

ADAMS RITE - RITE DOOR
RITE DOOR MAXIMUM SIZES / FIRE LABELING GUIDELINES
 As tested by Intertek Testing Services (Warnock Hersey)
As of 07/27/2009

Door - Honeycomb Core Construction

Application	Maximum Size	Hourly Rating
Single Door	4'0" wide x 8'0" high	Up to 3 hour
	4'3" wide x 9'0" high	Up to 1 1/2 hour
Pair	8'0" wide x 8'0" high	Up to 3 hour
	8'6" wide x 9'0" high	Up to 1 1/2 hour
Double Egress	8'0" wide x 8'0" high	Up to 3 hour
	8'6" wide x 9'0" high	Up to 1 1/2 hour

Notes:

01. HPL is available with the honeycomb core.
02. No astragal is required on pairs or double egress door openings up to and including 3 hours on Honeycomb Core Doors.

Door – Steel Stiffened Core Construction

Application	Maximum Size	Hourly Rating
Single Door	4'0" wide x 10'0" high	Up to 3 hour
	5'0" wide x 10'0" high	Up to 1 1/2 hour
Pair	8'0" wide x 10'0" high	Up to 3 hour
	10'0" wide x 10'0" high	Up to 1 1/2 hour
Double Egress	8'0" wide x 10'0" high	Up to 3 hour
	*10'0" wide x 10'0" high	Up to 20 minutes

Notes:

01. *Please note that the frame is only available up to 20 minute fire rating.
02. HPL is not available on Steel Stiffened Core Doors.
03. No astragal is required on pairs or double egress door openings up to and including 3 hours on Steel Stiffened Core Doors.

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Door – Temperature Rise Core Construction (250° & 450°)

Application	Maximum Size	Hourly Rating
Single Door	4'0" wide x 8'0" high	45, 90, & 3 hr.
Pair	8'0" wide x 8'0" high	45, 90, & 3 hr.
Double Egress	8'0" wide x 8'0" high	45, 90, & 3 hr.

Notes:

01. A 60 minute fire label for temperature rise core doors is not available.
02. HPL is not available with Temperature Rise Core Construction.
03. No astragal is required on pairs or double egress door openings up to and including 1-1/2 hours on Temperature Rise Core Doors.

Door – Temperature Rise Core /Steel Stiffened Construction (450°)

Application	Maximum Size	Hourly Rating
Single Door	4'0" wide x 10'0" high	45, 90, & 3 hr.
	5'0" wide x 10'0" high	45 min. & 1 1/2 hr.
Pair	8'0" wide x 10'0" high	45, 90 & 3 hr.
	10'0" wide x 10'0" high	45 min. & 1 1/2 hr.
Double Egress	8'0" wide x 10'0" high	45, 90, & 3 hr.

Notes:

01. A 60 minute fire label for temperature rise core doors is not available.
02. HPL is not available on Steel Stiffened Core Doors.
03. No astragal is required on pairs or double egress door openings up to and including 3 hours on Steel Stiffened Core Doors.

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Hollow Metal Frames -

Application	Maximum Size	Hourly Rating
Single Door	4'-0" wide x 10'-0" high	Up to 3 hour
	5'-0" wide x 10'-0" high	Up to 1 1/2 hour
Pair	8'-0" wide x 10'-0" high	Up to 3 hour
	10'-0" wide x 10'-0" high	Up to 1 1/2 hour
Double Egress	8'-0" wide x 10'-0" high	Up to 3 hour
	8'-0" wide x 10'-0" high	45 Min to 1 1/2 hour
	10'-0" wide x 10'-0" high	20 Minutes

Notes:

01. Frames with cased open hinge jambs are available up to an hourly rating of 3 hours with a listed continuous hinge.
 02. Cased open heads with a removable stop are available.
 03. For 3 hour locations, frames over 8' high must be fully grouted or welded.
- * 3 hour fire rated frames for drywall wall minimum 8-3/4" jamb depth. The wall is to be constructed with a minimum of 3 layer of 5/8" gypsum board per each side.

