

Recommended Selection and Usage Guide for Standard Steel Doors, Frames and Accessories

- A. Recommended Standard Steel Door Frame Details**
- B. Recommended Standard Details for Dutch Doors**
- C. Recommended Louver Details for Standard Steel Doors**
- D. Recommended Door, Frame and Hardware Schedule for Standard Steel Doors and Frames**
- E. Recommended Guidelines for the Use of Gasketing and Thresholds for Standard Steel Doors and Frames**
- F. Recommended Existing Wall Anchors for Standard Steel Doors and Frames**
- G. Recommended Standard Preparation for Double Type (Interconnected) Locks on Standard Steel Doors and Frames**
- H. High Frequency Hinge Preparations for Frames**



STEEL DOOR INSTITUTE

30200 DETROIT ROAD • CLEVELAND, OH 44115



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SDI-111

The information that follows represents the Standard Steel Door and Frame Industry's considered views on a number of details normally encountered in building plans and specifications. The SDI recommends that they be followed except when very unusual details necessitate special drawings. The enclosed may be used as a reference document or added directly to the job drawings.

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Recommended
**Standard Steel Door
Frame Details**



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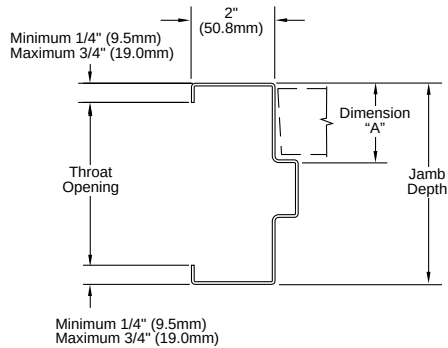
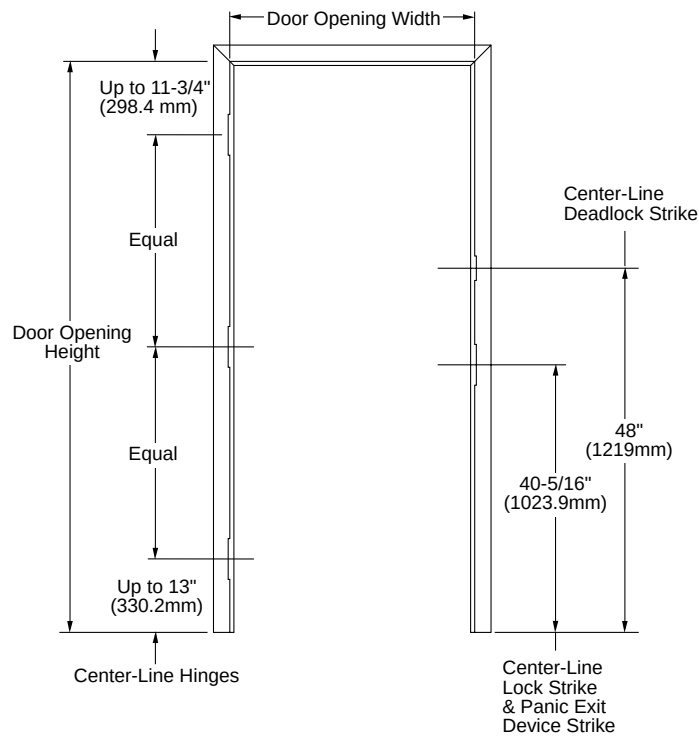
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STANDARD FRAME DETAILS
Standard Profiles

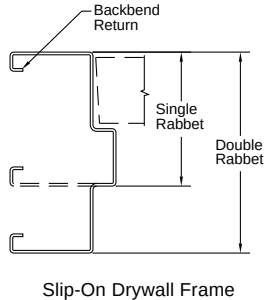
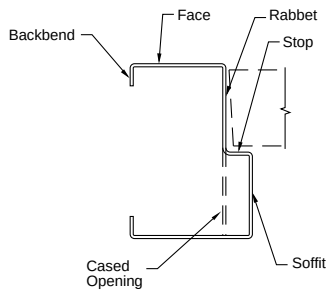
Corners

Hardware Locations

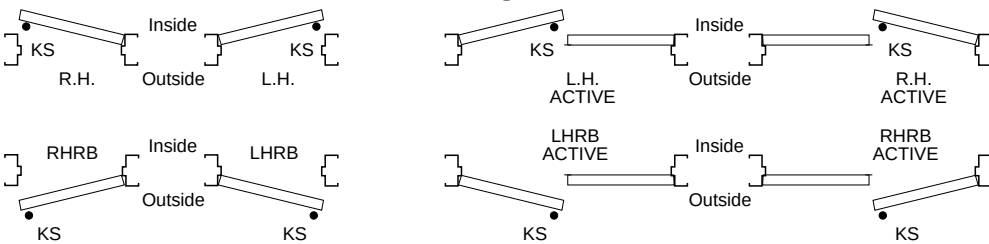


Double Rabbet Frame

Door Thk.	Dim. "A"
1-3/8" (38.9mm)	1-9/16" (39.6mm)
1-3/4" (44.4mm)	1-15/16" (49.2mm)



