

Hollow Metal Doors & Frames



FLUSH STEEL COMMERCIAL DOORS

16GA (1.5mm), 18GA(1.1mm), 20GA (0.9mm)
Cold-rolled or galvanized steel skins.
Construction is 1-3/4" thick.



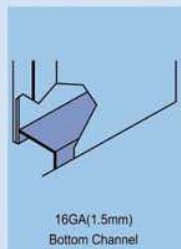
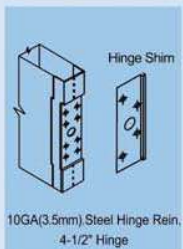
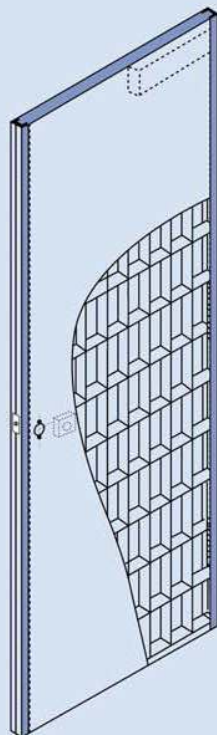
Hinge, closer, lock and strike plate reinforcements shall be provided.

Hinge reinforcement: 10GA(3.5mm)
Closer reinforcement: 12GA(2.5mm)
Lock reinforcement: 16GA(1.5mm)
Strike plate reinforcement: 16GA(1.5mm)

The top, bottom and side closures are fabricated from 16GA(1.5mm) thick channel shaped steel sections welded to the front and back door skins.

Flush top channel: 16GA(1.5mm)
Standard seamless edge.

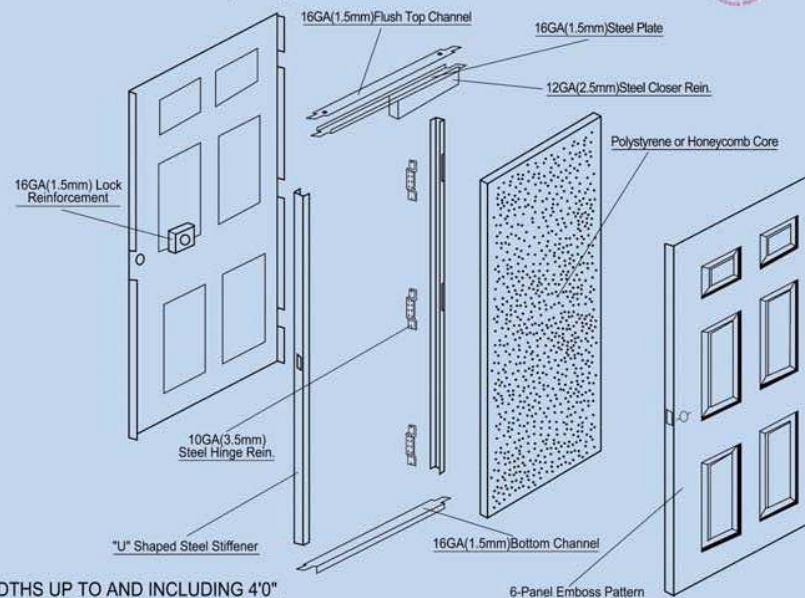
Widths up to and including 4'0"
Heights up to and including 8'0"
Available with mineral fireboard core,
Polystyrene core, honeycomb core.



EMBOSSED STEEL COMMERCIAL DOORS

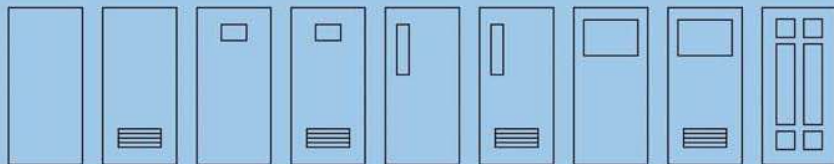


STEEL DOOR SKIN:
16GA (1.5mm), 18GA (1.1mm), 20GA (0.9mm)
GALVANIZED OR COLD-ROLLED STEEL
CONSTRUCTION IS 1-3/4" (45mm) THICK