*Jamb depth limitations for fire label are as follows:

Double Rabbet – 4-3/4" to 14"

Single Rabbeted – 3" to 14"

Cased Opening – 4" to 14"

Double Egress – 4-3/4" to 14"

- Return (Back Bends) limitations:
All Frame Profiles: 1/4" min to 3/4" max
- Face dimensions limitations:
Double Rabbet/Single Rabbet/Cased Open: 1-1/4" min up to 4" max
Double Egress: 1-3/8" min up to 4" max

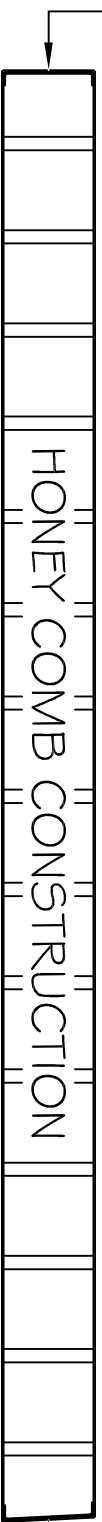


CONSTRUCTION

Hollow Metal Doors-Honeycomb Composite Construction

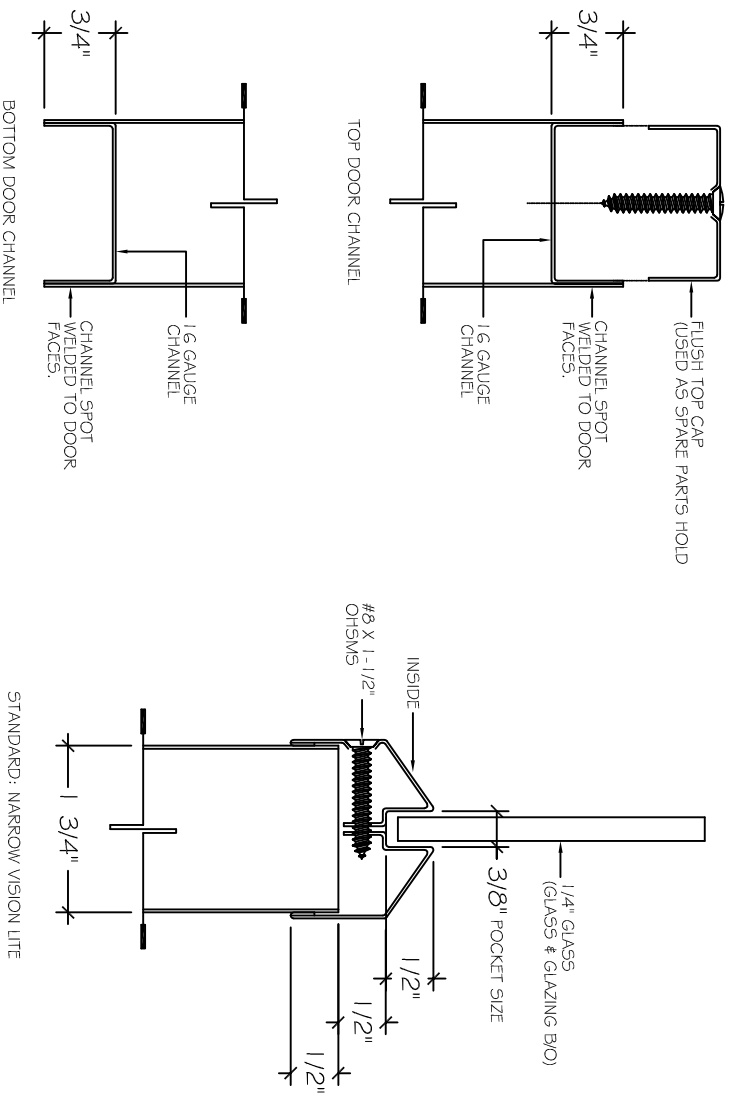
- 1. Materials:** Face sheets are made of 18 or 16 gauge commercial quality, level sheet steel conforming to ASTM A 366 Cold Rolled or Galvanized steel. Tested with Warnock Hersey in accordance with ASTM E-152, CAN S-104, CSFM 43.7, NFPA252, UBC 43.2, UL10B and UL10C. The RITE Door® exceeds all requirements of SDI 100.
- 2. Construction:** Door edges are a welded construction with no visible seams or joints on their faces. Minimum door thickness is 1 ¾". Edges are constructed standard with a square hinge edge and a 1/8" in 2" bevel at the lock edge.
- 3.** The standard 18 gauge door comes with a resin impregnated honeycomb core bonded into position with contact adhesive. This door may also be ordered with special cores for temperature rise ratings or special STC sound ratings.
- 4.** Top and bottom edges of all doors are closed with a continuous recessed steel channel not less than 16 gauge, extending the full width of the door and spot welded to both faces. Openings are provided in the bottom closure of exterior doors to permit the escape of entrapped moisture.
