

PREMIER

ASSA ABLOY

Technical Data Sheets

Notes to Recipient:

- Updates: To receive updates, free of charge, mail a copy of the contents page on your company letterhead to:
Premier Products, Inc.
P.O. Box 7269
Monroe, LA 71211
- We reserve the right to make changes in specifications, construction, design, and details, without notice, at any time in such manner as we deem necessary. Corrections to reflect such changes will be included in subsequent printings of this publication.
- Metric Conversion: Millimeters - shown in parenthesis after dimensions - are "soft conversion" calculations.

Metric Conversion Chart for Steel Thickness

GAGE	DECIMAL	MM
20	.032"	0.8
18	.042"	1.0
16	.053"	1.3
14	.067"	1.7
12	.093"	2.3
10	.123"	3.1
9	.138"	3.5
7	.167"	4.2

TECHNICAL DATA SHEETS

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General

Full Line Product Catalog

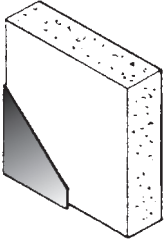
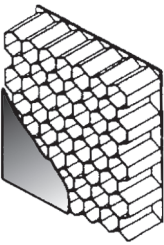
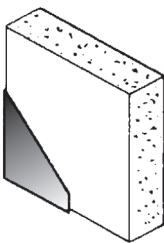
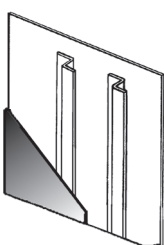
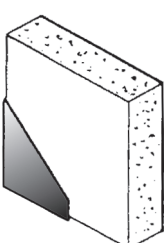
Doors

- No. 100 - Door Cores
- No. 101 - 20 and 18 gage "OMNI" Doors (All types)
- No. 102 - 20, 18 and 16 gage Beveled Doors (All types)
- No. 103 - 20 gage Six Panel Embossed Doors
- No. 104 - Fire Doors
- No. 105 - Severe Windstorm Rated Doors
- No. 106 - Severe Windstorm Rated Doors For Metal Buildings
- No. 107 - Severe Windstorm Rated Door Glazing

Frames

- No. 200 - 1 $\frac{3}{8}$ " (35) Commercial Door Frames
- No. 201 - 1 $\frac{3}{4}$ " (44) Commercial Door Frames
- No. 202 - 1 $\frac{3}{8}$ " (35) Drywall Door Frames
- No. 203 - 1 $\frac{3}{4}$ " (44) Drywall Door Frames
- No. 204 - Sticks and Stick Assemblies
- No. 205 - Fire Door Frames
- No. 206 - Severe Windstorm Rated Door Frames
- No. 207 - Severe Windstorm Rated Door Frames For Metal Buildings

DESCRIPTION

		U FACTOR	R FACTOR	STC RATING
	Polystyrene A rigid pre-foamed polystyrene slab of 1.0# test density shall be bonded to face sheets with an adhesive. The strength of the bond between the polystyrene core and the steel face sheets shall exceed the strength of the polystyrene so that delamination does not occur under any operating condition. Polystyrene cores are fully weather sealed and efficient in extreme weather conditions.	.153c	6.54c	25c
	Honeycomb A 99# test honeycomb cell core shall be laminated to the inside of both face sheets with an adhesive. The core shall be impregnated with water resistant resin and shall have a crushing strength of 55 psi. Honeycomb cores are fully weather sealed and efficient in 95% of all weather conditions.	.42c	2.38c	31c
	Polyurethane A closed cell waterproof foamed-in-place polyurethane core shall completely fill the inside of the door. Core shall be self-adhesive giving total surface support and resulting in a superior bond so that delamination does not occur under any operating condition. Foamed-in-place polyurethane cores are fully weather sealed and typically recommended only in arctic conditions.	.079c	12.64c	26c
	Polyurethane Steel Stiffened A closed cell waterproof foamed-in-place polyurethane core shall completely fill the inside of the door. Core shall be self-adhesive giving total surface support and resulting in a superior bond with the face sheets and vertical steel stiffeners so that delamination does not occur under any operating condition. Steel stiffeners shall be formed from minimum 20 gage (.032) steel, spaced not more than 6" (152) apart, and securely attached to the face sheets by spot welds.	.079c	12.64c	26c
	Mineral Fiberboard A rigid core of mineral composite fiberboard shall be bonded to the face sheets. The strength of the bond between the core and the face sheets shall be sufficient to resist delamination under any operating condition. This core has a maximum 250 degree Fahrenheit temperature rise and is designed to resist heat transfer through the door to the rated temperature for 30 minutes. This core should only be used in fire rated openings where a temperature rise limitation is a requirement.	.27c	3.7c	36c

PAINTING INSTRUCTIONS

TIPS FOR FINISH PAINTING YOUR PREMIER DOOR:

The prime paint finish on this door is designed to provide protection during normal storage, shipping, and installation at the job site and to provide a uniform base for finish painting. It is recommended that a good top coat of paint be applied to the door after installation is completed. It is the responsibility of the user to maintain the integrity of the finish after installation.

Typical latex and alkyd topcoats are recommended as a finish paint. While we cannot guarantee its compatibility with all products in the market, it will perform well with most major brands. If there is any question, a test patch is advisable.

WE DO NOT RECOMMEND THE USE OF EPOXY, URETHANE OR LACQUER TOPCOATS ON THIS PRIMER WITHOUT A PRIOR TEST PATCH TO DETERMINE THE COMPATIBILITY WITH THESE STRONG SOLVENT CONTAINING TOPCOATS. Lifting, wrinkling, or other surface anomalies may occur. In some cases it may be necessary to first reprime the door with a primer recommended by your paint manufacturer.

RECOMMENDED PAINTING INSTRUCTIONS:

First, repair any dents or scratches which occurred during installation (as noted below). Sand the primer finish lightly with a very fine sand paper, be sure the surface is clean and dry.

If the primer has been scratched or damaged so that rusting has occurred, sand lightly with steel wool or fine sandpaper to remove all traces of rust (any rust not removed will eventually become active and bleed through any subsequent topcoats). After all rust has been removed and you are sure the surface is clean and dry, reapply primer over the entire repair area prior to applying your topcoat.

DENT REPAIR:

Sand to bare metal (including area around dent) with #80 sandpaper. Apply automobile body filler (available at automobile stores) as directed on container. After filling, cure thoroughly, sand with fine sandpaper to a smooth flat surface. Be sure surface is clean and dry, then reapply primer over entire repair area.

SCRATCHES:

Feather scratches to the bare metal with very fine sandpaper. Be sure surface is clean and dry, then reapply primer over entire repair area.

TECHNICAL DATA

Series S20-4 and S18-4	(Polystyrene)
Series H20-4 and H18-4	(Honeycomb)
Series P20-4 and P18-4	(Polyurethane)
Series PS20-4 and PS18-4	(Polyurethane, Steel Stiffened)
Series M18-4	(Mineral Core)

NONHANDED “OMNI” CONSTRUCTION SPECIFICATIONS

SECTION 08100 - METAL DOORS

1.0 GENERAL

- 1.1 **Scope:** This specification applies to standard steel doors as shown on the plans and door schedules and are to be Omni doors as manufactured by Premier Products, Inc., Monroe, Louisiana.
- 1.2 **Quality Assurance:** Provide doors in compliance with Federal Specification RR-D-575 C, ANSI A224.1, ANSI A151.1, ANSI A250.8, and ANSI/NAAMM HMMA 867. Provide fire doors listed by Underwriters Laboratories or Warnock Hersey International. Provide level and model in ANSI A250.8 as listed herein.

2.0 PRODUCTS

- 2.1 **Construction:** Provide doors of 1 3/4" (44) thick full flush construction with tight hemmed vertical interlocking seams on both square edges. Provide doors complying to ANSI A250.8 level and model number (select from chart).
- 2.2 **Steel:** Provide doors with skins fabricated from (20 or 18 - select one) gage hot dipped galvanized steel, mill treated for proper paint adherence complying with ASTM A653.
- 2.3 **Top and Bottom Channels:** Provide top and bottom channels of 16 gage steel projection welded to door skins on 2" (51) centers. Top channel is to be flush, bottom channel inverted.
- 2.4 **Hinge Provision:** Provide doors with 9 gage steel hinge reinforcements projection welded to the door skins in six places each. Hinge provision is to be cut through the door and provided with reversible hinge filler plates to allow building site handing. Standard hinge provision is to be for

- 4 1/2" (114) regular weight .134" (3) hinge, conforming to ANSI A156.7, three provisions through 7' 2" (2184) height and four over 7' 2" (2184) to 9' 0" (2743) height.
- 2.5 **Lock Provision:** Provide doors with 14 gage steel formed lock reinforcements with extruded tapped holes projection welded to the door skins in six places. Provide recommended internal reinforcements to support door skins during hardware installation per ANSI A115 standards. Standard lock provision is to be for cylindrical 2 3/4" (70) backset ANSI A115.2 Series 4000 (Gov't 161) or for mortise 2 3/4" (70) backset ANSI A115.1 Series 1000 (Gov't 86).
- 2.6 **Core Construction:** (Select core(s) of choice)

2.6.1 **Polystyrene:** Provide doors with pre-foamed polystyrene slab of 1.0# test density filling the inside of the door. Core is to be secured to face skins with adhesive. Polystyrene core doors shall meet the following performance standards: 'U' FACTOR = .153c - 'R' FACTOR = 6.54c - STC Rating = 25c. - **FIRE PROTECTION to 3 hours.** Premier Series 'S'.

2.6.2 **Honeycomb:** Provide doors with 99# test honeycomb cell core, crush strength of 55 psi. Impregnate core with water resistant resin. Core is to be secured to face skins with adhesive. Honeycomb core doors shall meet the following performance standards- 'U' FACTOR = .42c - 'R' FACTOR = 2.38c - STC Rating = 31c. - **FIRE PROTECTION to 3 hours.** Premier Series 'H'.

2.6.3 **Polyurethane:** Provide doors with a closed cell, waterproof foamed-in-place urethane core completely filling the inside of the door. Polyurethane core doors shall meet the following performance standards: 'U' FACTOR =

NONHANDED CONSTRUCTION SPECIFICATIONS (continued)

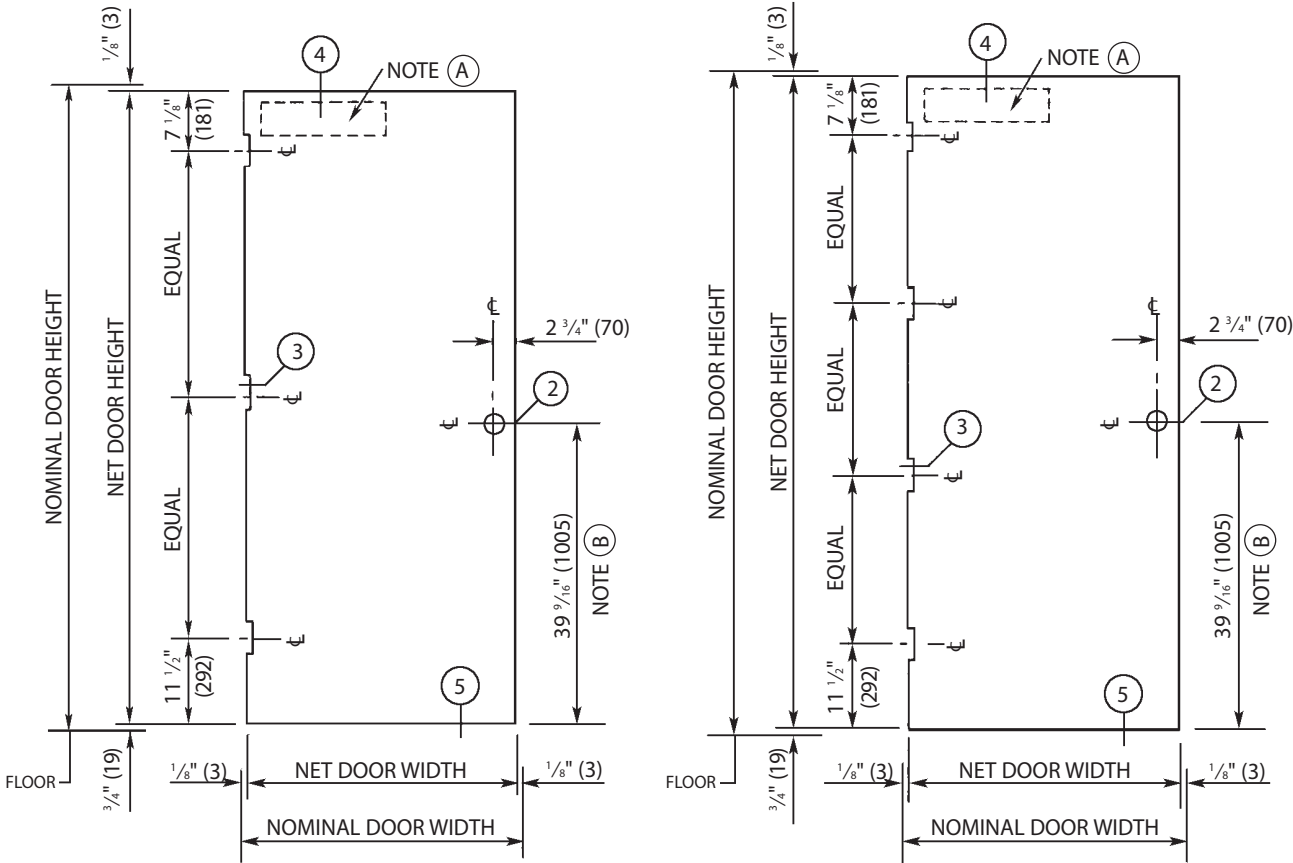
- .079c - 'R' FACTOR = 12.64c - STC RATING = 26c - **FIRE PROTECTION to 1 1/2 hours.** Premier series 'P'.
- 2.6.4 **Polyurethane Steel Stiffened:** Provide doors with 20 gage vertical steel "Z" stiffeners welded to face skins at 6" (152) centers and foamed-in-place closed cell, waterproof urethane core completely filling the inside of the door. Polyurethane steel stiffened doors shall meet the following standards- 'U' FACTOR = .079c - 'R' FACTOR = 12.64c - STC RATING = 26c - **FIRE PROTECTION TO 1 1/2 hours.** Premier Series 'PS'.
- 2.6.5 **Mineral:** Provide fire doors requiring maximum 250 degree fahrenheit temperature rise with mineral composite fire door core to resist heat transfer through the door to the rated temperature for 30 minutes. Mineral core doors shall meet the following performance standards: **FIRE PROTECTION to 3 hours - TEMPERATURE RISE IN 30 MINUTES to maximum 250 degrees fahrenheit.** Premier Series 'M'.
- 2.7 **Closer and other Reinforcement:** Provide all 18 gage doors with a 14 gage box type closer reinforcement attached to the top channel. Provide identical closer reinforcement on all 20 gage doors scheduled to receive a surface applied door closer. Provide other door reinforcing as necessary to support the hardware scheduled in accordance with ANSI A250.6.
- 2.8 **Painting:** Provide doors chemically treated for proper paint adherence and prime painted at the factory. Finish paint to be applied at the building site by the contractor.
- 2.9 **Packaging:** Provide doors packaged in banded cartons.
- 2.10 **Fire Protection: Provide doors with fire ratings in accordance with the door schedule from Underwriters Laboratories or Warnock Hersey International.**
- 2.11 **Glass Glazing and Louvers:** Where required by the plans, doors are to be provided prepared for installation of glass and/or louvers. Door suppliers shall provide the cutouts, steel glazing frames and steel framed louvers. Glass, installation and finish painting shall be by the contractor.

3.0 EXECUTION

- 3.1 **Storage and Handling:** Store doors at the building site under cover. Place units on at least 4" (102) wood sills or on the floor in a manner that will prevent rust and damage. Avoid the use of non-vented plastic or canvas shelters which create a humidity chamber. If the wrapper on the door becomes wet, remove the carton immediately. Provide a 1/4" (6) space between the doors to promote air circulation.
- 3.2 **Installation:** Contractor to provide installation of the doors plumb, square and in true alignment. Adjust doors to required clearances and tolerances, complying with NFPA 80, section 2-5.4 for fire doors.

ANSI A250.8 CLASSIFICATION			
LEVEL	MODEL	CONSTRUCTION	PREMIER SERIES
I	Physical Performance Level C [1 3/4" (44) and 1 3/8" (35)]	1 Full Flush	S, H, P, PS
	Standard Duty Minimum gage = 20	2 Seamless	S, H, P, PS
II	Physical Performance Level B [1 3/4" (44) only]	1 Full Flush	S, H, P, PS, M
	Heavy Duty Minimum gage = 18	2 Seamless	S, H, P, PS, M

see page 101-4 for balance of specifications



6'-8" (2032) THRU 7'-2" (2184) HIGH DOOR HARDWARE LOCATIONS

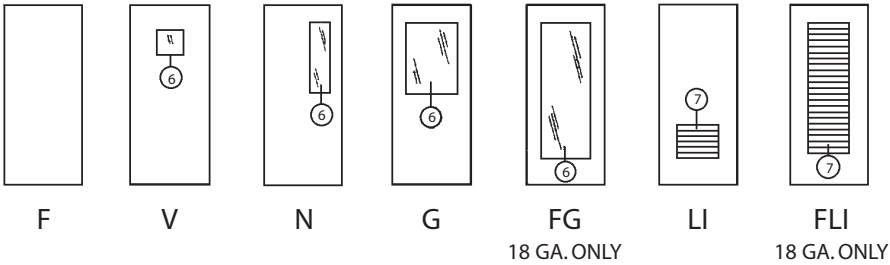
OVER 7'-2" (2184) THRU 9'-0" (2743) HIGH DOOR HARDWARE LOCATIONS

NOTE (A)
CLOSER REINFORCEMENT IS STANDARD ON 18 GAGE DOORS.

NOTE (B)
DIMENSION SHOWN IS FOR A CYLINDRICAL LOCK PROVISION AND IS $\frac{3}{8}$ " (10) LESS FOR A MORTISE LOCK PROVISION.

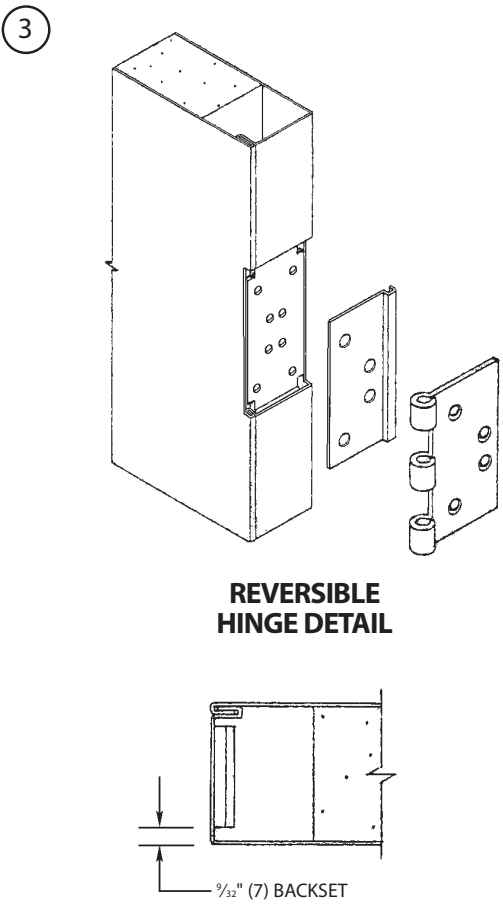
GALVANIZED DOORS: Many steel doors are used for exterior applications. Exterior doors receive unusually rough treatment and are subject to scratching, marring and therefore, rusting when the metal is not properly protected. Zinc coating on hot dipped galvanized steel will protect the exposed steel over a considerable area of bare surface when the paint covering is removed. Cold rolled steel and wipe coat galvanized steel will not. Hot dip galvanizing also protects the door from rust from the inside-out. All doors manufactured by Premier have hot dipped galvanized faces at no additional cost. Specifications for all steel doors should state "HOT DIPPED GALVANIZED STEEL FACES" and prime painting.

DOOR TYPES

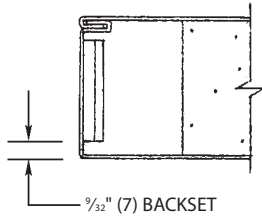


STANDARD DOOR SIZES		
DOOR SIZE	20 GAGE	18 GAGE
2068 (610) (2032)	•	•
2468 (711) (2032)	•	•
2668 (762) (2032)	•	•
2868 (813) (2032)	•	•
3068 (914) (2032)	•	•
3468 (1016) (2032)	•	•
3668 (1067) (2032)	•	•
3868 (1118) (2032)	•	•
4068 (1219) (2032)	•	•
2070 (610) (2134)	•	•
2470 (711) (2134)	•	•
2670 (762) (2134)	•	•
2870 (813) (2134)	•	•
3070 (914) (2134)	•	•
3470 (1016) (2134)	•	•
3670 (1067) (2134)	•	•
3870 (1118) (2134)	•	•
4070 (1219) (2134)	•	•
2072 (610) (2184)	•	•
2472 (711) (2184)	•	•
2672 (762) (2184)	•	•
2872 (813) (2184)	•	•
3072 (914) (2184)	•	•
3472 (1016) (2184)	•	•
3672 (1067) (2184)	•	•
3872 (1118) (2184)	•	•
4072 (1219) (2184)	•	•
3080 (914) (2438)	•	•
4080 (1219) (2438)	•	•
4090 (1219) (2743)	•	•

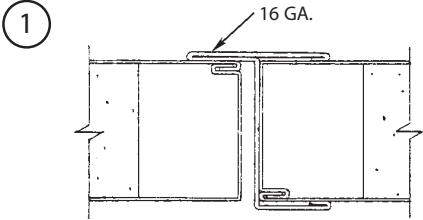
NOTE: Above door sizes are also available in pairs. Other door sizes and designs available upon request. All core constructions may not be available in all sizes listed.