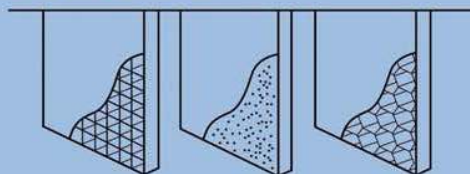


WIDTHS UP TO AND INCLUDING 4'0"
HEIGHTS UP TO AND INCLUDING 8'0"

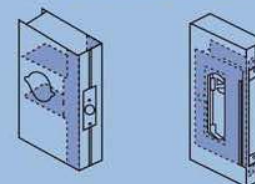
DOOR TYPES



CORE SERIES

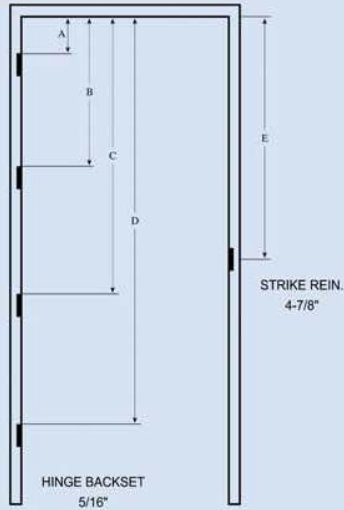


LOCK SERIES

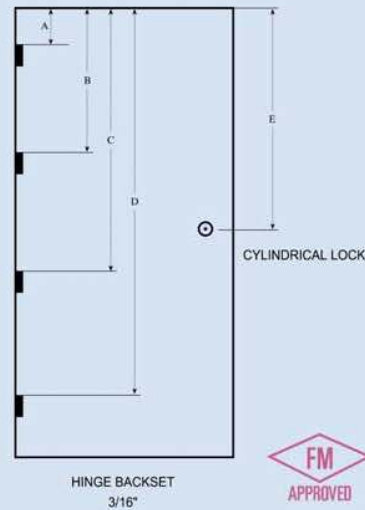


COMMERCIAL METAL HARDWARE LOCATIONS

Frame



Door



Frame Other locations are available. We make to request.

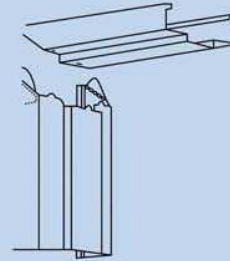
SIZE	A	B	C	D	E
6'8"	7-1/2"	37-7/16"	67-3/8"		39-11/16"
7'0"	7-1/2"	39-7/16"	71-3/8"		43-11/16"
7'2"	7-1/2"	40-7/16"	73-3/8"		45-11/16"
8'0"	7-1/2"	32-51/64"	58-3/32"	83-25/64"	55-11/16"

Door Other locations are available. We make to request.

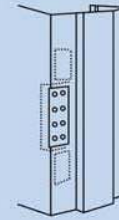
SIZE	A	B	C	D	E
6'8"	7-3/8"	37-5/16"	67-1/4"		39-9/16"
7'0"	7-3/8"	39-5/16"	71-1/4"		43-9/16"
7'2"	7-3/8"	40-5/16"	73-1/4"		45-9/16"
8'0"	7-3/8"	32-43/64"	57-31/32"	83-17/64"	55-9/16"

For mortise lock, dimension E is 3/8" greater.