Handing Chart

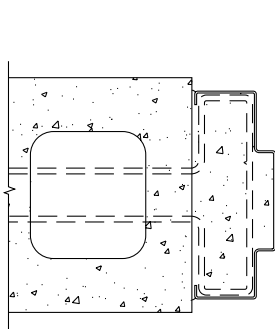


Note: Center Hinge Omitted on 6'-8" (2032mm), 1-3/8" (34.5mm) Doors, Unless Specified.

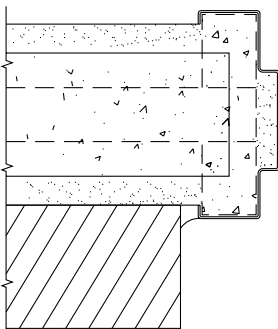
KS Indicates Keyed Side of Lockset

COMMON WALL CONDITIONS

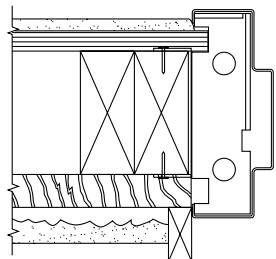
Drywall



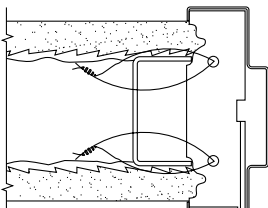
Butted Masonry, Brick Tile or Concrete Block



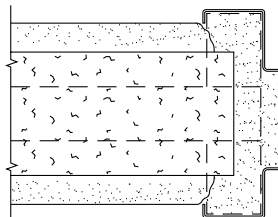
4" Block and Brick Combination



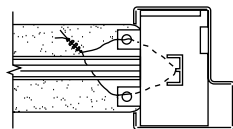
Stucco — 2 x 4 Wood Stud with 3/4" Gypsum Board & Plaster



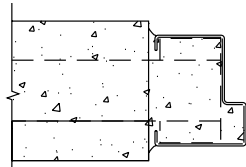
3-1/4" Steel Stud with 3/4" Plaster on Metal Lath



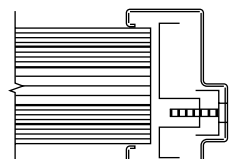
3" (76.2 mm) Precast Gypsum Tile with 5/8" (15.8 mm) Plaster



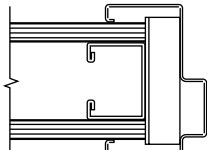
2" Solid Plaster with 1/2" Gypsum Board Core



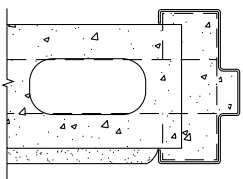
Butted Masonry, Tile or Concrete Block



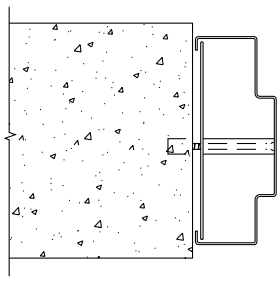
1" Gypsum Core with 5/8" Gypsum Board with 1/2" or 5/8" Gypsum Board



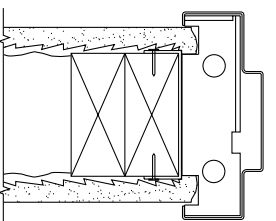
1-5/8" Steel or Wood Stud with 1/2" or 5/8" Gypsum Board



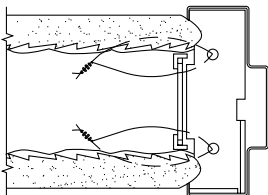
4" Block with 1/2" Plaster



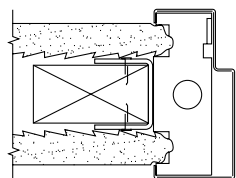
Existing Masonry or Concrete



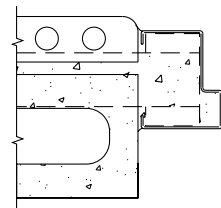
2 x 4 Wood Stud with 3/4" Plaster on Metal Lath



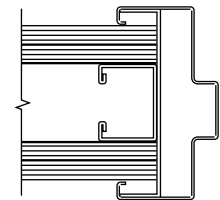
3-1/4" Wire Steel Stud with 3/4" Plaster on Metal Lath



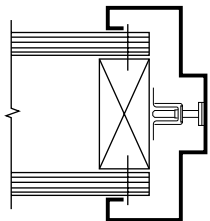
2 x 4 Wood Stud with 3/4" Plaster on Metal Lath



