

TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

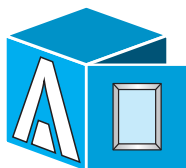
PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

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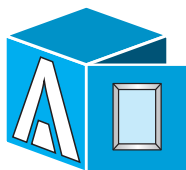
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FOR

METAL VISION FRAMES

DETAIL DRAWING

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LoPro™

LO-PROFILE
METAL VISION FRAME



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS



Intertek
WARNOCK
HERSEY

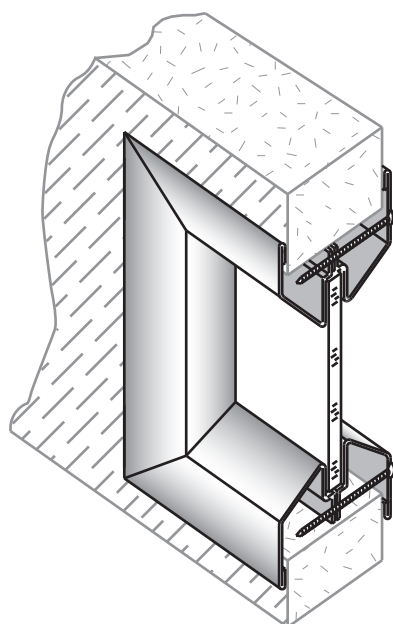
EN-1634

European Standard

B.S.-476.22

British Standard

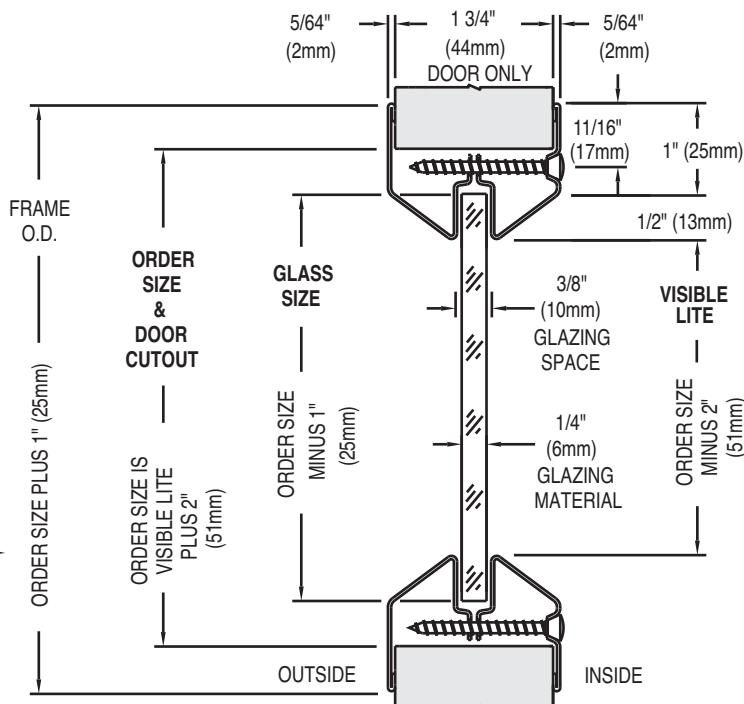
DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$ (1mm)
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

PLEASE NOTE: On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

NEW
Sound Ratings
See LoPro-STC
Page 4



STANDARD PRODUCT FEATURES

- **MATERIAL:** 20 GA. (1mm) Cold Rolled Steel.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** Our most popular product is easy to install and provides a low profile, flush to the door look. Uses 1 3/4" (44mm) sheet metal screws that pass through the door cutout, and fastens to the opposite side of the vision frame, thus eliminating the need to drill the door for thru bolts and saving installation time and labor. It also leaves the corridor side of the frame free of fasteners for added security and a cleaner, more aesthetic appearance.
- **DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- **GLAZING:** Should be 1/4" (6mm) , 3/16" (5mm) or 5/16" (8mm) fire and/or safety rated with U.L. and/or W.H.I. classification markings. Nominal glazing space of 3/8" (10mm) allows for glazing tape to be used on both sides of the glass.
- **AESTHETICS:** Tight mitered corners, beveled glass stop and low profile, provide a clean tapered look.
- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish(Satin), Galvanized(Coil, Hot Dipped, or Zinc Plated) Mill Finish Aluminum-(Not Fire Rated).
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- **FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.
- **SPECIALS:** Fractional Sizes, Lead Lined for X-ray applications. For Special Glass or Door thickness (see FGS-IS or LoPro™-IS). For mullions see (LoPro™-G, FGS-75-G or BFL-123-G.)
- **HM CLIP:** Replaces the need for reinforcing channel see page 37 this section.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

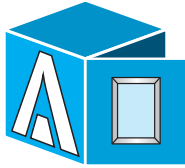
- **20 MINUTE:*** Approved listing at 3204 sq.in. (2.067 m²) visible lite max. width 36" (914mm), max. height 89" (2261mm).
- **45/60 MINUTE:*** Approved listing at 2772 sq.in. (1.788 m²) visible lite max. width 36" (914mm), max. height 77" (1956mm).
- **90 MINUTE:*** Approved listing at 1296 sq.in. (0.836 m²) visible lite max. width 36" (914mm) , max. height 54" (1372mm).
- **3 Hour:*** Approved listing at 100 sq.in. (0.065 m²) visible lite max. width 12" (305mm), max. height 33" (838mm)

* Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

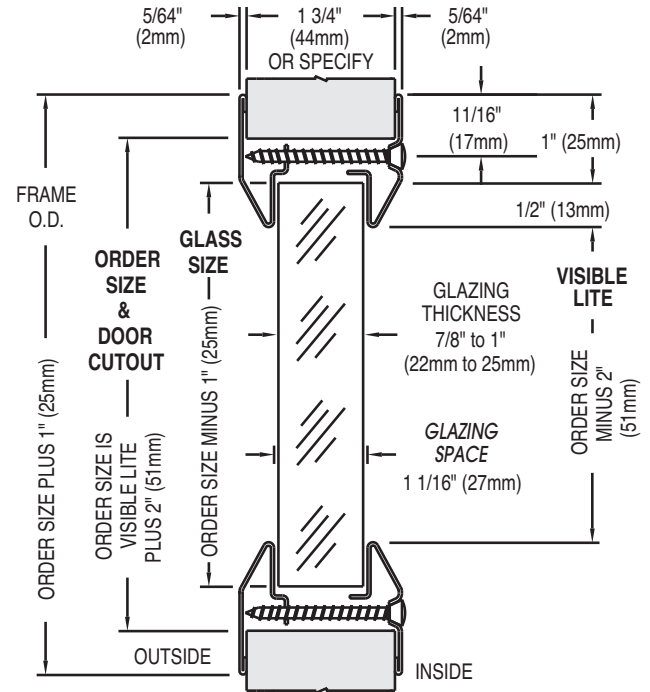
BS 476.22 Timber Doors - 30 min. and 1 hour.
British Standard Steel Doors - 2 hours (4 hours actual).

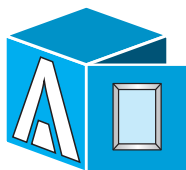
EN-1634 30/60 min. integrity and insulation - Indicative Testing
European Std.

Job Name & Location	Submitted by



e-mail: door@anemostat.com • website: www.anemostat.com





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LoPro™-BB1-MB

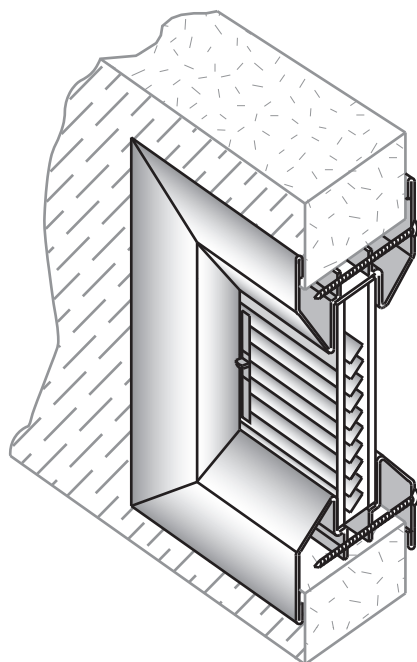
LO-PROFILE
METAL VISION FRAME
WITH
INTERNAL MINI-BLIND
GLASS UNIT

NOT FIRE RATED

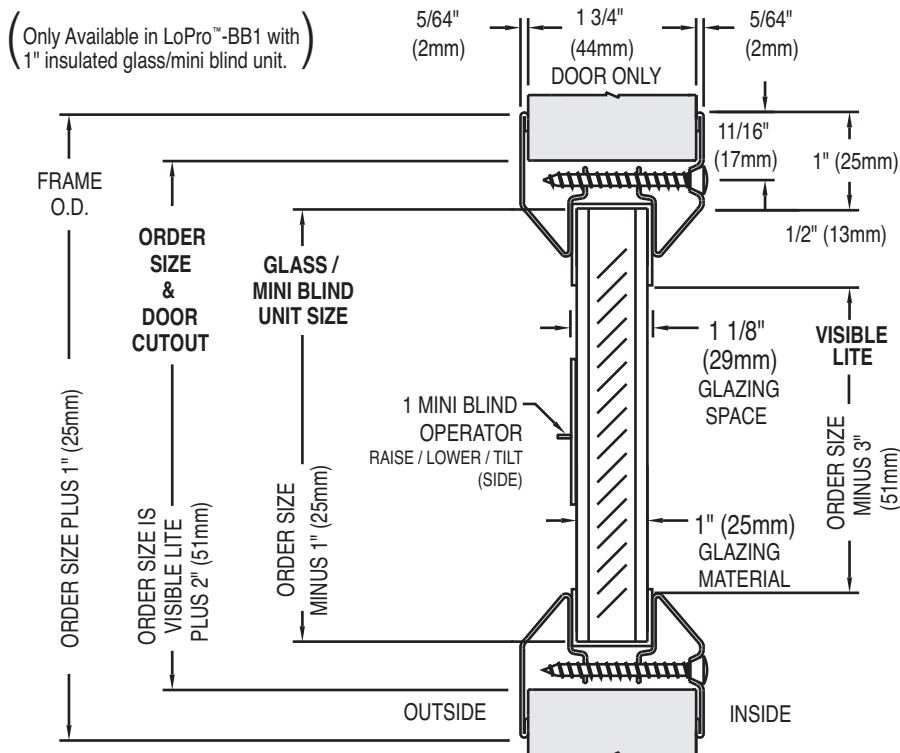
CATEGORY II IMPACT/SAFETY RATED

MINI-BLIND UNIT
PATENT # 5,699,845

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 20 GA. (1mm) Cold Rolled Steel Vision Frame.
- MINI-BLIND:** Available in white only. Internal Mini-Blind with nylon cord, adjustable painted aluminum blades, sealed in clear tempered glass, 1" overall thickness. Blind will raise, lower and tilt. Adds privacy and security.
- SIZES AVAILABLE:**

9"x37"	9"x65"	15"x65"	21"x37"	
(Door Cutout Size) (229 x 940mm)	(229 x 1651mm)	(381 x 1651mm)	(533 x 940mm)	
8"x65"	21"x65"	23"x37"	23"x49"	23"x65"
(203 x 1651mm)	(533 x 1651mm)	(584 x 940mm)	(584 x 1245mm)	(584 x 1651mm)
(tilt only)				

Custom sizes not available.
- FINISH:** Vision Frame: Grey Primer, Beige or Bronze Enamel.
- INSTALLATION:** This product is easy to install and provides a low profile, flush to the door look. Uses 1 3/4" (44mm) sheet metal screws that pass through the door cutout, and fastens to the opposite side of the vision frame, saving installation time and labor. It also leaves the corridor side of the frame free of fasteners for added security and a cleaner, more aesthetic appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal doors.
- AESTHETICS:** Tight mitered corners, beveled glass stop and low profile, provide a clean tapered look.
- USES:** Hospitals, Judicial and Police Facilities, Board Rooms, Offices or anywhere flexible privacy is required.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish(Satin), Galvanized (Coil, Hot Dipped, or Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners available, see page 36 this section.

FIRE RATINGS

- LoPro™-BB1-MB is not fire rated.**

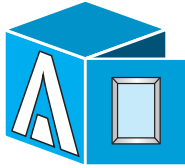
IMPACT / SAFETY RATINGS

- Meets ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II)

CONFORMS TO THE FOLLOWING

- ASTM C 1036
- ASTM C 1048
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

Job Name & Location	Submitted by



TECHNICAL DATA

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Anemostat

Door Products

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LoPro™ -STC

LO-PROFILE STC RATED
METAL VISION FRAME ASSEMBLY

FIRE RATINGS WHERE APPLICABLE



UNDERWRITERS'
LABORATORIES



Intertek
WARNOCK
HERSEY

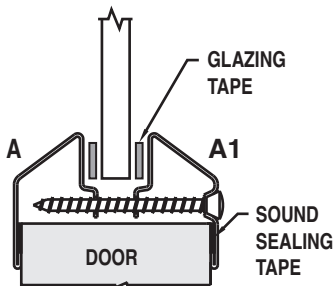


Sound
Transmission
Class

DETAIL DRAWING

PLEASE NOTE: LoPro-STC must be purchased as a complete assembly (LoPro Vision Panel, Glass and Glazing Tape) in order to conform with STC Testing achieved.