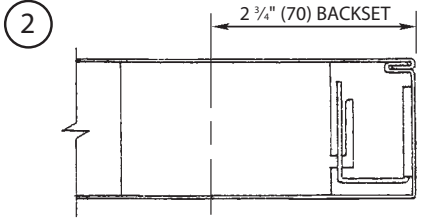
REVERSIBLE HINGE DETAIL



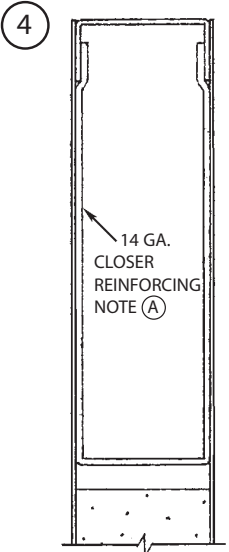
9/32" (7) BACKSET



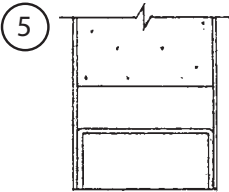
PAIRS WITH ASTRAGAL



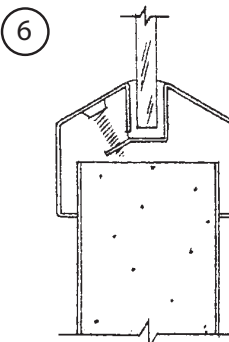
GOV'T 161 CYLINDRICAL LOCK PROVISION



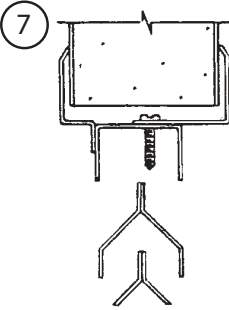
FLUSH TOP CHANNEL



INVERTED BOTTOM CHANNEL



STEEL LITE KIT



STEEL LOUVER

TECHNICAL DATA

Series S20-4, S18-4 and S16-4	(Polystyrene)
Series H20-4, H18-4 and H16-4	(Honeycomb)
Series P20-4, P18-4 and P16-4	(Polyurethane)
Series PS20-4, PS18-4 and PS16-4	(Polyurethane, Steel Stiffened)
Series M18-4 and M16-4	(Mineral Core)

HANDED CONSTRUCTION SPECIFICATIONS

SECTION 08100 - METAL DOORS

1.0 GENERAL

- 1.1 **Scope:** This specification applies to standard steel doors as shown on the plans and door schedules and are to be beveled doors as manufactured by Premier Products, Inc., Monroe, Louisiana.
- 1.2 **Quality Assurance:** Provide doors in compliance with Federal Specification RR-D-575 C, ANSI A224.1, ANSI A151.1, ANSI A250.8, and ANSI/NAAMM HMMA 867. Provide fire doors listed by Underwriters Laboratories or Warnock Hersey International. Provide level and model in ANSI A250.8 as listed herein.

2.0 PRODUCTS

- 2.1 **Construction:** Provide doors of 1 3/4" (44) thick full flush construction with tight hemmed vertical interlocking seams on both edges. Provide doors complying to ANSI A250.8 level and model number (select from chart).
- 2.2 **Steel:** Provide doors with skins fabricated from (20, 18 or 16 -select one) gage hot dipped galvanized steel, mill treated for proper paint adherence complying with ASTM A653.
- 2.3 **Top and Bottom Channels:** Provide top and bottom channels of 16 gage steel projection welded to door skins on 2" (51) centers. Top channel is to be flush, bottom channel inverted.
- 2.4 **Hinge Provision:** Provide doors with 9 gage steel hinge reinforcements projection welded to the door skins in six places each. Standard hinge provision is to be for 4 1/2" (114) regular weight .134" (3) hinge, conforming to ANSI A156.7, three preparations through 7' 2" (2184) height and four over 7' 2" (2184) to 9' 0" (2743) height.

- 2.5 **Lock Provision:** Provide doors with 14 gage steel formed lock reinforcements with extruded tapped holes projection welded to the door skins in six places. Provide recommended internal reinforcements to support door skins during hardware installation per ANSI A115 standards. Standard lock provision is to be for cylindrical 2 3/4" (70) backset ANSI A115.2 Series 4000 (Gov't 161) or for mortise 2 3/4" (70) backset ANSI A115.1 Series 1000 (Gov't 86).
- 2.6 **Core Construction:** (Select core(s) of choice)

2.6.1 **Polystyrene:** Provide doors with pre-foamed polystyrene slab of 1.0# test density filling the inside of the door. Core is to be secured to face skins with adhesive. Polystyrene core doors shall meet the following performance standards: 'U' FACTOR = .153c - 'R' FACTOR = 6.54c - STC Rating = 25c. - **FIRE PROTECTION to 3 hours.** Premier Series 'S'.

2.6.2 **Honeycomb:** Provide doors with 99# test honeycomb cell core, crush strength of 55 psi. Impregnate core with water resistant resin. Core is to be secured to face skins with adhesive. Honeycomb core doors shall meet the following performance standards- 'U' FACTOR = .42c - 'R' FACTOR = 2.38c - STC Rating = 31c. - **FIRE PROTECTION to 3 hours.** Premier Series 'H'.

2.6.3 **Polyurethane:** Provide doors with a closed cell, waterproof foamed-in-place urethane core completely filling the inside of the door. Polyurethane core doors shall meet the following performance standards: 'U' FACTOR = .079c - 'R' FACTOR = 12.64c - STC RATING = 26c - **FIRE PROTECTION to 1 1/2 hours.** Premier series 'P'.

HANDED CONSTRUCTION SPECIFICATIONS (continued)

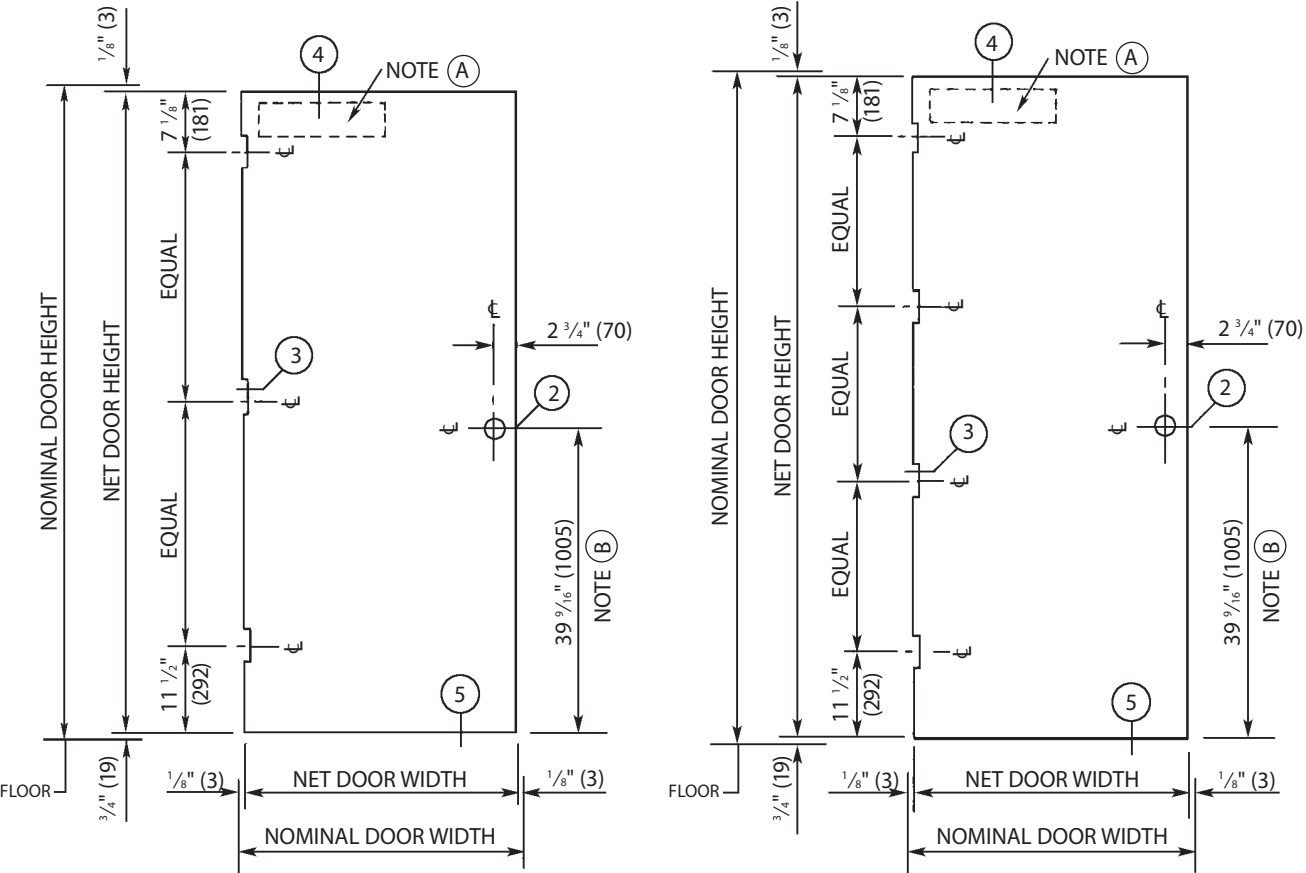
- 2.6.4 **Polyurethane Steel Stiffened:** Provide doors with 20 gage vertical steel "Z" stiffeners welded to face skins at 6" (152) centers and foamed-in-place closed cell, waterproof urethane core completely filling the inside of the door. Polyurethane steel stiffened doors shall meet the following standards- 'U' FACTOR = .079c - 'R' FACTOR = 12.64c - STC RATING = 26c - **FIRE PROTECTION TO 1 1/2 hours.** Premier Series 'PS'.
- 2.6.5 **Mineral:** Provide fire doors requiring maximum 250 degree fahrenheit temperature rise with mineral composite fire door core to resist heat transfer through the door to the rated temperature for 30 minutes. Mineral core doors shall meet the following performance standards: **FIRE PROTECTION to 3 hours - TEMPERATURE RISE IN 30 MINUTES to maximum 250 degrees fahrenheit.** Premier Series 'M'.
- 2.7 **Closer and other Reinforcement:** Provide all 18 and 16 gage doors with a 14 gage box type closer reinforcement attached to the top channel. Provide identical closer reinforcement on all 20 gage doors scheduled to receive a surface applied door closer. Provide other door reinforcing as necessary to support the hardware scheduled in accordance with ANSI A250.6.
- 2.8 **Painting:** Provide doors chemically treated for proper paint adherence and prime painted at the factory. Finish paint to be applied at the building site by the contractor.
- 2.9 **Packaging:** Provide doors packaged in banded cartons.
- 2.10 **Fire Protection: Provide doors with fire ratings in accordance with the door schedule from Underwriters Laboratories or Warnock Hersey International.**
- 2.11 **Glass Glazing and Louvers:** Where required by the plans, doors are to be provided prepared for installation of glass and/or louvers. Door suppliers shall provide the cutouts, steel glazing frames and steel framed louvers. Glass, installation and finish painting shall be by the contractor.

3.0 EXECUTION

- 3.1 **Storage and Handling:** Store doors at the building site under cover. Place units on at least 4" (102) wood sills or on the floor in a manner that will prevent rust and damage. Avoid the use of non-vented plastic or canvas shelters which create a humidity chamber. If the wrapper on the door becomes wet, remove the carton immediately. Provide a 1/4" (6) space between the doors to promote air circulation.
- 3.2 **Installation:** Contractor to provide installation of the doors plumb, square and in true alignment. Adjust doors to required clearances and tolerances, complying with NFPA 80, section 2-5.4 for fire doors.

ANSI A250.8 CLASSIFICATION			
LEVEL	MODEL	CONSTRUCTION	PREMIER SERIES
I	Physical Performance Level C [1 3/4" (44) and 1 3/8" (35)]	1 Full Flush	S, H, P, PS
	Standard Duty Minimum gage = 20	2 Seamless	S, H, P, PS
II	Physical Performance Level B [1 3/4" (44) only]	1 Full Flush	S, H, P, PS, M
	Heavy Duty Minimum gage = 18	2 Seamless	S, H, P, PS, M
III	Physical Performance Level A [1 3/4" (44) only]	1 Full Flush	S, H, P, PS, M
	Extra Heavy Duty Minimum gage = 16	2 Seamless	S, H, P, PS, M

see page 102-4 for balance of specifications



6'-8" (2032) THRU 7'-2" (2184) HIGH
DOOR HARDWARE LOCATIONS

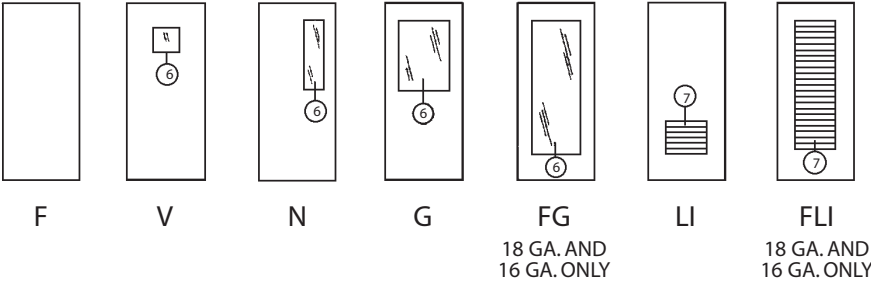
OVER 7'-2" (2184) THRU 9'-0" (2743) HIGH
DOOR HARDWARE LOCATIONS

NOTE (A)
CLOSER REINFORCEMENT IS STANDARD ON 18 GAGE AND 16 GAGE DOORS.

NOTE (B)
DIMENSION SHOWN IS FOR A CYLINDRICAL LOCK PROVISION
AND IS 3/8" (10) LESS FOR A MORTISE LOCK PROVISION.

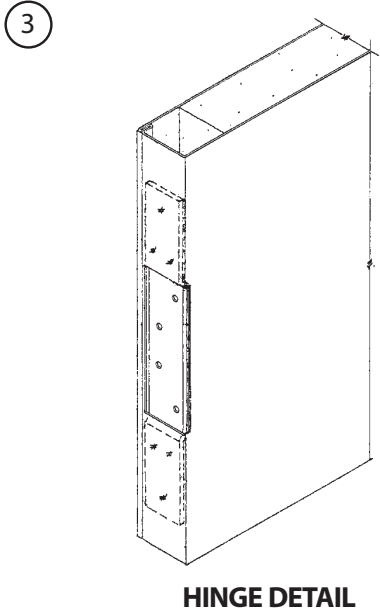
GALVANIZED DOORS: Many steel doors are used for exterior applications. Exterior doors receive unusually rough treatment and are subject to scratching, marring and therefore, rusting when the metal is not properly protected. Zinc coating on hot dipped galvanized steel will protect the exposed steel over a considerable area of bare surface when the paint covering is removed. Cold rolled steel and wipe coat galvanized steel will not. Hot dip galvanizing also protects the door from rust from the inside-out. All doors manufactured by Premier have hot dipped galvanized faces at no additional cost. Specifications for all steel doors should state "HOT DIPPED GALVANIZED STEEL FACES" and prime painting.

DOOR TYPES

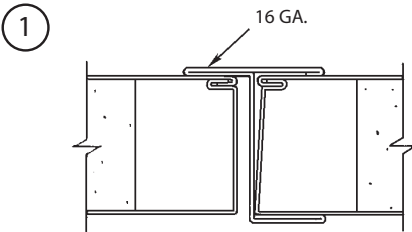


STANDARD DOOR SIZES			
DOOR SIZE	20 GAGE	18 GAGE	16 GAGE
2068 (610) (2032)	•	•	•
2468 (711) (2032)	•	•	•
2668 (762) (2032)	•	•	•
2868 (813) (2032)	•	•	•
3068 (914) (2032)	•	•	•
3468 (1016) (2032)	•	•	•
3668 (1067) (2032)	•	•	•
3868 (1118) (2032)	•	•	•
4068 (1219) (2032)	•	•	•
2070 (610) (2134)	•	•	•
2470 (711) (2134)	•	•	•
2670 (762) (2134)	•	•	•
2870 (813) (2134)	•	•	•
3070 (914) (2134)	•	•	•
3470 (1016) (2134)	•	•	•
3670 (1067) (2134)	•	•	•
3870 (1118) (2134)	•	•	•
4070 (1219) (2134)	•	•	•
2072 (610) (2184)	•	•	•
2472 (711) (2184)	•	•	•
2672 (762) (2184)	•	•	•
2872 (813) (2184)	•	•	•
3072 (914) (2184)	•	•	•
3472 (1016) (2184)	•	•	•
3672 (1067) (2184)	•	•	•
3872 (1118) (2184)	•	•	•
4072 (1219) (2184)	•	•	•
3080 (914) (2438)	•	•	•
4080 (1219) (2438)	•	•	•
4090 (1219) (2743)	•	•	•

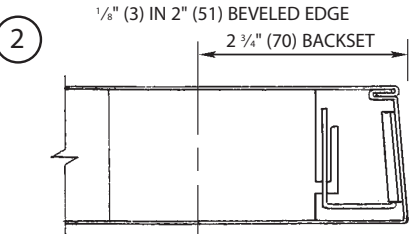
NOTE: Above door sizes are also available in pairs. Other door sizes and designs available upon request. All core constructions may not be available in all sizes listed.



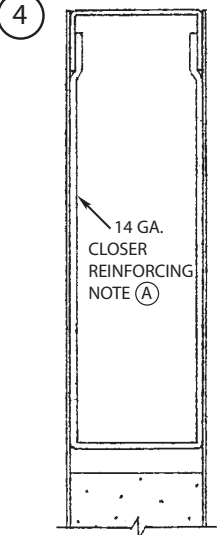
HINGE DETAIL



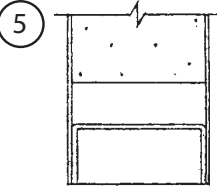
PAIRS WITH ASTRAGAL



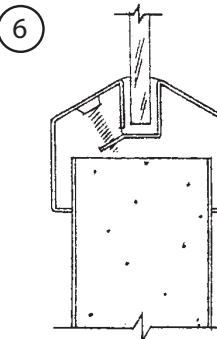
GOV'T 161
CYLINDRICAL LOCK PROVISION



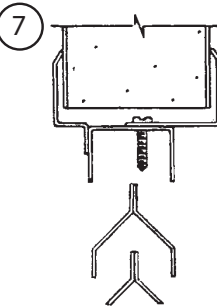
FLUSH TOP CHANNEL



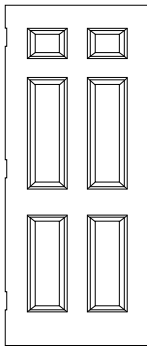
INVERTED BOTTOM
CHANNEL



STEEL LITE KIT



STEEL LOUVER

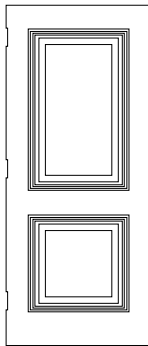


6P

TECHNICAL DATA

SE20-4,SE18-4-6P	(Polystyrene)
PE20-4,PE18-4-6P	(Polyurethane)
SE20-4,SE18-4-2P	(Polystyrene)
PE20-4,PE18-4-2P	(Polyurethane)

HANDED CONSTRUCTION
SPECIFICATIONS



2P

SECTION 08100 - METAL DOORS

1.0 GENERAL

- 1.1 **Scope:** This specification applies to standard steel doors as shown on the plans and door schedules and are to be beveled doors as manufactured by Premier Products, Inc., Monroe, Louisiana.
- 1.1 **Quality Assurance:** Provide doors in compliance with Federal Specification RR-D-575 C, ANSI A224.1, ANSI A151.1, ANSI A250.8, and ANSI/NAAMM HMMMA 867. Provide fire doors listed by Underwriters Laboratories or Warnock Hersey International. Provide level and model in ANSI A250.8 as listed herein.

2.0 PRODUCTS

- 2.1 **Construction:** Provide doors of 1 3/4" (44) thick full flush construction with tight hemmed vertical interlocking seams on both edges. Provide doors complying to ANSI A250.8 level 1, model number 1 or 2.
- 2.2 **Steel:** Provide doors with skins fabricated from 20/18 gage hot dipped galvanized steel, mill treated for proper paint adherence complying with ASTM A653.
- 2.3 **Top and Bottom Channels:** Provide top and bottom channels of 16 gage steel projection welded to door skins on 2" (51) centers. Top channel is to be flush, bottom channel inverted.
- 2.4 **Hinge Provision:** Provide doors with 7 gage steel hinge reinforcements projection welded to the door skins in eight places each. Standard hinge provision is to be for 4 1/2" (114) regular weight .134" (3) hinge, conforming to ANSI A156.7, three provisions conforming to ANSI A156.7, three provisions through 7' 2" (2184) height and four over 7' 2" (2184) to 8' 0" (2438) height. Hinge preparation shall accommodate both regular and heavy weight.
- 2.5 **Lock Provision:** Provide doors with 14 gage steel formed lock reinforcements with extruded tapped holes projection welded to the door skins in six places. Provide recommended internal reinforcements to support door skins during hardware installation per ANSI A115 standards. Standard lock provision is to be for cylindrical 2 3/4" (70) backset ANSI A115.2 Series 4000 (Gov't 161) or for mortise 2 3/4" (70) backset ANSI A115.1 Series 1000 (Gov't 86).

2.6 **Core Construction:** (Select core(s) of choice)

- 2.6.1 **Polystyrene:** Provide doors with pre-foamed polystyrene slab of 1.0# test density filling the inside of the door. Core is to be secured to face skins with adhesive. Polystyrene core doors shall meet the following performance standards: 'U' FACTOR = .153c - 'R' FACTOR = 6.54c - STC Rating = 25c. - **FIRE PROTECTION to 3 hours.** Premier Series 'SE'.
- 2.6.2 **Polyurethane:** Provide doors with a closed cell, waterproof foamed-in-place urethane core completely filling the inside of the door. Polyurethane core doors shall meet the following performance standards: 'U' FACTOR = .079c - 'R' FACTOR = 12.64c - STC RATING = 26c - **FIRE PROTECTION to 1 1/2 hours.** Premier series 'PE'.