- 5.** The RITE Door is provided with an installed fire-rated top rod only vertical rod panic exit device, dual lever, push-pull auto flushbolt. The RITE Door may be provided with an installed continuous hinge or it can be prepared for butt hinges or pocket pivots. The RITE Door is also provided with surface applied or pocketed-type closers or it can be prepped for *concealed overhead (*supplied by others). The following RITE Door hardware is shipped along loose to be field installed: Closers, Mag Holder, Full Surface, Half Surface hinges, D3080 Series trim.
- 6. Hardware Reinforcements:** Continuous hinge reinforcement 12 gauge. Hinge and pivot reinforcements 7 gauge. Reinforcements for lock face, flush bolts, concealed stops & closers 11 gauge. Surface mounted closers 14 gauge. All other hardware reinforcements 14 gauge.
- 7. Glass Moldings:** The RITE Door is provided with an installed Vision Lite Kit. Glass and glazing is supplied by others. Fixed moldings are integral with the door skin on the security side (optional).
- 8. Finish:** After fabrication, all tool marks and surface imperfections are dressed, filled and sanded as required to make all faces and vertical edges smooth, and level. The RITE Door is then chemically treated to insure maximum paint adhesion and coated, on all exposed surfaces, with a rust inhibitive primer which is fully cured before shipment.
The RITE Door may also be prefinished to match existing paints.
The RITE Door may also have Wilsonart High Pressure Laminates applied to the faces of the door and maintain up to a 3-Hour fire rating.
The RITE Door is available with CURRiStain (CURRiStain max size = 4'0" X 9'0" and only available with exposed hairline seam on center of door edge).