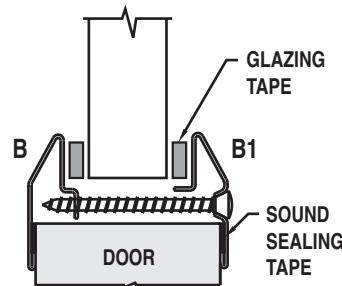
Lo-Pro AA1



FIRE / SAFETY RATED

1/4" (6mm) SAFE-Wire
3/16" (5mm) FireLite NT
5/16" (8mm) FireLite Plus

Lo-Pro BB1



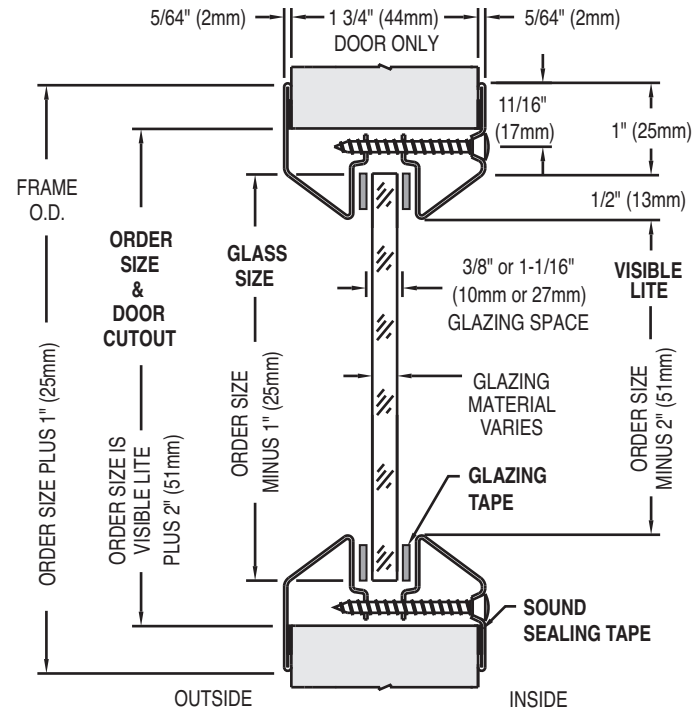
FIRE / SAFETY RATED

1" (25mm) FireLite Plus IGU
7/8" (23mm) Pyrostop 60-101

SAFETY RATED ONLY

1" (25mm) Laminated IGU
1" (25mm) Tempered IGU

Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 20 GA. (1mm) Cold Rolled Steel.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
CAUTION: Sound Sealing Tape should not be exposed to a heat treating process from post factory applied finishes, such as powder coating.
- INSTALLATION:** Our most popular product is easy to install and provides a low profile, flush to the door look. Uses 1 3/4" (44mm) sheet metal screws that pass through the door cutout, and fastens to the opposite side of the vision frame. Vision frame comes with sound sealing tape applied to the underside perimeter of both frame sides.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- GLAZING:** Glass is supplied with GT Glazing Tape for both sides
- AESTHETICS:** Tight mitered corners, beveled glass stop and low profile, provide a clean tapered look.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Coil, or Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.
- SPECIALS:** Fractional Sizes
- HM CLIP:** Replaces the need for reinforcing channel in the door cutout, see page 37 this section.

FIRE RATINGS (w/ U.L. classification markings) Positive Pressure

- See appropriate Glazing Product Tech Data page

SOUND RATINGS

- LoPro-STC with 1/4" (6mm) SAFE-Wire:* STC - 38
- LoPro-STC with 3/16" (5mm) FireLite NT:* STC - 35
- LoPro-STC with 5/16" (8mm) FireLite Plus:* STC - 38
- LoPro-STC with 1" (25mm) FireLite Plus IGU:* STC - 42
- LoPro-STC with 7/8" (23mm) Pyrostop 60-101 23mm:* STC - 41
- LoPro-STC with 1" (25mm) Laminated IGU: STC - 42 (Safety Rated Only)
- LoPro-STC with 1" (25mm) Tempered IGU: STC - 35 (Safety Rated Only)

TESTED SIZE: 24" X 36" (610 X 914mm) CUTOUT / ASSEMBLY

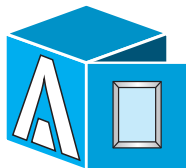
TESTED IN ACCORDANCE WITH: ASTM E90-09 and ASTM E2235-04.

STC measurements determined in accordance with ASTM E413-04.

Testing conducted at Western Electro - Acoustic Laboratory, Santa Clarita, CA.

* Fire Rated - see Glazing Section for ratings and maximum allowable sizes

Job Name & Location	Submitted by



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WoodPro™

LO-PROFILE
METAL VISION FRAME
WITH WOOD VENEER

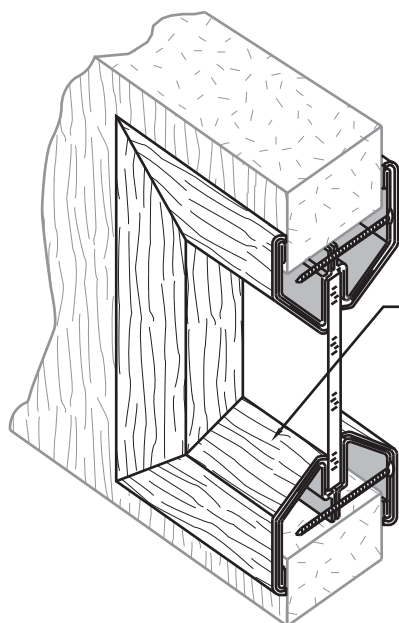
PATENT PENDING



FIRE RATED BY
**UNDERWRITERS'
LABORATORIES**

BSEN 1634-1

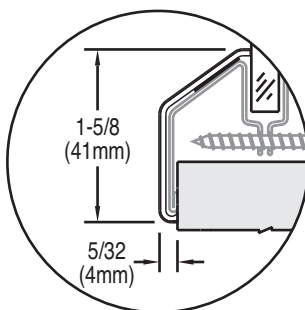
DETAIL DRAWING



REAL WOOD VENEER
OVER PVC PROFILE

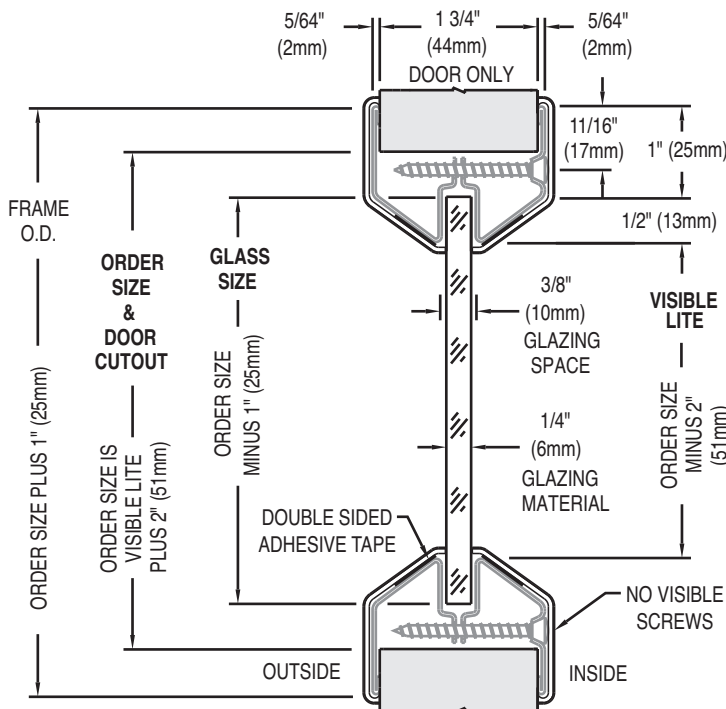
IMPORTANT

- For interior use only.
- Minimum Width of 4" (102mm) Door Cutout
- Maximum Height of 72" (1829mm) Door Cutout



Dimensions for Wood Veneers

Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



Dimensions Shown for LoPro Metal Vision Frame

STANDARD PRODUCT FEATURES

- **MATERIAL:** Frame: 20 GA. (1mm) Cold Rolled Steel (LoPro Vision Frame).
Wood Veneer: PVC and Wood Veneer
- **FINISH:** Unfinished Red Oak, Maple, or Mahogany over Beige Enamel LoPro.
- **INSTALLATION:** WoodPro is easy to install and provides a low profile, flush to the door real wood finish. Uses 1 3/4" (44mm) sheet metal screws that pass through the door cutout, and fastens to the opposite side of the vision frame. The formed wood veneers are pre-mitered with self-adhesive tape for ease of installation. Wood putty or putty stick may be required at miters to fill any small gaps.
- **DOOR THICKNESS:** For 1 3/4" (44mm) Wood Doors.
- **AESTHETICS:** Tight mitered corners, beveled glass stop and a low profile to provide a clean, tapered look. Veneers are unfinished real wood. No Visible Screws after installation.
- **GLAZING:** Glazing Space will vary based on Glazing Material and will determine thickness of Glazing Tape used. Glazing Material should be fire and safety rated for use as a door lite with U.L. markings when used in a fire rated assembly.
- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

OPTIONAL FEATURES

- **SPECIALS:** Veneers sold separately for use on existing LoPros. Consult Factory (Requires a compound miter cut by installer.)

FIRE RATINGS (w/ U.L. classification markings) Positive Pressure

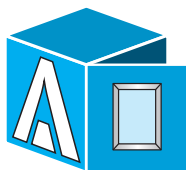
- **20 MINUTE:** Approved listing at 2520* sq. in. (1.626 m²) visible lite. max. width 36" (914mm), max. height 70" (1778mm).
- **45/60 MINUTE:** Approved listing at 2520* sq. in. (1.626 m²) visible lite. max. width 36" (914mm), max. height 70" (1778mm).
- **90 MINUTE:** Approved listing at 1296* sq. in. (0.836 m²) visible lite. max. width 36" (914mm), max. height 54" (1372mm).

*Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

BSEN-1634-1: 2008

- **30 MINUTE:** Approved listing - Tested Size 16" (410mm) x 28" (711mm)
- **PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

Job Name & Location	Submitted by



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StormPro-HR™

LO-PROFILE HURRICANE RATED
METAL VISION FRAME ASSEMBLY

HURRICANE RATED



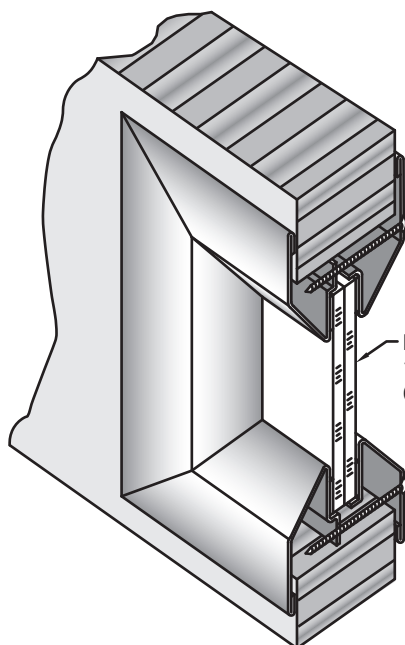
UNDERWRITERS'
LABORATORIES
FILE #R26087



Florida Building Code
Hurricane Approval
FILE #FL11736

NOT FIRE RATED

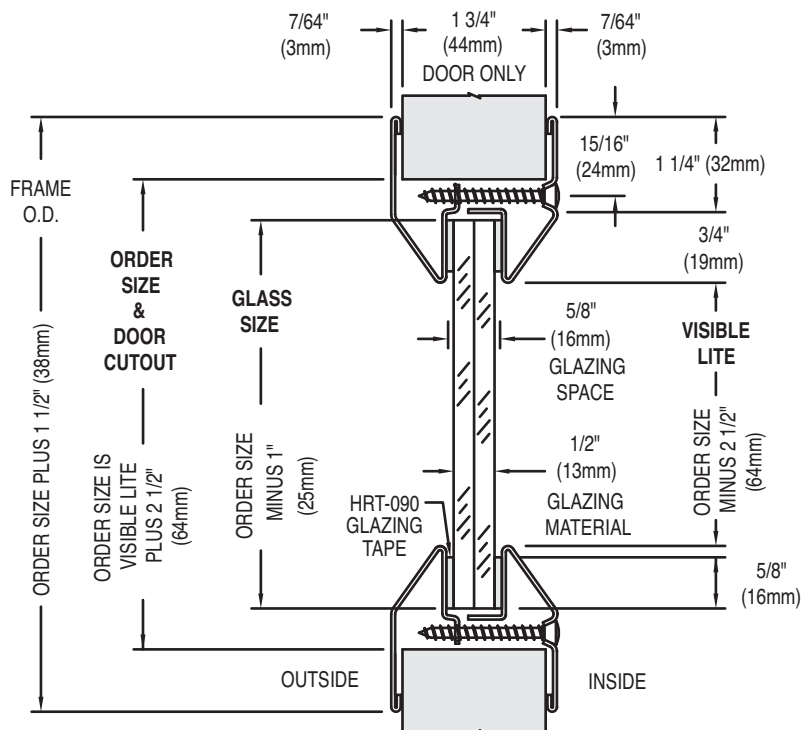
DETAIL DRAWING



ASSEMBLY INCLUDES:
VISION FRAME,
GLAZING TAPE,
GLASS AND FASTENERS

HURRICANE GLASS
1/2" (13mm) LAMINATED
GLASS (INCLUDED)

Anemostat manufacturing dimensions ±1/32
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.25mm) Galvanized Steel, 1/2" (13mm) clear glass and VHB glazing tape.
- FINISH:** Grey Primer, Beige, or Bronze Baked Enamel.
- INSTALLATION:** The StormPro™-HR is easy to install and provides a low profile, flush to the door look. Uses 1-3/4" (44mm) sheet metal screws that pass through the door cutout, and fastens to the opposite side of the vision frame.
5/8 (16mm) x .090 (2.3mm) thick conformable 3M VHB glazing tape is supplied and installed on both sides of the glass.
- DOOR THICKNESS:** For 1-3/4" (44mm) Hurricane Approved Metal doors
- GLAZING:** Glass is comprised of 2 pieces of 3/16" (5mm) clear annealed with a .120 Uvekoi™ "S" clear laminate. Overall glass thickness is 1/2" (13mm).
- AESTHETICS:** Tight mitered corners, beveled glass stop and low profile, provide a clean tapered look.
- MAXIMUM SIZE:** 36" (914mm) wide x 72" (1829mm) tall cutout
visible lite 33-1/2" x 69-1/2" (851 x 1765mm)
- NOTE:** For exterior use, high humidity or salt air application, product must be galvanized or stainless steel.

OPTIONAL FEATURES

- MATERIAL:** #304 Stainless Steel, #4 Finish(Satin), Hot Dipped, or Zinc Plated.
- FINISH:** Special Order Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.
- SPECIALS:** Fractional Sizes

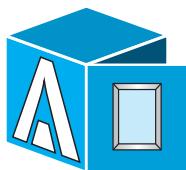
FIRE RATINGS

- StormPro-HR™ is not fire rated**

HURRICANE TEST / WINDSTORM APPROVALS (w/ U.L. marking)

- Successfully tested in accordance with ASTM E1886, E1996 and E330 and ANSI 250.13-Impact 350 FT LBS. (large missile test) Design Pressure: +/- 70 PSF.
- Complies with Florida Building Code Standards
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate Standards.
- ATTENTION:** Must be used in an appropriately tested and hurricane rated door assembly.

