall Anchors
Masonry	wrap or butted	Wire masonry
Existing masonry	butted	Bolted through soffit
Wood stud	wrap	Lock-in wood stud anchor
Steel stud	wrap	Lock-in steel stud anchor

### SPECIFICATION COMPLIANCE:

1. Overall frame construction for the Steelcraft FN18-Series Flush Narrow 1" (25mm) Face Frames meet the requirements of ANSI A250.8-1998 (commonly referred to as SDI-100).
2. Hardware preparations and reinforcements are in accordance with ANSI A250.6-1997. Locations are in accordance with ANSI/DHI A115.

Steel Thickness	Opening	Usage Frequency <sup>1</sup>	Applications
18 gage (1.7mm)	Interior	Light to Standard duty	<ul style="list-style-type: none"> <li>• 20 gage steel doors</li> <li>• Hollow core wood doors</li> </ul>
Steel Type	Opening	Applications	
Non Galvanneal <sup>3</sup>	Interior	• Typical building conditions	
Galvannealed <sup>2</sup>	Interior	• Used in locations with high humidity	

### MATERIAL:

FN-Series Narrow 1" (25mm) Face frames are supplied from 18 gage (1mm) steel. Depending on environmental conditions, the steel can be either non galvannealed or galvannealed. All frames are supplied with a factory applied baked on primer for field applied finish paints.

