

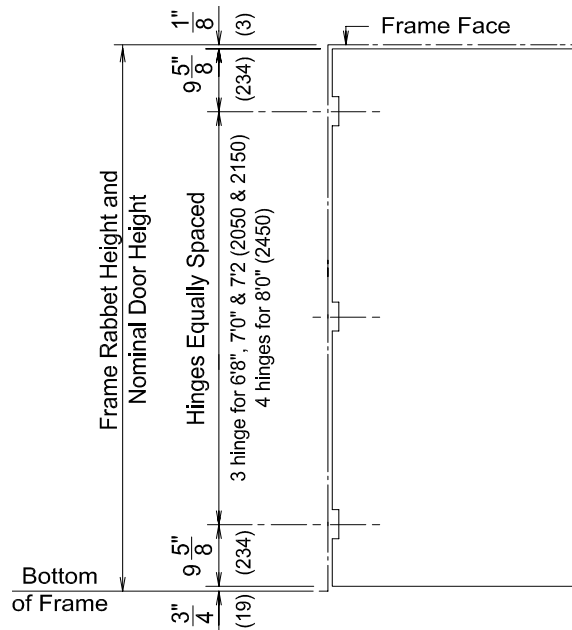
Product Description

D-Series is Fleming's standard 16, 18 or 20 gage paintable galvanized, 1-3/4" (44.4mm) thick, lock-seam honeycomb core door for use in commercial, industrial and institutional settings. They are rated for standard, medium, heavy and extra-heavy duty applications. The D-Series line is available for up to 3 hour fire rated applications in sizes to 4'0" x 10'0" (1250 x 3050mm) singles and 8'0" x 10'0" (2450 x 3050mm) standard or double egress pairs.

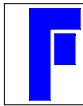
Standard Sizes and Hardware Locations

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 Nominal Door Sizes	
Nominal Door Heights	Nominal Door Widths
6'8" 2050mm	2'0" 600mm
	2'2" 700mm
	2'4" 700mm
7'0" 2150mm	2'6" 800mm
	2'8" 800mm
	2'10" 900mm
7'2" 2150mm	3'0" 900mm
	3'4" 1000mm
	3'6" 1000mm
8'0" 2450mm	3'6" 1100mm
	3'8" 1100mm
	4'0" 1200mm



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D-SERIES DOORS

Topic Number : D01

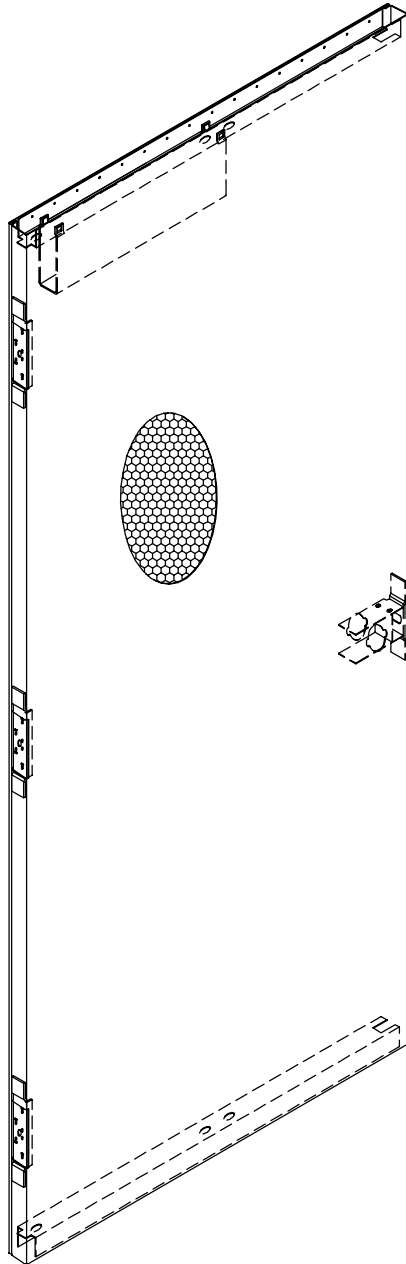
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Date Issued : May '00