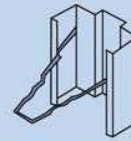
WELDED OR KNOCK DOWN STEEL FRAMES



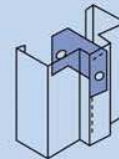
KNOCK DOWN CORNER



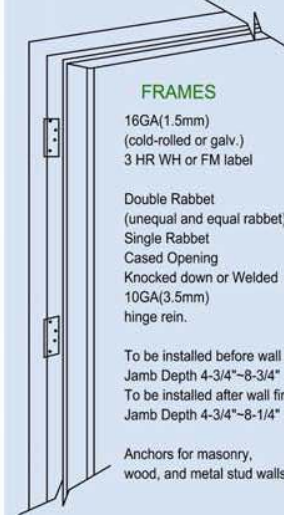
HINGE REINFORCEMENT



MASONRY WIRE ANCHOR



EXISTING WALL ANCHOR



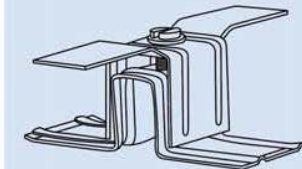
FRAMES

16GA(1.5mm)
(cold-rolled or galv.)
3 HR WH or FM label

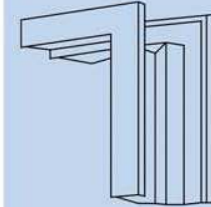
Double Rabbet
(unequal and equal rabbet)
Single Rabbet
Cased Opening
Knocked down or Welded
10GA(3.5mm)
hinge rein.

To be installed before wall finish:
Jamb Depth 4-3/4"-8-3/4"
To be installed after wall finish:
Jamb Depth 4-3/4"-8-1/4"

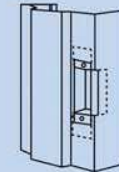
Anchors for masonry,
wood, and metal stud walls



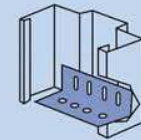
COMPRESSION ANCHOR



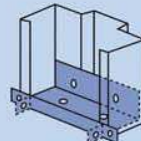
WELDED CORNER



STRIKE REINFORCEMENT

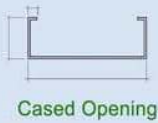


ADJUSTABLE BASE ANCHOR

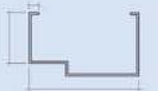


WOOD STUD BASE ANCHOR

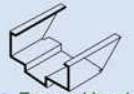
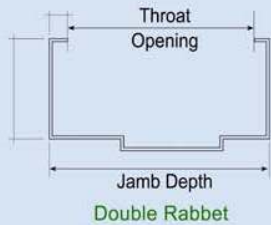
TO BE INSTALLED BEFORE WALL FINISH



Cased Opening



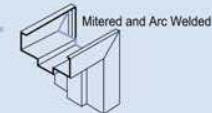
Single Rabbet



Frame Head



Integral Sill Anchor



Corner Assembly

Jamb Depth	4-3/4"	5-3/4"	6-1/4"	6-3/4"	7-1/8"	7-3/4"	8-1/4"	8-3/4"
Throat Opening	3-3/4"	4-7/8"	5-1/4"	5-3/4"	6-1/8"	6-3/4"	7-1/4"	7-3/4"

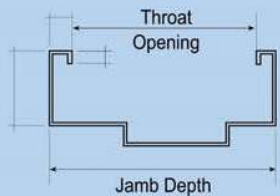
TO BE INSTALLED AFTER WALL FINISH



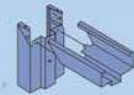
Cased Opening



Single Rabbet



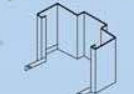
Double Rabbet



Corner Assembly



Drywall Plumb Anchor



Snap in Sill Anchor

Jamb Depth	4-3/4"	5-5/8"	5-7/8"	6-1/4"	6-5/8"	7-1/8"	7-3/4"	8-1/4"
Throat Opening	3-3/4"	4-5/8"	4-7/8"	5-1/4"	5-5/8"	6-1/8"	6-3/4"	7-1/4"