<sup>1</sup> Usage frequency is based on ANSI A250.8-1998

<sup>2</sup> Reinforcements for galvannealed frames are also galvannealed

<sup>3</sup> Commercial quality carbon steel

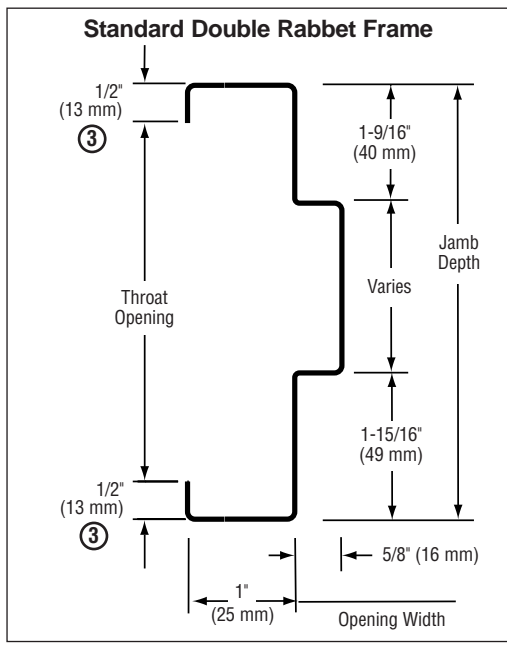
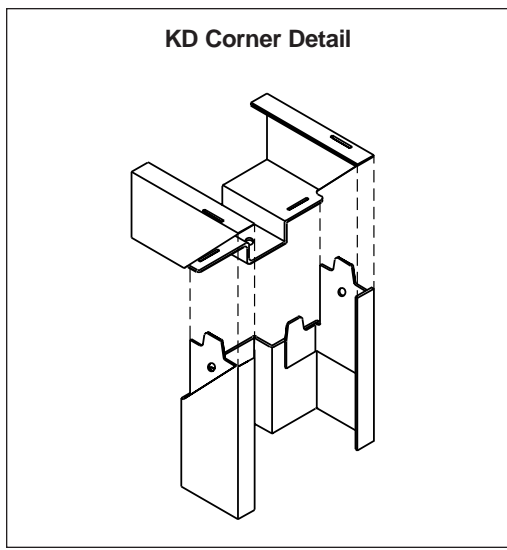
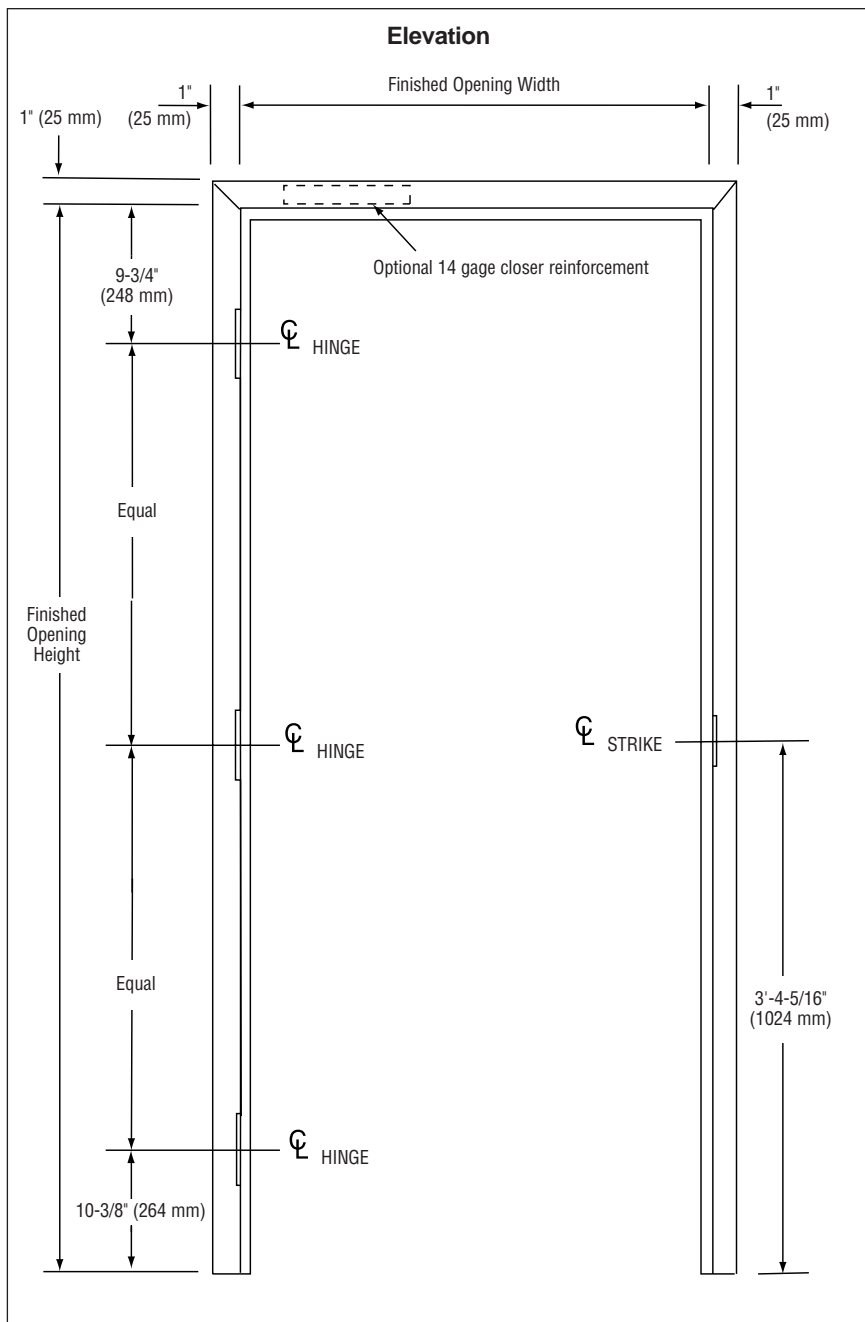