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StormPro-HR™-G

LO-PROFILE HURRICANE RATED
METAL VISION FRAME ASSEMBLY
WITH FRENCH DOOR GRILLES

HURRICANE RATED



UNDERWRITERS'
LABORATORIES
FILE #R26087

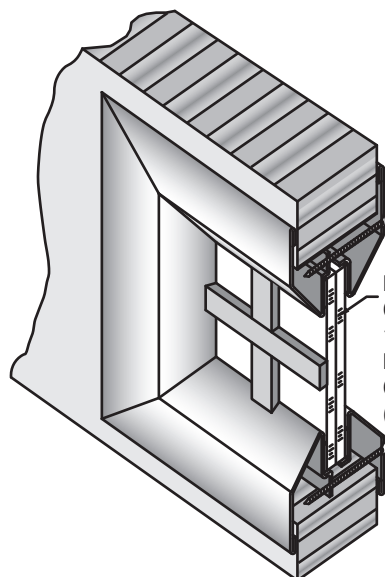


Florida Building Code
Hurricane Approval
FILE #FL11736

NOT FIRE RATED

DETAIL DRAWING

**ASSEMBLY INCLUDES: VISION FRAME,
GLAZING TAPE, GLASS AND FASTENERS**

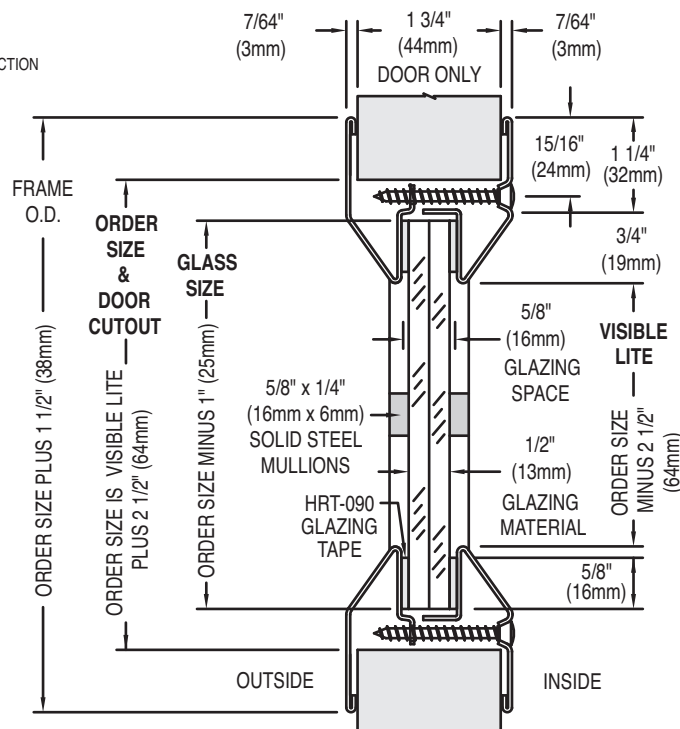
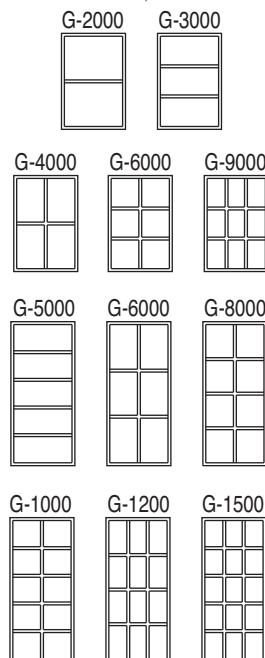


HURRICANE
GLASS,
1/2" (13mm)
LAMINATED
GLASS
(INCLUDED)

Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD GRILLE DESIGNS

CUSTOM DESIGNS AVAILABLE, SEE PAGE 10 THIS SECTION



STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.25mm) Galvanized Steel - Zinc Plated. 1/2" (13mm) Clear Glass and VHB Glazing Tape.
- FINISH:** Grey Primer, Beige, or Bronze Baked Enamel.
- INSTALLATION:** The StormPro-HR™-G is easy to install and provides a low profile, flush to the door look. Uses 1-3/4" (44mm) sheet metal screws that pass through the door cutout, and fastens to the opposite side of the vision frame. 5/8" (16mm) x .090 (2.3mm) thick conformable 3M VHB glazing tape is supplied and installed on both sides of the glass.
- DOOR THICKNESS:** For 1-3/4" (44mm) Hurricane Approved Metal doors
- GLAZING:** Glass is comprised of 2 pieces of 3/16" (5mm) clear annealed with a .120 Uvekol™ "S" clear laminate. Overall glass thickness is 1/2" (13mm).
- AESTHETICS:** Tight mitered corners, beveled glass stop and low profile, provide a clean tapered look.
- MULLIONS:** Mullions are 5/8" x 1/4" (16 x 6mm) solid steel material fully welded to the frame and to all intersecting points of the mullion design, and ground smooth.
- MAXIMUM SIZE:** 36" (914mm) wide x 72" (1829mm) tall cutout visible lite 33-1/2" x 69-1/2" (851 x 1765mm)
- NOTE:** For exterior use, high humidity or salt air application, product must be galvanized or stainless steel.

OPTIONAL FEATURES

- FINISH:** Special Order Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.
- SPECIALS:** Fractional Sizes.

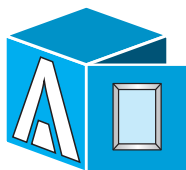
FIRE RATINGS

- StormPro-HR™ is not fire rated**

HURRICANE TEST / WINDSTORM APPROVALS (w/ U.L. marking)

- Successfully tested in accordance with ASTM E1886, E1996 and E330 and ANSI 250.13-Impact 350 FT LBS. (large missile test) Design Pressure: +/- 70 PSF.
- Complies with Florida Building Code Standards
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate Standards.
- ATTENTION:** Must be used in an appropriately tested and hurricane rated door assembly.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

LoPro™ -G

FRENCH DOOR LO-PROFILE
METAL VISION FRAME



UNDERWRITERS'
LABORATORIES

EN-1634

European Standard

FIRE
RATINGS

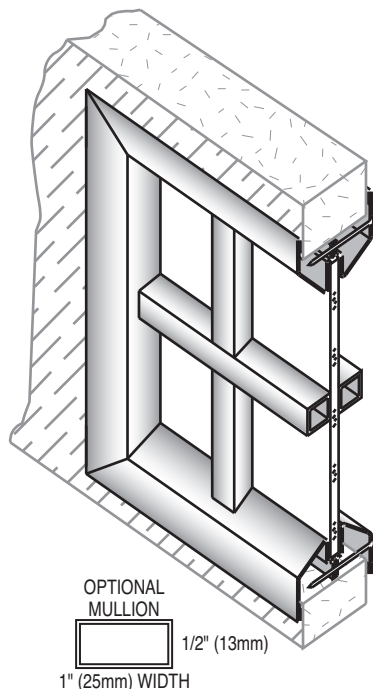


WARNOCK
HERSEY

B.S.-476.22

British Standard

DETAIL DRAWING



STANDARD GRILLE DESIGNS

CUSTOM DESIGNS AVAILABLE, SEE PAGE 10 THIS SECTION

G-2000



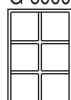
G-3000



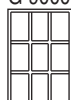
G-4000



G-6000



G-9000



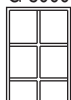
G-5000



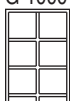
G-6000



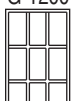
G-8000



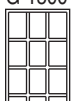
G-1000



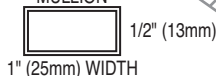
G-1200



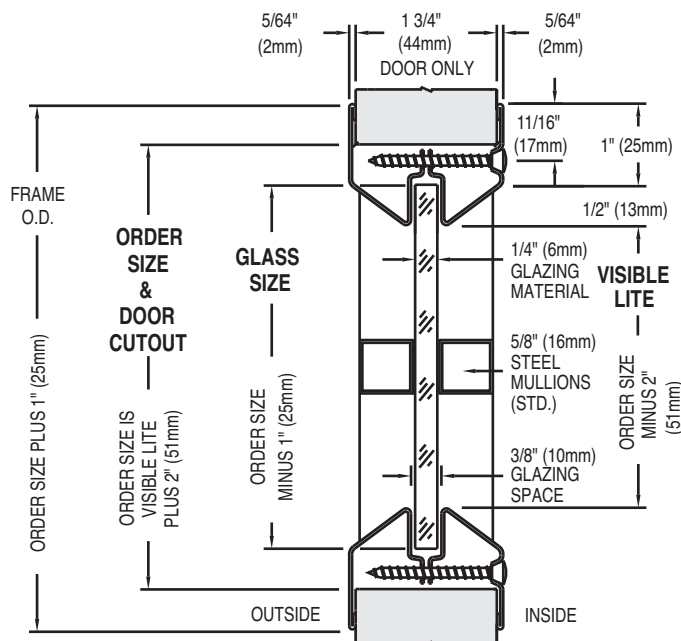
G-1500



OPTIONAL
MULLION



Anemostat manufacturing dimensions 1/32 (0.79mm)
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



(Also Available using
FGS-75 & BFL-123 profiles,
see pages 11 & 12 this section)

STANDARD PRODUCT FEATURES

- MATERIAL:** Frame is 20 GA. (1mm) Cold Rolled Steel.
Mullions are 5/8" x 5/8" (16 x 16mm) steel tube material fully welded to the frame and to all intersecting points of the mullion design, and ground smooth.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** Uses 1 3/4" (44mm) sheet metal screws that pass through the door cutout, and fastens the opposite side of the vision frame, thus eliminating the need to drill the door for thru bolts and saving installation time and labor. It also leaves the corridor side of the frame free of fasteners for added security and a cleaner, more aesthetic appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- GLAZING:** Should be 1/4" (6mm), 3/16" (5mm) or 5/16" (8mm) fire and/or safety rated with U.L. and/or W.H.I. classification markings. Nominal glazing space of 3/8" (10mm) allows for glazing tape to be used on both sides of the glass.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For Exterior use, High Humidity, or Salt Air applications, product must be Galvanized.
- PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

OPTIONAL FEATURES

- MATERIAL:** Galvanized (Hot Dipped or Zinc Plated).
Mullions available in 1/2"x1/2" (13 x 13mm) or 1/2"x1" (13 x 25mm) steel tubing. Other tubing sizes available, consult factory.
- FINISH:** Custom Baked Enamel Colors (per sample chip supplied).
Plated finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, see page 36.
- SPECIALS:** Choose from grille patterns as shown or create your own.
Available for thicker glass.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20 MINUTE:*** Approved listing at 3204 sq.in. (2.067 m²) visible lite max. width 36" (914mm), max. height 89" (2261mm).
- 45/60 MINUTE:*** Approved listing at 2772 sq.in. (1.788 m²) visible lite max. width 36" (914mm), max. height 77" (1956mm).
- 90 MINUTE:*** Approved listing at 1296 sq.in. (0.836 m²) visible lite max. width 36" (914mm), max. height 54" (1372mm).
- 3 Hour:*** Approved listing at 100 sq.in. (0.065m²) visible lite max. width 12" (305mm), max. height 33" (840mm)

* Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

BS 476.22

British Standard

Timber Doors - 30 min. and 1 hour.

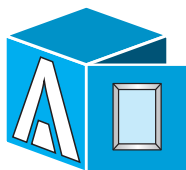
Steel Doors - 2 hours (4 hours actual).

EN-1634

European Std.

30/60 min. integrity and insulation - Indicative Testing

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

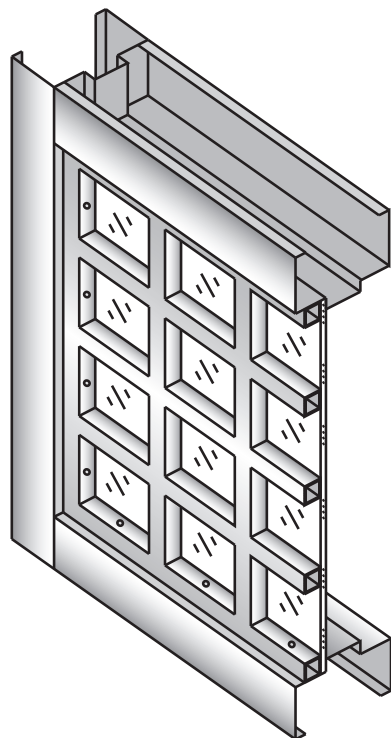
e-mail: door@anemostat.com • website: www.anemostat.com

FM-G

FRAMED MULLION
GRILLE
FOR
SIDELITES AND
BORROWED LITES

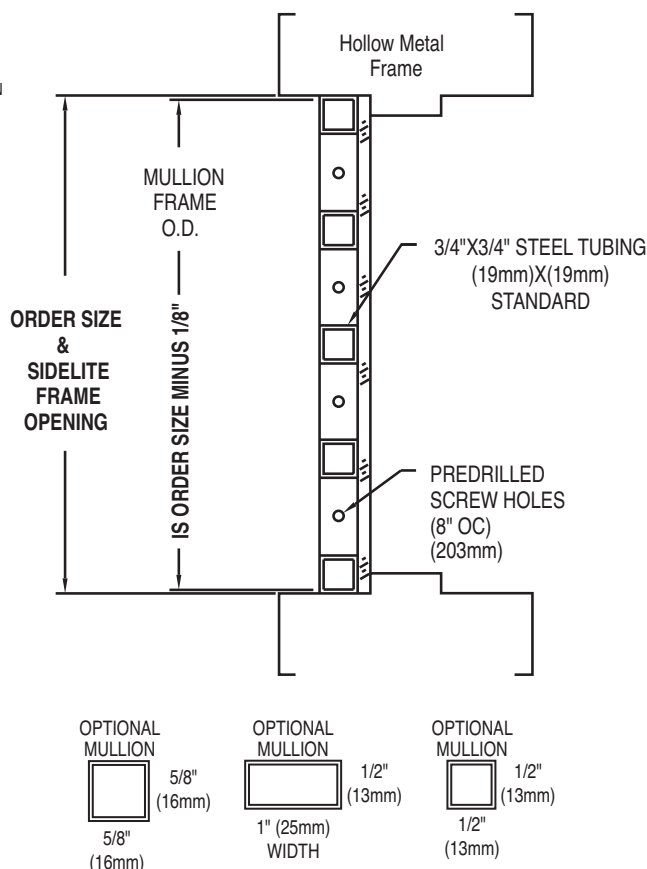
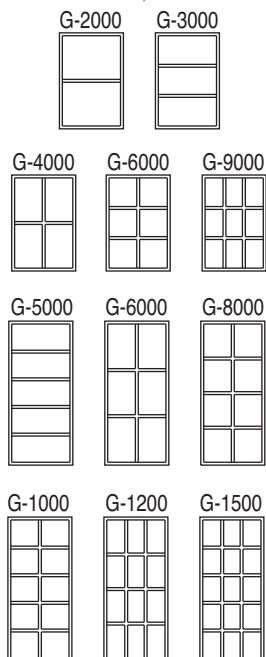
NOT FIRE RATED

DETAIL DRAWING



STANDARD GRILLE DESIGNS

CUSTOM DESIGNS AVAILABLE, SEE PAGE 10 THIS SECTION



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- MATERIAL:** Mullions are 3/4" x 3/4" (19 x 19mm) steel tube material welded at all intersecting points of the mullion design and at all corners.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** Predrilled countersunk mounting holes allow #8x1-1/2" (38mm) phillips head tek screws to fasten directly to the hollow metal frame at 8" OC intervals.
- GLAZING:** Can be any thickness that provides a 3/4" (19mm) spacing allowance for Framed Mullions assembly.
- AESTHETICS:** Tight mitered corners, with welded and ground smooth intersections of all mullions. Provides divided lite design to accent door or storefront installation. (For Metal Vision Frames with mullion design, see LoPro-G, FGS-75-G, or BFL-123-G on pages 8, 11, and 12 this section.)
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized.