2" Corner Tile and 4" Block Combination

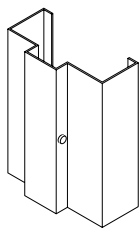


2-1/2" or 3-5/8" Steel Stud with Two Layers of 5/8" Gypsum Board Each Side

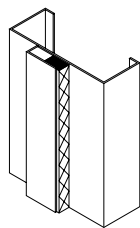


2-1/2" or 3-5/8" Steel or Wood Stud with 1/2" or 5/8" Gypsum Board

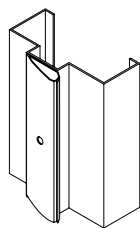
SPECIAL FRAME CONSTRUCTION DETAILS AND TYPICAL HARDWARE PREPARATIONS



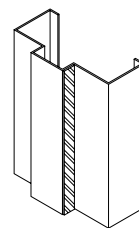
Rubber Silencers



Gasket Frame

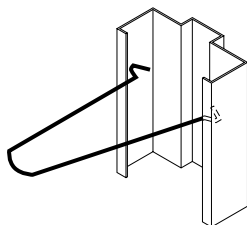


Surface Mounted Weatherstrip

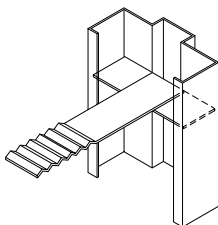


Surface Applied Pressure Sensitive Weatherstrip

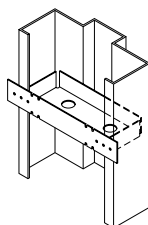
Anchor Details



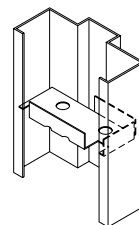
Masonry Wire Anchor



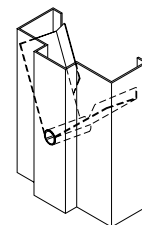
Masonry Tee Anchor



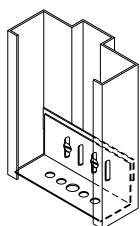
Wood Stud Anchor



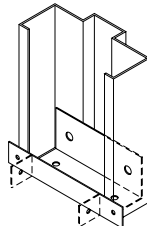
Steel Stud Anchor



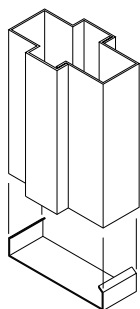
Existing Wall Anchor



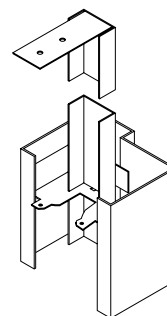
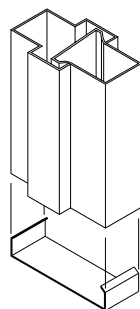
Adjustable Base Anchor



Wood Stud Base Anchor

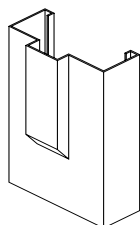


Typical Mullion Sections with Base Anchor

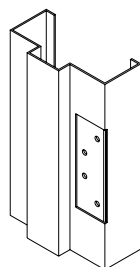


Plaster Partition Anchor
(Ceiling Strut Optional)

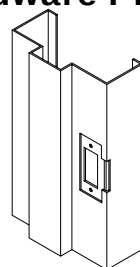
Special Frame Details



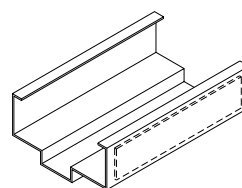
Hospital Stop



Mortise Hinge



Strike



Surface Hardware Reinforcement.
Weld-in Reinforcement Shown,
Loose Reinforcing Sleeve Available
for Field Installation.

For more information on steel doors and frames, contact any of the following members of the Steel Door Institute:

AMWELD BUILDING PRODUCTS INC.

P.O. Box 267
Garrettsville, OH 44231
(330) 527-4385
FAX (330) 527-4510

BENCHMARK COMMERCIAL DOORS

Division of General Products Co., Inc.
P.O. Box 7387
Fredericksburg, VA 22404-7387
(540) 898-5800
FAX (540) 898-5894

CECO DOOR PRODUCTS

A United Dominion Company
750 Old Hickory Boulevard
One Brentwood Commons, Suite 150
Brentwood, TN 37027-4502
(615) 661-5030
FAX (615) 370-5299

CURRIES COMPANY

P.O. Box 1648
Mason City, IA 50402-1648
(641) 423-1334
FAX (641) 423-9104

DEANSTEEL MANUFACTURING CO.

111 Merchant Street
San Antonio, TX 78204-1496
(210) 226-8271
FAX (210) 226-0913

THE KEWANEE CORPORATION

P.O. Box 309
Kewanee, IL 61443-0309
(309) 853-4481
FAX (309) 853-5466

MESKER DOOR, INC.