Product Features

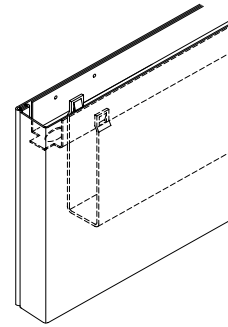
All D-Series Doors

- Face sheets and all components manufactured from paintable galvanized steel
- Small cell kraft paper honeycomb core laminated to face sheets under pressure with UL/WHI approved PUR (polyurethane resin) contact adhesive
- Longitudinal edges interlocked with deep pocket mechanical seam, sealed and reinforced with UL/WHI approved RRPC (resin reinforced polyvinyl chloride) adhesive
- Lock and hinge edges beveled 1/8" in 2" (3 in 50)



Top Channel and Closer Reinforcing

- Projection welded 1-1/2" (38) extra deep, 16 gage end channels top and bottom with integral 14 gage, 4-1/2" (114) deep x 15" (380) long closer reinforcing channel at top

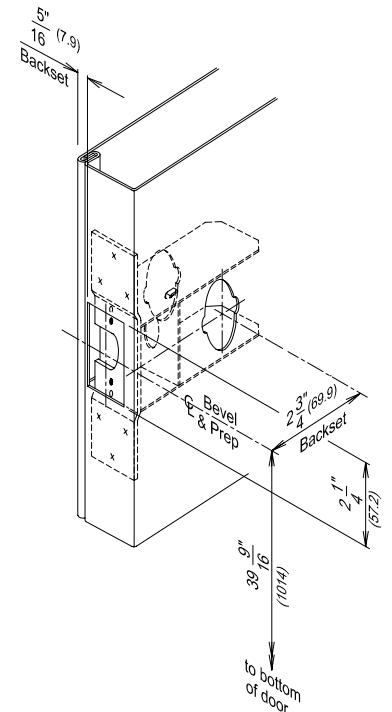
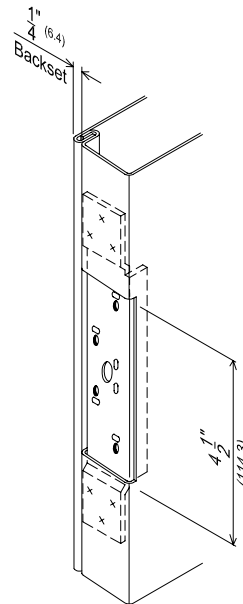


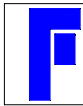
Standard Hinge Reinforcing

- Projection welded 10 gage High Frequency Reinforcing at all hinge cutouts
- Hinge reinforcing dimpled to convert from standard to heavy weight

Cylindrical Lock Preparation

- 12 gage cylindrical lock reinforcing (161), face and edge cutouts for ANSI A115.2 - 2-3/4" (69.9) backset

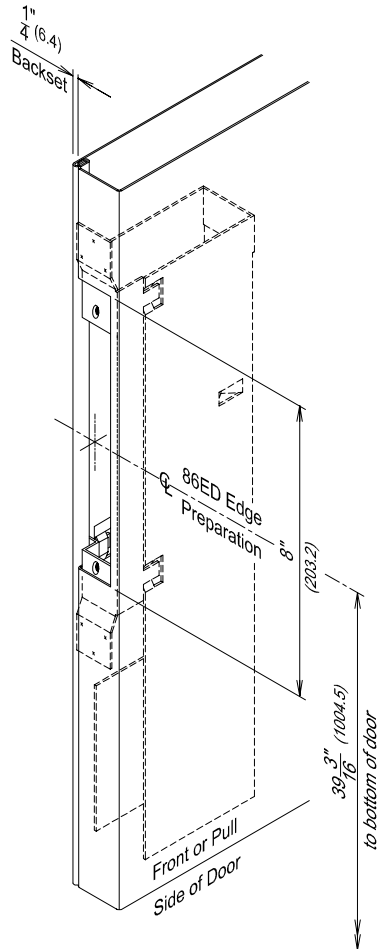




Options (Continued)

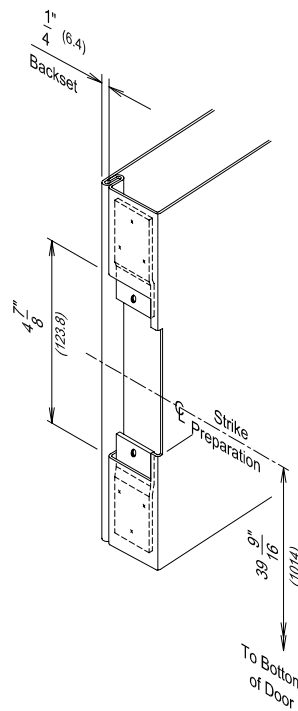
Mortise Lock Edge Preparation

- Projection welded 16 gage mortise lock reinforcing (86ED), edge and optional face cutouts for ANSI A115.1