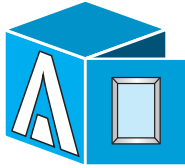
OPTIONAL FEATURES

- MATERIAL:** Galvanized (Hot Dipped or Zinc Plated).
Mullions available in 1/2"x1/2" (25 x 25mm), 5/8"x5/8" (16 x 16mm) or 1/2"x1" (13 x 25mm) steel tubing. Other tubing sizes available, consult factory.
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied).
Plated finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, see page 36, this section.
- SPECIALS:** Choose from grille patterns as shown or create your own (not available round or curved).

FIRE RATINGS

- FM-G is not Fire rated, and does not affect a fire-rated sidelite or borrowed lite.**
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat
Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

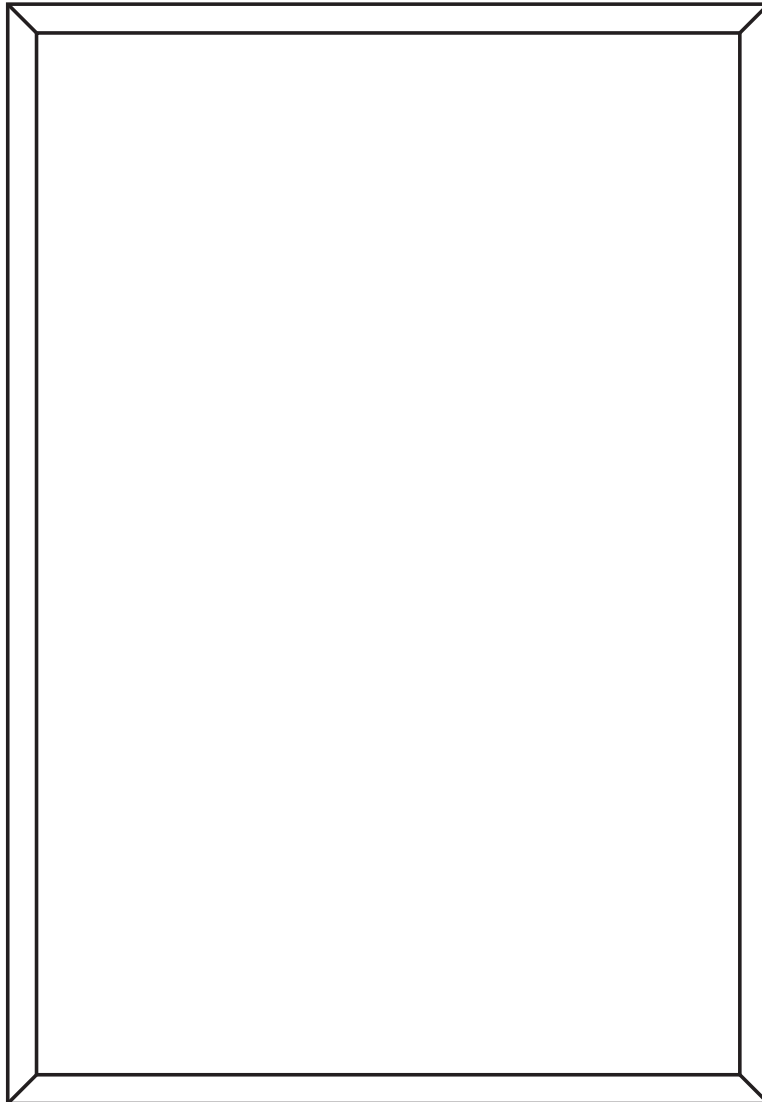
**CUSTOM
MULLION DESIGN
CONFIRMATION
SHEET**

- G KITS

SPECIFY MODEL

DETAIL DRAWING

CUSTOM DESIGNS: (Drawing Required Please Specify ALL Dimensions)



DRAWING # _____

Assigned by Factory

MODEL

☐ LoPro-G

☐ FGS-G

☐ BFL-123-G

☐ BFL-75-G

☐ FM-G

MULLION - Tubing Size

☐ 5/8" x 5/8" (16 x 16mm)
(LoPro™) std.

☐ 3/4" x 3/4" (19 x 19mm)
(BFL-FGS-FMG) std.

☐ 1/2" x 1/2" (13 x 13mm)
(various models)

☐ 1/2" x 1" (13 x 25mm)
(various models)

☐ Other _____ x _____
consult factory

ORDER SIZE (Door Cutout *):

W _____ x H _____

VERTICAL MULLION(S) _____

HORIZONTAL MULLION(S) _____

QUANTITY:

* FMG - Order Size is Frame Opening

PLEASE SIGN AND DATE. Order will not be processed until confirmation is received.

CUSTOMER CONTACT (Please Print)

E-MAIL

COMPANY NAME

CITY

STATE

P.O. NUMBER

FAX

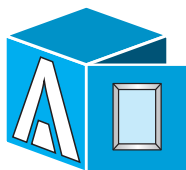
JOB NAME

ORDER MUST BE SIGNED

X

SIGNATURE

DATE



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FGS-75-G

FRENCH DOOR
METAL VISION FRAME



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

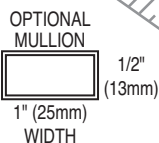
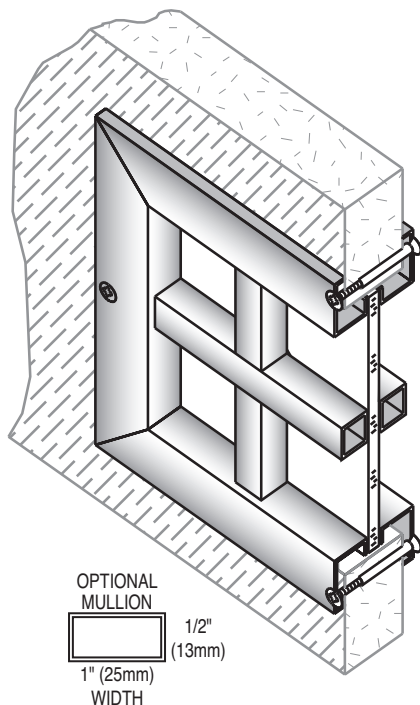


WARNOCK
HERSEY

B.S.-476.22

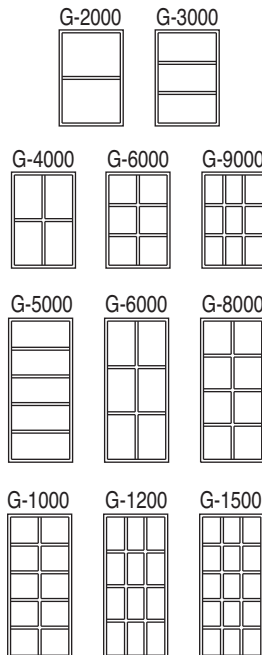
British Standard

DETAIL DRAWING

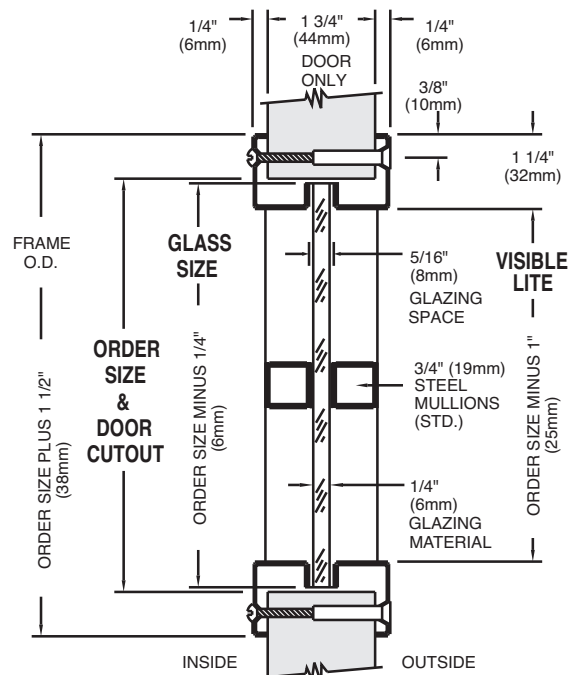


STANDARD GRILLE DESIGNS

CUSTOM DESIGNS AVAILABLE, SEE PAGE 10 THIS SECTION



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



(Also Available using
LoPro & BFL-123 profiles, see
pages 8 & 12 this section)

STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel.
Mullions - are 3/4" x 3/4" (19 x 19mm) steel tube material fully welded to the frame and to all intersecting points of the mullion design, and ground smooth.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout.
Frame has countersunk mounting holes for #8x32 phillips head steel thru bolts with a blank head on one side for flush appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- GLAZING:** Should be 1/4" (6mm) or 3/16" (5mm) fire and/or safety rated with U.L. and/or W.H.I. classification markings. Glazing space of 5/16" (8mm) allows for glazing tape to be used on both sides of the glass.
- AESTHETICS:** Tight mitered corners, 90° angle on glass stop for maximum visible lite area.
- IMPORTANT:** Interpretation of building and fire codes may vary.
Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized.
- PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

OPTIONAL FEATURES

- MATERIAL:** Galvanized (Hot Dipped or Zinc Plated).
Mullions available in 1/2"x1/2", 5/8"x5/8" or 1/2"x1" steel tubing.
Other tubing sizes available, consult factory.
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied).
Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.
- SPECIALS:** Choose from grille patterns as shown or create your own.
Available for thicker glass with 1/2" or 5/8" mullions.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20 MINUTE:*** Approved listing at 3204 sq.in. (2.067 m²) visible lite
max. width 36" (914mm), max. height 89" (2261mm).
 - 45/60 MINUTE:*** Approved listing at 2772 sq.in. (1.788 m²) visible lite
max. width 36" (914mm), max. height 77" (1956mm).
 - 90 MINUTE:*** Approved listing at 1296 sq.in. (0.836 m²) visible lite
max. width 36" (914mm), max. height 54" (1372mm).
 - 3 Hour:*** Approved listing at 100 sq.in. (0.065 m²) visible lite
max. width 12" (305mm), max. height 33" (838mm)
- * Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

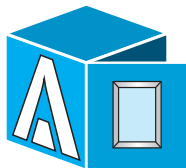
BS 476.22

British Standard

Timber Doors - 30 min. and 1 hour.

Steel Doors - 2 hours (4 hours actual).

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

BFL-123-G

FRENCH DOOR
METAL VISION FRAME



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS



WARNOCK
HERSEY

B.S.-476.22

British Standard

DETAIL DRAWING

STANDARD GRILLE DESIGNS

CUSTOM DESIGNS AVAILABLE, SEE PAGE 10 THIS SECTION

G-2000



G-3000



G-4000



G-6000



G-9000



G-5000



G-6000



G-8000



G-1000



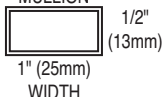
G-1200



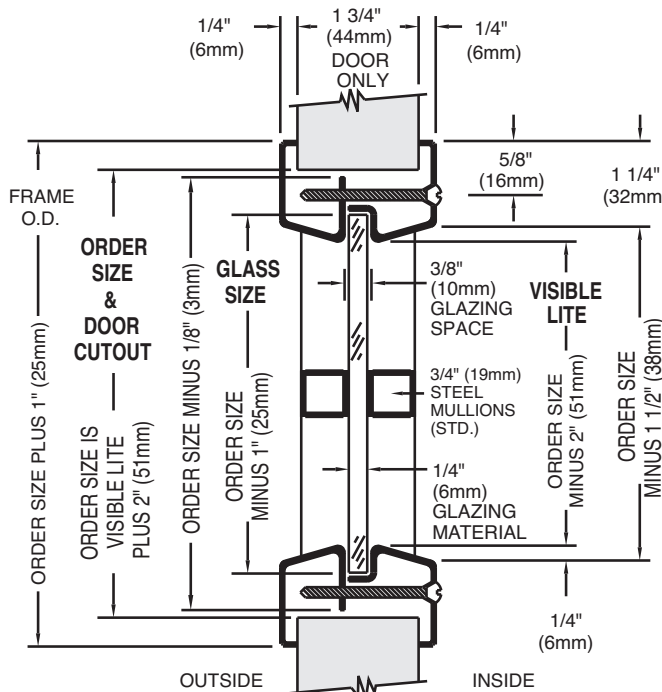
G-1500



OPTIONAL
MULLION



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



(Also Available using
LoPro & FGS-75 profiles, see
pages 8 & 11 this section)

STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel.
Mullions - are 3/4" x 3/4" (19 x 19mm) steel tube material fully welded to the frame and to all intersecting points of the mullion design, and ground smooth.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** Uses 1 3/4" (44mm) sheet metal screws that pass through the door cutout, and fastens the opposite side of the vision frame, thus eliminating the need to drill the door for thru bolts and saving installation time and labor. It also leaves the corridor side of the frame free of fasteners for added security and a cleaner, more aesthetic appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- GLAZING:** Should be 1/4" (6mm) or 3/16" (5mm) fire and/or safety rated with U.L. and/or W.H.I. classification markings. Glazing space of 3/8" (10mm) allows for glazing tape to be used on both sides of the glass.
- IMPORTANT:** Interpretation of building and fire codes may vary.
Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized.
- PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. on 20/45 min. and 100 sq. in. on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

OPTIONAL FEATURES

- MATERIAL:** Galvanized (Hot Dipped or Zinc Plated).
Mullions available in 1/2"x1/2" (13 x 13mm), 5/8"x5/8" (16 x 16mm) or 1/2"x1" (13 x 25mm) steel tubing. Other tubing sizes available, consult factory.
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied).
Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, see page 36.
- SPECIALS:** Choose from grille patterns as shown or create your own.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

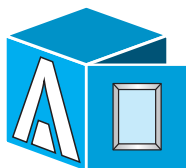
- 20 MINUTE:*** Approved listing at 3204 sq. in. (2.067 m²) visible lite.
max. w 36" (914mm), max. h 89" (2261mm).
- 45/60 MINUTE:*** Approved listing at 2772 sq. in. (1.788 m²) visible lite.
max. w 36" (914mm), max. h 77" (1956mm).
- 90 MINUTE:*** Approved listing at 1296 sq. in. (0.836 m²) visible lite.
max. w 36" (914mm), max. h 54" (1372mm).
- 3 HOUR:*** Approved listing at 100 sq. in. (0.065 m²) visible lite.
max. w 12" (305mm), max. h 33" (838mm).

*Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

BS 476.22

British Standard Timber Doors - 30 min. and 1 hour.
Steel Doors - 2 hours (4 hours actual).

