

**Product Description**

A-Series is Fleming's standard adjustable jamb depth 16 gage paintable galvaneal steel, knocked-down, drywall profile, punch mitered frame, used in drywall or existing masonry or concrete partitions.

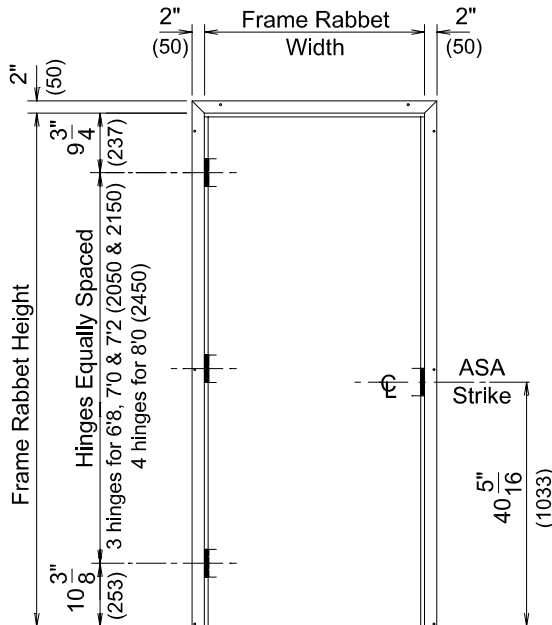
This series is available in 3 different sizes to suit walls from 3-1/2" (88.9mm) to 12-1/2" (317.5). A-Series components are face dimpled to receive either # 8 drywall screws when installed in stud partitions or 3/16" (4.8mm) diameter Tapcon screws for existing masonry or concrete walls.

It is convertible to set-up and welded (SUW) construction and is available for up to 1-1/2 hour fire rated applications in sizes to 4'0" x 8'0" (1250 x 2450mm) singles and 8'0" x 8'0" (2450 x 2450mm) pairs. Installation instructions are included in [TDS G11](#).

**Standard Sizes and Hardware Locations**

Non-standard sizes to suit specific project requirements are also available. Refer to TDS G03 through G06 for detailed information of hinge and strike locations.

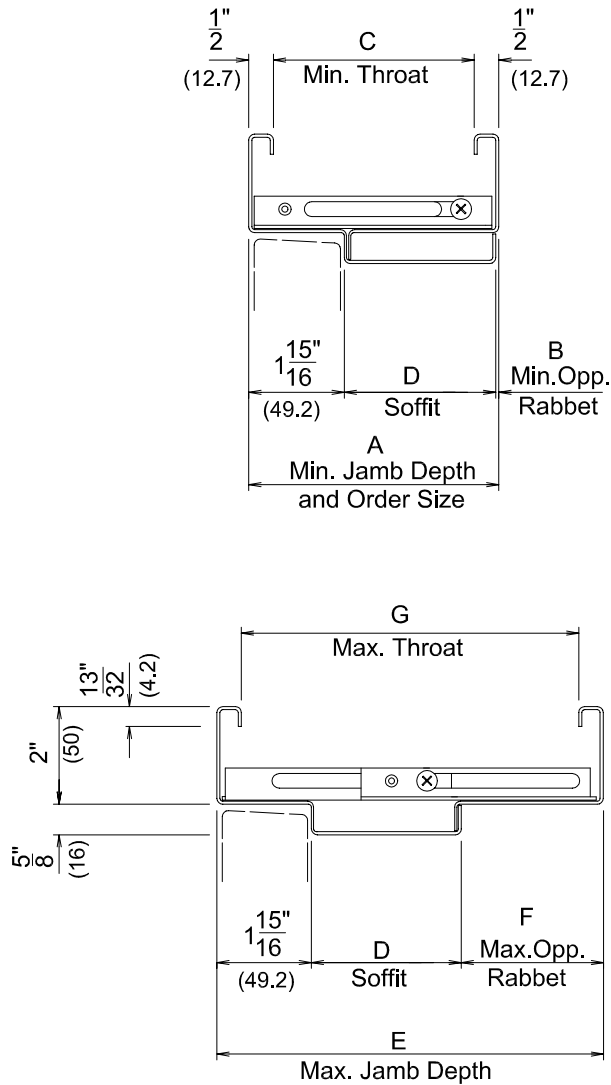
All metric values are shown in millimeters (mm) unless indicated otherwise. Imperial and metric values may not be equal.