- STANDARD:
- 12 GAUGE REINFORCEMENT
 - SQUARE HINGE EDGE
 - INTERMITTENT EDGE WELD, FILLED & GROUND SMOOTH.



- STANDARD:
- 14 GAUGE REINFORCEMENT
 - 1/8" IN 2" BEVEL (LOCK SIDE)
 - INTERMITTENT EDGE WELD, FILLED & GROUND SMOOTH.

- 7 GAUGE REINFORCEMENT FOR BUTT & POCKET PIVOT HINGES (PREP ONLY, HINGES BY OTHERS).
- 14 GAUGE REINFORCEMENT FOR ALL SURFACE MOUNTED HARDWARE.



STANDARD: NARROW VISION LITE

RITE DOOR 18 GA. HNY CMB SECTION

PROJECT:
JOB NO.:
CUSTOMER:

PAGE: OF



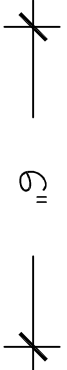
CONSTRUCTION

Hollow Metal Doors-Steel Stiffened Construction

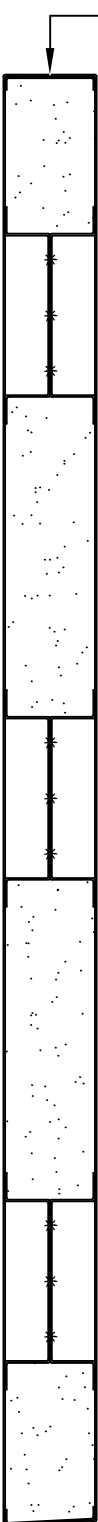
1. **Materials:** Face sheets are made of 16 or 18 gauge commercial quality, level sheet steel conforming to ASTM A 366 Cold Rolled or Galvanized steel. Tested with ITS/Warnock Hersey in accordance with ASTM E-152, CAN S-104, CSFM 43.7, NFPA252, UBC 43.2, and UL10B and UL10C. The RITE Door® exceeds all requirements of SDI 100.
2. **Construction:** Door edges are a welded construction with no visible seams or joints on their faces or edges. Minimum door thickness is 1 ¾". Edges are constructed standard with a square hinge edge and a 1/8" in 2" bevel at the lock edge. Door faces are joined at the vertical edges by a tack weld 4" O.C. the full height of the door. All such welds are ground, filled and dressed smooth to make them invisible and provide a smooth flush surface.
3. Face sheets are stiffened by continuous vertical formed steel that sections spanning the full thickness of the interior space between door faces. The stiffeners are 22 gauge, spaced not more than 6" apart and securely attached to the face sheets by spot welds not more than 6" on center. Spaces between stiffeners are sound deadened and insulated the full height of the door with a .75 pound density fiberglass non-combustible batt-type material.
4. Top and bottom edges of all doors are closed with a continuous recessed steel channel not less than 16 gauge, extending the full width of the door and spot welded to both faces. Openings are provided in the bottom closure of exterior doors to permit the escape of entrapped moisture.
5. The RITE Door is provided with an installed fire-rated top rod only vertical rod panic exit device, dual lever, push-pull or auto flushbolt. The RITE Door may be provided with an installed continuous hinge, or it can be prepared for *butt hinges or *pocket pivots (*supplied by others). The RITE Door is also provided with surface applied or pocketed-type closers only or can be prepped for *concealed O.H stops (*supplied by others). The following RITE Door Hardware is shipped along loose to be field installed: Closers, Mag Holder, Full Surface, Half Surface hinges.
6. **Hardware Reinforcements:** continuous hinge reinforcement 12 gauge. Hinge and pivot reinforcements 7 gauge. Reinforcements for lock face, flush bolts, concealed holders & closers 11 gauge. Surface mounted closers 14 gauge. All other hardware reinforcements 14 gauge.
7. **Glass Moldings:** The RITE Door is provided with an installed Vision Lite Kit. Glass and glazing to be supplied by others. Fixed moldings are integral with the door skin on the security side (optional).
8. **Finish:** After fabrication, all tool marks and surface imperfections are dressed, filled and sanded as required to make all faces and vertical edges smooth, and level and free of all irregularities. The RITE Door is then chemically treated to insure maximum paint adhesion and coated, on all exposed surfaces, with a rust inhibitive primer which is fully cured before shipment.
The RITE Door may also be pre-finished to match existing paints. (Tnemec only)
The RITE Door may also have High Pressure Laminates applied to the faces of the door and maintain up to a 3 hour fire rating.
The RITE Door is not available with CURRIStain on a steel stiffened core.

STEEL STIFFENED CONSTRUCTION

- STANDARD:
- 12 GAUGE REINFORCEMENT
 - SQUARE HINGE EDGE
 - INTERMITTENT EDGE WELD, FILLED & GROUND SMOOTH.