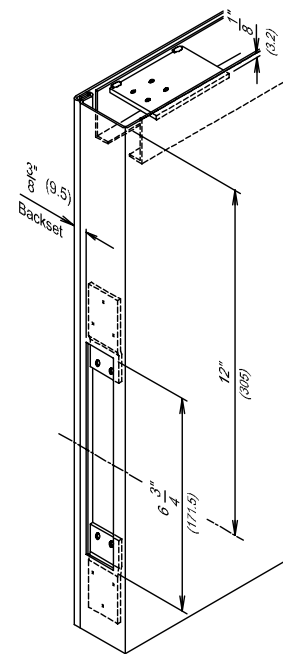
Strike Preparations

- ASA strike (ANSI A115.1-2) (shown) or ASANL strike, projection welded 12 gage reinforcing
- Small ASANL deadbolt strike (ANSI A115.3) at 48" (1220mm) from bottom of frame centerline, projection welded 14 gage reinforcing



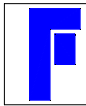
Flush Bolt Preparation

- ASA edge preparation with projection welded 12 gage reinforcing, top and bottom of door preparation with 10 gage tack welded reinforcing to suit ANSI A115.4



In addition to the typical options above, Fleming offers the following to fully customize D-Series doors to suit project or opening specific requirements:

- Polystyrene (R 6.0 / RSI 1.06) or polyisocyanurate (R 12.3 / RSI 2.17) insulated door cores
- Temperature rise rated (TRR) cores for ratings of 250°F (120°C), 450° (250°C) and 650°F (340°C) at 30 or 60 minutes
- 16, 18 or 20 gage G90 galvanized steel
- Double egress, double acting, or dutch doors
- Edge seams tack-welded or tack-welded and filled
- Non-standard imperial or metric (SI) nominal widths and heights
- Non-standard thickness; 1-3/8" (35mm) for D18 and D20; 2" (51) or 2-1/4" (57) for D16, D18 and D20-Series
- Non-standard hinge, strike or lock preparations, locations, back-sets and reinforcing
- Reinforcing, edge and face preparations for fire or panic exit devices (rim, mortise, surface or concealed vertical rod)
- Concealed closer or holder preparations and reinforcing
- Preparations for mail slots, door viewers or mono-rails
- Lead lining
- Stainless steel, brass, bronze or aluminum cladding



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D-SERIES DOORS

Topic Number : D01

Sheet Number : 5

Date Issued : May '00

Specifications

- 1) Doors shall be as manufactured by Fleming, of the Series indicated:
 - a) D16-Series (16 gage face sheets)
 - b) D18-Series (18 gage face sheets)
 - c) D20-Series (20 gage face sheets)
- 2) Doors shall be fabricated from tension leveled steel to ASTM A924, galvanized to ASTM A653, coating designation A40 (ZF120), known commercially as paintable galvalume.
- 3) Doors shall be flush type, 1-3/4" (44.4mm) thick, with provision for glazed and / or louvered openings as scheduled.
- 4) Doors shall be stiffened, insulated and sound deadened with:
(*standard*) a) honeycomb core,
(*optional*) b) polystyrene core (R 6.0/RSI 1.06),
(*optional*) c) polyisocyanurate core (R 12.3/RSI 2.17),
(*optional*) d) Fleming TRR fire door core, laminated under pressure to each face sheet.
- 5) Longitudinal edges shall be mechanically interlocked, adhesive assisted with edge seams visible.
- 6) Doors shall be beveled 1/8" in 2" (3 in 50mm) on both lock and hinge edges.
- 7) Top and bottom of doors shall be provided with projection welded, inverted 16 gage end channels.
- 8) Doors shall be blanked, reinforced, drilled and tapped for fully templated mortised hardware or reinforced only for surface hardware.
- 9) Hinge reinforcing shall be 10 gage steel, high frequency type for templated 4-1/2" (114.3) hinges, convertible from standard to heavy weight.
- 10) Cylindrical lock, ASA strike and flush bolt reinforcing shall be 12 gage minimum.
- 11) Mortise lock and surface mounted hardware reinforcing shall be 16 gage minimum.
- 12) Doors shall be provided with integral 14 gage steel closer reinforcing channel at top of door.
- 13) Exterior doors shall be provided with flush snap-in PVC top caps.
- 14) On exposed surfaces where zinc has been removed during fabrication, doors 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) Install doors in accordance with 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.