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FGS-75

METAL
VISION FRAME



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

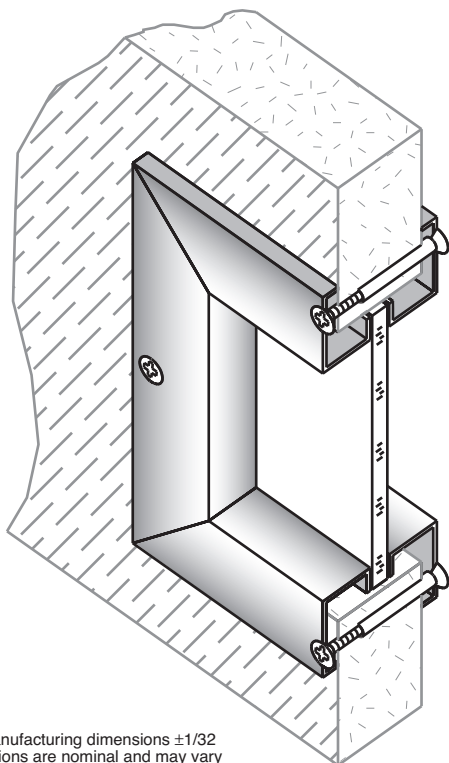


WARNOCK
HERSEY

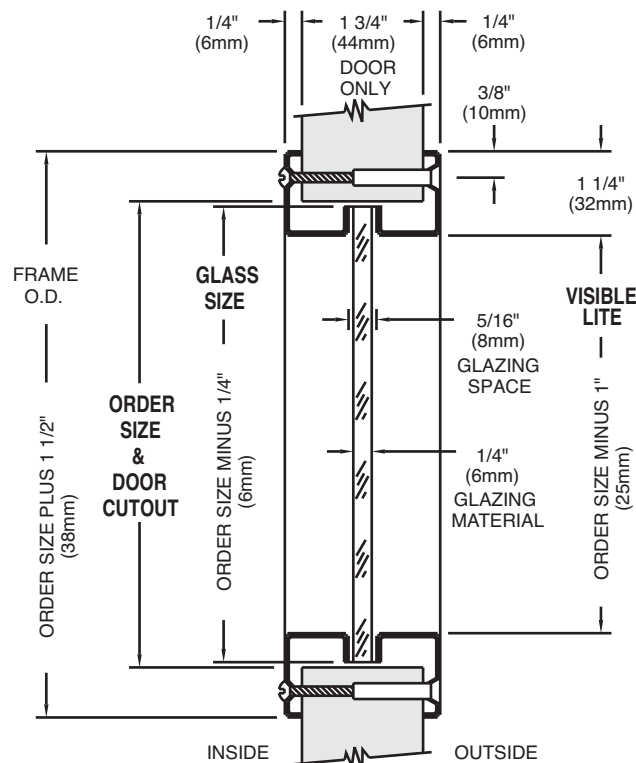
B.S.-476.22

British Standard

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" holes thru the door, around the perimeter of the door cutout.
Frame has countersunk mounting holes for #8x32 phillips head steel thru bolts with a blank head on one side for flush appearance and added security.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- GLAZING:** Should be 1/4" (6mm) or 3/16" (5mm) fire and/or safety rated with U.L. and/or W.H.I. classification markings.
Glazing space of 5/16" (8mm) allows for glazing tape to be used on both sides of the glass.
- AESTHETICS:** Tight mitered corners, 90° angle on glass stop for maximum visible lite area.
- IMPORTANT:** Interpretation of building and fire codes may vary.
Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. on 20/45 min. and 100 sq. in. on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

OPTIONAL FEATURES

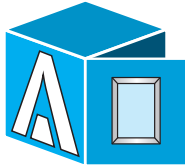
- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish(Satin), Galvanized (Coil, Hot Dipped, or Zinc Plated), Aluminum Mill Finish (not fire rated)
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied).
Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.
- SPECIALS:** Fractional Sizes, Lead Lined for X-ray applications, Glass or Door thickness (see FGS-IS or FGS-DBL).
- HM CLIP:** Replaces the need for reinforcing channel in the door cutout, see page 37 this section.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20 MINUTE:*** Approved listing at 3204 sq.in. (2.067 m²) visible lite max. width 36" (914mm), max. height 89" (2261mm).
 - 45/60 MINUTE:*** Approved listing at 2772 sq.in. (1.788 m²) visible lite max. width 36" (914mm), max. height 77"(1956mm).
 - 90 MINUTE:*** Approved listing at 1296 sq.in. (0.836 m²) visible lite max. width 36" (914mm) , max. height 54" (1372mm).
 - 3 Hour:*** Approved listing at 100 sq.in. (0.065 m²) visible lite max. width 12" (305mm), max. height 33" (838mm)
- * Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

BS 476.22 Timber Doors - 30 min. and 1 hour.
British Standard Steel Doors - 2 hours (4 hours actual).

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

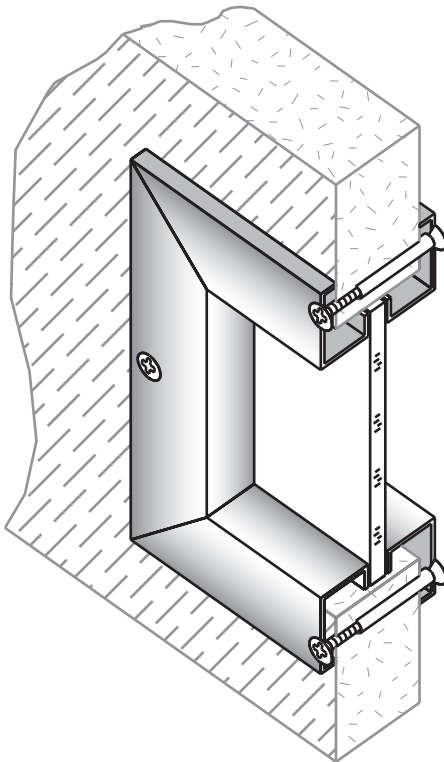
FGS-38

METAL
VISION FRAME

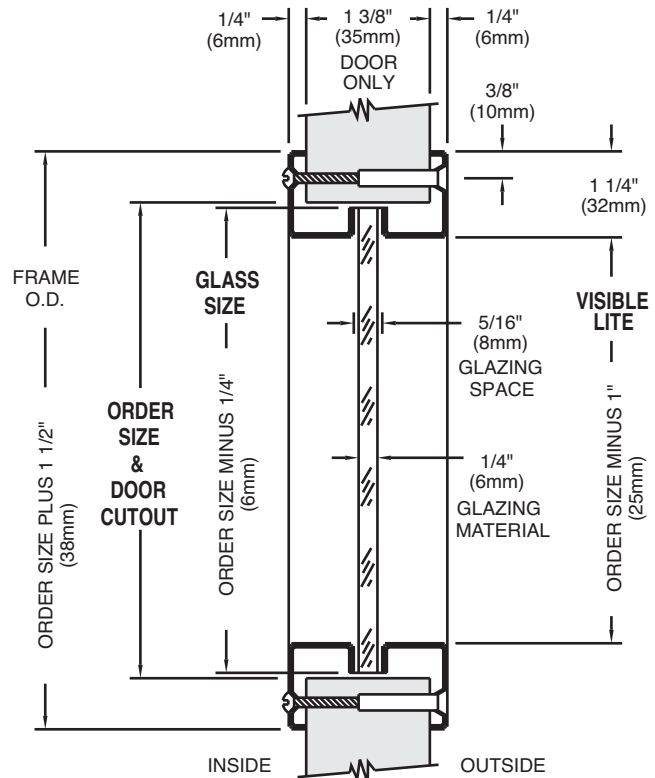
(1 3/8" DOORS)

NOT FIRE RATED

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



For Self-Attaching Installation see **LoPro™-AB1-NR** (page 2)

STANDARD PRODUCT FEATURES

- **MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 phillips head steel thru bolts with a blank head on one side for flush appearance.
- **DOOR THICKNESS:** For 1 3/8" (35mm) only.
- **GLAZING:** Should be 1/4" (6mm) safety rated. Glazing space of 5/16" (8mm) allows for glazing tape to be used on both sides of the glass.
- **AESTHETICS:** Tight mitered corners, 90° angle on glass stop for maximum visible lite area.
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

OPTIONAL FEATURES

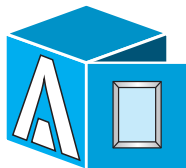
- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish(Satin), Galvanized (Coil, Hot Dipped, or Zinc Plated).
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- **FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.
- **SPECIALS:** Fractional Sizes, Other Glass or Door thickness (see FGS-IS or LoPro™-IS).

FIRE RATINGS

- **FGS-38 is not fire rated.**

- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FGS-IS METAL VISION FRAME FOR SPECIAL GLASS OR DOOR THICKNESS



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

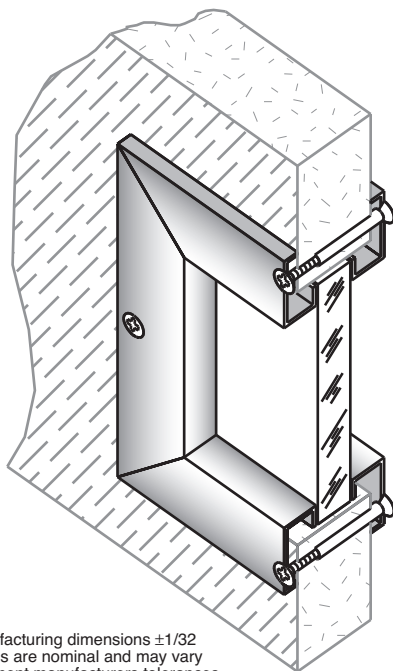


WARNOCK
HERSEY

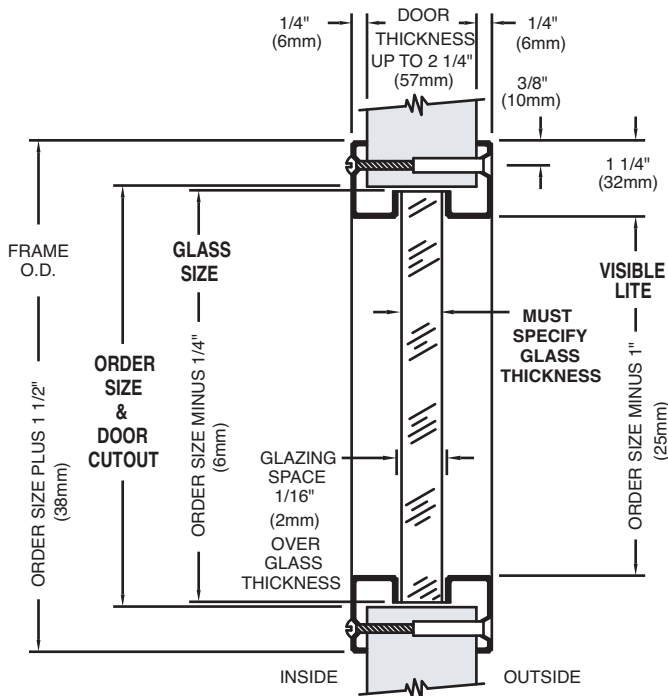
B.S.-476.22

British Standard

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 phillips head steel thru bolts with a blank head on one side for flush appearance and added security.
- DOOR THICKNESS:** 1 3/4" (44mm) is standard. Specified up to 2 1/4" (57mm). Must be 1/4" (6mm) minimum thicker than glass.
- GLAZING:** Thickness can range from over 3/16" (5mm) and up to 1 9/16" (40mm). Glazing space of 1/16" (2mm) over glass thickness is standard, allowing for glazing tape to be used on both sides of the glass. Glazing material should be fire and safety rated with U.L. and/or W.H.I. classification markings.
- AESTHETICS:** Tight mitered corners, 90° angle on glass stop for maximum visible lite area.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. on 20/45 min. and 100 sq. in. on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish(Satin), Galvanized (Coil Hot Dipped, or Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.
- SPECIALS:** Fractional Sizes, Lead Lined for X-ray applications. For mullions (see FGS-IS-G or LoPro™-IS-G).
- HM CLIP:** Replaces the need for reinforcing channel in the door cutout, see page 37 this section.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45/60/90 MINUTE:*** Approved listing at 1080 sq. in. (0.697 m²) visible lite. max. width 36" (914mm), max. height 36" (914mm).
*Must be used with 7/8" (23mm) or 1-1/16" (27mm) Pyrostop and fire listed glazing tape, and be used in an appropriately tested door assembly.
 - 20 MINUTE:**** Approved listing at 3204 sq. in. (2.067 m²) visible lite. max. w 36" (914mm), max. h 89" (2261mm).
 - 45/60 MINUTE:**** Approved listing at 2772 sq. in. (1.788 m²) visible lite. max. w 36" (914mm), max. h 77" (1956mm).
 - 90 MINUTE:**** Approved listing at 1296 sq. in. (0.836 m²) visible lite. max. w 36" (914mm), max. h 54" (1372mm).
 - 3 HOUR:**** Approved listing at 100 sq. in. (0.065 m²) visible lite. max. w 12" (305mm), max. h 33" (838mm).
- **Must be used with FIRELITE IGU 1" (25mm) Cat II or FIRELITE Plus and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

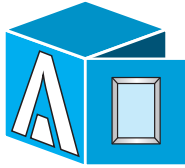
BS 476.22

British Standard

Timber Doors - 30 min. and 1 hour.

Steel Doors - 2 hours (4 hours actual).

