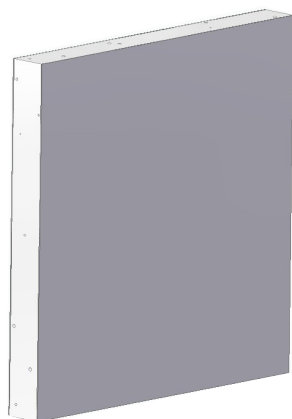


TEMPETURE RISE

SOLID CORE 250 °F(121°C) MAXIMUM TEMPERATURE RISE,
 POSITIVE PRESSURE FULL



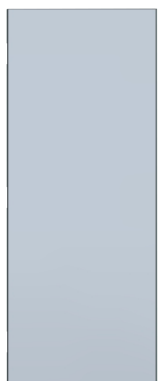
This is one of the UL solutions FORTIS DOORS has to cover the need for temperature rise of up to 3 hours, with a rigid slab of solid mineral fiber, which is bonded to both face sheets with a waterproof contact adhesive.

Suggested use:

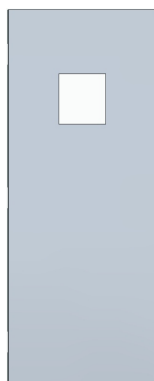
Factory/Warehouse, Institutional, Condominiums, Office, Health Care, Public Housing, Mercantile, Fire Code Compliance, Dormitories, Motel/Hotel, Apartment, Educational, Vertical means of egress, Interior or Exterior.

Pyrophobic
Systems Ltd.

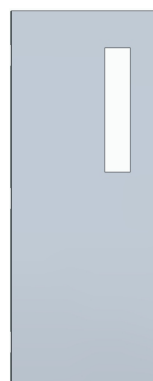
DOOR DESIGNS



Flush



Glass Type 1

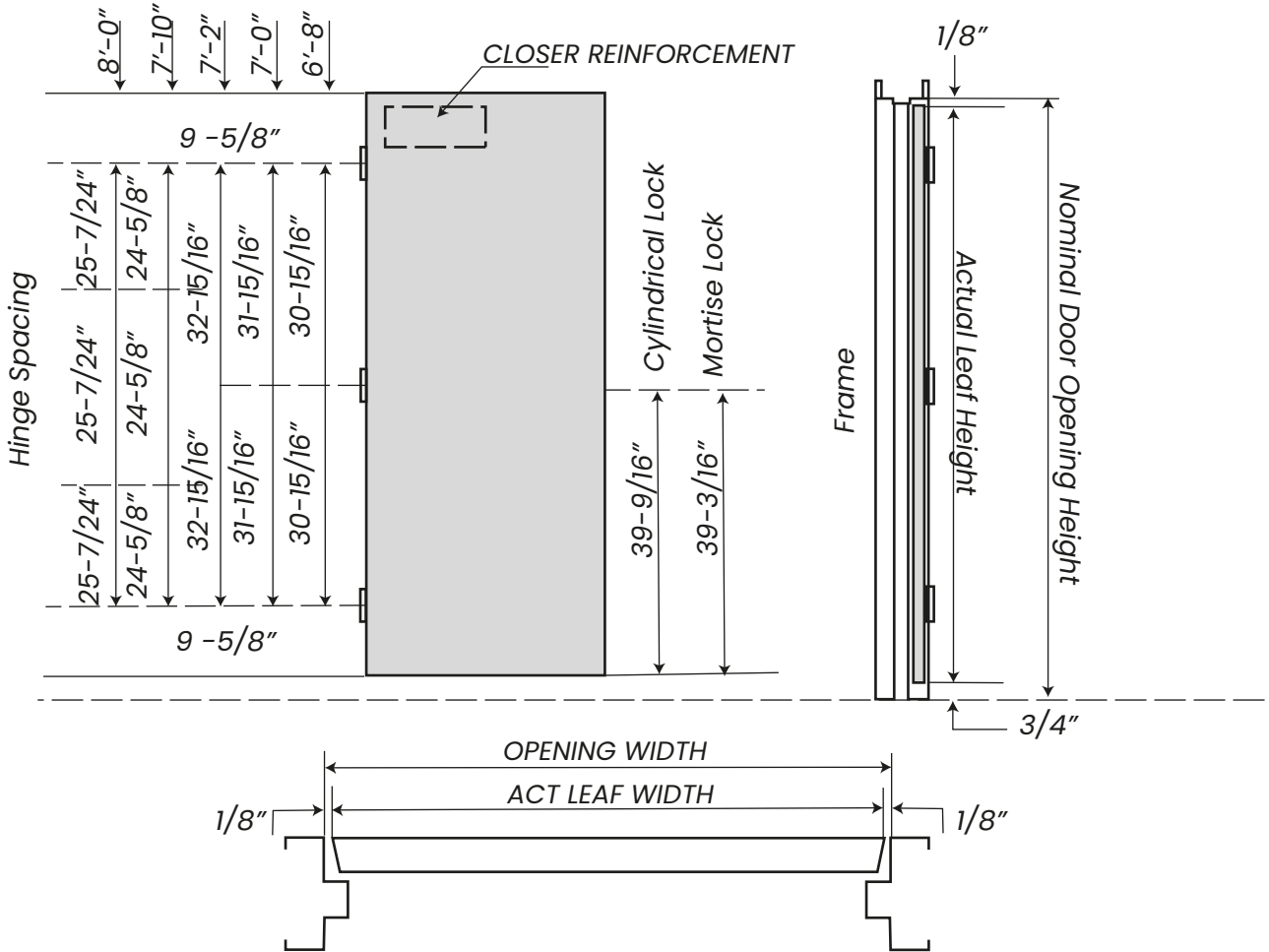


Glass Type 2

Steel doors with a thickness of 1-3/4 inches, with a tempRCORE, shall comply with the Steel Door Institute's guide specification, ANSI A250.8.