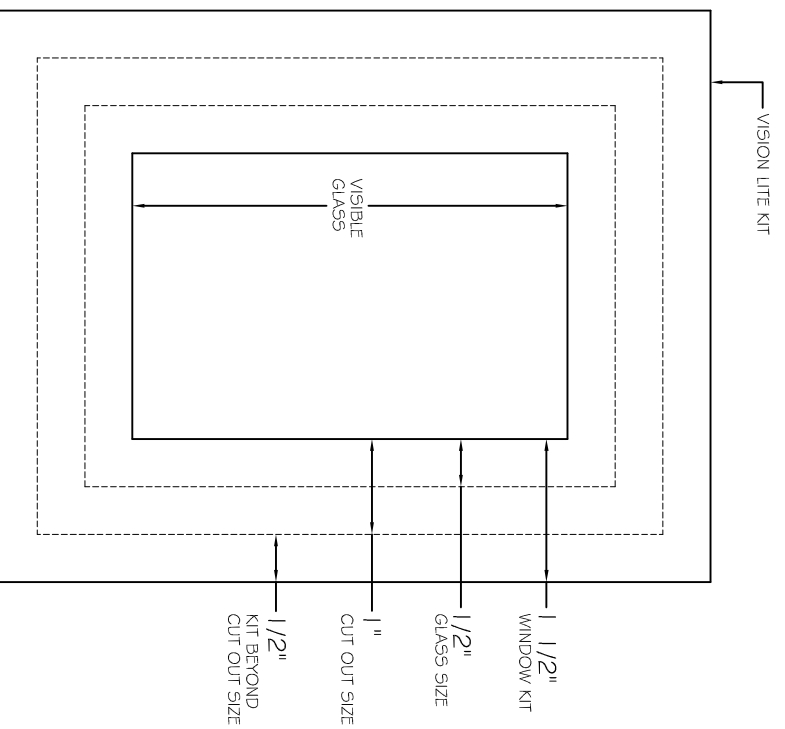
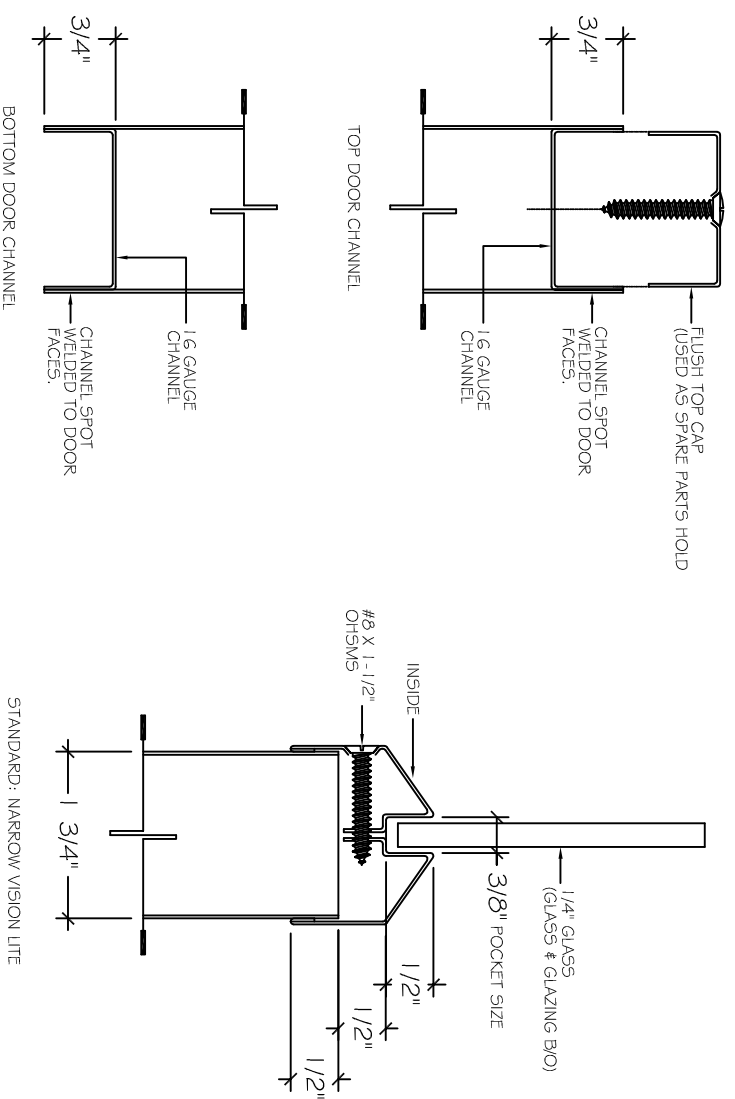
- STANDARD:
- 14 GAUGE REINFORCEMENT
 - 1/8" IN 2" BEVEL (LOCK EDGE)
 - INTERMITTENT EDGE WELD, FILLED & GROUND SMOOTH.



- VERTICAL STIFFENER STANDARDS:
- 22 GAUGE (SPOT WELDED TOGETHER)
 - FIBERGLASS BETWEEN STIFFENERS
 - .75 LB. DENSITY.