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

BFL-123

METAL
VISION FRAME



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

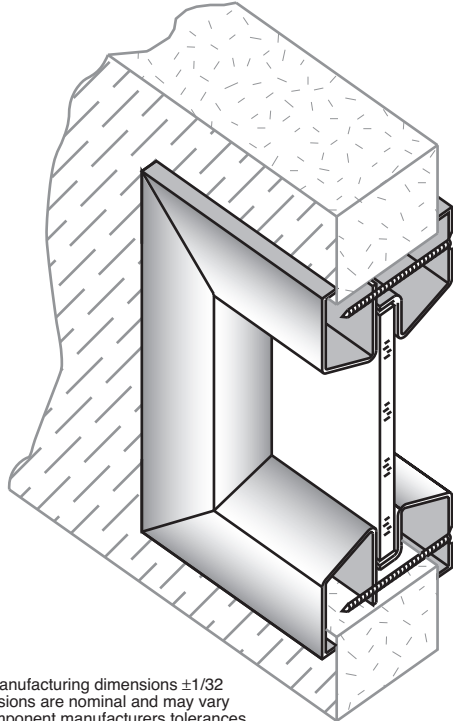


WARNOCK
HERSEY

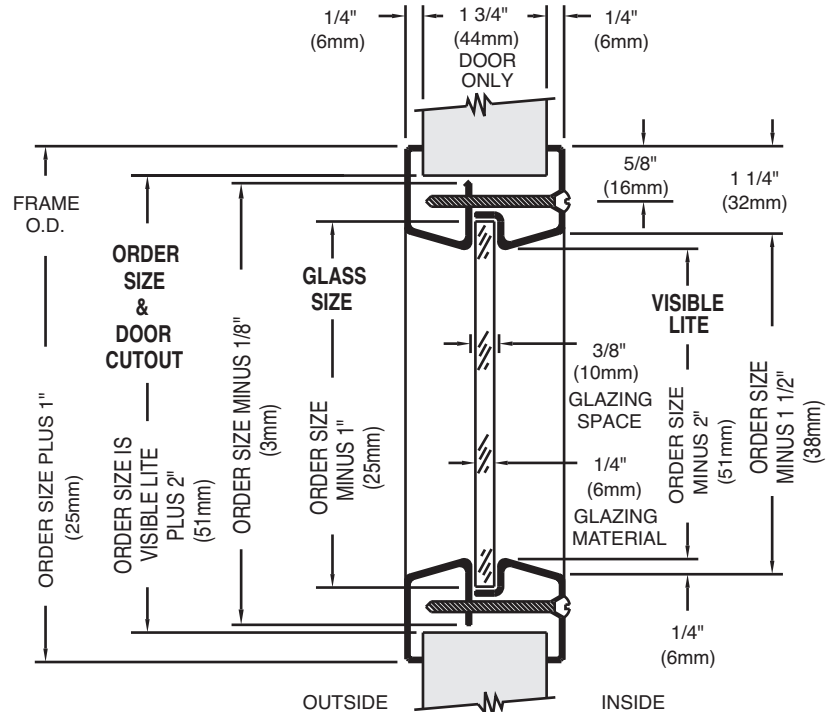
B.S.-476.22

British Standard

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** Uses 1 3/4" (44mm) sheet metal screws that pass through the door cutout, and fastens to the opposite side of the vision frame, thus eliminating the need to drill the door for thru bolts and saving installation time and labor. It also leaves the corridor side of the frame free of fasteners for added security and a cleaner, more aesthetic appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- GLAZING:** Should be 1/4" (6mm) or 3/16" (5mm) fire and/or safety rated with U.L. and/or W.H.I. classification markings. Glazing space of 3/8" (10mm) allows for glazing tape to be used on both sides of the glass.
- AESTHETICS:** Tight mitered corners, beveled glass stop for a clean tapered look.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836m²) on 20/45 min. and 100 sq. in. (0.065m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish(Satin), Galvanized (Coil, Hot Dipped, or Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.
- SPECIALS:** Fractional Sizes, Lead Lined for X-ray applications, Glass or Door thickness (see FGS-IS or LoPro-IS).
- HM CLIP:** Replaces the need for reinforcing channel in the door cutout, see page 37 this section.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20 MINUTE:*** Approved listing at 3204 sq.in. (2.067 m²) visible lite max. width 36" (914mm), max. height 89" (2261mm).
- 45/60 MINUTE:*** Approved listing at 2772 sq.in. (1.788 m²) visible lite max. width 36" (914mm), max. height 77" (1956mm).
- 90 MINUTE:*** Approved listing at 1296 sq.in. (0.836 m²) visible lite max. width 36" (914mm), max. height 54" (1372mm).
- 3 Hour:*** Approved listing at 100 sq.in. (0.065 m²) visible lite max. width 12" (305mm), max. height 33" (838mm)

* Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

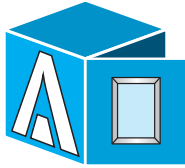
BS 476.22

British Standard

Timber Doors - 30 min. and 1 hour.

Steel Doors - 2 hours (4 hours actual).

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

BFL-75

METAL
VISION FRAME



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

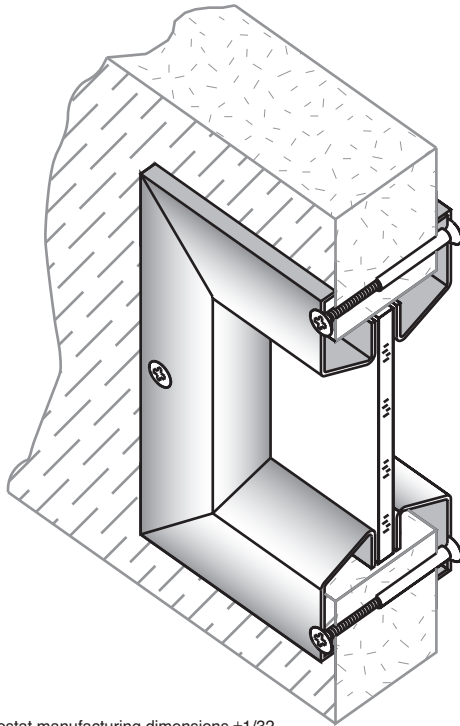


WARNOCK
HERSEY

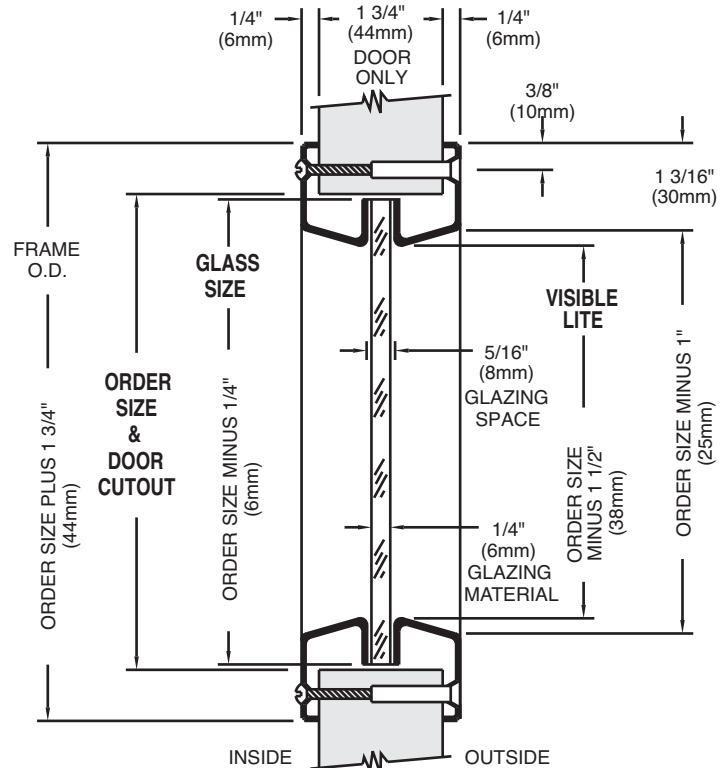
B.S.-476.22

British Standard

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- **MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 phillips head steel thru bolts with a blank head on one side for flush appearance.
- **DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- **GLAZING:** Should be 1/4" (6mm) or 3/16" (5mm) fire and/or safety rated with U.L. and/or W.H.I. classification markings. Glazing space of 5/16" (8mm) allows for glazing tape to be used on both sides of the glass.
- **AESTHETICS:** Tight mitered corners, beveled glass stop for a clean tapered look.
- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- **PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836m²) on 20/45 min. and 100 sq. in. (0.065m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

OPTIONAL FEATURES

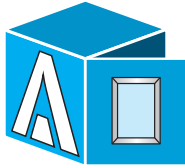
- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish(Satin), Galvanized (Coil, Hot Dipped, or Zinc Plated).
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- **FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.
- **SPECIALS:** Fractional Sizes, Lead Lined for X-ray applications, Glass or Door thickness (see FGS-IS or LoPro-IS).
- **HM CLIP:** Replaces the need for reinforcing channel in the door cutout, see page 37 this section.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- **20 MINUTE:*** Approved listing at 3204 sq.in. (2.067 m²) visible lite max. width 36" (914mm), max. height 89" (2261mm).
- **45/60 MINUTE:*** Approved listing at 2772 sq.in. (1.788 m²) visible lite max. width 36" (914mm), max. height 77" (1956mm).
- **90 MINUTE:*** Approved listing at 1296 sq.in. (0.836 m²) visible lite max. width 36" (914mm) , max. height 54" (1372mm).
- **3 Hour:*** Approved listing at 100 sq.in. (0.065 m²) visible lite max. width 12" (305mm), max. height 33" (838mm)

* Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

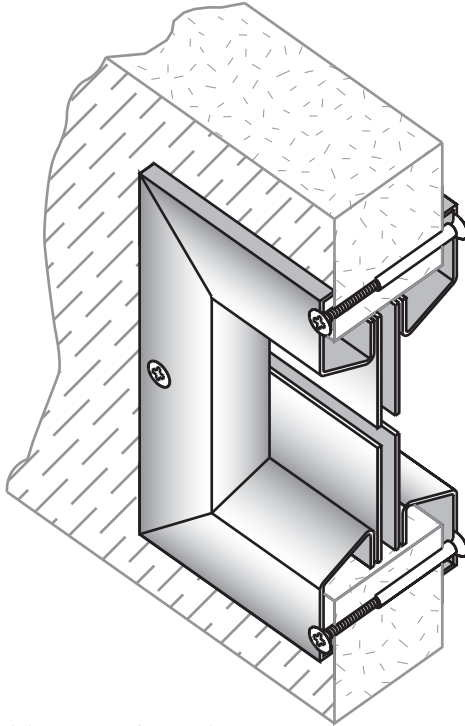
e-mail: door@anemostat.com • website: www.anemostat.com

BFL-75-PO

POST OFFICE OBSERVATION
METAL
VISION FRAME

NOT FIRE RATED

DETAIL DRAWING

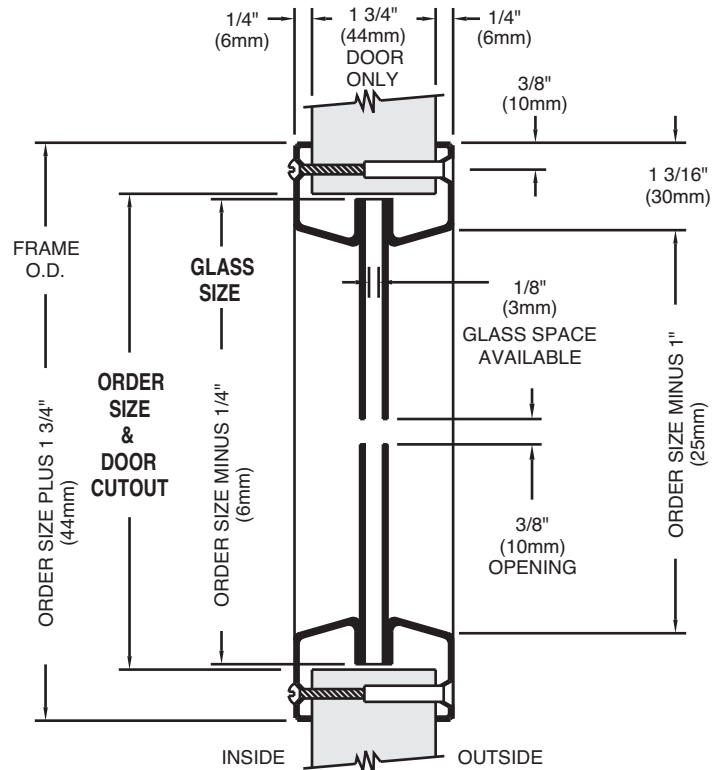


12 X 6 IS STANDARD ORDER SIZE
OTHER SIZES AVAILABLE, CONSULT FACTORY

Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- **MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 phillips head steel thru bolts with a blank head on one side for flush appearance.
- **DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- **GLAZING SPACE:** Space allows for 1/8" (3mm) thick glazing material. Can also be used without Glazing Material. For a thicker glazing space, consult factory about FGS-IS-PO.
- **AESTHETICS:** Tight mitered corners, beveled glass stop for a clean tapered look.
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.



FOR SPECIAL GLASS OR DOOR THICKNESS
USE FGS-IS-PO (CONSULT FACTORY)

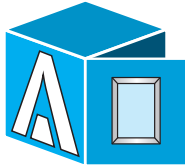
OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Coil, Hot Dipped, or Zinc Plated).
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- **FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.
- **SPECIALS:** Fractional Sizes, Glass or Door thickness (consult factory for FGS-IS-PO).

FIRE RATINGS

- **BFL-75-PO is not fire rated.**
- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

LoPro™
LEAD LINED
METAL VISION FRAME

NOT FIRE RATED

DETAIL DRAWING

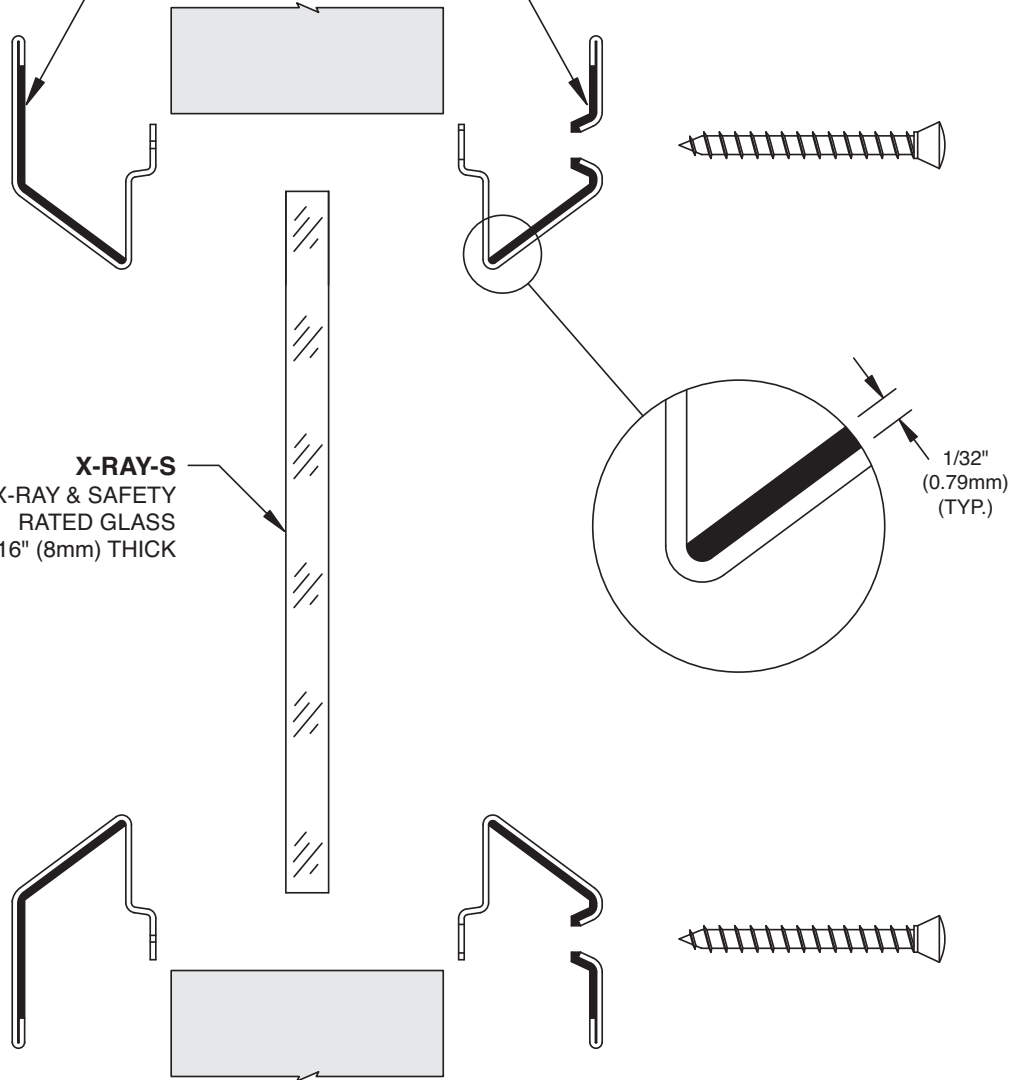
2# LEAD LINING
(1/32"/0.79mm)
*Non-Screw Hole Side Only
is Lead Lined*