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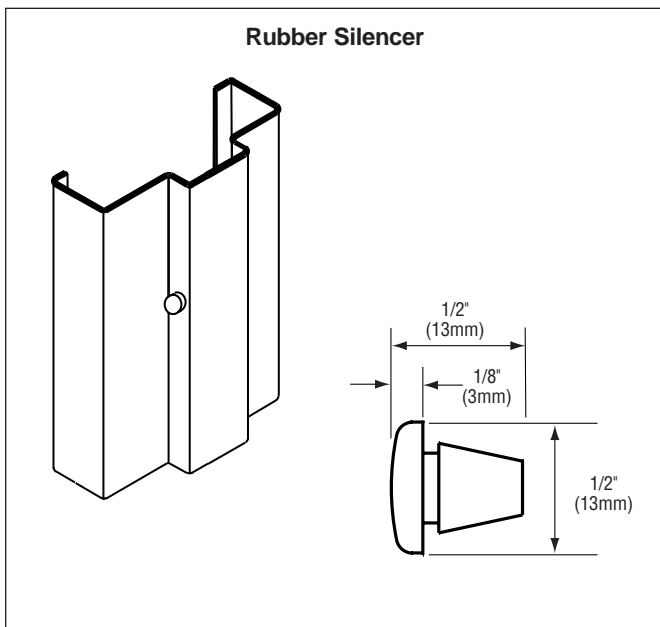
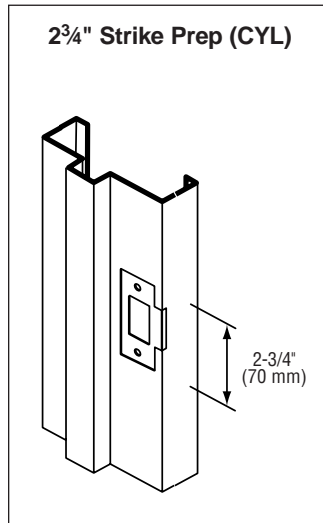
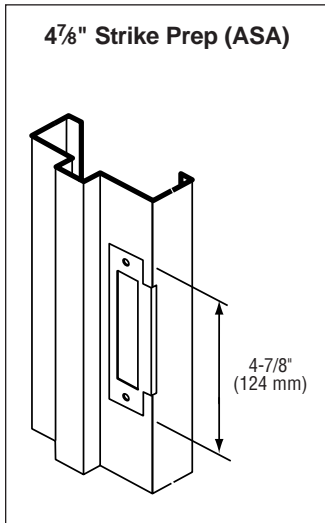
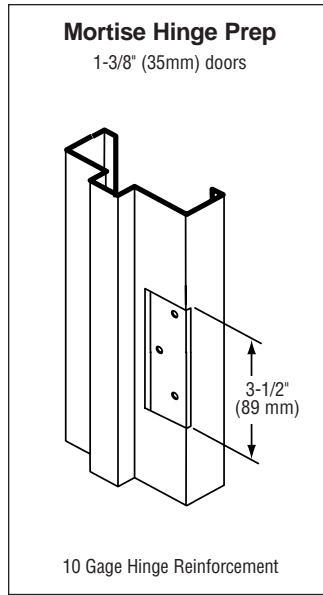
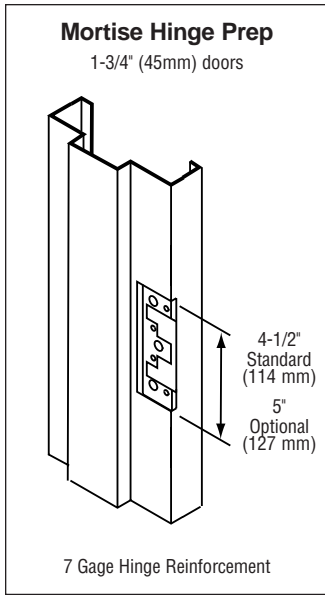
Spec Manual  
Rev. 6/99