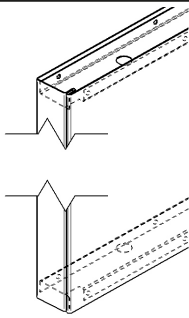
ANSI A250.8 establishes criteria to ensure that steel doors and frames meet acceptable safety and performance standards in a variety of applications. These standards may include factors such as strength, durability, and the ability to withstand specific environmental conditions. Additionally, these fire-rated doors with a honeycomb core can be manufactured in various gauges to suit specific strength and application requirements.

HARDWARE LOCATIONS



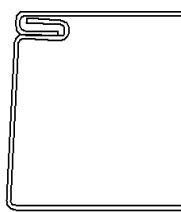
CHANNELS

16 GAGE STEEL
WELDED TO BOTH FACE SHEETS
INVERTED TOP AND BOTTOM

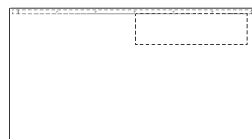


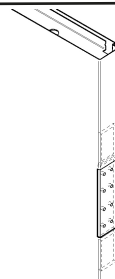
VERTICAL EDGES

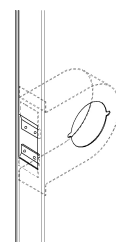
VISIBLE SEAM
SPOT WELDS ALONG THE DOOR EDGE
ALLOWS THE INSTALLATION OF ANY TYPE OF
LOCKS

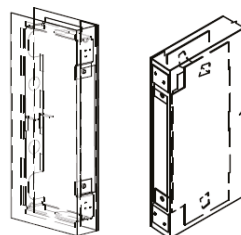


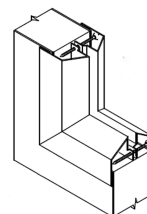
CLOSER REINFORCEMENT

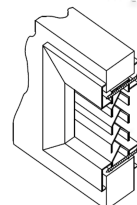
 14 GAGE STEEL
 CHANNEL 20" LONG

HINGE PREPARATION

 4-1/2" HIGH
 STANDARD OR HEAVY WEIGHT
 FULL MORTISE
 HINGE EDGE IS HANDED AND NOT BEVELED

LOCK PREPARATION

 GOV. 160/161
 CYLINDRICAL TYPE
 2-3/4" BACKSET

LOCK PREPARATION

 GOV. 86, ANSI/BHMA A115.1
 MORTISE TYPE
 THE MORTISE REINFORCEMENT FITS ANY
 MORTISE LOCK PREPARATION

GLAZING TRIM

 FOR ALL FIRE DOORS
 3/8" WIDE GLAZING POCKET

FIXED SLAT TYPE LOUVER

 FOR 1-3/4" THICK DOOR
 12"X24" FIRE RATED
 24"X24" FIRE RATED


PRODUCT SPECIFICATIONS:

STANDAR SIZES

WIDTH	HEIGHT
2' - 0"	
2' - 4"	
2' - 6"	
2' - 8"	6' - 8"
2' - 10"	7' - 0"
3' - 0"	7' - 2"
3' - 4"	7' - 10"
3' - 6"	8' - 0"
3' - 8"	
3' - 10"	
4' - 0"	

NOMINAL DOOR OPENING

The 1-3/4-inch thick steel doors, manufactured by FORTIS DOORS, meet the Steel Door Institute's ANSI A250.8 standards.

Doors may have a fire resistance rating of up to three hours, except where glass is installed, which may be subject to limitations based on gauge, size, hardware, construction, etc.

The TEMPERATURE RISE series features visible joints and is constructed with front plates made of cold-rolled commercial-grade steel according to ASTM A1008. Additionally, the option of hot-dip galvanized or galvanized steel according to ASTM A924 and A653 is available.

The faceplates of the 3-hour fire-resistance fire doors are fabricated from commercial-grade cold-rolled steel, hot-dipped galvanized or galvanized steel. The core consists of a solid, UL-listed mineral fiber slab assembled in one piece and bonded with a waterproof contact adhesive. To ensure structural integrity, the top and bottom edges of the door are reinforced with 16-gauge steel channels welded to both sides.

FIRE DOORS

UL CERTIFIED UP TO 3 HOURS
OF FIRE RESISTANCERATING: 1 HR, 1- 1/2 HR OR 3 HR
MAX. SIZE: 4'0" X 8'0" SINGLE

Regarding hardware, the edges of the hinge boxes are recessed for standard and heavy-duty 4-1/2-inch hinges, with 7-gauge steel reinforcements welded inside the door edge. Various locks can be installed depending on customer needs, with the option of internal plating for security locks, panic locks, fire-rated locks, and customer choice door closers.

For painting, the doors are supplied with a neutral-colored oven-cured primer coat, meeting ANSI A250.10 standards. A custom color option is available but may incur additional costs.

DOOR FACE SHEET	LEVEL	RECOMMENDED DOOR FRAME MATERIAL
20 GAGE STEEL	STANDARD DUTY	16 GAGE STEEL
18 GAGE STEEL	HEAVY DUTY	16 GAGE STEEL
16 GAGE STEEL	EXTRA HEAVY DUTY	16 OR 14 GAGE STEEL
14 GAGE STEEL	MAXIMUM DUTY	16 OR 12 GAGE STEEL