Product Description

R-Series is Fleming’s custom 16 gage paintable galvanneal steel, knocked-down, punch mitered replacement frame for 1-3/4” (44.4mm) doors, used in existing hollow metal or wood frames. Installation instructions for the R-Series frames are included in TDS G12.

Sizes and Standard Hardware Locations

All R-Series frame components are custom sized to suit the existing opening specific width and height requirements. 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.
Product Features

All F-Series Frames
• Components manufactured from paintable galvanneal steel
• Jambs and heads machine punched for tight, true fitting corner miters
• All jambs provided with integral tab

Typical Hinge Jamb
• Projection welded 10 gage reinforcing at all cutouts
• Dimpled to convert from standard to heavy weight hinge

Typical Head

Assembled KD Corner
• Jamb tabs bent over in field

Typical Strike Jamb
• Projection welded 12 gage ASA strike reinforcing (ANSI A115.1-2)
Options

Surface Closer Reinforcing
- 12 gage galvanneal steel

Reversible Flush Bolt Strike
- ANSI A115.4
- 16 gage chromated galvanneal steel

Small ASA N/L (Deadbolt) Strike
- ANSI A115.3
- 14 gage galvanneal steel

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

- G90 (Z275) galvanized steel
- Non-standard imperial or metric (SI) nominal widths and heights
- Non-standard face widths
- Non-standard hinge or strike locations, back-sets, weights and reinforcing thickness
- Non-standard hinge and strike preparations
- Head preparations for surface closers or holders, flush bolt strikes, door position switches and magnetic locks
Specifications

1) Frames shall be R16-Series replacement frames 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 galvanneal.

3) Corner joints shall be accurately mitered and tightly fitted.

4) Frame construction shall be knocked-down and shipped unassembled. Corners shall be provided with integral jamb tabs which securely interlock mechanically with factory prepared heads.

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 for templated 4-1/2” (114.3) hinges, convertible from standard to heavy weight at each cutout.

8) Strike reinforcing shall be 12 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 or surface closers and holders shall be 12 gage steel.

11) Each jamb and head shall be punched and dimpled for #8 flat head, undercut screws, provided by others. Jamb and head faces and rabbets shall be prepared at each end, jamb faces at the centerline of each hinge/strike cutout, with head faces and rabbets at the center of the rabbet width. Jamb rabbets shall also be prepared above and below each hinge/strike cutout.

12) On exposed surfaces where zinc has been removed during fabrication, frames shall receive a factory applied touch-up primer.

13) 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.

14) Set frames plumb, square, aligned, without twist at correct elevation in accordance with Fleming TDS G12 and NAAMM-HMMA 840, “Installation Guide for Commercial Steel Doors and Frames”.

15) Prior to site touch-up, exposed surfaces of galvanneal 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.

16) Exposed surfaces which have been scratched or otherwise marred during shipping, handling or installation shall be touched-up with a rust inhibitive primer.

17) Finish paint in accordance with Section 09900.