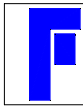
| Standard Frame Rabbet Sizes |                     |        |             |
|-----------------------------|---------------------|--------|-------------|
| Frame Rabbet Heights        | Frame Rabbet Widths |        |             |
|                             | Singles             |        | Pairs       |
| 6'8" 2050mm                 | 2'0"                | 600mm  | 4'0" 1200mm |
|                             | 2'2"                |        |             |
|                             | 2'4"                | 700mm  | 4'8" 1400mm |
| 7'0" 2150mm                 | 2'6"                | 800mm  | 5'0" 1600mm |
|                             | 2'8"                |        | 5'4" 1600mm |
|                             | 2'10"               | 900mm  | 6'0" 1800mm |
| 7'2" 2150mm                 | 3'0"                | 900mm  | 6'4" 1800mm |
|                             | 3'4"                | 1000mm | 6'8" 2000mm |
|                             | 3'6"                | 1000mm | 7'0" 2200mm |
| 8'0" 2450mm                 | 3'8"                | 1100mm | 7'4" 2200mm |
|                             | 4'0"                | 1200mm | 8'0" 2400mm |



**Standard Profiles**



| Order Size      | Minimum         |                   |                   | D Soffit         | Maximum         |                    |                   |
|-----------------|-----------------|-------------------|-------------------|------------------|-----------------|--------------------|-------------------|
|                 | A Jamb Depth    | B Opposite Rabbet | C Throat          |                  | E Jamb Depth    | F Opposite Rabbet  | G Throat          |
| 4 1/2<br>(114)  | 4 1/2<br>(114)  | 1 1/16<br>(1.6)   | 3 1/2<br>(88.9)   | 2 1/2<br>(63.5)  | 6 3/4<br>(172)  | 2 5/16<br>(58.7)   | 5 3/4<br>(146.1)  |
| 5 1/16<br>(129) | 5 1/16<br>(129) | 1 1/16<br>(1.6)   | 4 1/16<br>(103.2) | 3 1/16<br>(77.8) | 7 7/8<br>(200)  | 2 7/8<br>(73)      | 6 7/8<br>(174.6)  |
| 7 7/8<br>(200)  | 7 7/8<br>(200)  | 1 1/16<br>(1.6)   | 6 7/8<br>(174.6)  | 5 7/8<br>(149.2) | 13 1/2<br>(343) | 5 11/16<br>(144.5) | 12 1/2<br>(317.5) |



**Fleming**

Steel Doors & Frames

A United Dominion Company

ARCHITECTURAL  
MANUAL

TECHNICAL  
DATA SHEET

## A-SERIES FRAMES

Topic Number : F06

Sheet Number : 3

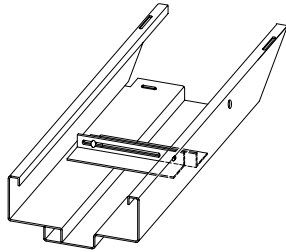
Date Issued : May '00

### Product Features

#### All A-Series Frames

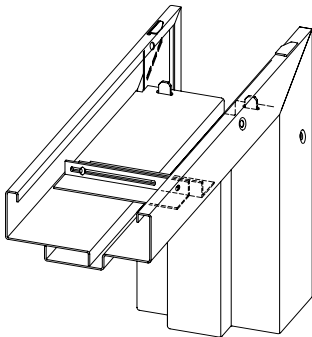
- Components manufactured from paintable galvanized steel
- Jambs and heads machine punched for tight, true fitting corner miters
- All jambs provided with 2 projection welded 20 gage corner clips
- Jambs and heads connected with 14 gage sliding brackets

#### Typical Head



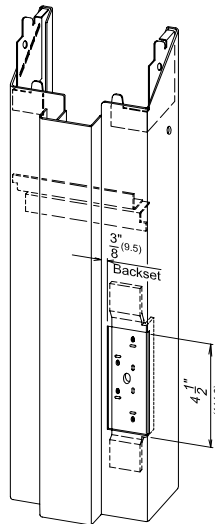
#### Assembled KD Corner

- Corner clip return tabs bent over in field



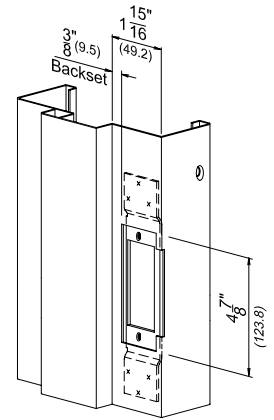
#### Typical Hinge Jamb

- Projection welded 10 gage High Frequency Reinforcing at all cutouts
- Dimpled to convert from standard to heavy weight hinge
- All hinge jambs provided with embossed UL fire label