2.7 **Closer and other Reinforcement:** Provide all 18 gage doors with a 14 gage box type closer reinforcement attached to the top channel. Provide identical closer reinforcement on all 20 gage doors scheduled to receive a surface applied door closer. Provide other door reinforcing as necessary to support the hardware scheduled in accordance with ANSI A250.6

2.8 **Painting:** Provide doors chemically treated for proper paint adherence and prime painted at the factory. Finish paint to be applied at the building site by the contractor.

2.9 **Packaging:** Provide doors packaged in banded cartons.

2.10 **Fire Protection:** Provide doors with fire ratings in accordance with the door schedule from Underwriters Laboratories or Warnock Hersey International.

3.0 EXECUTION

- 3.1 **Storage and Handling:** Store doors at the building site under cover. Place units on at least 4" (102) wood sills or on the floor in a manner that will prevent rust and damage. Avoid the use of non-vented plastic or canvas shelters which create a humidity chamber. If the wrapper on the door becomes wet, remove the carton immediately. Provide a 1/4" (6) space between the doors to promote air circulation.
- 3.2 **Installation:** Contractor to provide installation of the doors plumb, square and in true alignment. Adjust doors to required clearances, complying with NFPA 80, section 2-5.4 for fire doors.

Door and Frame Handing Chart

How to determine hand of door and frame
Hand all doors by standing outside on key side — facing door

SINGLE DOORS:

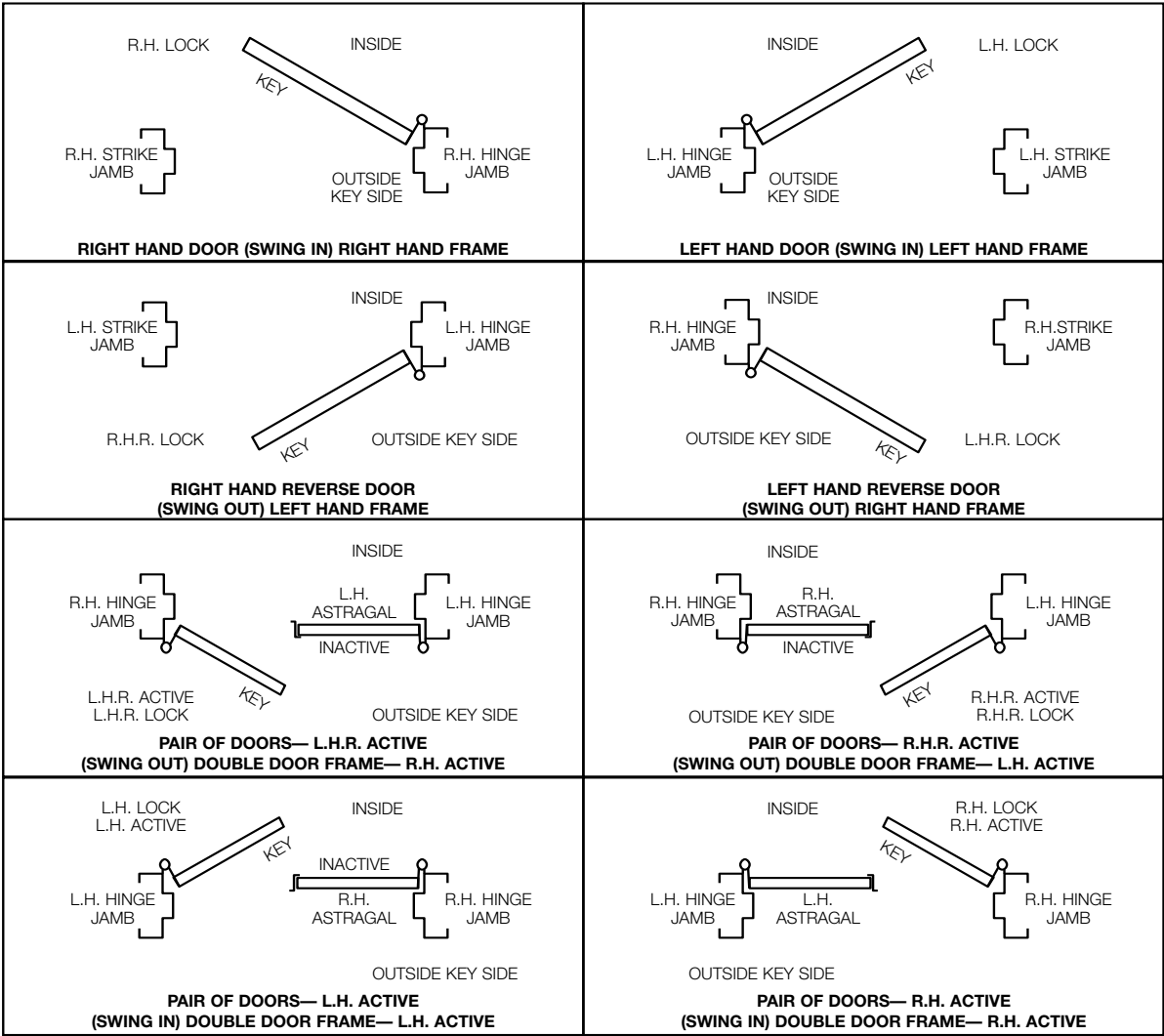
When door swings to outside and hinges are on right side of door:
Door is R.H.R.—
Frame is L.H.

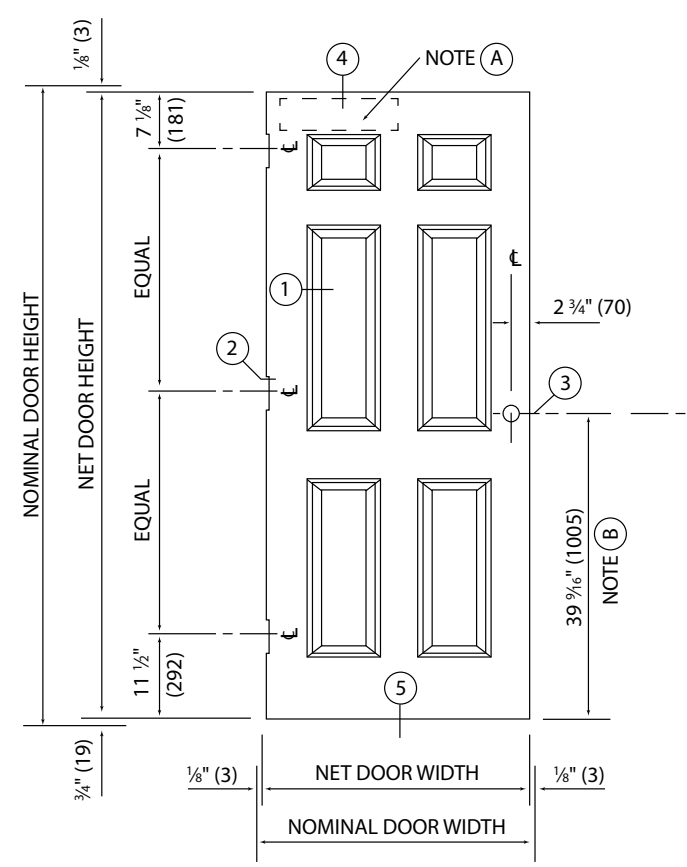
When door swings to inside and hinges are on right side of door:
Door is R.H.—
Frame is R.H.

DOUBLE DOORS:

When door leaves swing to outside 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 or active leaf:
Door is R.H. Active —
Frame is R.H. Active



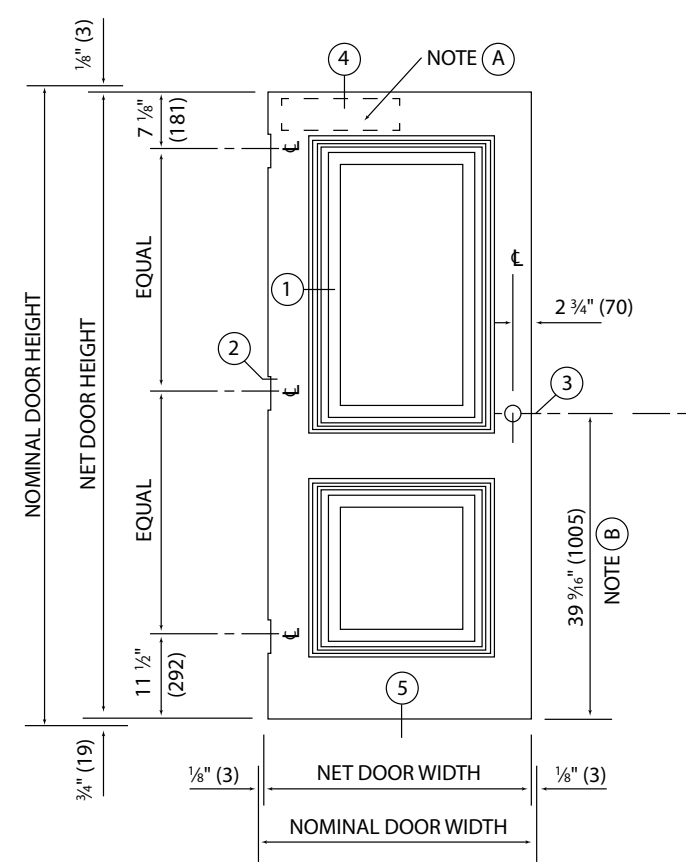
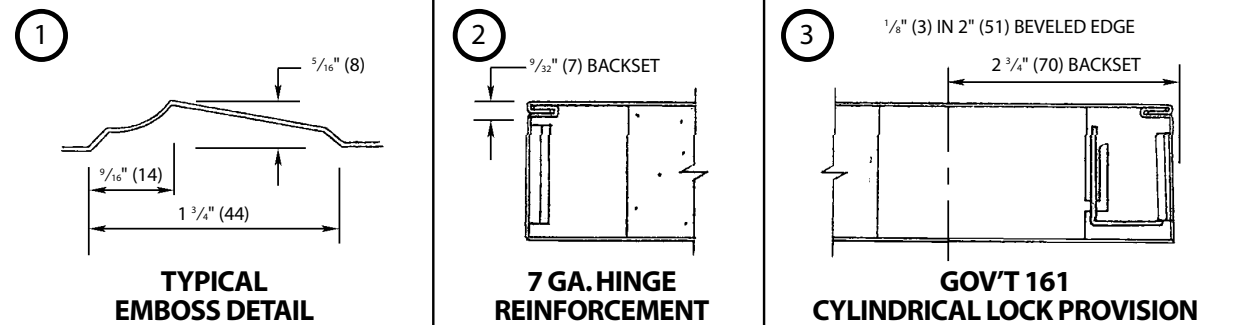


NOTE (A)
CLOSER REINFORCEMENT IS STANDARD ON 18 GAGE DOORS

NOTE (B)
DIMENSION SHOWN IS FOR A CYLINDRICAL LOCK PROVISION AND IS 3/8" (10) LESS FOR A MORTISE LOCK PROVISION.

STANDARD DOOR SIZES	
DOOR SIZE	20 / 18 GAGE
2868 (813) (2032)	•
3068 (914) (2032)	•
2870 (813) (2134)	•
3070 (914) (2134)	•

GALVANIZED DOORS: Many steel doors are used for exterior applications. Exterior doors receive unusually rough treatment and are subject to scratching, marring and therefore, rusting when the metal is not properly protected. Zinc coating on hot dipped galvanized steel will protect the exposed steel over a considerable area of bare surface when the paint covering is removed. Cold rolled steel and wipe coat galvanized steel will not. Hot dip galvanizing also protects the door from rust from the inside-out. All doors manufactured by Premier have hot dipped galvanized faces at no additional cost. Specifications for all steel doors should state "HOT DIPPED GALVANIZED STEEL FACES" and prime painting.

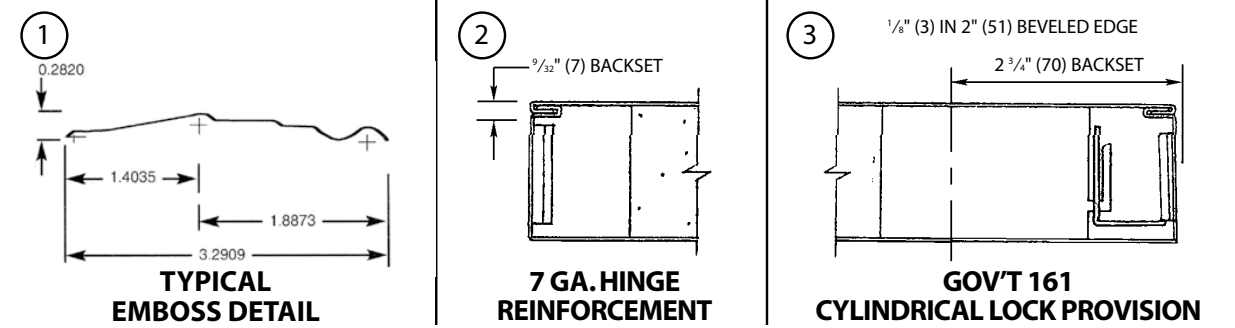


NOTE (A)
CLOSER REINFORCEMENT IS STANDARD ON 18 GAGE DOORS

NOTE (B)
DIMENSION SHOWN IS FOR A CYLINDRICAL LOCK PROVISION AND IS 3/8" (10) LESS FOR A MORTISE LOCK PROVISION.

STANDARD DOOR SIZES		
DOOR SIZE	20 GAGE	18 GAGE
2868 (813) (2032)	•	•
3068 (914) (2032)	•	•
2870 (813) (2134)	•	•
3070 (914) (2134)	•	•
2880 (813) (2438)	•	•
3080 (914) (2438)	•	•

GALVANIZED DOORS: Many steel doors are used for exterior applications. Exterior doors receive unusually rough treatment and are subject to scratching, marring and therefore, rusting when the metal is not properly protected. Zinc coating on hot dipped galvanized steel will protect the exposed steel over a considerable area of bare surface when the paint covering is removed. Cold rolled steel and wipe coat galvanized steel will not. Hot dip galvanizing also protects the door from rust from the inside-out. All doors manufactured by Premier have hot dipped galvanized faces at no additional cost. Specifications for all steel doors should state "HOT DIPPED GALVANIZED STEEL FACES" and prime painting.





TECHNICAL DATA
FIRE DOORS



FIRE DOOR OPENINGS

Door Rating	Wall Rating	Opening Description
3 Hour	4 Hour	Openings in walls that separate buildings or divide a single building into fire areas.
1 ½ Hour	2 Hour	Openings in enclosures of vertical communication or egress through buildings, such as, openings in stairwells and elevator shafts.
1 Hour	1 Hour	Openings that divide occupancies in a building.
¾ Hour	1 Hour	Openings in corridors or room partitions.
1 ½ Hour	2 Hour	Openings in exterior walls subject to severe fire exposure from outside of the building.
¾ Hour	1 Hour	Openings in exterior walls subject to moderate or light fire exposure from outside of the building.
⅓ Hour	1 Hour	Openings in corridors where smoke and draft control are required.

DOOR GLAZING LIMITATIONS

Door Rating	Maximum Exposed Area (sq. in.)	Maximum Width	Maximum Height	Number of Lights	Notes
3 Hour	100 (64,516)	12" (305)	33" (838)	1	① ②
1 ½ Hour	100 (64,516)	12" (305)	33" (838)	1	
1 ½ Hour	552 (356,409)	12" (305)	46" (1168)	4	②
¾ and ⅓ Hour	1296 (836,127)	36" (914)	54" (1372)	No Limit	
¾ and ⅓ Hour	2856 (1,842,556)	34" (864)	84" (2134)	4	②
20 min. w/o Hose Stream	1296 (836,127)	36" (914)	54" (1372)	No Limit	
20 min. w/o Hose Stream	2971 (1,916,805)	35 ¾" (908)	83 ⅛" (2111)	No Limit	

- ① When acceptable to the local authority having jurisdiction.
② Requires the use of specific glass and glazing compound.

SUGGESTED PROCEDURE FOR THE SELECTION
OF SWINGING FIRE DOORS AND FRAMES

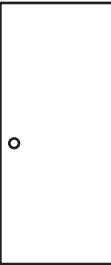
- A. Determine the appropriate building code.
- B. Check and fulfill the fire insurance company's requirements for the specific building.
- C. Basic Fire Door Requirements — Use this check list:
1. A fire door must have a label attached.
 2. A fire door frame must have either an attached or an embossed label.
 3. A fire door must be self-latching.
 4. A fire door must be self-closing.
 5. If a fire door is held open, it must be equipped with a listed heat responsive device, fusible link or a smoke detection device.
 6. A fire door must be free of any obstructions which could prevent the door from operating properly, i.e., wedge door stops, chains, hookbacks, etc.
 7. Only listed fire door hardware shall be used.
 8. A fire door must have steel bearing-type hinges. (Exception: Non-bearing plain steel hinges may be used if they are part of a listed assembly).
 9. Doors swinging in pairs that require astragals shall have at least one overlapping astragal. Pairs of doors within a means of egress shall not be equipped with an astragal that inhibits the free use of either leaf. A coordinator or open-back strike should be used to ensure proper closing.
 10. Fire doors with glass lights:
 - a. The glass frame and glazing bead must be metal.
 - b. The glass must be labeled as permitted by the labeling agency.
 11. Fire doors with fusible link louvers:
 - a. Only listed louvers can be used.
 - b. Louvers can be furnished in 1 ¾" (44) thick doors with a 1 ½-hour or a ¾-hour (no louver and glass light combinations are permitted).
 - c. Maximum louver size is 24" x 24" (610 x 610).
 - d. Louvers are not permitted to be installed in doors with fire exit hardware or in stairwells.
- D. For maximum fire protection, Standard Number 80 of the National Fire Protection Association should be used for an installation guide.
- E. Purchase doors from a recognized, responsible manufacturer whose fire doors and frames are produced to conform to Fire Door Procedures and are subject to periodic inspections.

FIRE DOOR FRAMES

PREMIER offers a complete line of 1 3/4" thick labeled fire door to meet most fire protection requirements. The construction conforms to fire door procedure whether the doors are furnished with labels or not. Since fire rating requirements vary throughout the country, local authorities having jurisdiction regarding the use of label openings should be consulted during the design and planning stage.

UNDERWRITERS LABORATORIES (UL)
Doors approved by Underwriters Laboratories, Inc. have been investigated, fire tested and have met the conditions of acceptance for tests UL 10B (neutral pressure) and **UL10C, UBC7-2 (1997) part 1 (positive pressure)**. Doors are produced under the Underwriters Laboratories' factory inspection and labeling program.

WARNOCK HERSEY INTERNATIONAL (WHI)
Doors having the Warnock Hersey International, Inc. label have been tested for the fire endurance and hose stream test in accordance with ASTM E-152. The test results complied with the conditions of acceptance for this standard and are produced under Warnock Hersey's factory inspection and labeling program.