4# LEAD LINING - Total
(1/32"/0.79mm)
*Both Sides are
Lead Lined with 2# Lead*

X-RAY-S
X-RAY & SAFETY
RATED GLASS
5/16" (8mm) THICK

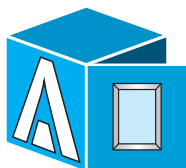
For Complete Technical Data

- **LoPro**
see page 1, this section
- **x-Ray-S Glass**
see Glazing Products page 17



Job Name & Location

Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FGS-MS5-FR

LEAD LINED / FIRE RATED

METAL VISION FRAME

IMPACT AND SECURITY RESISTANT



UNDERWRITERS'
LABORATORIES

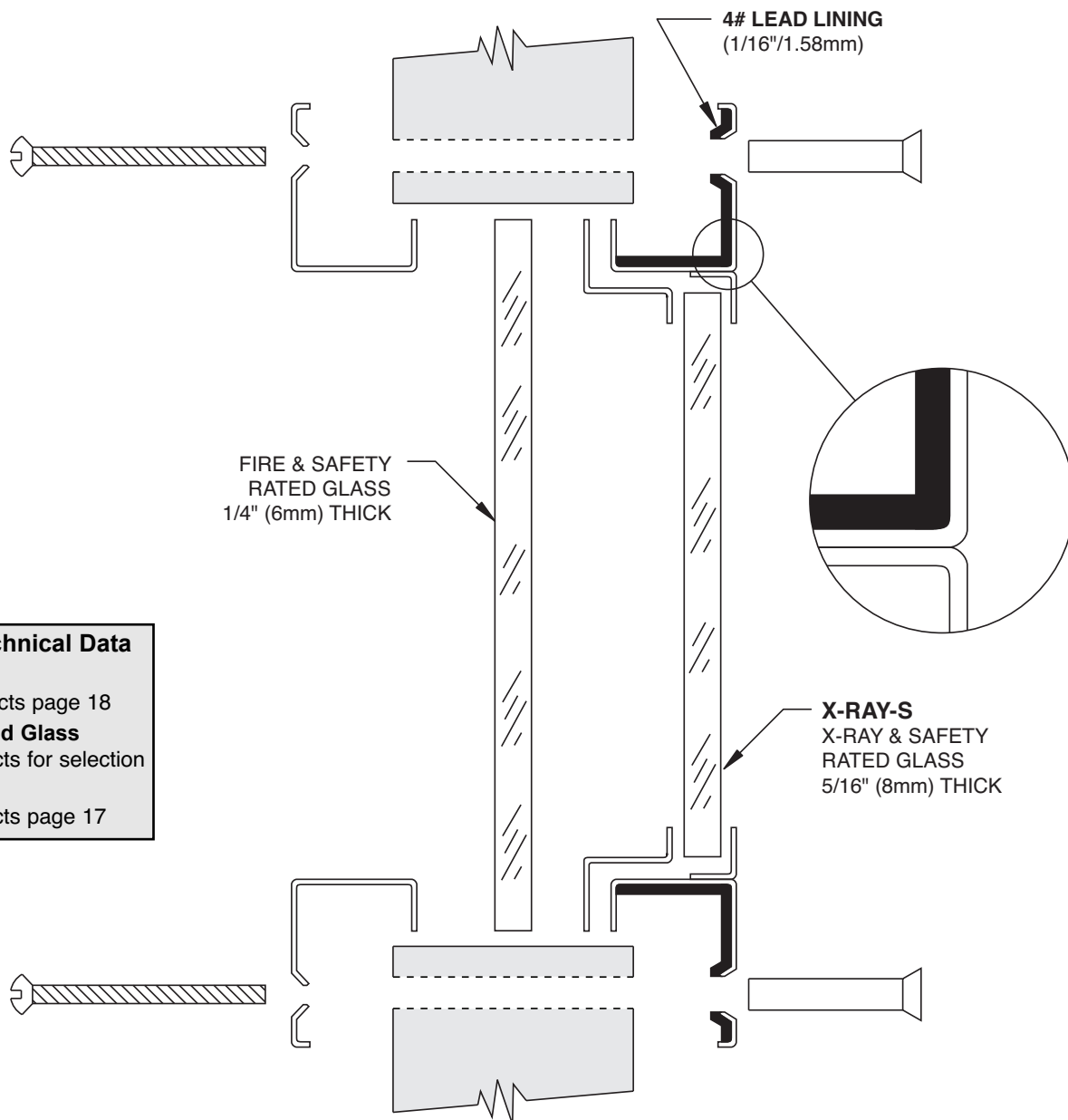
FIRE
RATINGS



WARNOCK
HERSEY

B.S.-476.22 British Standard

DETAIL DRAWING



For Complete Technical Data

- **FGS-MS**

see Security Products page 18

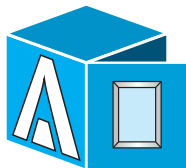
- **Fire & Safety Rated Glass**

see Glazing Products for selection

- **x-Ray-S Glass**

see Glazing Products page 17

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

Lo-FP-12

Lo-FP-12-IS

12" (305mm) ROUND

LO-PROFILE METAL VISION FRAME



FIRE
RATINGS



UNDERWRITERS'
LABORATORIES

EN-1634

European Standard

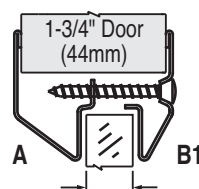
WARNOCK
HERSEY

B.S.-476.22

British Standard

DETAIL DRAWING

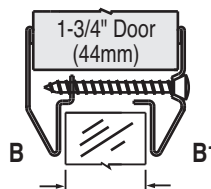
Lo-FP-12-AB1



GLAZING
THICKNESS
5/8" to 11/16"
(16mm to 17mm)

GLAZING
SPACE
3/4"
(19mm)

Lo-FP-12-BB1

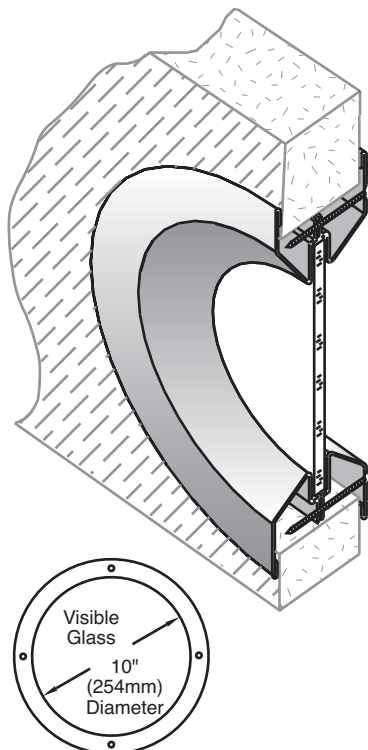
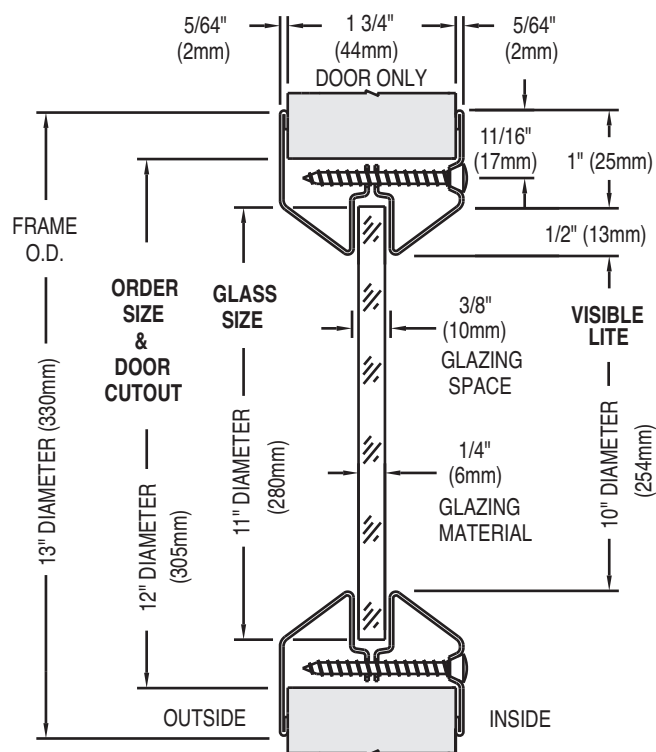


GLAZING
THICKNESS
7/8" to 1"
(22mm to 25mm)

GLAZING
SPACE
1 1/16"
(27mm)

A, B = Non Screw Side of Frame
A1, B1 = Screw Side of Frame

Lo-FP-12-AA1



4 mounting holes per vision frame

Anemostat manufacturing dimensions $\pm 1/32$ (1mm)
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- MATERIAL:** 20 GA. (1mm) Zinc Plated Galvanized.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** Uses #8 x 1 3/4" (44mm) long phillips oval head screws that pass through the door cutout and fasten to the opposite side of the vision frame, eliminating the need for thru bolts.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- GLAZING:** Should be 1/4" (6mm), 3/16" (5mm) or 5/16" (8mm) fire and/or safety rated with U.L. and/or W.H.I. classification markings. Glazing space of 3/8" (10mm) allows for glazing tape to be used on both sides of the glass. See drawing above for details on other glass thicknesses available.
- AESTHETICS:** Smooth round contour of low profile frame style gives a unique design to any setting.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized steel.

OPTIONAL FEATURES

- MATERIAL:** #304 Stainless Steel, #4 Finish(Satin), Galvanized (Hot Dipped, or Zinc Plated),
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.

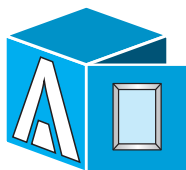
FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45/60/90/180 MINUTE:** Approved listing at 79 sq.in. (0.051 m²) visible lite.
- 3 Hour:** Approved listing at 79 sq.in. (0.051 m²) visible lite
- * Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

BS 476.22 Timber Doors - 30 min. and 1 hour.
British Standard Steel Doors - 2 hours (4 hours actual).

EN-1634 30/60 min. integrity and insulation - Indicative Testing
European Std.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

Lo-FP-18 Lo-FP-18-IS

18" (457mm) ROUND

LO-PROFILE METAL VISION FRAME



FIRE
RATINGS



UNDERWRITERS'
LABORATORIES

EN-1634

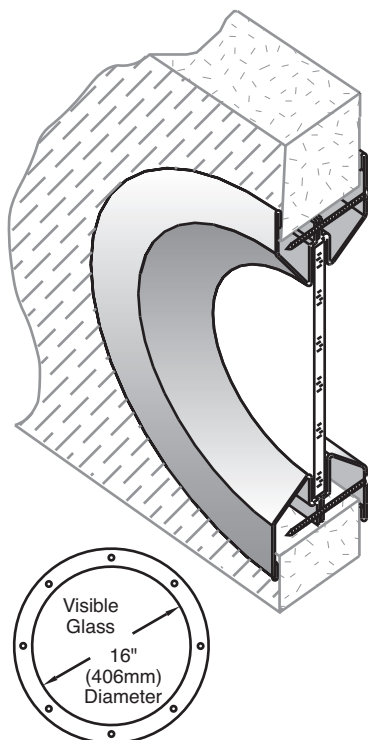
European Standard

WARNOCK
HERSEY

B.S.-476.22

British Standard

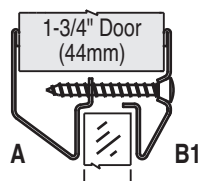
DETAIL DRAWING



8 mounting holes per vision frame

Anemostat manufacturing dimensions $\pm 1/32$ (1mm)
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

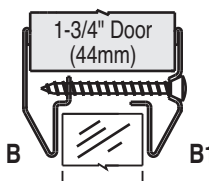
Lo-FP-18-AB1



GLAZING
THICKNESS
5/8" to 11/16"
(16mm to 17mm)

GLAZING
SPACE
3/4"
(19mm)

Lo-FP-18-BB1

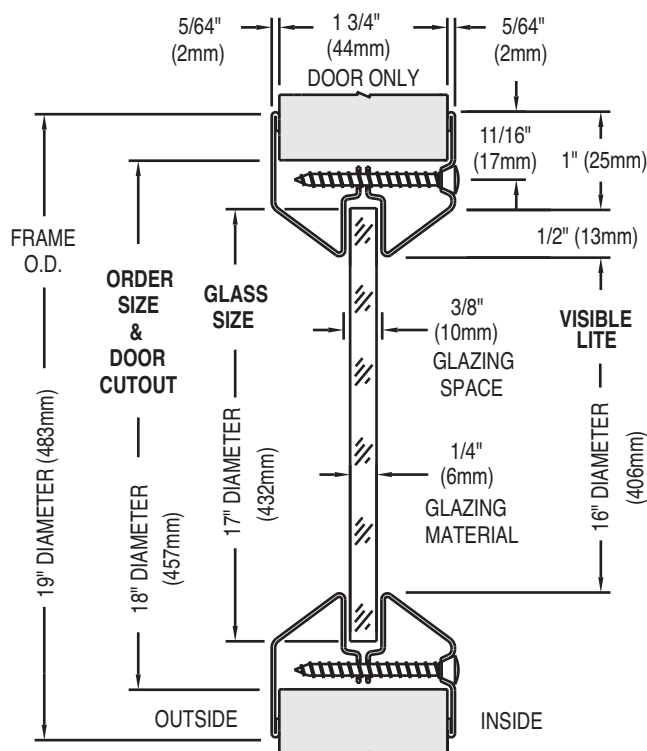


GLAZING
THICKNESS
7/8" to 1"
(22mm to 25mm)

GLAZING
SPACE
1 1/16"
(27mm)

A, B = Non Screw Side of Frame
A1, B1 = Screw Side of Frame

Lo-FP-18-AA1



STANDARD PRODUCT FEATURES

- MATERIAL:** 20 GA. (1mm) Zinc Plated Galvanized.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** Uses #8 x 1 3/4" (44mm) long phillips oval head screws that pass through the door cutout and fasten to the opposite side of the vision frame, eliminating the need for thru bolts.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- GLAZING:** Should be 1/4" (6mm), 3/16" (5mm) or 5/16" (8mm) fire and/or safety rated with U.L. and/or W.H.I. classification markings. Glazing space of 3/8" (10mm) allows for glazing tape to be used on both sides of the glass. See drawing above for details on other glass thicknesses available.
- AESTHETICS:** Smooth round contour of low profile frame style gives a unique design to any setting.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized steel.