#### Typical Strike Jamb

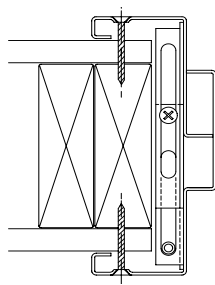
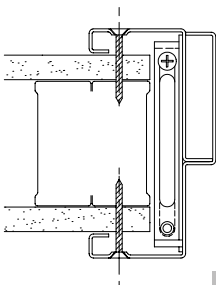
- Projection welded 16 gage ASA strike reinforcing (ANSI A115.1-2)



### Wall Anchors

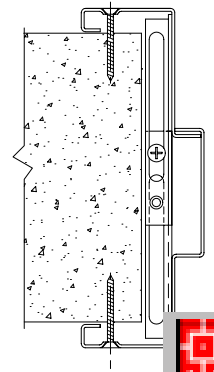
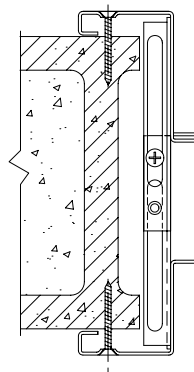
#### New or Existing Steel or Wood Stud Partitions

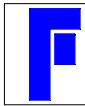
- Installer supplied # 8 x 1-1/2" standard drywall screws in factory face dimples



#### New or Existing Unit Masonry or Concrete Walls

- Installer supplied 3/16" diameter Tapcon screws in factory face dimples





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## A-SERIES FRAMES

Topic Number : F06

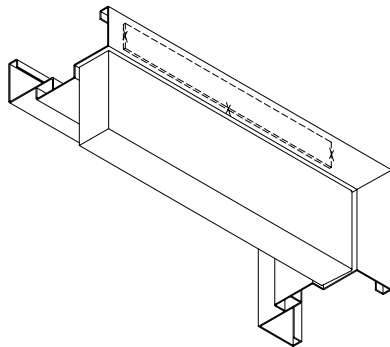
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Date Issued : May '00

### Options

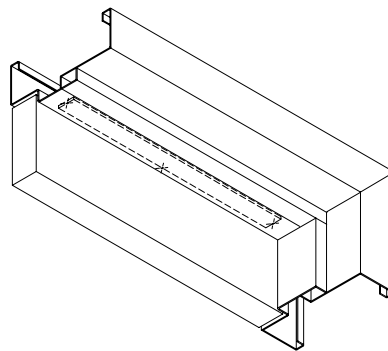
#### Surface Closer Reinforcing

- 12 gage galvaneal steel



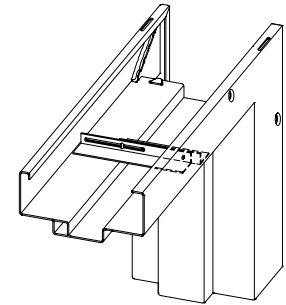
#### Parallel Arm Closer Reinforcing

- 12 gage galvaneal steel



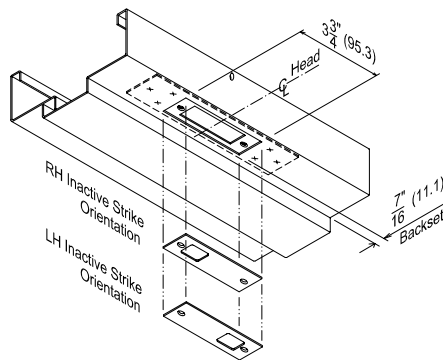
#### Set-Up and Welded Corner

- Top portion of corner clips removed
- Jamb rabbet tabs inserted through head slots and bent over
- Intersecting face miter joints continuously welded on inside of profile
- Exposed faces filled and ground smooth