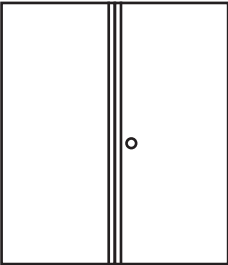


SINGLE DOORS

DOOR SERIES	UL		WHI	
	Maximum Door Size	Maximum Rating	Maximum Door Size	Maximum Rating
H20-4	4072	1 1/2 Hour	4090	1 1/2 Hour
P20-4			3070	1 1/2 Hour
S20-4	4072	1 1/2 Hour	4072	1 1/2 Hour
H18-4	4090	3 Hour	4090	1 1/2 Hour
P18-4			4080	3 Hour
PS18-4			3070	1 1/2 Hour
S18-4	4090	3 Hour	3070	1 1/2 Hour
H16-4	4090	3 Hour	4090	3 Hour
P16-4			4090	1 1/2 Hour
PS16-4			4080	3 Hour
S16-4	4090	3 Hour		
M18-4	4072	3 Hour		
	4080	1 1/2 Hour		
M16-4	4072	3 Hour		
	480	1 1/2 Hour		

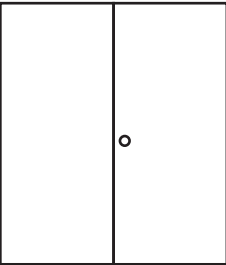
NOTES:

- Door sizes shown in the schedule are the maximum sizes available from PREMIER.
 - The maximum hourly rating for doors have been shown in the schedule while doors with lower hourly ratings are also available.
 - The maximum rating for labeled fire doors is 3 hours. The other ratings available include 1 1/2, 1/4, or 1/3 hour or 20 minutes.
 - Labeled openings include door, frame and hardware. The effectiveness of the entire opening as a fire barrier may be destroyed if any component is omitted.
 - Doors manufactured under the various label procedures are similar, except as noted. When in doubt, consult PREMIER for availability.
- S - Polystyrene. A pre-foamed polystyrene slab of 1.0# test density filling the inside of the door.
- H - Honeycomb. The honeycomb core shall be 99# test, impregnated with water resistant resin
- P - Polyurethane foamed in place. The core shall be closed cell and waterproof
- PS - Polyurethane foamed in place with vertical Z stiffeners
- M - Mineral. The composite core is for temperature rise rated doors



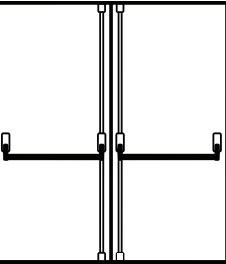
PAIRS OF DOORS WITH ATTACHED ASTRAGAL

DOOR SERIES	UL		WHI	
	Maximum Door Size	Maximum Rating	Maximum Door Size	Maximum Rating
H20-4	8072	1 1/2 Hour	6090	1 1/2 Hour
P20-4			8080	1 1/2 Hour
S20-4			6070	1 1/2 Hour
H18-4	8072	1 1/2 Hour	8072	1 1/2 Hour
H18-4	8080	3 Hour	6090	1 1/2 Hour
P18-4			8080	1 1/2 Hour
PS18-4			6070	1 1/2 Hour
S18-4	8080	1 1/2 Hour	8080	1 1/2 Hour
H16-4	8080	3 Hour	6090	1 1/2 Hour
P16-4			8080	1 1/2 Hour
PS16-4				
S16-4	8080	1 1/2 Hour	8080	1 1/2 Hour
M18-4	8072	3 Hour		
M16-4	8072	3 Hour		



PAIRS OF DOORS WITHOUT ATTACHED ASTRAGAL

DOOR SERIES	UL		WHI	
	Maximum Door Size	Maximum Rating	Maximum Door Size	Maximum Rating
H20-4	8080	1 1/2 Hour	6090	1 1/2 Hour
P20-4			6070	1 1/2 Hour
S20-4	8080	1 1/2 Hour	8072	1 1/2 Hour
H18-4	8080	1 1/2 Hour	6090	1 1/2 Hour
P18-4			6070	1 1/2 Hour
PS18-4			6070	1 1/2 Hour
S18-4	8080	1 1/2 Hour	8080	1 1/2 Hour
H16-4	8080	1 1/2 Hour	6090	1 1/2 Hour
P16-4				
PS16-4				
S16-4	8080	1 1/2 Hour	8080	1 1/2 Hour
M18-4				
M16-4				

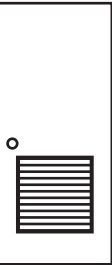


PAIRS OF DOORS WITHOUT ASTRAGAL

Doors must be provided with UL approved vertical rod fire exit hardware on each leaf. (less bottom rod also permitted)

Pairs of doors using UL approved mortise by rod fire exit hardware must have an attached astragal. (consult Premier)

DOOR SERIES	UL		WHI	
	Maximum Door Size	Maximum Rating	Maximum Door Size	Maximum Rating
H20-4	8080	1 1/2 Hour	6090	1 1/2 Hour
P20-4			6070	1 1/2 Hour
S20-4	8080	1 1/2 Hour	8072	1 1/2 Hour
H18-4	8080	1 1/2 Hour	6090	1 1/2 Hour
P18-4			6070	1 1/2 Hour
PS18-4			6070	1 1/2 Hour
S18-4	8080	1 1/2 Hour	8080	1 1/2 Hour
H16-4	8080	1 1/2 Hour	6090	1 1/2 Hour
P16-4				
PS16-4				
S16-4	8080	1 1/2 Hour	8080	1 1/2 Hour
M18-4				
M16-4				

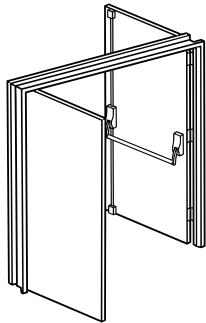


DOORS WITH FUSIBLE LINK LOUVERS

Doors with louvers shall not be provided with glass lights, vision panels, or fire exit hardware. Maximum louver size is 24" x24" (711 x 711) per door leave

Pairs of doors may also be furnished with one louver in each leaf. The maximum door size of each leaf is the same as the single door size indicated in the schedule

DOOR SERIES	UL		WHI	
	Maximum Door Size	Maximum Rating	Maximum Door Size	Maximum Rating
H20-4	4072	1 1/2 Hour	4090	1 1/2 Hour
P20-4			3070	1 1/2 Hour
S20-4	4072	1 1/2 Hour	3672	1 1/2 Hour
H18-4	4090	1 1/2 Hour	4090	1 1/2 Hour
P18-4			3070	1 1/2 Hour
PS18-4			3070	1 1/2 Hour
S18-4	4090	1 1/2 Hour	3672	1 1/2 Hour
H16-4	4090	1 1/2 Hour	4090	1 1/2 Hour
P16-4				
PS16-4				
S16-4	4090	1 1/2 Hour	3672	1 1/2 Hour
M18-4				
M16-4				



DOUBLE EGRESS DOORS

For use with classified double egress PREMIER frames. Doors must be provided with UL approved vertical rod and fire exit hardware on each leaf. (Less bottom rod also permitted). May be provided with or without astragal.

DOOR SERIES	UL		WHI	
	Maximum Door Size	Maximum Rating	Maximum Door Size	Maximum Rating
H20-4	8080	1 1/2 Hour	8072	1 1/2 Hour
P20-4				1 1/2 Hour
S20-4	8080	1 1/2 Hour		1 1/2 Hour
H18-4	8080	1 1/2 Hour	8072	1 1/2 Hour
P18-4				1 1/2 Hour
PS18-4				1 1/2 Hour
S18-4	8080	1 1/2 Hour		1 1/2 Hour
H16-4	8080	1 1/2 Hour	8072	1 1/2 Hour
P16-4				
PS16-4				
S16-4	8080	1 1/2 Hour		1 1/2 Hour
M18-4				
M16-4				

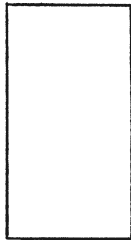


TECHNICAL DATA

Series SWR-S20-4 Doors
Series SWR-S18-4 Doors
Series SWR-S16-4 Doors

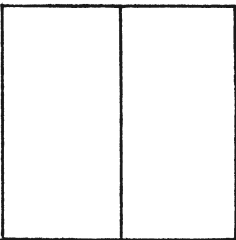
DESIGN PRESSURE CONVERSION	
DESIGN PRESSURE	WIND VELOCITY
50 PSF	142 MPH
55 PSF	148 MPH
65 PSF	161 MPH

SINGLE DOOR



F

PAIR OF DOORS



F

SWING		MAXIMUM SIZE	GAGE			HARDWARE					DESIGN PRESSURE
SINGLE	PAIRS		20	18	16	CYLINDRICAL LOCK	MORTISE LOCK	RIM EXIT DEVICE	CYLINDRICAL DEADLOCK	SURFACE BOLTS	
●		3070	●	●	●	●	●				55 PSF
●		3070		●	●			●			55 PSF
●		3070		●	●	●	●			● [Ⓑ]	65 PSF
●		4070		●	●	●	●				50 PSF
●		4070		●	●			●	● [Ⓐ]		50 PSF
●		4080		●	●	●	●	●	● [Ⓐ]		50 PSF
	●	6070		●	●	●	●			● [Ⓑ]	65 PSF

Ⓐ A CYLINDRICAL DEADLOCK IS REQUIRED FOR DOORS WITH RIM EXIT HARDWARE THAT EXCEED 3070 IN WIDTH OR HEIGHT, AND IS OPTIONAL FOR USE IN CONJUNCTION WITH OTHER HARDWARE ON ANY DOOR.

Ⓑ SURFACE BOLTS ARE REQUIRED IN ADDITION TO OTHER HARDWARE LISTED FOR SINGLE DOORS AND BOTH LEAVES OF PAIRS OF DOORS.

ALL LATCHING HARDWARE FOR WINDSTORM RESISTANT DOORS SHALL BE UL CLASSIFIED AS LATCHING HARDWARE TESTED IN ACCORDANCE WITH ANSI A250.13.

Doors were tested at an independent testing laboratory and are classified and comply with Underwriters Laboratories, Inc. follow-up procedure. Test specimens were evaluated in accordance with test procedures; ANSI A250. 13-03, ASTM E330-02, ASTM E1886-02, ASTM E1996-02, and Florida Building Code TAS 201, 202, and 203.



TECHNICAL DATA

Series SWR-S20-4 Doors
Series SWR-S18-4 Doors
For Metal Buildings

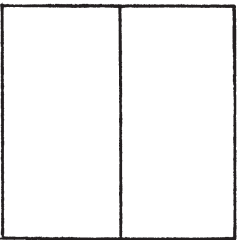
DESIGN PRESSURE CONVERSION	
DESIGN PRESSURE	WIND VELOCITY
25 PSF	100 MPH
50 PSF	142 MPH

SINGLE DOOR



F

PAIR OF DOORS



F

SWING		MAXIMUM SIZE	GAGE			HARDWARE					DESIGN PRESSURE	
SINGLE	PAIRS		20	18	16	CYLINDRICAL LOCK	MORTISE LOCK	RIM EXIT DEVICE	CYLINDRICAL DEADLOCK	SURFACE BOLTS	WITHOUT INTERMEDIATE GIRT	WITH INTERMEDIATE GIRT
●		4070	●	●	●	●	●	●	● [Ⓐ]		25 PSF	50 PSF
●		4080		●	●	●	●	●	● [Ⓐ]			
	●	6070	●	●	●	●	●			● [Ⓑ]		

Ⓐ A CYLINDRICAL DEADLOCK IS REQUIRED FOR DOORS WITH RIM EXIT HARDWARE THAT EXCEED 3070 IN WIDTH OR HEIGHT, AND IS OPTIONAL FOR USE IN CONJUNCTION WITH OTHER HARDWARE ON ANY DOOR.

Ⓑ SURFACE BOLTS ARE REQUIRED ON BOTH LEAVES.

ALL LATCHING HARDWARE FOR WIND RESISTANT DOORS SHALL BE UL CLASSIFIED AS LATCHING HARDWARE TESTED IN ACCORDANCE WITH ANSI A250.13.

Doors were tested at an independent testing laboratory and are classified and comply with Underwriters Laboratories, Inc. follow-up procedure. Test specimens were evaluated in accordance with test procedures; ANSI A250. 13-03, ASTM E330-02, ASTM E1886-02, ASTM E1996-02, and Florida Building Code TAS 201, 202, and 203.



TECHNICAL DATA

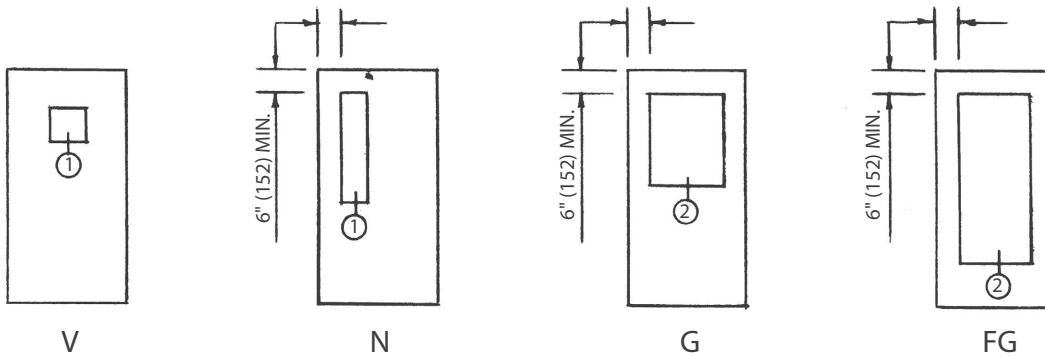
Series SWR-S20-4 Doors

Series SWR-S18-4 Doors

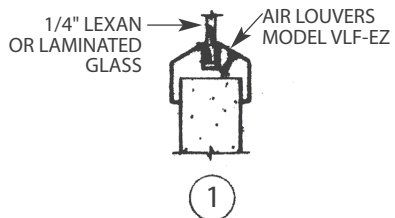
Series SWR-S16-4 Doors

DESIGN PRESSURE CONVERSION

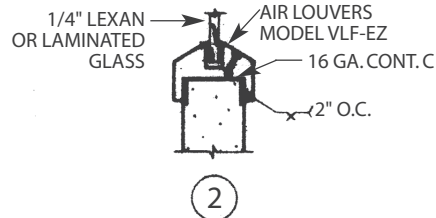
DESIGN PRESSURE	WIND VELOCITY
37.5 PSF	123 MPH
50 PSF	142 MPH
55 PSF	148 MPH



MAXIMUM SIZE	GAGE			GLASS LITE				DESIGN PRESSURE
	20	18	16	V	N	G	FG	
4080		●	●	●	●			37.5 PSF
3070	●	●	●			●	●	55 PSF
4080		●	●			●	●	50 PSF



EXPOSED AREA IS NOT TO EXCEED
336 SQ. IN. WITH A MAX. WIDTH OF
10" & A MAX. HEIGHT OF 42".



EXPOSED AREA IS NOT TO EXCEED
1320 SQ. IN. WITH A MAX. WIDTH OF
22" & A MAX. HEIGHT OF 60".

Door frames were tested at an independent testing laboratory and are classified and comply with Underwriters Laboratories, Inc. follow-up procedure. Test specimens were evaluated in accordance with test procedures; ANSI A250. 13-03, ASTM E330-02, ASTM E1886-02, ASTM E1996-02, and Florida Building Code TAS 201, 202, and 203.

TECHNICAL DATA

1 3/8" (35) Commercial Door Frames
Series F16-8

SPECIFICATIONS

SECTION 08100 - METAL FRAMES

1.0 GENERAL

- 1.1 **Scope:** This specification applies to standard steel frames as shown on the plans and frame schedules and are to be frames as manufactured by Premier Products, Inc., Monroe, Louisiana.
- 1.2 **Quality Assurance:** Provide frames in compliance with ANSI A250.8 and ANSI/NAAMM HMMA 867 requirements.

2.0 PRODUCTS

- 2.1 **Steel:** Provide frames fabricated from commercial quality steel complying with ASTM A1008 (uncoated), ASTM A568 or ASTM A653 (hot dipped galvanized).
- 2.1.1 **Commercial Frame Construction:** Provide commercial frames for 1 3/8" (35) doors fabricated from 16 gage commercial quality steel. All bends shall be formed with a true, sharp radii. Frame design shall have single return and double rabbet. Provide welded-in base anchor for attachment to floor.
- 2.2 **Commercial Frame Assembly:** Provide all interior frames knocked-down with steel corner tabs for field assembly. Provide all exterior frames assembled face welded and ground smooth (options-all KD; all face welded; specify other welding). All welded frames shall be provided with a removable shipping strut welded across the jambs at the base.

- 2.3 **Hinge Provision:** Provide frames with 11 gage steel hinge reinforcement projection welded to the frame. Frames 6' 8" (2032) high shall have two hinge provisions. Frames 7' 0" (2134) high and 7' 2" (2184) high shall have three hinge provisions. Standard hinge provision shall be for template 3 1/2" x 3 1/2" (89 x 89), .123" (3) thick hinges, provide for others as required by hardware schedule and templates.
- 2.4 **Strike Provision:** Provide frames with 14 gage steel (or equivalent threads in extruded steel) lock strike reinforcement projection welded to the frame. Standard provision shall be for ANSI A115.2 universal strike. Provide for others as required by hardware schedule and templates.
- 2.5 **Other Reinforcements:** Provide hardware provisions in accordance with requirements of the finish hardware schedule and templates. Reinforcing shall be in accordance with ANSI A250.8.
- 2.6 **Painting:** All frames shall be phosphatized, prime painted by dip process to insure heavy, complete coverage and oven baked. Frames shall be suitable for field finish painting.

3.0 EXECUTION

- 3.1 **Installation:** Contractor to provide installation of the frames plumb, square and in true alignment. Use wood installation spreader at base, strike and mid-top locations to insure constant and proper jamb opening for door.

RECOMMENDED ERECTION INSTRUCTIONS FOR STEEL FRAMES

IMPORTANT NOTES:

1. Storage of frames at the job site: Frames shall be stored under cover on the building site on wood sills or on floors in a manner that will prevent rust and damage. Avoid creating a humidity chamber by

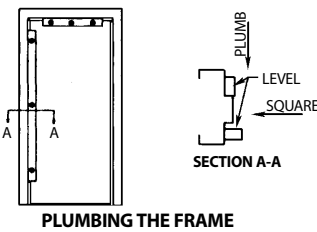
using plastic or canvas shelter and not venting the area covered.

2. Grouting and back painting of frames: When temperature conditions necessitate the use of anti-freezing agents in plaster or mortar, or the frames are

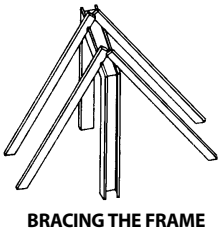
to be fully grouted, the inside of the frames must be coated with a bituminous water resistant paint by the contractor responsible for installation.

3. Assembly of frame: Follow manufacturers recommended procedure.

BRACING FRAMES BEFORE WALL CONSTRUCTION:



The contractor should provide himself with a carpenter level, square and spreader. Set the frame in desired location and level the header. Shim under jambs if necessary. With frame on line, set spreader and fasten jambs to floor through floor anchors.



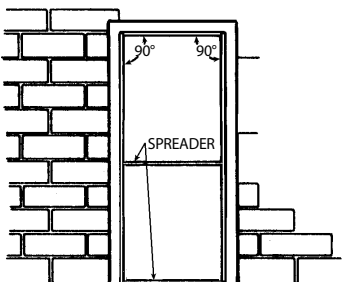
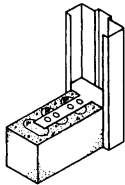
Brace the frame as shown or shore to the ceiling. DO NOT BRACE IN THE DIRECTION OF INTENDED WALL. Plumb and square jambs.

MASONRY WALL CONSTRUCTION:



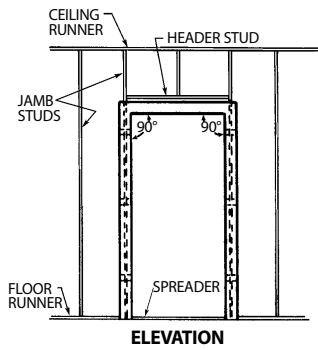
Typical wood spreader must be square and fabricated from lumber no less than 1" (25) thick. Correct length is the door opening width between the jambs at the header. Cut clearance notches for frame stops. Spreader must be nearly as wide as frame depth for proper installation.
ie: Single door 3' 0" (???) = 36" (???)

1. Set and plumb frame.
2. Install three anchors per jamb at hinge and strike levels as wall is laid up. Grout frame in the areas of the anchors.
3. A second spreader is recommended at the mid point of the door opening to maintain the door opening dimension.
4. Continually check plumb and square as wall progresses.

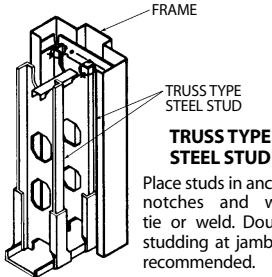


ELEVATION

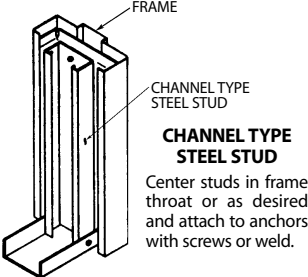
STEEL STUD WALL CONSTRUCTION:



1. Install minimum three anchors per jamb at hinge and strike levels. Position anchors in frame through the throat and tap in with a hammer.
2. Square, brace and plumb frame as shown.
3. Set spreader. Attach jambs to floor through floor anchor or floor extension. Install jamb studs to floor and ceiling runners and tightly against frame anchors.
4. Attach studs to frame anchors as shown.



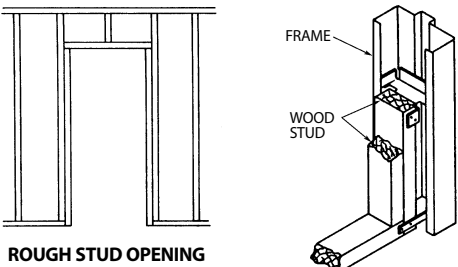
TRUSS TYPE STEEL STUD
Place studs in anchor notches and wire tie or weld. Double studding at jambs is recommended.



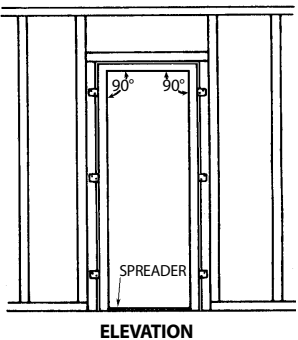
CHANNEL TYPE STEEL STUD
Center studs in frame throat or as desired and attach to anchors with screws or weld.

Note: When attaching header stud to jamb studs, be sure the stud is above frame header. This will assure ample room for attaching plaster lath or drywall and will not interfere with installation of hardware attached to frame header.

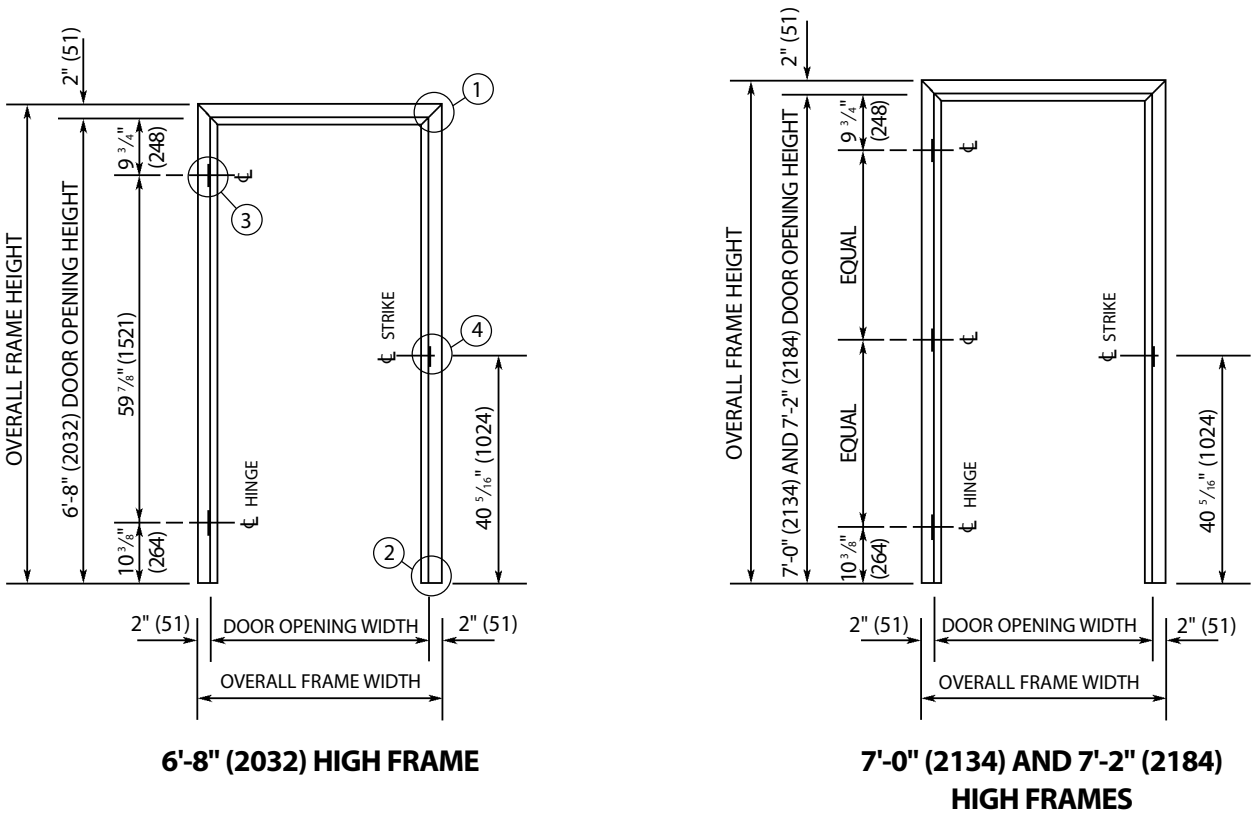
WOOD STUD WALL CONSTRUCTION:



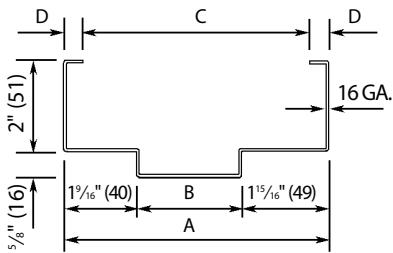
Consult manufacturers' instructions for rough stud opening width and height dimensions.