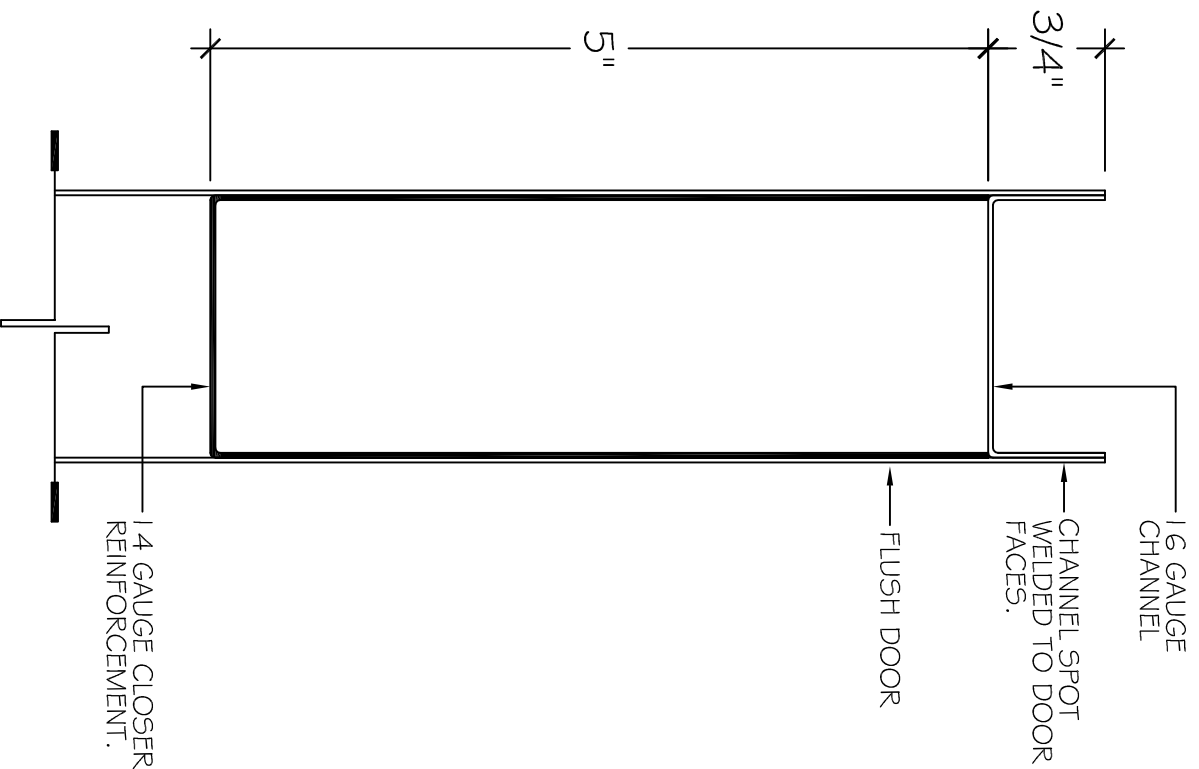
- 7 GAUGE REINFORCEMENT FOR BUTT & POCKET PIVOT HINGES (PREP ONLY, HINGES BY OTHERS).
- 14 GAUGE REINFORCEMENT FOR ALL SURFACE MOUNTED HARDWARE.

- VERTICAL STIFFENER OPTIONS:
- 20 GA., 18 GA., & 16 GAUGE



RITE DOOR 18 GA. STL STIFF SECTION

PROJECT: _____
 JOB NO.: _____
 CUSTOMER: _____



SURFACE DOOR CLOSER NOTES:
 FULL SURFACE CLOSER REINFORCEMENT IS APPLICABLE FOR BOTH PUSH OR PULL MOUNTED APPLICATIONS.

DRILL & TAP FOR DOOR CLOSER FASTENERS.
DO NOT USE THRU-BOLTS

FULL CLOSER REINFORCEMENT

PROJECT: _____
 JOB NO.: _____
 CUSTOMER: _____