FIRE DOOR REQUIREMENTS

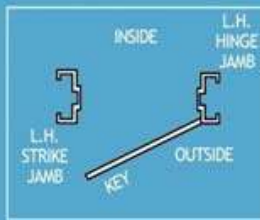


Opening	Label Classification	Location In Building	Glass
	3 HOUR RATING	3 hour rated opening(Class A). Openings are in walls separating buildings or dividing a single building into fire areas. Doors for these openings require a fire protection rating of 3 hours.	None
	1-1/2 HOUR RATING	1-1/2 hour rated opening (Class B). Openings are in enclosures of vertical communication through buildings. These could be stairwells or elevator shafts. While not a means of vertical communication, boiler room doors are generally categorized as Class"B" openings. Door for these areas require a fire protection rating of 1-1/2 hours, and glass areas may not exceed 100 square inches per individual door leaf except as noted below.	100 Sq. In. per door Leaf
	3/4 HOUR RATING	3/4 hour rated opening (Class C). Openings are in corridors and room partitions. Doors for these areas require a fire protection rating of 3/4 hour, and the glass area cannot exceed 1296 square inches per light with no dimension exceeding 54 inches except as noted below.	1296 Sq. In. per Light
	1-1/2 HOUR RATING	1-1/2 hour rated opening (Class D). Openings are in exterior walls which are subject to severe fire exposure from the outside of the building. Doors for these areas require a fire protection rating of 1-1/2 hours.	None
	3/4 HOUR RATING	3/4 hour rated opening (Class E). Openings are in exterior walls which are subject to moderate or light fire exposure from the outside of the building. A typical example would be a door leading to an exterior fire escape. Doors for these openings require a fire protection rating of 3/4 hour with glass areas not exceeding 1296 square inches per light with no dimension exceeding 54 inches.	1296 Sq. In. per Light
	20 MINUTE	20 minute fire rated door frame assemblies are normally found in interior partitions and are intended for installation with 20 minutes fire rated doors of the single or swing in pairs.	1296 Sq. In. per Light

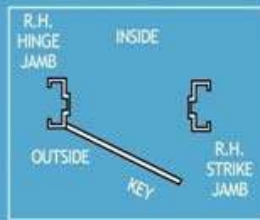
Door And Frame Handing Chart

SINGLE DOOR

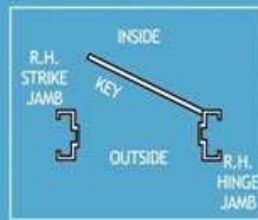
When door swings toward you and hinges are on right side of door: Door is R.H.R/ Frame is L.H.
 When door swings to inside and hinges are on right side of door: Door is R.H. / Frame is R.H.



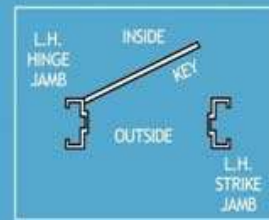
Right Hand Reverse Door
(Swing Out) Left Hand Frame



Left Hand Reverse Door
(Swing Out) Right Hand Frame



Right Hand Door (Swing In)
Right Hand Frame

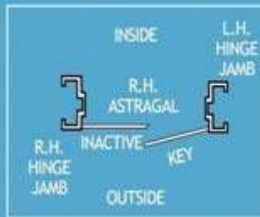


Left Hand Door (Swing In)
Left Hand Frame

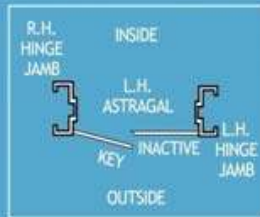
DOUBLE DOORS

When door leaves swing toward you and hinges are on right side of active leaf:
 Door is R.H.R.Active / Frame is L.H.Active

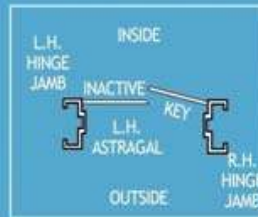
When door leaves swing to inside and hinges are on right side of active leaf:
 Door is R.H.Active / Frame is R.H.Active



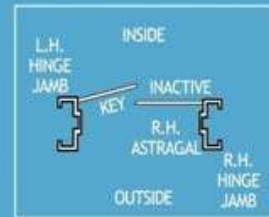
Double Doors - R.H.R. Active
(Swing Out)
Double Door Frame
L.H. Active



Double Doors - L.H.R. Active
(Swing Out)
Double Door Frame
R.H. Active



Double Doors - R.H. Active
(Swing In)
Double Door Frame
R.H. Active



Double Doors - L.H. Active
(Swing In)
Double Door Frame
L.H. Active