FN2-1



**CONSTRUCTION NOTES:**

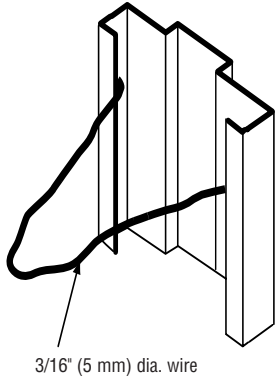
1. **Door opening size maximum:**  
 Single door opening size 4'0" x 8'0"  
 (1219mm x 2438mm)  
 Double door opening size 8'0" x 8'0"  
 (2438mm x 2438mm)
2. **Jamb depths (profile) availability:**  
**Double rabbet:**  
 minimum = 4<sup>3</sup>/<sub>4</sub>" (121mm)  
 maximum = 8<sup>3</sup>/<sub>4</sub>" (222mm)
3. **Standard profile dimensions (variations available):**  
 Face = 1" (25mm)  
 Stop = 5/8" (16mm)  
 Returns = 1/2" (13mm) all frames  
 except 5<sup>3</sup>/<sub>4</sub>" (146mm)  
 which is 7/16" (11mm)"
4. **Standard die-mitered corners**  
 Four (4) concealed tabs  
 interlock head and jambs.



**GENERAL NOTES:**

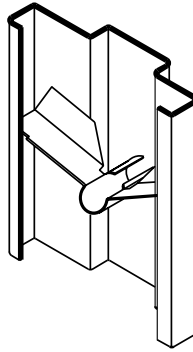
- Frame profile** – variations in jamb depths available in 1/8" (3mm) increments:  
**Double rabbet** – for walls 3 3/4" (95mm) thick and over
- Corner connections**
  - KD (knock-down)** – Factory die-mitered:  
**Double rabbet frames** - 4 tabs per miter
  - SUA (set-up and welded)** – not available in this frame series
- 4" (102mm) heads** – not available in this frame series
- Standard hardware preparations:**  
Standard mortised and reinforced with mortar guards for:
  - Universal Hinge Preps** – 4 1/2" (114mm) patented preparation
  - Strikes** – 4 7/8" (124mm) conforming to ANSI A115.1 and ANSI A115.2
- Rubber silencers** are factory installed to cushion the closing of the door, and to eliminate the field problems related to inserting silencers after installation and grouting. Two (2) silencers are supplied per double door head.

Wire Masonry Anchor

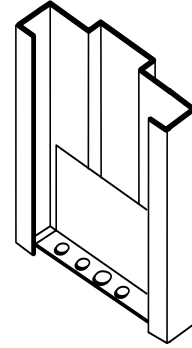


3/16" (5 mm) dia. wire

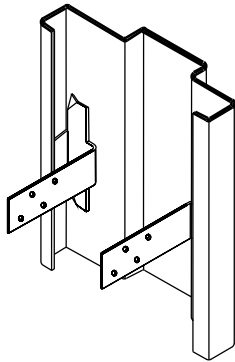
Existing Masonry Anchor



Weld-In Base Anchor



Anchor for Stud Partition



## ANCHORING AND INSTALLATION NOTES:

1. **FN18-Series Narrow 1" (25mm) Face Frames** are supplied standard with masonry wire and weld-in base anchors. Anchors are designed for maximum wall/frame engagement and installation flexibility.
2. **Anchoring applications:**
  - **Masonry wall** – Masonry wire anchors (3/16" [5mm] dia.) provide maximum engagements in mortar joints, and allow for full internal grouting during installation. Base anchors are attached directly to the floor. The wall is built around the anchored frame. (Refer to installation sheet #INS-2004)
  - **Existing masonry walls (EMA)** – Specifically designed (18 Ga. steel) jamb anchors are used to add support for bolting the frame into the rough opening of an existing wall. An existing wall anchor is used as the base anchor in this application. (Refer to installation sheet #INS-2014)
  - **Stud walls** – Lock-in (18 Ga. steel) jamb anchors are designed to be attached to the studs of a rough opening. After the frame is anchored, the wallboard is installed and finished.
3. **Installation caution notice:** When temperature conditions necessitate an additive to be used in the plaster or mortar to prevent freezing, the contractor installing the frames shall coat the inside of the frames in the field with a corrosion resistant coating per SDI 105.
4. Installation shall conform to the published Steelcraft installation instructions, SDI 105 *Recommended Installation Instructions for Steel Frames*, and ANSI/DHI A115-IG *Installation Guide for Doors and Hardware*.