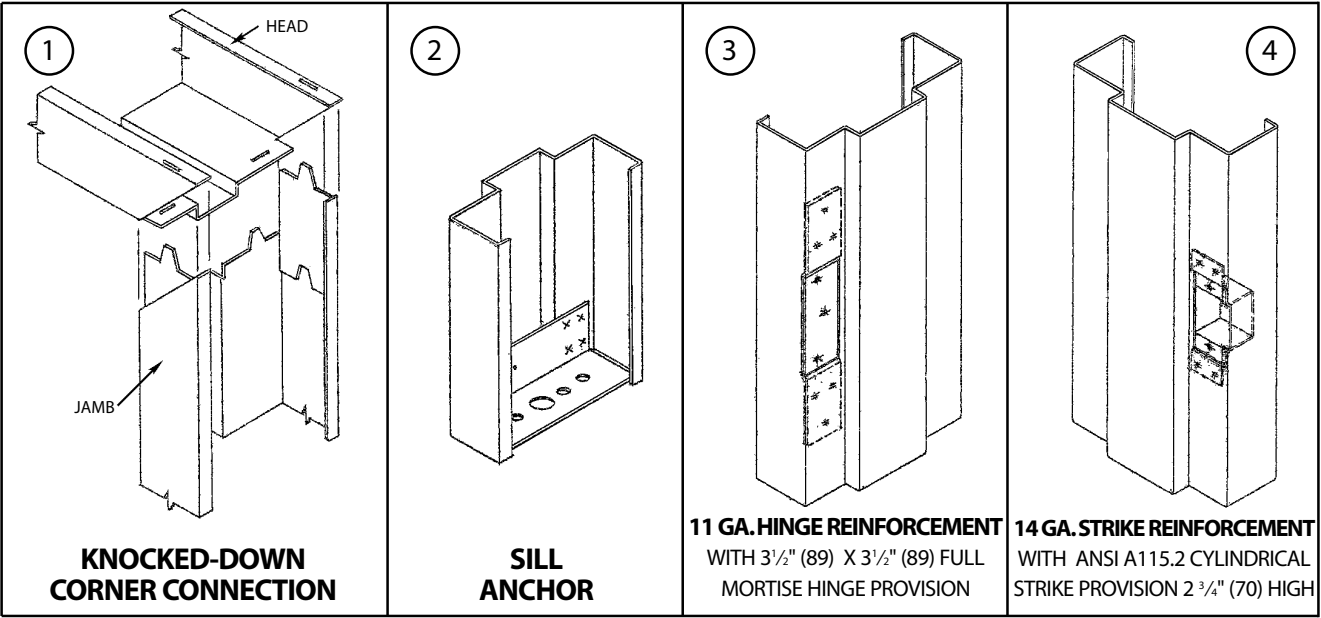
1. Insert anchors at hinge and strike levels. Position anchors in frame throat and tap in with a hammer. Base anchors may also be used.
2. Place frame in rough stud opening.
3. Bend anchor tabs around stud leaving desired clearance between frame return and stud for inserting finished wall material.
4. Set spreader and level frame. Shim jambs if necessary.
5. Square and nail top anchors to studs on ONE JAMB ONLY. Check plumb and square and continue to nail balance of anchors to studs. Repeat for opposite jamb.



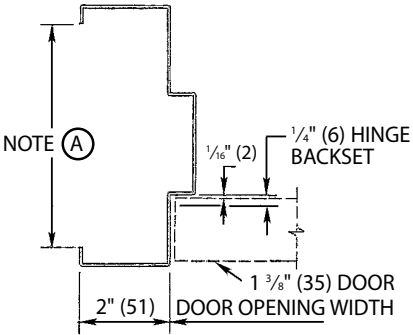
DOOR OPENING WIDTHS	
SINGLE SWING	DOUBLE SWING
20 (610)	40 (1219)
24 (711)	48 (1422)
26 (762)	50 (1524)
28 (813)	54 (1626)
30 (914)	60 (1829)



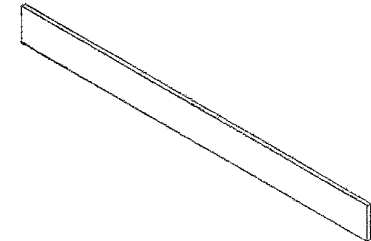
FRAME DEPTHS			
A	B	C	D
4 3/4" (121)	1 1/4" (32)	3 3/4" (95)	1/2" (13)
5 3/4" (146)	2 1/4" (57)	4 7/8" (124)	7/16" (11)
6 3/4" (171)	3 1/4" (83)	5 3/4" (146)	1/2" (13)
7 3/4" (197)	4 1/4" (108)	6 3/4" (171)	1/2" (13)
8 3/4" (222)	5 1/4" (133)	7 3/4" (197)	1/2" (13)



NOTE (A)
Frame throat opening is nominally 1" (25) less than frame depth except 5 3/4" (146) depth frame has a 4 7/8" (124) throat opening.

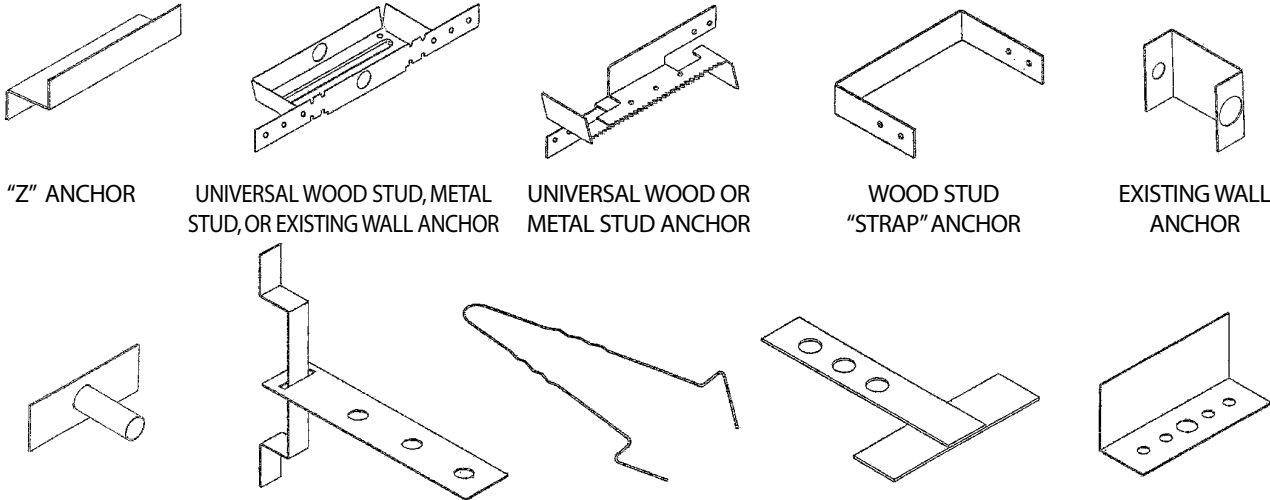


SECTION AT HINGE JAMB



OPTIONAL 14 GAGE CLOSER REINFORCEMENT
1 1/8" (29) X 14" (356)

FRAME ANCHORS



TECHNICAL DATA

1 3/4" (44) Commercial Door Frames
Series F16-4
Series F14-4

SPECIFICATIONS

SECTION 08100 - METAL FRAMES

1.0 GENERAL

- 1.1 **Scope:** This specification applies to standard steel frames as shown on the plans and frame schedules and are to be frames as manufactured by Premier Products, Inc., Monroe, Louisiana.
- 1.2 **Quality Assurance:** Provide frames in compliance with ANSI A250.8 and ANSI/NAAMM HMMA 867 requirements. Provide fire frames listed by Underwriters Laboratories or Warnock Hersey International.

2.0 PRODUCTS

- 2.1 **Steel:** Provide frames fabricated from commercial quality steel complying with ASTM A1008 (uncoated), ASTM A568 or ASTM A653 (hot dipped galvanized).
- 2.1.1 **Commercial Frame Construction:** Provide commercial frames for 1 3/4" (44) doors fabricated from 16 [or 14] gage commercial quality steel. All bends shall be formed with a true, sharp radii. Frame design shall have single return and double rabbet. Provide welded-in base anchor for attachment to floor.
- 2.2 **Commercial Frame Assembly:** Provide all interior frames knocked-down with steel corner tabs for field assembly. Provide all exterior frames assembled face welded and ground smooth (options-all KD; all face welded; specify other welding). All welded frames shall be provided with a removable shipping strut welded across the jambs at the base.
- 2.3 **Hinge Provision:** Provide frames with 9 gage steel hinge reinforcement projection welded to the frame. Frames

- through 7' 2" (2184) high shall have minimum of three hinge provisions, over 7' 2" (2184) high through 9' 0" (2743) high shall have four. Standard hinge provision shall be for template 4 1/2" x 4 1/2" (114 x 114) regular weight .134" (3) hinges, provide for others as required by hardware schedule and templates.
- 2.4 **Strike Provision:** Provide frames with 14 gage steel (or equivalent threads in extruded steel) lock strike reinforcement projection welded to the frame. Standard provision shall be for ANSI A115.1 or A115.2 universal strike. Provide for others as required by hardware schedule and templates.
- 2.5 **Other Reinforcements:** Provide hardware provisions in accordance with requirements of the finish hardware schedule and templates. Reinforcing shall be in accordance with ANSI A250.8.
- 2.6 **Painting:** All frames shall be phosphatized, prime painted by dip process to insure heavy, complete coverage and oven baked. Frames shall be suitable for field finish painting.
- 2.7 **Fire Protection:** Provide frames with fire ratings from Underwriters Laboratory or Warnock Hersey International in accordance with the frame schedule.

3.0 EXECUTION

- 3.1 **Installation:** Contractor to provide installation of the frames plumb, square and in true alignment. Use wood installation spreader at base, strike and mid-top locations to insure constant and proper jamb opening for door.

RECOMMENDED ERECTION INSTRUCTIONS FOR STEEL FRAMES

IMPORTANT NOTES:

1. Storage of frames at the job site: Frames shall be stored under cover on the building site on wood sills or on floors in a manner that will prevent rust and damage. Avoid creating a humidity chamber by

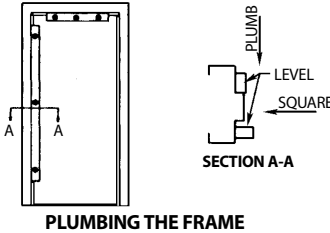
using plastic or canvas shelter and not venting the area covered.

2. Grouting and back painting of frames: When temperature conditions necessitate the use of anti-freezing agents in plaster or mortar, or the frames are

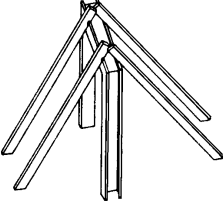
to be fully grouted, the inside of the frames must be coated with a bituminous water resistant paint by the contractor responsible for installation.

3. Assembly of frame: Follow manufacturers recommended procedure.

BRACING FRAMES BEFORE WALL CONSTRUCTION:



The contractor should provide himself with a carpenter level, square and spreader. Set the frame in desired location and level the header. Shim under jambs if necessary. With frame on line, set spreader and fasten jambs to floor through floor anchors.



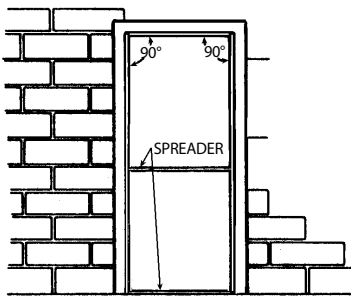
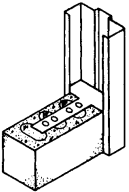
Brace the frame as shown or shore to the ceiling. DO NOT BRACE IN THE DIRECTION OF INTENDED WALL. Plumb and square jambs.

MASONRY WALL CONSTRUCTION:

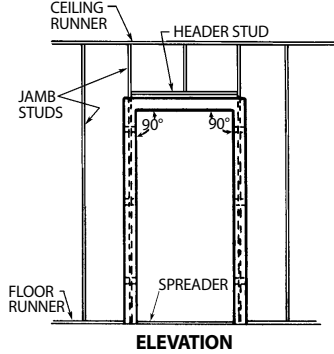


Typical wood spreader must be square and fabricated from lumber no less than 1" (25) thick. Correct length is the door opening width between the jambs at the header. Cut clearance notches for frame stops. Spreader must be nearly as wide as frame depth for proper installation.
ie: Single door 3' 0" (???) = 36" (???)

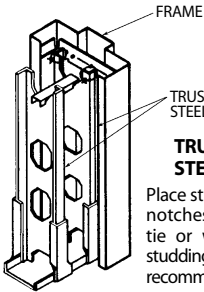
1. Set and plumb frame.
2. Install three anchors per jamb at hinge and strike levels as wall is laid up. Grout frame in the areas of the anchors.
3. A second spreader is recommended at the mid point of the door opening to maintain the door opening dimension.
4. Continually check plumb and square as wall progresses.



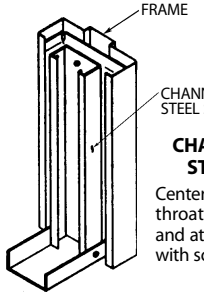
STEEL STUD WALL CONSTRUCTION:



1. Install minimum three anchors per jamb at hinge and strike levels. Position anchors in frame through the throat and tap in with a hammer.
2. Square, brace and plumb frame as shown.
3. Set spreader. Attach jambs to floor through floor anchor or floor extension. Install jamb studs to floor and ceiling runners and tightly against frame anchors.
4. Attach studs to frame anchors as shown.



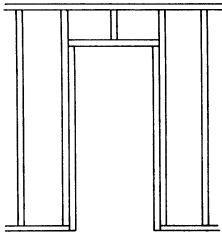
Place studs in anchor notches and wire tie or weld. Double studding at jambs is recommended.



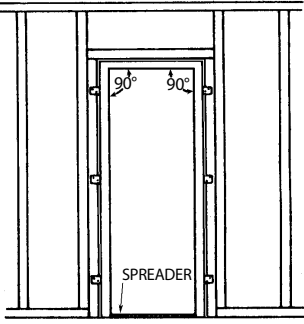
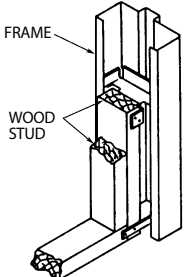
Center studs in frame throat or as desired and attach to anchors with screws or weld.

Note: When attaching header stud to jamb studs, be sure the stud is above frame header. This will assure ample room for attaching plaster lath or drywall and will not interfere with installation of hardware attached to frame header.

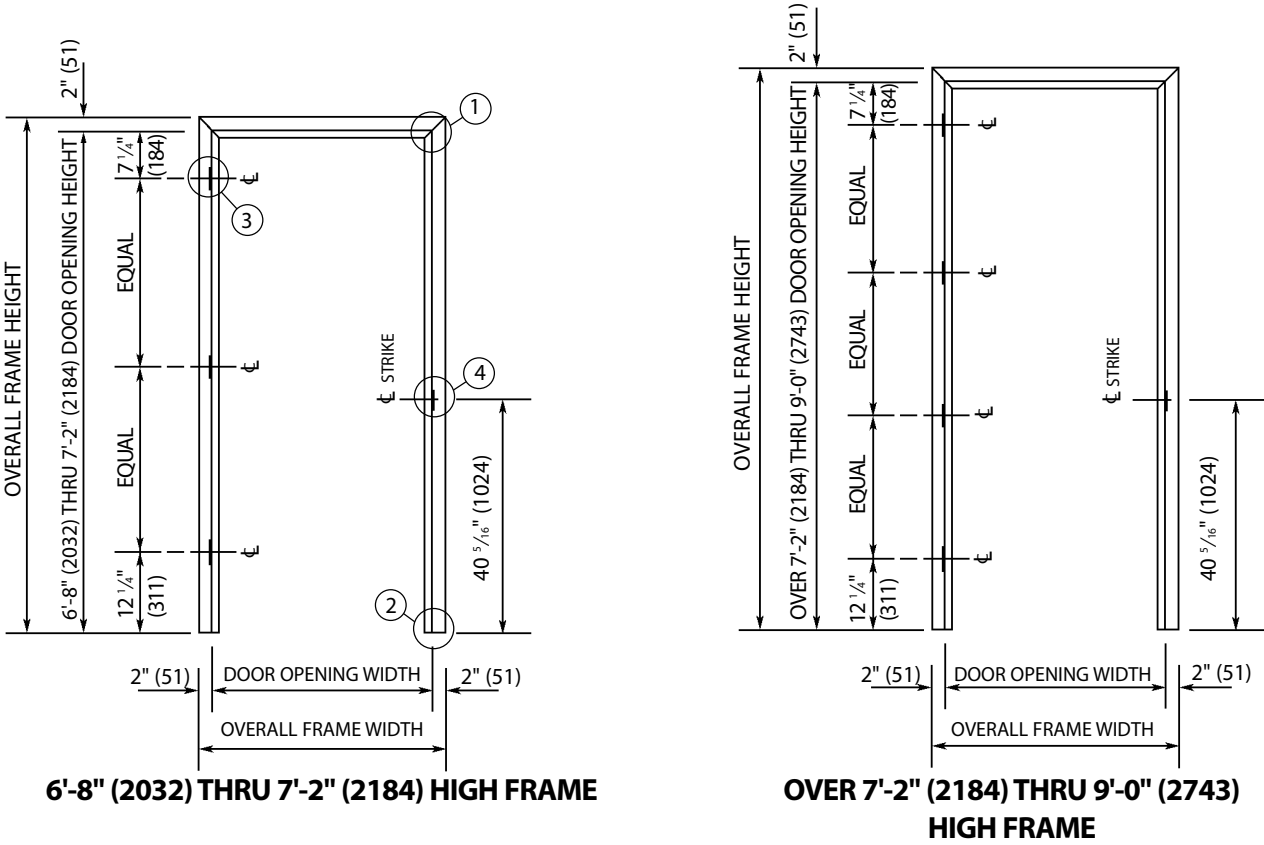
WOOD STUD WALL CONSTRUCTION:



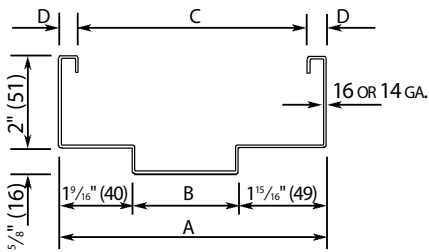
Consult manufacturers' instructions for rough stud opening width and height dimensions.