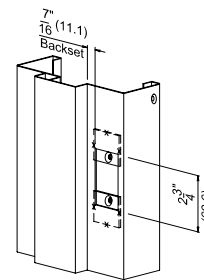
#### Reversible Flush Bolt Strike

- ANSI A115.4
- 16 gage chromated galvaneal steel



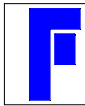
#### Small ASA N/L (Deadbolt) Strike

- ANSI A115.3
- 14 gage galvaneal steel



In addition to the typical options above, Fleming offers the following to customize A-Series frame product to suit project or opening specific requirements:

- Non-standard imperial or metric (SI) nominal widths and heights
- Non-standard hinge or strike locations, back-sets, weights and reinforcing thickness
- Non-standard hinge and strike preparations
- Head preparations for surface, concealed or semi-concealed closers or holders, flush bolt strikes, vertical rod exit device strikes, door position switches and magnetic locks



### Specifications

- 1) Frames shall be A16-Series, adjustable jamb depth as manufactured by Fleming.
- 2) Frame components shall be straight and uniform throughout their lengths, fabricated from tension leveled steel to ASTM A924, galvanized to ASTM A653, coating designation A40 (ZF120), known commercially as paintable galvalume.
- 3) Corner joints shall be accurately mitered and tightly fitted with integral door stops butted.
- 4) Frame construction shall be knocked-down and shipped unassembled. Corners shall be provided with 20 gage steel reinforcements and tabs which securely interlock mechanically with factory prepared heads.  
[Alternate: Frame construction shall be set-up and welded, shipped assembled. Corner joints shall be welded on the inside of the profiles' returns and faces with exposed faces filled and ground smooth. Each door opening shall be provided with 2 temporary steel jamb spreaders, welded to the base of the unit to maintain proper alignment during shipping and handling and shall be removed prior to anchoring of frame to floor.]
- 5) All reinforcements shall be projection, spot or arc welded securely to frame
- 6) Frames shall be blanked, reinforced, drilled and tapped for fully templated mortised hardware or reinforced only for surface hardware.
- 7) Hinge reinforcing shall be 10 gage steel, high frequency type for templated 4-1/2" (114.3) hinges, convertible from standard to heavy weight.
- 8) Strike reinforcing shall be 16 gage steel to suit ASA (ANSI A115.1-2) strike.
- 9) Flush bolt strikes (ANSI A115.4), when specified, shall be reversible type, 16 gage chromated steel
- 10) When specified, reinforcements for surface mounted hardware, concealed closers and holders shall be 12 gage steel.
- 11) Frames shall be provided with 2-piece, 14 gage galvalume steel sliding bracket assemblies, welded to each frame section. Each assembly shall be supplied with 2 machine screws installed for permanent setting of the required jamb depth.  
Jambs to 7'2" (2200) rabbet height and heads for pairs shall receive 3 assemblies each, jambs over 7'2" (2200) shall receive 4 each and single heads 2 assemblies.
- 12) Frames shall be provided with anchorage appropriate to floor, wall and frame construction. Each jamb and head face shall be punched and dimpled for # 8 drywall screws (3/16" (4.8mm) diameter Tapcon screws for existing unit masonry or concrete walls). Jambs up to 7'2" (2200) rabbet height and heads of pairs shall receive 3 dimples per face. Jambs over 7'2" (2200) rabbet height shall receive 4 dimples per face. Single heads shall receive 2 dimples per face.
- 13) Each door opening shall be prepared for GJ-64 or equivalent single stud door silencers, 3 per strike jamb for single door openings, 2 per head for pairs.
- 14) On exposed surfaces where zinc has been removed during fabrication, frames shall receive a factory applied touch-up primer.
- 15) Contractor responsible for installation shall remove all wraps or covers upon delivery at building site, store on planks or dunnage in a dry location in a vertical position, space with blocking to permit air circulation between them and cover to protect from all damage.
- 16) Set frames plumb, square, aligned, without twist at correct elevation in accordance with Fleming TDS G11, NAAMM-HMMA 840, "Installation Guide for Commercial Steel Doors and Frames" and for fire rated product, NFPA 80.
- 17) Prior to site touch-up, exposed surfaces of galvalume steel to be finish painted with latex paints shall be cleaned with soap and water. When alkyd finish paints are specified, turpentine or paint thinners shall be used.
- 18) Exposed surfaces which have been scratched or otherwise marred during shipping, handling or installation shall be touched-up with a rust inhibitive primer.
- 19) Finish paint in accordance with Section 09900.