METAL FRAME DOOR SYSTEM
INSTALLATION INSTRUCTIONS

REQUIRED TOOLS

Safety Glasses • Gloves • 48”-72” Level • Hammer • Tape Measure • 24” Square • Screw Gun
Exterior Caulk (Paintable Silicone Recommended) • 2-½” Wood Screws Qty: 6 • Wood Shims (1pkg.) • Fiberglass Insulation

WARNING
Door Units Are Heavy! Use an adequate number of people to set the unit and prevent injuries or damage to the door.

Note: These instructions are recommended installation methods and not a substitute for local building codes. Please consult your local building codes prior to any door installation.

1) Preparation of Rough Opening and Door Unit

a) Clean the floor area around the door opening. If necessary, scrape off mortar or plaster spills (fig.1). Double check the rough opening dimensions.

b) Make sure the floor is level (fig.2). If the sub-floor is not level it will adversely affect the rest of the installation.

c) Check the opening for plumb and square. Check both walls for plumb and all four corners for square in the rough opening. Make the necessary corrections prior to installing the door unit (fig.3 & 4).

2) Preparation of the Door Unit

a) Remove the door unit from its packaging.

b) Leave the door clip attached to the door frame at this time (fig.5).
**5) Installing the Frame Closure**

- **a)** Apply a bead of caulk around the perimeter of the metal door frame (fig. 13). (Note: This is not necessary if the door will not be exposed to the outside elements.)
- **b)** To install the frame closures begin with the header closure and slide it between the stop return and the welded plate (fig. 14). Center it on the frame and apply pressure towards the frame until the closure fits snug against the wall opening (fig. 15).
- **c)** Next, install both the strike and hinge jamb closure plates (fig. 16).
- **d)** Make sure the corners are tight together and the closures are tight against the wall. Begin installing one #8 x 2” screw into each of the 3/16” holes around the perimeter of the frame (fig. 17).

**6) Installing the Strike Plate**

- **a)** Remove the door closure clip and open the door unit (fig. 18).
- **b)** Apply the supplied strike plate using two machine screws (fig. 19).
- **c)** If your door unit has a deadbolt, apply the catch plate at this time. If your door does not have a deadbolt, the hole can be filled using a coverplate (fig. 20 & 21).
- **d)** For added security, use 2 ½” screws when installing all strike plates.

**7) Installing Brickmould (Optional)**

- **a)** If you are using the door unit in an exterior application and would like to install brickmould, begin by placing the brickmould over the metal frame closure so that the slotted holes are covered. There is a small indentation next to each slotted hole. Use this mark to install nails through the brickmould and into the slotted portion of the frame (fig. 22).

**8) Installing Casing**

- **a)** To apply casing to the frame, begin by placing the casing over the metal frame closure so that the slotted holes are covered. There is a small indentation next to each slotted hole. Use this mark to install nails through the casing and into the slotted portion of the frame (fig. 23).
- **Note:** If the rough opening dimension were too large the slotted holes may not line up with any wood material.
3) Setting the Door Unit

a) Apply a triple bead of silicone caulking to the sub-floor of the rough opening (fig.6).

b) Apply a second bead of caulking around the perimeter of the door sill (fig.7).

c) Using two people, set the sill into the rough opening, center the frame into the opening and tip the unit into place (fig.8). Note: If the frame is not centered the strike plate might not fit into the opening at the end of the installation.

d) Check both jambs for plumb (fig.9). If the jambs are not plumb shim material may need to be placed behind the frame to plumb the jambs (fig.10).

e) Once the jambs are plumb begin installing one #8 x 2” screw into each of the 3/16” holes around the perimeter of the frame. Note: Do not install any screws into the slots in the frame. These will be used later for casing and brickmould (fig.11).

4) Insulating the Door Unit

a) Before applying the header closure to the door frame you will need to insulate around the frame opening. We recommend using “Fiberglass Blanket Insulation”. We do not recommend the use of expanding foam, it could affect the margin around the door unit (fig.12).
9) Installing the Lockset

a) All Mastercraft doors are set up with a
2 1/8" bore hole set at either a 2 3/8" or a 2 7/8"
bore (depending on door size). All crossbores are set for a
1" drive point latch. This is done to allow
installers to utilize drive point latch systems,
radius plate systems, or square plate systems
(fig. 24).
To install the backset as a drive point system,
simply follow the lock manufacturer’s
instructions for
converting to a drive point. Hammer the
drive point into place making sure the
angled portion of the backset faces the
jamb (fig. 25).
Using the manufacturer’s instructions,
install the lockset (fig. 26).

b) Where the brickmould contacts
the frame (fig. 27).

c) Where the frame contacts the
sill (fig. 28).

d) At the nose of the sill, where it
contacts the sill plate (fig. 29).

e) Make sure the corner seals are
in place. If they have been
removed during finishing, please
make sure they are replaced
(fig. 31).

10) Final Installation

It is very important that
you finish your door sys-
tem properly. To ensure
maximum efficiency,
please caulk at the
following locations:

a) Where the brickmould contacts
the frame (fig. 27).

b) Where the frame contacts the
sill (fig. 28).

11) Finishing Recommendations

Remove all dust and debris from the surface of the door. Lightly sand the door surface
with a fine sand paper. Wash the door with a mild detergent and rinse very well. Allow
the door to dry completely. Apply a finishing coat of high quality latex paint. Carefully
follow all paint manufacturer’s preparation and finishing instructions. Do not paint the
weatherstrip. Do not close the door unit until the paint is completely dry. Please see door
window for finishing instructions for the window frame.
Note: Prefinished steel door products are produced using a protective film over the steel.
This film must be removed within 48 hours of installation.

Questions or Concerns: For guest assistance contact
MASTERCRAFT®
by sending an email to:
MastercraftDoorHelp@MidwestManufacturing.com
For more information, including troubleshooting help
and videos, please visit:
www.MastercraftDoors.com