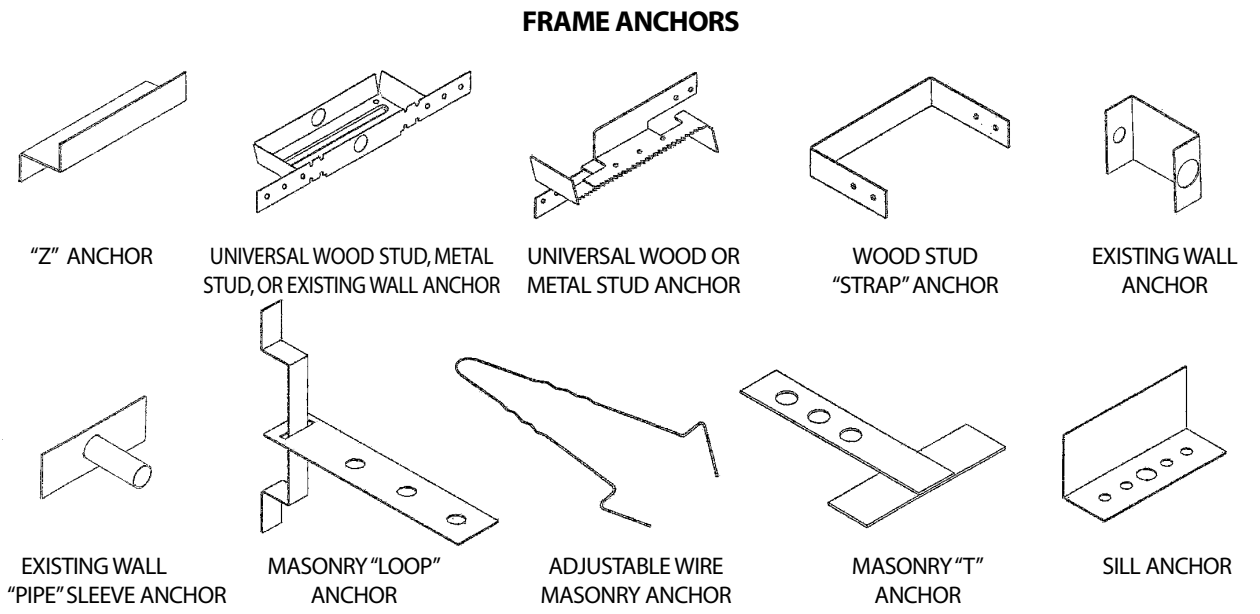
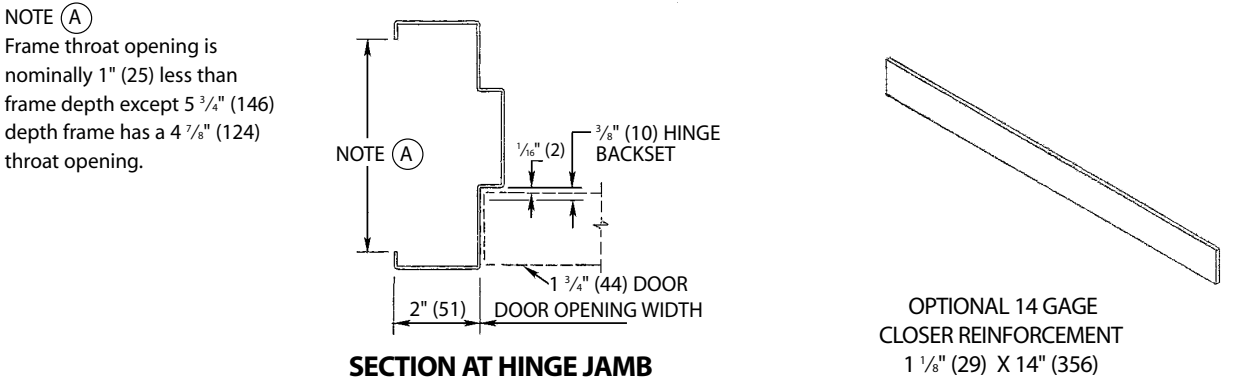
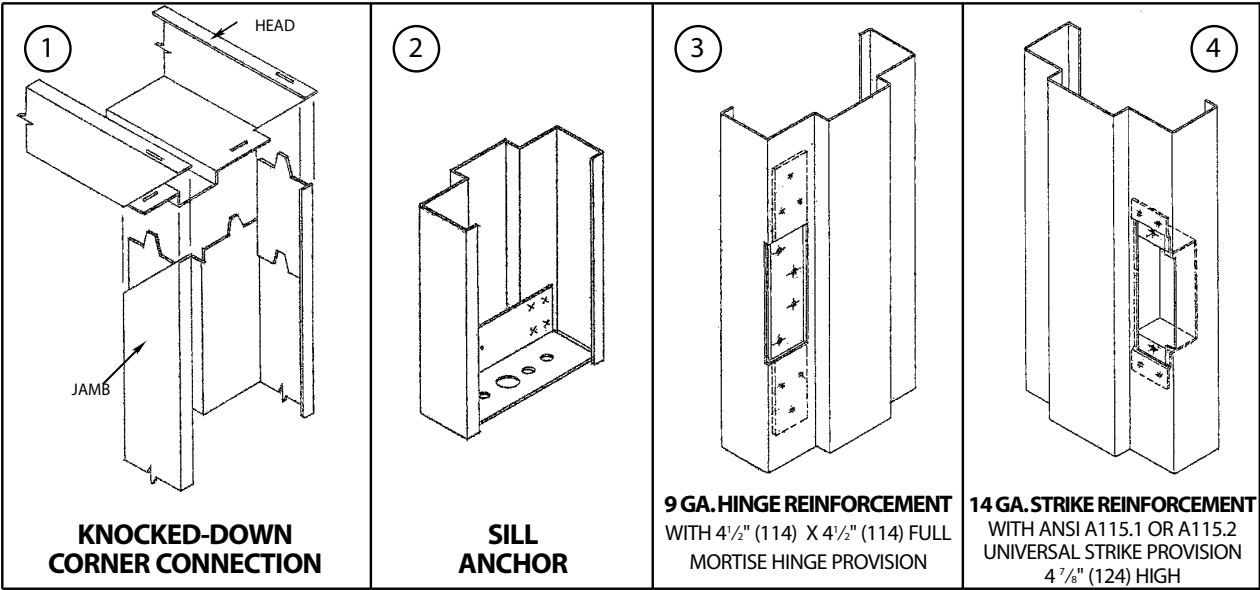
1. Insert anchors at hinge and strike levels. Position anchors in frame throat and tap in with a hammer. Base anchors may also be used.
2. Place frame in rough stud opening.
3. Bend anchor tabs around stud leaving desired clearance between frame return and stud for inserting finished wall material.
4. Set spreader and level frame. Shim jambs if necessary.
5. Square and nail top anchors to studs on ONE JAMB ONLY. Check plumb and square and continue to nail balance of anchors to studs. Repeat for opposite jamb.



DOOR OPENING WIDTHS			
SINGLE SWING		DOUBLE SWING	
20 (610)	34 (1016)	40 (1219)	68 (2032)
24 (711)	36 (1067)	48 (1422)	70 (2134)
26 (762)	38 (1118)	50 (1524)	74 (2235)
28 (813)	40 (1219)	54 (1626)	80 (2438)
30 (914)		60 (1829)	



FRAME DEPTHS			
A	B	C	D
4 3/4" (121)	1 1/4" (32)	3 3/4" (95)	1/2" (13)
5 3/4" (146)	2 1/4" (57)	4 7/8" (124)	7/16" (11)
6 3/4" (171)	3 1/4" (83)	5 3/4" (146)	1/2" (13)
7 3/4" (197)	4 1/4" (108)	6 3/4" (171)	1/2" (13)
8 3/4" (222)	5 1/4" (133)	7 3/4" (197)	1/2" (13)



TECHNICAL DATA

1³/₈" (35) Drywall Door Frames
Series FE16-8

SPECIFICATIONS

SECTION 08100 - METAL FRAMES

1.0 GENERAL

- 1.1 **Scope:** This specification applies to standard steel frames as shown on the plans and frame schedules and are to be frames as manufactured by Premier Products, Inc., Monroe, Louisiana.
- 1.2 **Quality Assurance:** Provide frames in compliance with ANSI A250.8 and ANSI/NAAMM HMMA 867 requirements.

2.0 PRODUCTS

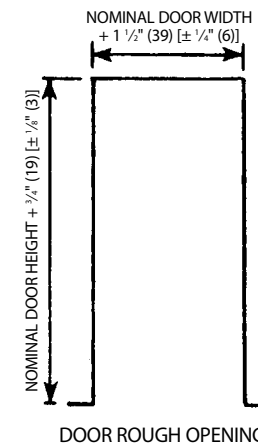
- 2.1 **Steel:** Provide frames fabricated from commercial quality steel complying with ASTM A1008 (uncoated), ASTM A568 or ASTM A653 (hot dipped galvanized).
- 2.1.1 **Drywall Frame Construction:** Provide all drywall frames for 1³/₈" (35) doors fabricated from 16 gage commercial quality steel. All bends shall be formed from a true, sharp radii. Frame design shall have a double rabbet and double return for installation over a finished wall. Frame shall be provided with a compression lug near the top of each jamb for secure pressure attachment to the wall. Base anchorage shall be by screws thru holes provided in face of frame at base (or by screws thru concealed base clips).
- 2.2 **Drywall Frame Assembly:** Provide all drywall frames knocked-down with steel corner tabs and compression lugs for field assembly over the finished wall.

- 2.3 **Hinge Provision:** Provide frames with 11 gage steel hinge reinforcement projection welded to the frame. Frames 6' 8" (2032) high shall have two hinge provisions. Frames 7' 0" (2134) high shall have three hinge provisions. Standard hinge provision shall be for template 3¹/₂" x 3¹/₂" (89 x 89) .123" (3) thick hinges, provide for others as required by hardware schedule and templates.
- 2.4 **Strike Provision:** Provide frames with 14 gage steel (or equivalent threads in extruded steel) lock strike reinforcement projection welded to the frame. Standard provision shall be for ANSI A115.2 universal strike. Provide for others as required by hardware schedule and templates.
- 2.5 **Other Reinforcements:** Provide hardware provisions in accordance with requirements of the finish hardware schedule and templates. Reinforcing shall be in accordance with ANSI A250.8.
- 2.6 **Painting:** All frames shall be phosphatized, prime painted by dip process to insure heavy, complete coverage and oven baked. Frames shall be suitable for field finish painting.

3.0 EXECUTION

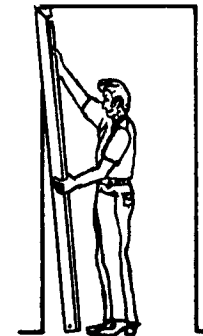
- 3.1 **Installation:** Contractor to provide installation of the frames plumb, square and in true alignment. Use wood installation spreader at base, strike and mid-top locations to insure constant and proper jamb opening for door.

INSTALLATION INSTRUCTIONS FOR STANDARD SERIES FE DRYWALL FRAMES



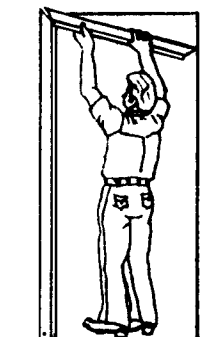
IMPORTANT!!

If Alternate Base Anchors are used, before starting installation: Insert two (2) each base anchors to each jamb starting from bottom and sliding up to desired height where base board will cover.



STEP 1.

Loosen compression lugs in both jambs. Begin by sliding Hinge Jamb over wall.



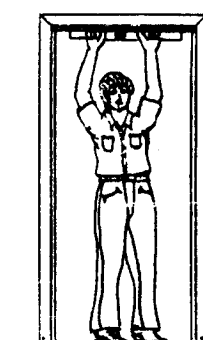
STEP 2.

Install Head over wall, engage Corner Clips and align tabs with slots.



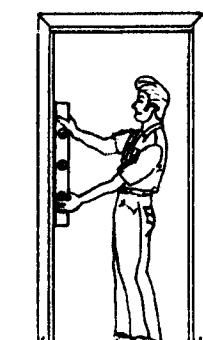
STEP 3.

Slide Strike Jamb over wall, same as shown in Step 1.



STEP 4.

Level Head by shimming at base of Jambs, if necessary. Adjust compression lugs evenly until they contact studs.



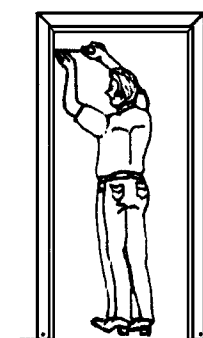
STEP 5.

Plumb Hinge Jamb and install anchor screws through holes on face or fasten base anchors to drywall with anchors screws. (Anchor screws by others.)



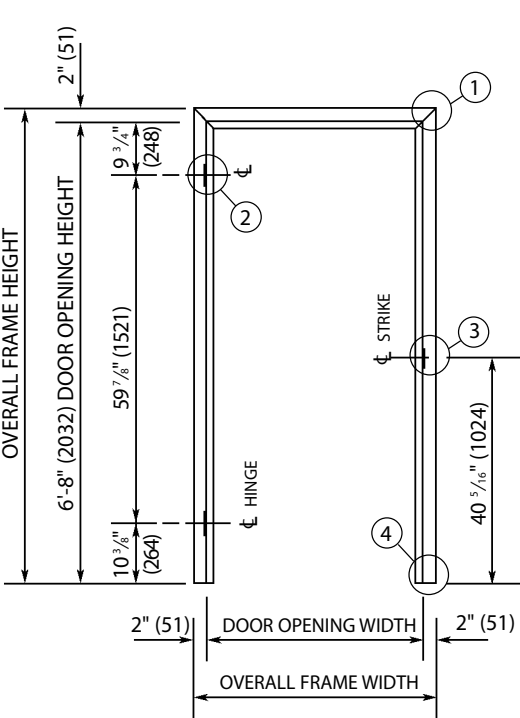
STEP 6.

Cut wood spreader to exact door opening width and insert as shown. Install Strike Jamb screws through holes on face or fasten base anchors to drywall with anchors screws.

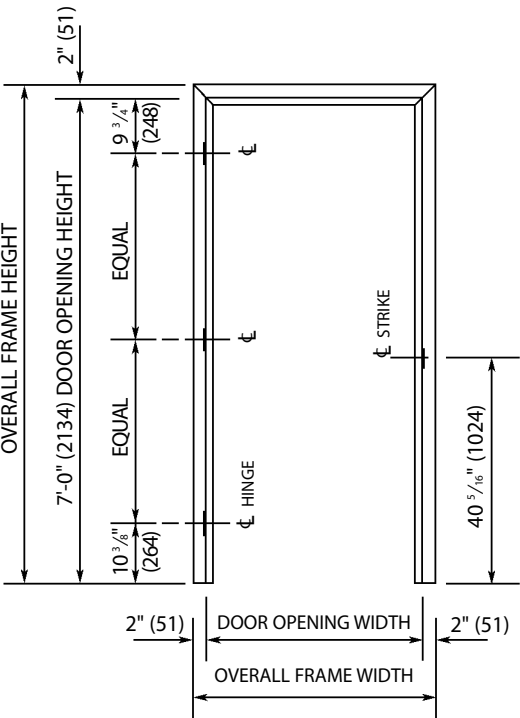


STEP 7.

Tighten Compression Lugs. (DO NOT OVER-TIGHTEN.) Complete installation by installing Snap Plugs in compression lug holes. Apply Door Mutes.

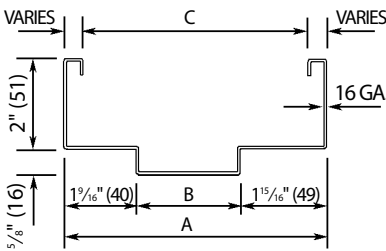


6'-8" (2032) HIGH FRAME

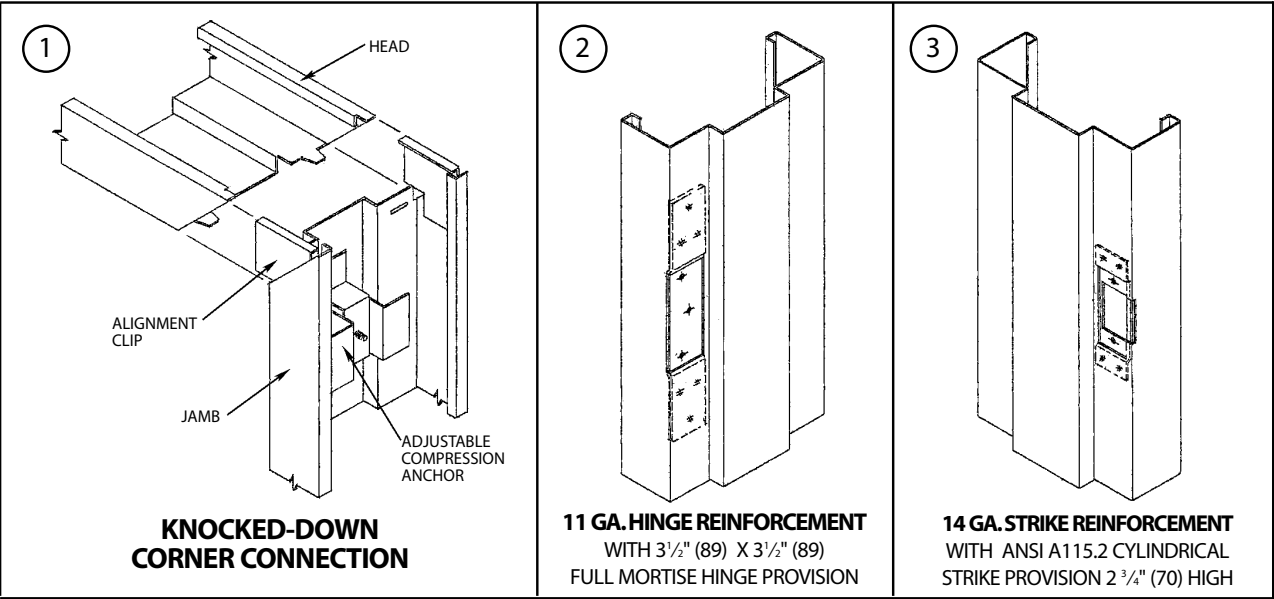


7'-0" (2134) HIGH FRAME

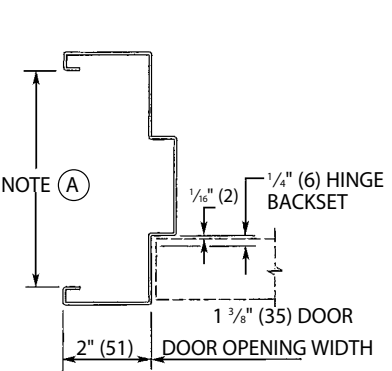
DOOR OPENING WIDTHS	
SINGLE SWING	DOUBLE SWING
20 (610)	40 (1219)
24 (711)	48 (1422)
26 (762)	50 (1524)
28 (813)	54 (1626)
30 (914)	60 (1829)



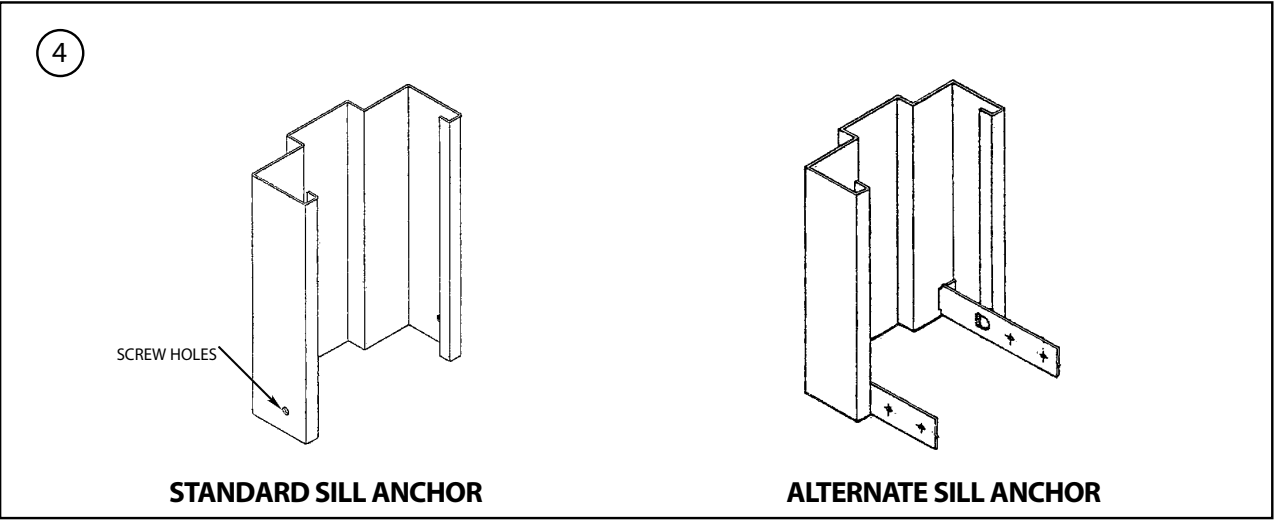
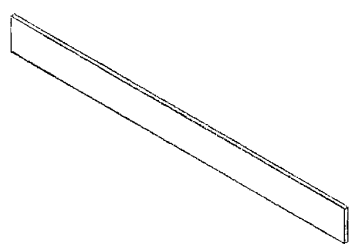
FRAME DEPTHS		
A	B	C
5 3/4" (146)	2 1/4" (57)	4 5/8" (117)
5 3/4" (146)	2 1/4" (57)	4 7/8" (124)
6 1/4" (159)	2 3/4" (70)	5 1/4" (133)
7 1/8" (181)	3 5/8" (92)	6 1/8" (156)
7 3/4" (197)	4 1/4" (108)	6 3/4" (171)
8 1/4" (210)	4 3/4" (121)	7 1/4" (184)



NOTE (A)
Frame throat opening is nominally 1" (25) less than frame depth except 5 3/4" (146) depth frame has a 4 7/8" (124) throat opening.



SECTION AT HINGE JAMB



TECHNICAL DATA

1³/₄" (44) Drywall Door Frames
Series FE16-4

SPECIFICATIONS

SECTION 08100 - METAL FRAMES

1.0 GENERAL

- 1.1 **Scope:** This specification applies to standard steel frames as shown on the plans and frame schedules and are to be frames as manufactured by Premier Products, Inc., Monroe, Louisiana.
- 1.2 **Quality Assurance:** Provide frames in compliance with ANSI A250.8 and ANSI/NAAMM HMMA 867 requirements. Provide fire frames listed by Underwriters Laboratories or Warnock Hersey International.

2.0 PRODUCTS

- 2.1 **Steel:** Provide frames fabricated from commercial quality steel complying with ASTM A1008 (uncoated), ASTM A568 or ASTM A653 (hot dipped galvanized).
- 2.1.1 **Drywall Frame Construction:** Provide all drywall frames for 1³/₄" (44) doors fabricated from 16 gage commercial quality steel. All bends shall be formed from a true, sharp radii. Frame design shall have a double rabbet and double return for installation over a finished wall. Frame shall be provided with a compression lug near the top of each jamb for secure pressure attachment to the wall. Base anchorage shall be by screws thru holes provided in face of frame at base (or by screws thru concealed base clips).
- 2.2 **Drywall Frame Assembly:** Provide all drywall frames knocked-down with steel corner tabs and compression lugs for field assembly over the finished wall.
- 2.3 **Hinge Provision:** Provide frames with 9 gage steel hinge reinforcement projection welded to the frame. Frames through 7' 2" (2184) high shall have minimum of three

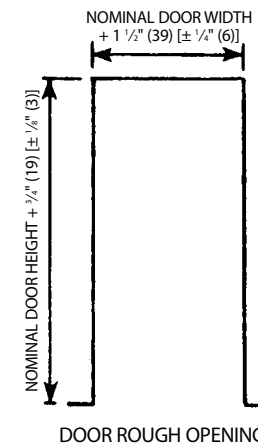
hinge provisions, over 7' 2" (2184) high through 9' 0" (2743) high shall have four. Standard hinge provision shall be for template 4¹/₂" x 4¹/₂" (114 x 114) regular weight .134" (3) hinges, provide for others as required by hardware schedule and templates.