3440 Stanwood Boulevard
Huntsville, AL 35811-9021
(256) 851-6670
FAX (888) 851-7896

PIONEER INDUSTRIES INC.

401 Washington Avenue
Carlstadt, NJ 07072
(201) 933-1900
FAX (201) 933-9580

REPUBLIC BUILDERS PRODUCTS

155 Republic Drive
McKenzie, TN 38201-0580
(901) 352-3383
FAX (901) 352-3001

SECURITY METAL PRODUCTS CORP.

5700 Hannum Avenue
Suite 250
Culver City, CA 90230
(310) 641-6690
FAX (310) 641-6601

STEELCRAFT

IR Security & Safety
9017 Blue Ash Road
Cincinnati, OH 45242
(513) 745-6400
FAX (513) 745-6446



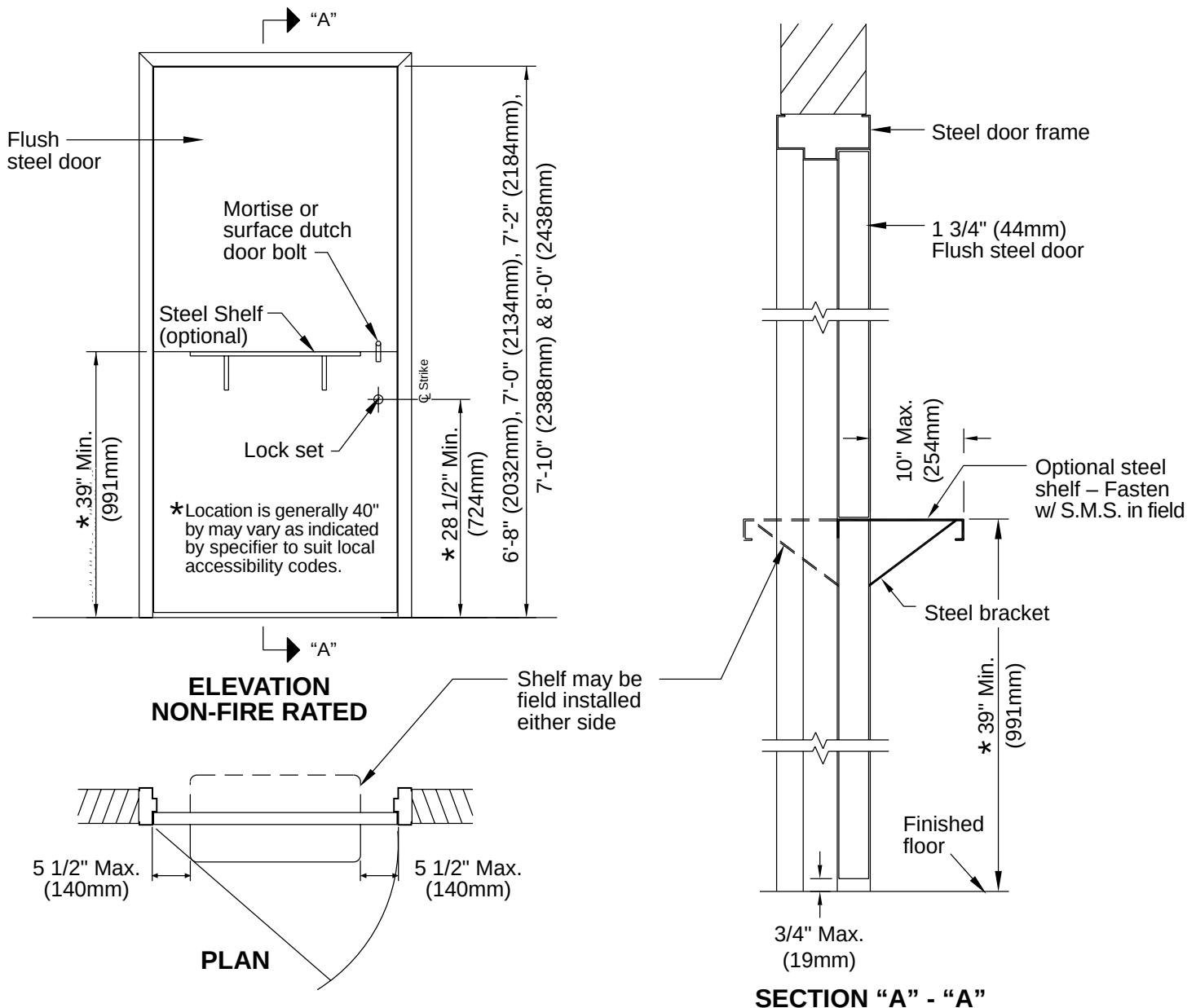
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Documents

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Recommended Standard Details for Dutch Doors



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