- 2.4 **Strike Provision:** Provide frames with 14 gage steel (or equivalent threads in extruded steel) lock strike reinforcement projection welded to the frame. Standard provision shall be for ANSI A115.1 or A115.2 universal strike. Provide for others as required by hardware schedule and templates.
- 2.5 **Other Reinforcements:** Provide hardware provisions in accordance with requirements of the finish hardware schedule and templates. Reinforcing shall be in accordance with ANSI A250.8.
- 2.6 **Painting:** All frames shall be phosphatized, prime painted by dip process to insure heavy, complete coverage and oven baked. Frames shall be suitable for field finish painting.
- 2.7 **Fire Protection:** Provide frames with fire ratings from Underwriters Laboratory or Warnock Hersey International in accordance with the frame schedule.

3.0 EXECUTION

- 3.1 **Installation:** Contractor to provide installation of the frames plumb, square and in true alignment. Use wood installation spreader at base, strike and mid-top locations to insure constant and proper jamb opening for door.

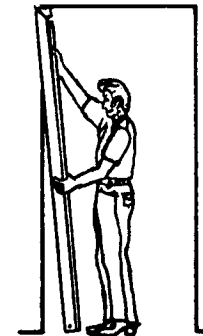
INSTALLATION INSTRUCTIONS FOR STANDARD SERIES FE DRYWALL FRAMES



IMPORTANT!!

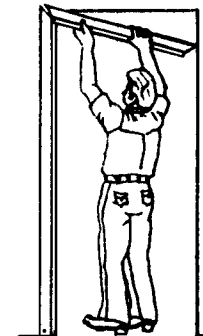
If Alternate Base Anchors are used, before starting installation:

Insert two (2) each base anchors to each jamb starting from bottom and sliding up to desired height where base board will cover.



STEP 1.

Loosen compression lugs in both jambs. Begin by sliding Hinge Jamb over wall.



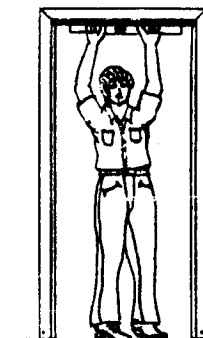
STEP 2.

Install Head over wall, engage Corner Clips and align tabs with slots.



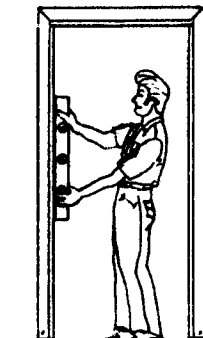
STEP 3.

Slide Strike Jamb over wall, same as shown in Step 1.



STEP 4.

Level Head by shimming at base of Jambs, if necessary. Adjust compression lugs evenly until they contact studs.



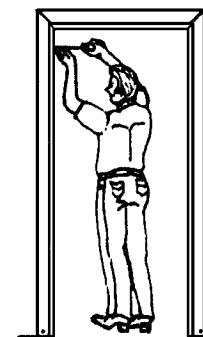
STEP 5.

Plumb Hinge Jamb and install anchor screws through holes on face or fasten base anchors to drywall with anchors screws. (Anchor screws by others.)



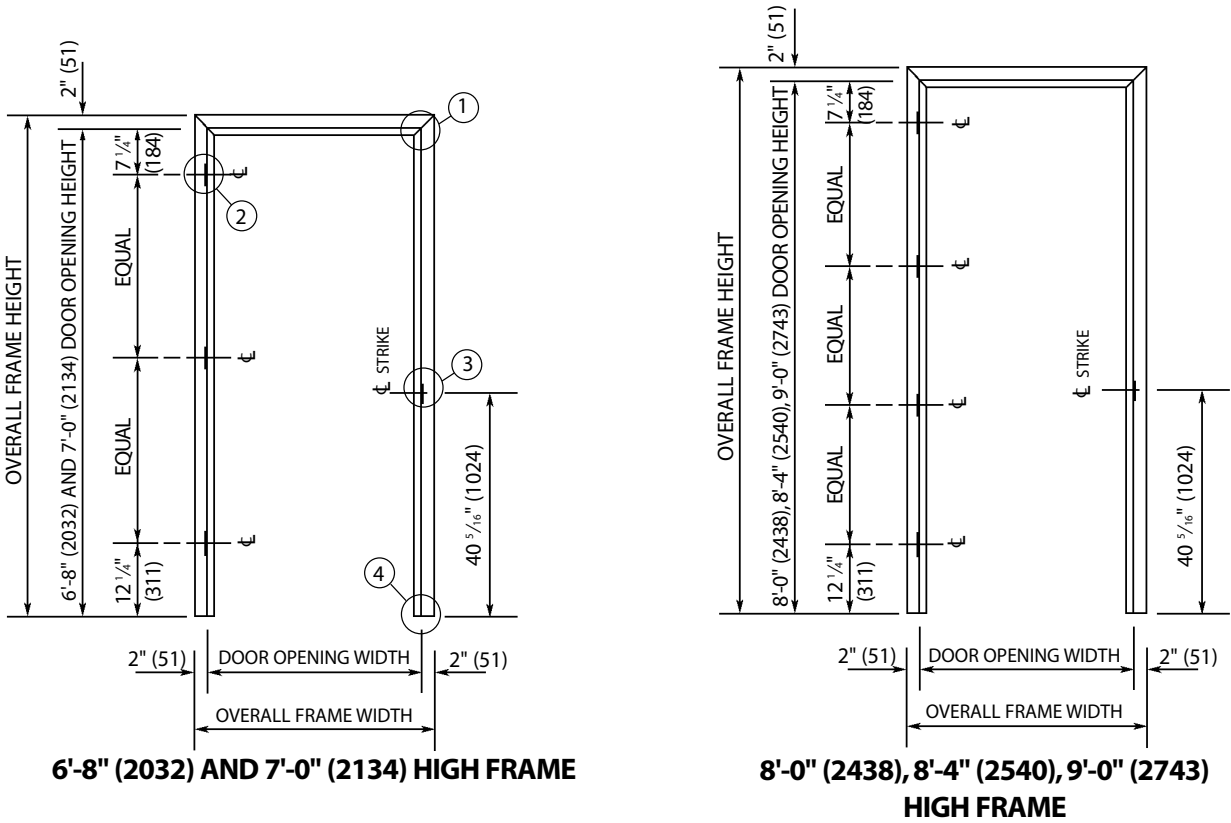
STEP 6.

Cut wood spreader to exact door opening width and insert as shown. Install Strike Jamb screws through holes on face or fasten base anchors to drywall with anchors screws.

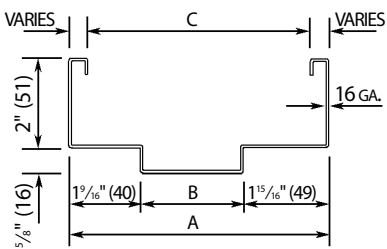


STEP 7.

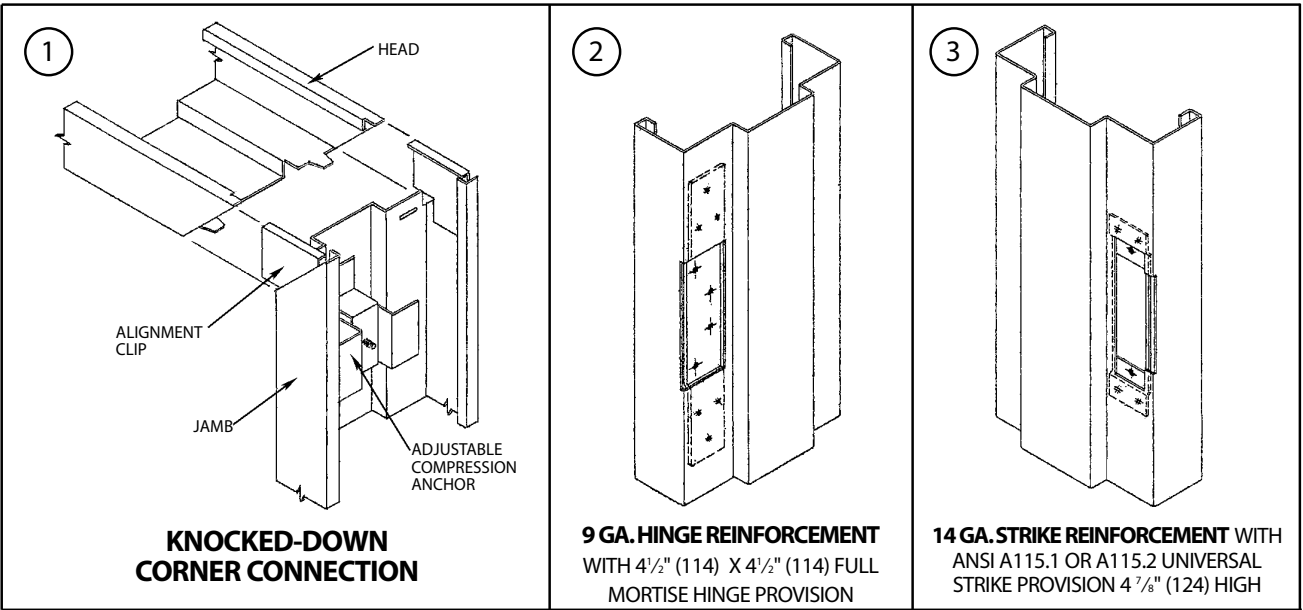
Tighten Compression Lugs. (DO NOT OVER-TIGHTEN.) Complete installation by installing Snap Plugs in compression lug holes. Apply Door Mutes.



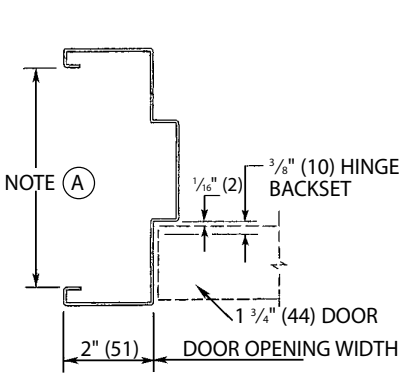
DOOR OPENING WIDTHS			
SINGLE SWING		DOUBLE SWING	
20 (610)	34 (1016)	40 (1219)	68 (2032)
24 (711)	36 (1067)	48 (1422)	70 (2134)
26 (762)	38 (1118)	50 (1524)	74 (2235)
28 (813)	40 (1219)	54 (1626)	80 (2438)
30 (914)		60 (1829)	



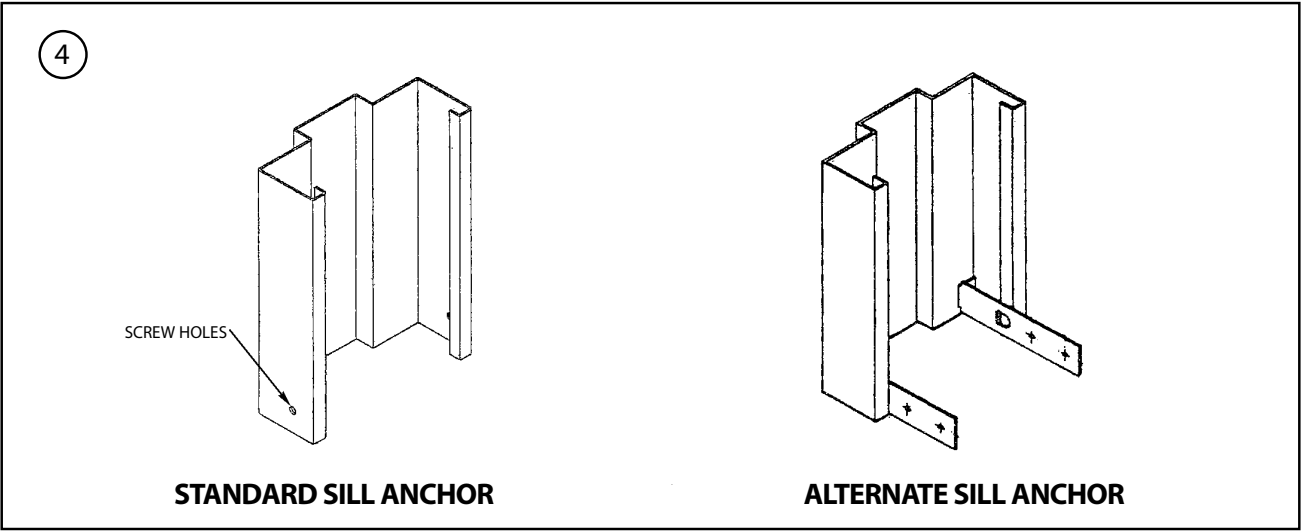
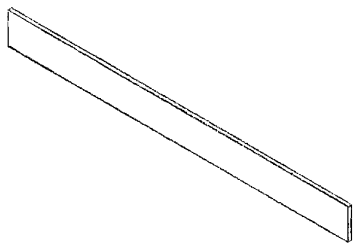
FRAME DEPTHS		
A	B	C
5 3/4" (146)	2 1/4" (57)	4 5/8" (117)
5 3/4" (146)	2 1/4" (57)	4 7/8" (124)
6 1/4" (159)	2 3/4" (70)	5 1/4" (133)
7 1/8" (181)	3 5/8" (92)	6 1/8" (156)
7 3/4" (197)	4 1/4" (108)	6 3/4" (171)
8 1/4" (210)	4 3/4" (121)	7 1/4" (184)



NOTE (A)
Frame throat opening is nominally 1" (25) less than frame depth except 5 3/4" (146) depth frame has a 4 7/8" (124) throat opening.



SECTION AT HINGE JAMB



TECHNICAL DATA

Sticks and Stick Assemblies
Series SF

SPECIFICATIONS

SECTION 08100 - STICK ASSEMBLIES

1.0 GENERAL

- 1.1 **Scope:** This specification applies to standard stick assemblies as shown on the plans and schedules and are to be sticks and stick assemblies as manufactured by Premier Products, Inc., Monroe, Louisiana.
- 1.2 **Quality Assurance:** Provide stick assemblies in compliance with ANSI A250.8 and ANSI/NAAMM HMMA 867 requirements. Provide assemblies listed by Underwriters Laboratories or Warnock Hersey International.

2.0 PRODUCTS

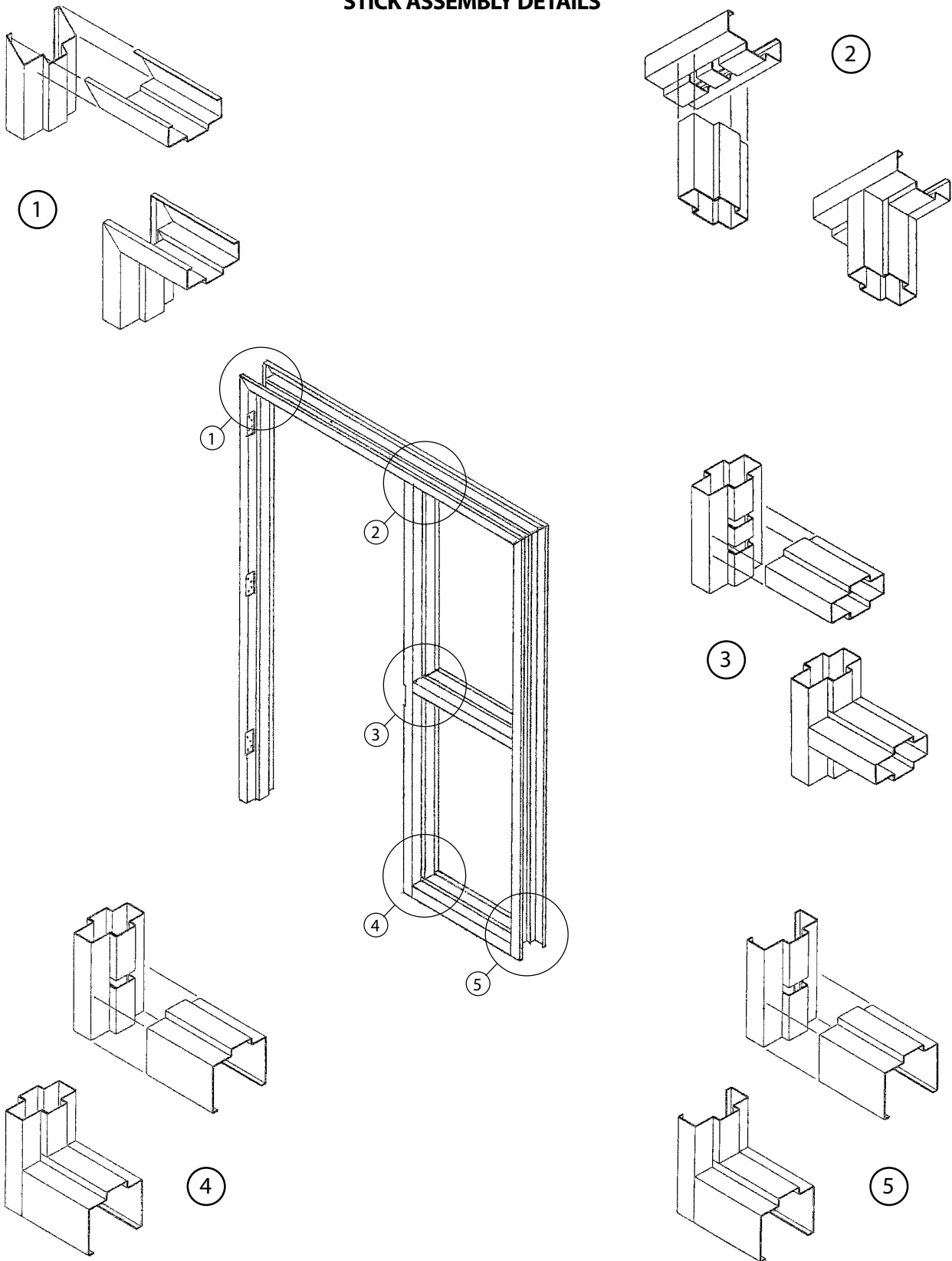
- 2.1 **Steel:** Frame assemblies shall be made of standard stick components, fabricated from prime quality 16 or 14 gage, cold-rolled steel or galvanized steel complying with ASTM A1008 (uncoated), ASTM A568 or ASTM A653 (hot dipped galvanized).
- 2.2 **Construction:** Where sticks are used at door openings in the frame assemblies, they shall be prepared for all hardware as specified. Frame assemblies shall be fabricated from three basic components: Open sections (perimeter members), Mullion sections (intermediate members), and Sill sections.
- 2.2.1 **Open Sections:** Open sections shall be identical in configuration to standard frames.
- 2.2.2 **Mullion Sections:** Mullion Sections shall have identical jamb depths, face dimensions, and stops as open sections.

- 2.2.3 **Sill Sections:** Sill sections shall be flush with both faces of adjacent vertical members. The individual sticks shall be cut to length and notched to assure square joints and corners. All joints and corners of the frame assembly shall be welded and ground smooth at the face of the sections.
- 2.3 **Steel Panels:** When specified, steel panels shall be furnished 1 3/8" (35) or 1 3/4" (44) thick as required. Panels shall be reinforced by laminating 20 or 18 gage steel to a polystyrene core.
- 2.4 **Painting:** All frame assemblies shall be phosphatized and receive one coat of baked-on rust-inhibiting prime paint. Steel channel glazing beads shall be provided with the assemblies for all areas in which glass is to be installed.
- 2.4.1 All stick components and steel panels shall be thoroughly cleaned, phosphatized and finished as standard with one coat of baked-on rust-inhibiting prime paint.

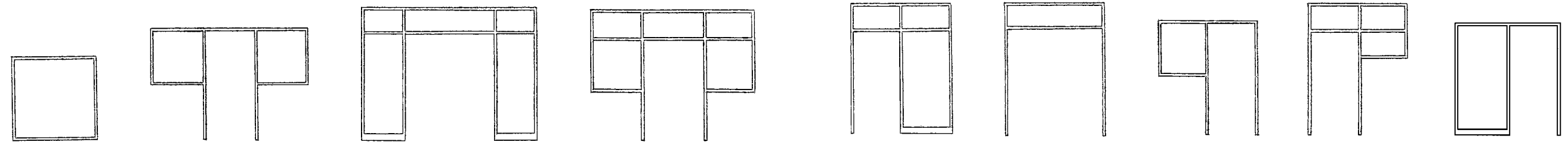
3.0 EXECUTION

- 3.1 **Shipping and Handling:** Frame assemblies shall be shipped to the jobsite completely welded. Field joints shall be permitted only when the size of the total assembly exceeds shipping limitations. When frame assemblies are subjected to windloads, vertical members shall be free of field splices.

STICK ASSEMBLY DETAILS



TYPICAL STICK SECTION ELEVATIONS



STICK SECTIONS

PREMIER pre-engineered steel frame components called “sticks” give unlimited opening systems. Stick components are used to fabricate even the most complex entrance fronts, partitions, and window wall designs. The variety of jamb depths and sizes permits greater freedom of design. As stick assemblies are normally welded, they offer greater strength with no seams showing between the vertical and horizontal members.

These openings can be designed for any job requirement, fabricated from factory components, assembled and welded by factory trained PREMIER Distributors. As sticks are shipped by components and fabricated locally, shipping costs, job delays and design limitations are greatly reduced.

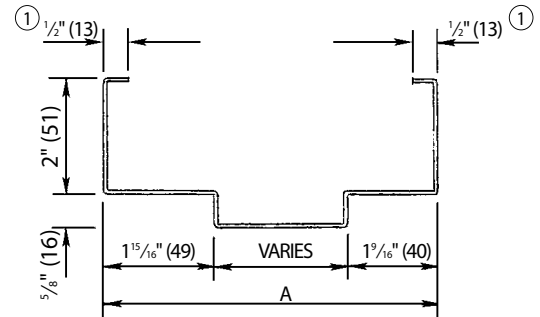
Stick components are manufactured from 16 or 14 gage, cold-rolled or galvanized steel. Standard jamb depths are 4 3/4" (121), 5 3/4" (146), 6 3/4" (171), 7 3/4" (197) and 8 3/4" (222) with other depths available.

Various face dimensions are available on both open and closed sections. Sill section heights are 2" (51), 4" (102), 5" (127), 6" (152), 7" (128) and 8" (203).

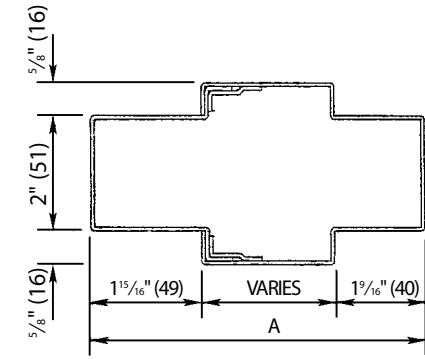
Stick components are manufactured in 10'-0" (3048) lengths.

- NOTES:**
- ① 7/16" (11) at 5 3/4" (146) depth frame
 - A = 4 3/4" (121), 5 3/4" (146), 6 3/4" (171), 7 3/4" (197), 8 3/4" (222)
 - B = 4 1/2" (114), 5 1/2" (140), 6 1/2" (163), 7 1/2" (191), 8 1/2" (216)

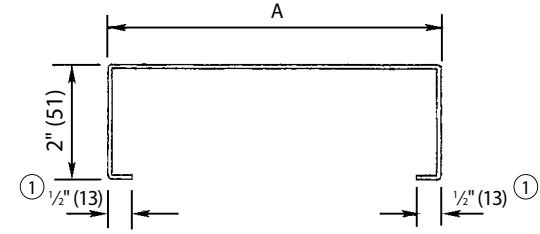
STICK SECTION PROFILES



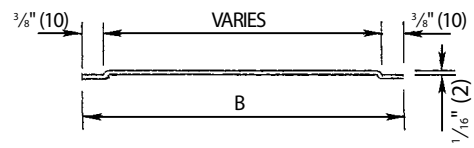
DOOR FRAME SECTION



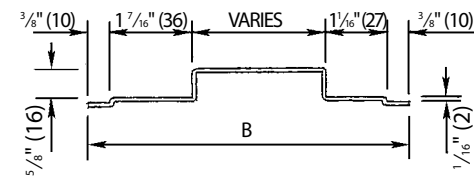
MULLION ASSEMBLY



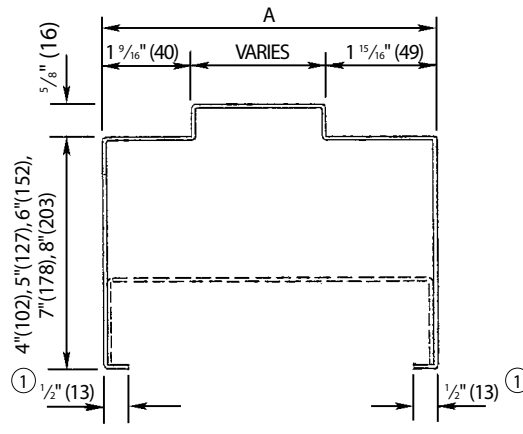
CASED OPENING SECTION



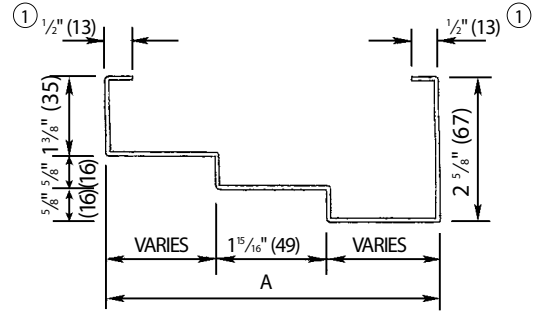
FILLER PLATE WITHOUT STOP



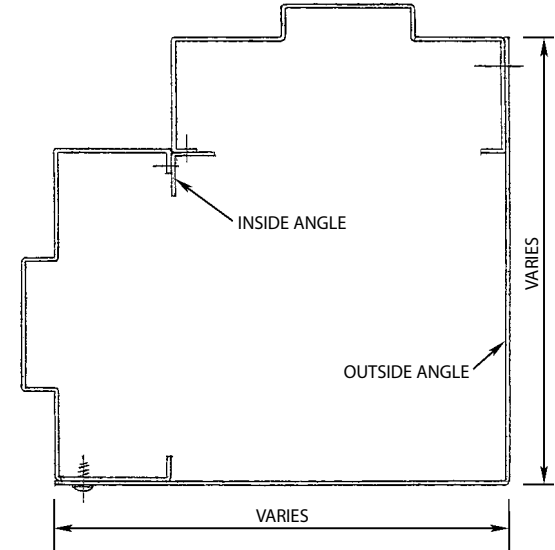
FILLER PLATE WITH STOP



HEAD / SILL SECTION



DOUBLE EGRESS SECTION



FRAME CORNER CLOSURE

TECHNICAL DATA

Fire Door Frames



SPECIFICATIONS

SECTION 08100 - FIRE DOOR FRAMES

1.0 GENERAL

- 1.1 **Scope:** This specification applies to fire door frames as manufactured by Premier Products, Inc., Monroe, Louisiana
- 1.2 **Quality Assurance:** Fire door frames shall bear labels or stamped listing markings of Underwriters Laboratories, Inc. or Warnock Hersey International.

2.0 PRODUCTS

- 2.1 **Steel:** Provide door frames fabricated from commercial quality steel complying with ASTM A1008 (uncoated), ASTM A568 or ASTM A653 (hot dipped galvanized).
- 2.1.1 **Door Frame Construction:** Provide door frames fabricated from a minimum of 16 gage and a maximum of 14 gage commercial quality steel. All bends shall be brake formed to assure a true, sharp radii and to minimize camber.
- 2.2 **Drywall Frames:** Provide drywall door frames knock-down.
- 2.2.1 **Conventional Frames:** Provide conventional frames either knock-down or set-up and welded.
- 2.2.2 **Transom Frames:** Provide transom frames set-up and welded only.
- 2.3 **Hardware Provision:** Provide frames with 9 gage steel hinge reinforcements projection welded to the frame in six

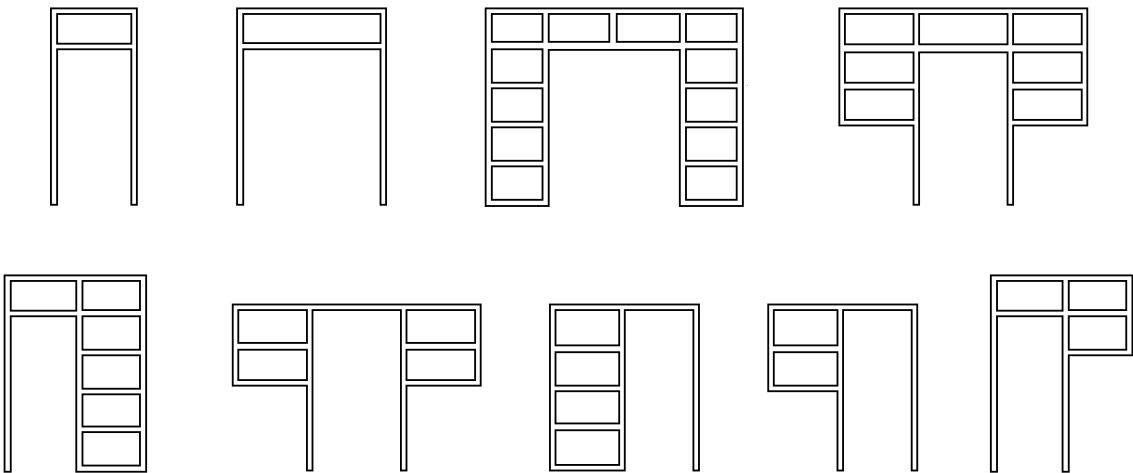
places. Standard hardware provisions for door frames for 1 3/4" (44) thick doors shall be for template 4 1/2" x 4 1/2" (114 x 114) regular weight .134" (3) hinges and an ANSI A115.1 or A115.2 4 7/8" (124) universal strike. Frames up to 7' 2" (2184) high shall have a minimum of three hinge provisions, frames over 7' 2" (2184) high through 10' 0" (3048) high shall have four hinge provisions.

- 2.4 **Other Reinforcements:** Provide hardware provisions in accordance with requirements of the finish hardware schedule and templates. Reinforcing shall be in accordance with ANSI A250.8.
- 2.5 **Painting:** All door frames shall be phosphatized, prime painted by dip process to insure heavy, complete coverage and oven baked.
- 2.6 **Fire Protection:** Provide frames with fire ratings from Underwriters Laboratory or Warnock Hersey International in accordance with the frame schedule.

3.0 EXECUTION

- 3.1 **Installation:** Contractor to provide installation of the frames plumb, square and in true alignment. Use wood installation spreader at base, strike and mid-top locations to insure constant and proper jamb opening for door.

TRANSOM / SIDELIGHT FRAMES



- Maximum overall frame size:
13' 6" (4115) wide x 12' - 0" (3658) high installed in masonry
12' 10" (3912) wide x 11' - 7 1/2" (3543) high installed in drywall

• Jamb depth: 4 3/4" (121) to 12 3/4" (324)

• Frame steel thickness: 16 gage or 14 gage

• Maximum rating: 1 1/2 hours with panels and 1 hour with glass

• Maximum panel size:
Transom: 1 3/4" (44) thick panel (door construction) 90" (2286) wide x 46" (1168) high
1/2" (13) or 5/8" (16) thick solid panel 30" (762) wide x 40" (1016) high

Side: 1 3/4" (44) thick panel (door construction) 46" (1168) wide x 90" (2286) high
1/2" (13) or 5/8" (16) thick solid panel 36" (914) wide in masonry and 32" (813) wide in drywall x 54" (1372) high

• Minimum stop height for panels is 5/8" (16)

TRANSOM / SIDELIGHT GLAZING					
Maximum Rating	Maximum Area (sq. in.)	Maximum Width	Maximum Height	Glazing	Stop Height
3/4 Hour	1296 (836,127)	54" (1372)	54" (1372)	1/4" (6) thick listed wire glass	5/8" (16)
	4704 (3,034,833)	106" (2692)	NOTE ①	1/4" (6) thick Pilkington wired glass with Pemko FG3000 glazing compound	
1 Hour	2721 (1,755,480)	54" (1372)	77 3/4" (1975)	3/16" (5) thick "Firelite" ceramic glass with DAP-33, pure silicone or metacaulk 990 glazing compound	

NOTE ①: 36" (914) for transom lights and 106" (2692) for side lights.

FIRE DOOR FRAMES

PREMIER offers a complete line of fire door frames for 1 3/4 (44) thick labeled fire doors to meet most fire protection requirements. Since fire rating requirements vary throughout the country, local authorities having jurisdiction regarding the use of label openings should be consulted during the design and planning stage.

UNDERWRITERS LABORATORIES (UL)

Frames approved by Underwriters Laboratories, Inc. have been investigated, fire tested and have met the conditions of acceptance for tests UL 10B (neutral pressure) and **UL 10C, UBC7-2 (1997) part 1 (positive pressure)**. Frames are produced under the Underwriters Laboratories’ factory inspection and labeling program.

WARNOCK HERSEY INTERNATIONAL (WHI)

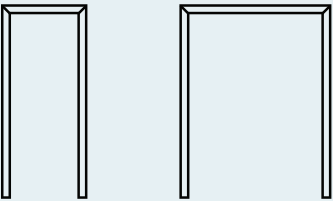
Frames having the Warnock Hersey International, Inc. label have been tested for the fire endurance and hose stream test in accordance with A5TM E-152. The test results complied with the conditions of acceptance for this standard and are produced under Warnock Hersey’s factory inspection and labeling service program.

DOOR FRAME RATINGS

Frames for fire doors are not affected by the exposure ratings and opening classifications that apply to doors. There are no hourly ratings for a basic fire door frame, unless the labeling on the frame specifically states that the frame is rated for something less than 3 hours. If a frame bears a recognized label qualifying it as a fire door frame, it may support a 3-hour, a 1 1/2 hour, a 1/4 hour or 1/3 hour door. Frames used in masonry walls maybe used with a maximum 3-hour fire door, while frames used in drywall walls may be used with a maximum 1 1/2 hour fire door.

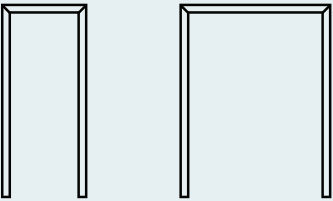
UL and WHI frames are available with **loose anchors**. Frames for masonry, wood stud or steel stud walls can be furnished. Anchors and installation instruction sheets are packaged with each frame or packaged with frame anchors.

CONVENTIONAL FRAMES



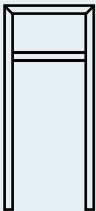
- Maximum door opening size:
Single swing: 4'-0" (1219) x 10'-0" (3048)
Pairs: 8'-0" (2438) x 10'-0" (3048)
- Jamb depth: 3" (76) to 12 3/4 (324)
- Frame steel thickness: 16 gage or 14 gage
- Frame construction: knocked-down or set-up and welded
- Frames with 4" (102) face heads are available
- Frames with hospital stops are available Communicating frames are available
- Maximum rating: 3 hours

DRYWALL FRAMES



- UL**
- Maximum door opening size:
Single swing: 4'-0" (1219) x 8'-0" (2438)
Pairs: 8'-0" (2438) x 8'-0" (2438)
- WHI**
- Maximum door opening size:
Single swing: 4'-0" (1219) x 9'-0" (2743)
Pairs: 6'-0" (1829) x 9'-0" (2743)
- UL and WHI**
- Jamb depth: 4 1/4" (121) to 10" (254)
 - Frame steel thickness: 16 gage
 - Frames with hospital stops are available
 - Communicating frames are available
 - Maximum rating: 1 1/2 hours

TRANSOM FRAMES WITH WOOD PANELS

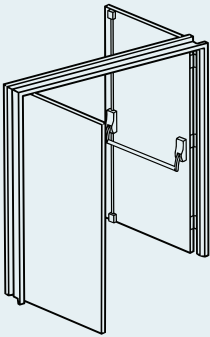


- TRANSOM FRAME WITH TRANSOM BAR**
- Maximum door opening size:
4'-0" (1219) x 8'-0" (2438)
 - Maximum panel height: 4'-0" (1219)
 - Jamb depth: 4 3/4 (121) to 12 3/4 (324)
 - Frame steel thickness: 16 gage or 14 gage
 - Wood panel requirement: **Weyerhaeuser Co.** listed transom panel only
 - Maximum rating: 1 1/2 hours



- TRANSOM FRAME WITHOUT TRANSOM BAR**
- Maximum door opening size:
4'-0" (1219) x 8'-0" (2438)
 - Maximum panel height: 4'-1 1/2" (1232)
 - Jamb depth: 4 3/4 (121) to 12 3/4 (324)
 - Frame steel thickness: 16 gage or 14 gage
 - Wood panel requirement: **Algoma Hardwoods, Inc.** model 11DT transom panel
 - Door requirement: **Algoma Hardwoods, Inc.** model 11 OT fire door
 - Maximum rating: 1 1/2 hours

DOUBLE EGRESS FRAMES



- Maximum door opening size:
8'-0" (2438) x 8'-0" (2438)
- Jamb depth: 4 3/4" (121) to 12 3/4 (324)
- Frame steel thickness: 16 gage or 14 gage
- Frames are provided for listing vertical rod fire exit hardware strikes
- For use with Premier classified double egress fire doors
- Maximum rating: 1 1/2 hours

FIRE WINDOW FRAMES



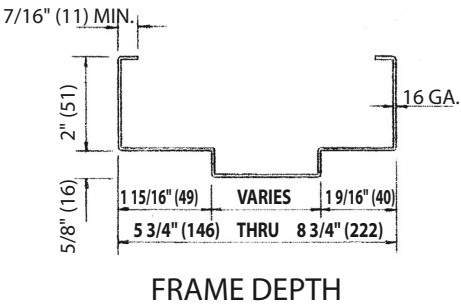
- Maximum overall frame size:-
13'-6" (4115) wide x 12'-0" (3658) high (see rating)
- Jamb depth: 4 3/4" (121) to 12 3/4 (324)
- Frame steel thickness: 16 gage or 14 gage
- Rating
3/4 hour frame installed in a masonry opening with a masonry sill shall not exceed 13'-6" (4115) wide x 12'-0" (3658) high
3/4 hour frame installed in a drywall opening with a masonry sill shall not exceed 10'-0" (3048) wide x 5'-1" (1549) high
1 hour frame installed in a masonry opening with a masonry sill shall not exceed 10'-2" (3099) wide x 10'-1" (3073) high
1 hour frame installed in a drywall opening with a masonry sill shall not exceed 10'-2" (3099) wide x 10'-1" (3073) high
1 hour frame installed in a drywall opening on all sides shall not exceed 9'-2 1/2" (2807) wide x 4'-11 1/4" (1511) high

Fire Window Glazing			
Maximum Rating	1/4 Hour		1 Hour
Maximum Area (sq.in.)	1296 (836,127)	4704 (3,034,833)	2721 (1,755,480)
Maximum Width	54" (1372)	98" (2489)	54 (1372)
Maximum Height	54" (1372)	98" (2489)	77 1/4" (1975)
Glazing	1/4" (6) thick listed wire glass	1/4" (6) thick Pilkington wired glass with Pemko FG3000 glazing compound	1/16" (5) thick "Firelite" ceramic glass with DAP-33, pure silicone or metacaulk 990 glazing compound
Stop Height	3/4" (16)		



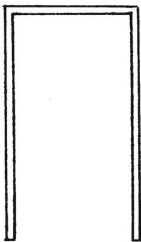
TECHNICAL DATA

Series SWR-F16-4 Door Frames



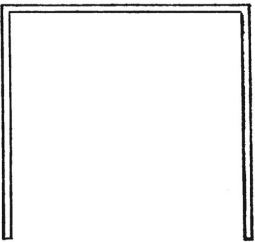
DESIGN PRESSURE CONVERSION	
DESIGN PRESSURE	WIND VELOCITY
50 PSF	142 MPH
55 PSF	148 MPH
65 PSF	161 MPH

SINGLE



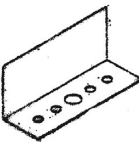
MAXIMUM SIZE	DESIGN PRESSURE
3070	65 PSF
4080	50 PSF

DOUBLE

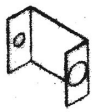


MAXIMUM SIZE	DESIGN PRESSURE
6070	65 PSF

ANCHORS



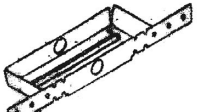
SILL ANCHOR



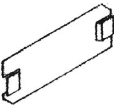
EXISTING WALL ANCHOR



WIRE MASONRY ANCHOR



WOOD/STEEL STUD OR EXISTING WALL ANCHOR

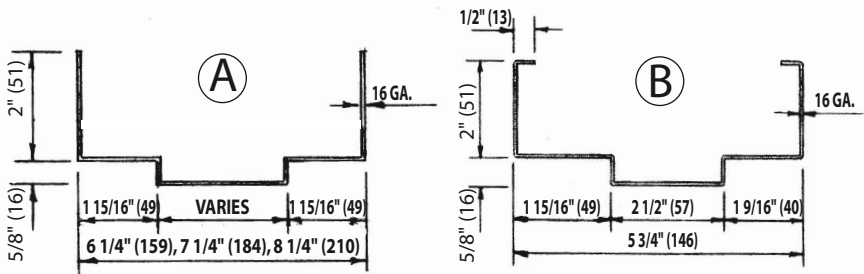


TWIST-IN ANCHOR FOR SUB-JAMB



TECHNICAL DATA

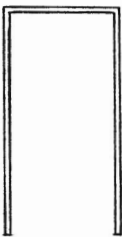
Series SWR-F16-4 Doors Frames
For Metal Buildings



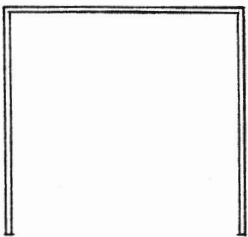
FRAME DEPTH

DESIGN PRESSURE CONVERSION	
DESIGN PRESSURE	WIND VELOCITY
25 PSF	100 MPH
50 PSF	142 MPH

SINGLE

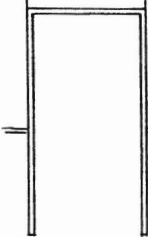


DOUBLE

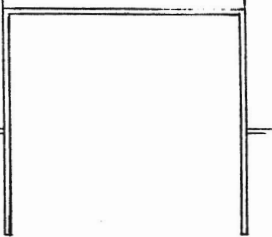


WITH INTERMEDIATE GIRT

SINGLE



DOUBLE



SWING		FRAME TYPE		MAXIMUM SIZE	DESIGN PRESSURE
SINGLE	PAIRS	(A)	(B)		
●		●	●	4080	25 PSF
	●	●	●	6070	

SWING		FRAME TYPE		MAXIMUM SIZE	DESIGN PRESSURE
SINGLE	PAIRS	(A)	(B)		
●		●	●	4080	50 PSF
	●	●	●	6070	

Door frames were tested at an independent testing laboratory and are classified and comply with Underwriters Laboratories, Inc. follow-up procedure. Test specimens were evaluated in accordance with test procedures; ANSI A250. 13-03, ASTM E330-02, ASTM E1886-02, ASTM E1996-02, and Florida Building Code TAS 201, 202, and 203.