OPTIONAL FEATURES

- MATERIAL:** #304 Stainless Steel, #4 Finish(Satin), Galvanized (Hot Dipped, or Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45/60*/90* MINUTE:** Approved listing at 201 sq.in. (0.13 m²) visible lite.

* Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

BS 476.22 Timber Doors - 30 min. and 1 hour.

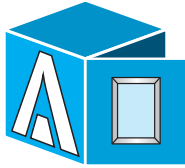
British Standard Steel Doors - 2 hours (4 hours actual).

EN-1634 30/60 min. integrity and insulation - Indicative Testing

European Std.

- PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

Lo-FP-24

24" ROUND

LO-PROFILE METAL VISION FRAME



UNDERWRITERS'
LABORATORIES

EN-1634

European Standard

FIRE
RATINGS

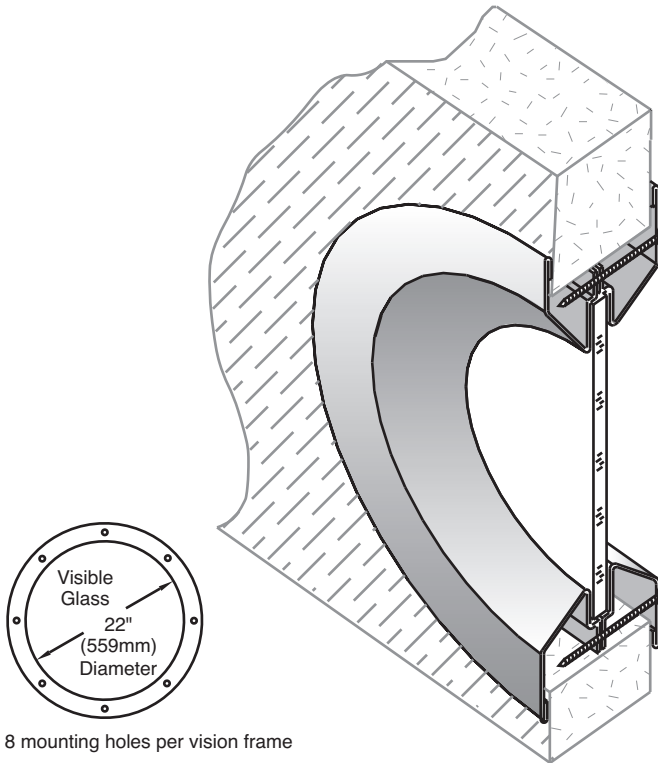


WARNOCK
HERSEY

B.S.-476.22

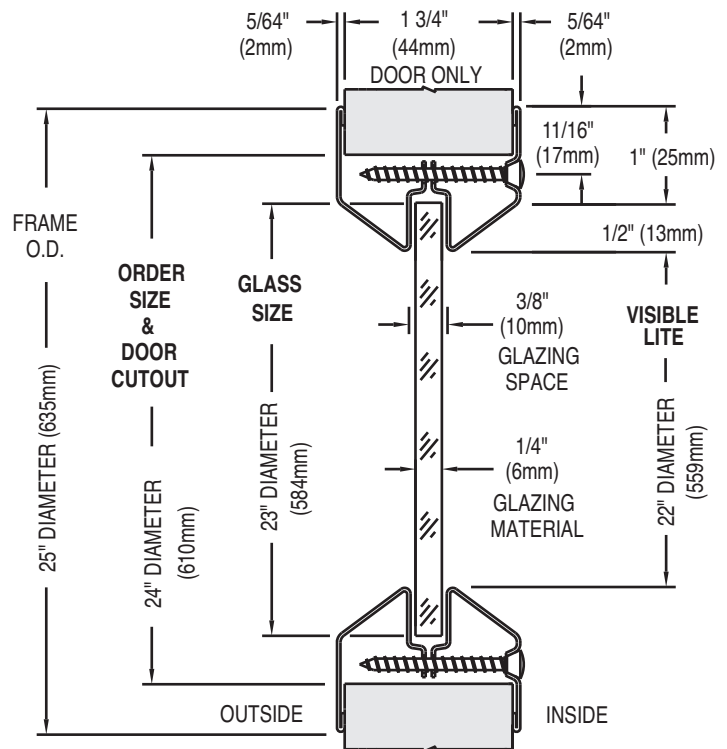
British Standard

DETAIL DRAWING



8 mounting holes per vision frame

Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 20 GA. (1mm) Cold Rolled Steel.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** Uses #8 x 1 3/4" (44mm) long phillips oval head screws that pass through the door cutout and fasten to the opposite side of the vision frame, eliminating the need for thru bolts.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- GLAZING:** Should be 1/4" (6mm), 3/16" (5mm) or 5/16" (8mm) fire and/or safety rated with U.L. and/or W.H.I. classification markings. Glazing space of 3/8" (10mm) allows for glazing tape to be used on both sides of the glass.
- AESTHETICS:** Smooth round contour of low profile frame style gives a unique design to any setting.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized steel.
- PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

OPTIONAL FEATURES

- MATERIAL:** Galvanized (Hot Dipped, or Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45/60*90* MINUTE:** Approved listing at 380 sq.in. (0.25m²) visible lite.

* Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

BS 476.22

British Standard

Timber Doors - 30 min. and 1 hour.

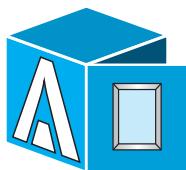
Steel Doors - 2 hours (4 hours actual).

EN-1634

European Std.

30/60 min. integrity and insulation - Indicative Testing

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FP-12

12" ROUND
METAL VISION FRAME



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

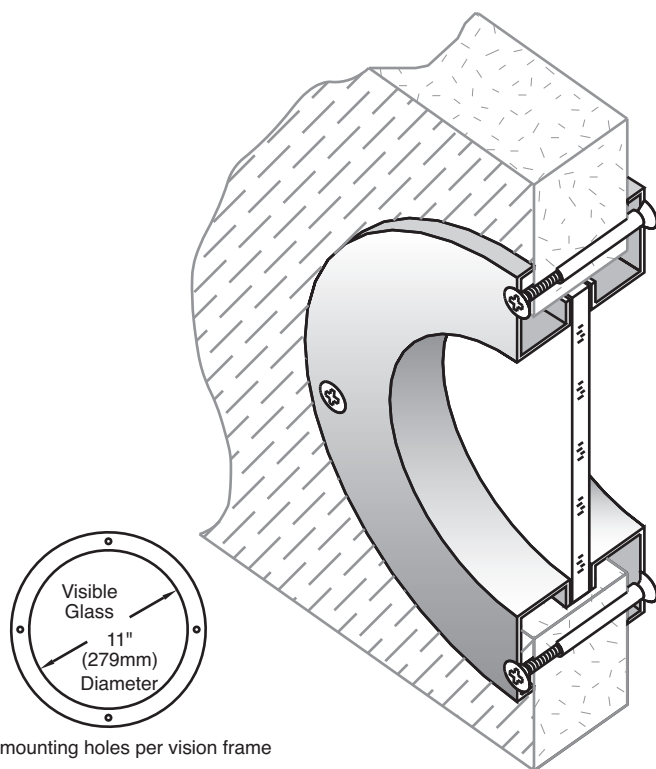


WARNOCK
HERSEY

B.S.-476.22

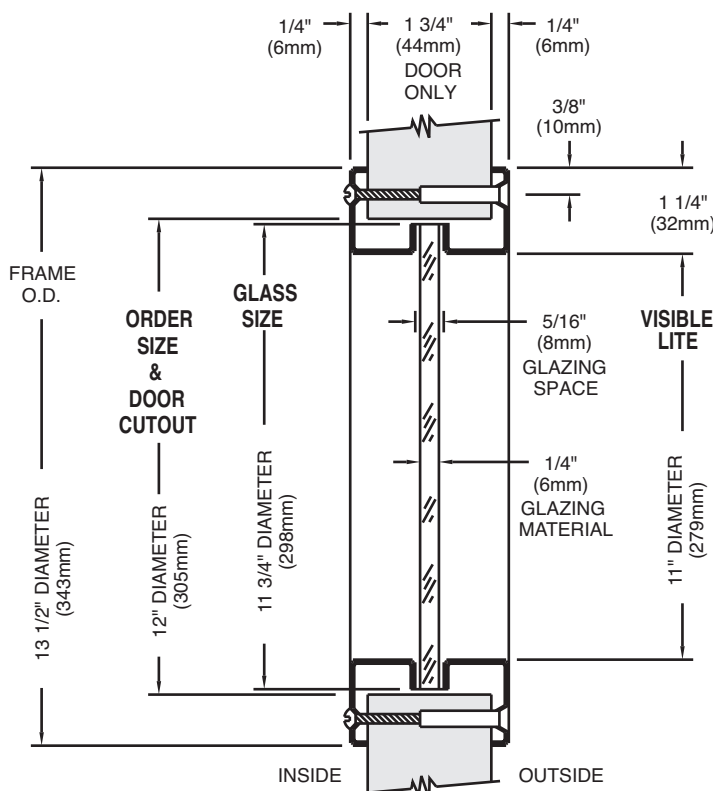
British Standard

DETAIL DRAWING



4 mounting holes per vision frame

Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 phillips head steel thru bolts with a blank head on one side for flush appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood and Metal Doors.
- GLAZING:** Should be 1/4" (6mm) or 3/16" (5mm) fire and/or safety rated with U.L. and/or W.H.I. classification markings. Glazing space of 5/16" (8mm) allows for glazing tape to be used on both sides of the glass.
- AESTHETICS:** Smooth round contour of frame style gives a unique design to any setting.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish(Satin), Galvanized (Hot Dipped, or Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.
- SPECIALS:** Consult Factory for special diameter sizes and special glass or door thicknesses.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45/60*90* MINUTE:** Approved listing at 79 sq.in. (0.051m²) visible lite.
- * Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

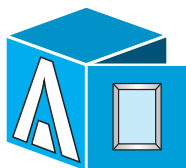
BS 476.22

British Standard

Timber Doors - 30 min. and 1 hour.

Steel Doors - 2 hours (4 hours actual).

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FP-18

18" ROUND

METAL VISION FRAME



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

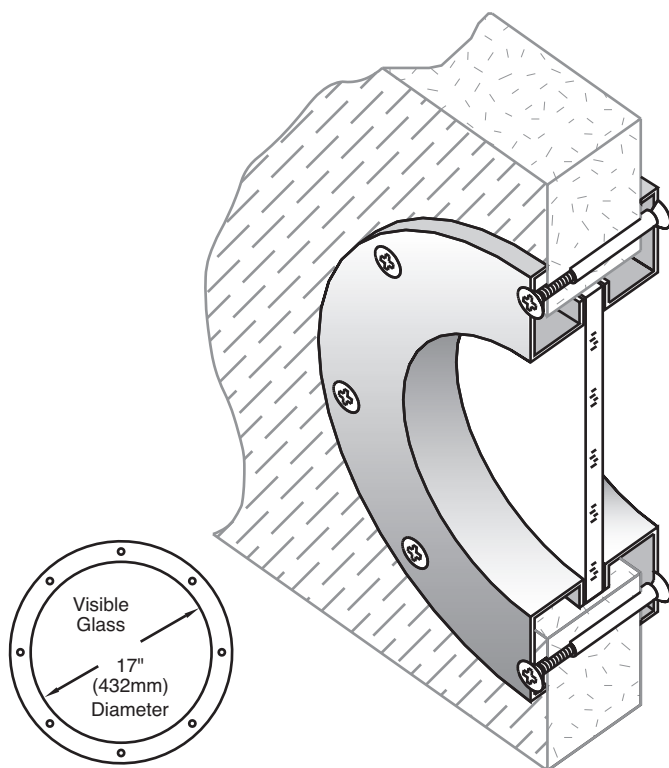


WARNOCK
HERSEY

B.S.-476.22

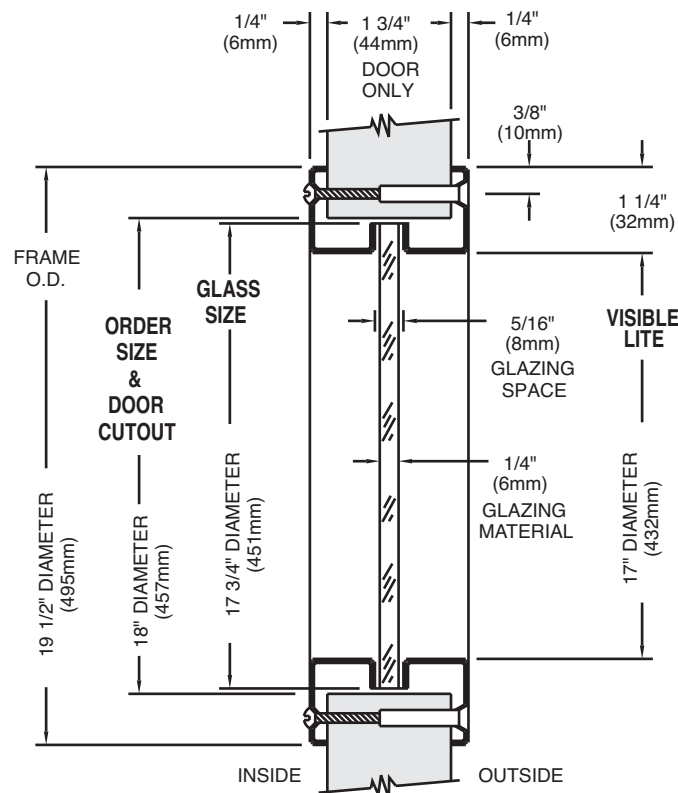
British Standard

DETAIL DRAWING



8 mounting holes per vision frame

Anemostat manufacturing dimensions $\pm 1/32$.
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 phillips head steel thru bolts with a blank head on one side for flush appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- GLAZING:** Should be 1/4" (6mm) or 3/16" (5mm) fire and/or safety rated with U.L. and/or W.H.I. classification markings. Glazing space of 5/16" (8mm) allows for glazing tape to be used on both sides of the glass.
- AESTHETICS:** Smooth round contour of frame style gives a unique design to any setting.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish(Satin), Galvanized (Hot Dipped, or Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.
- SPECIALS:** Consult Factory for special diameter sizes and special glass or door thicknesses.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45/60*/90* MINUTE:** Approved listing at 201 sq.in. (0.13m²) visible lite.
* Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

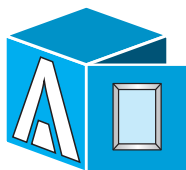
BS 476.22

British Standard

Timber Doors - 30 min. and 1 hour.

Steel Doors - 2 hours (4 hours actual).

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FP-24

24" ROUND
METAL VISION FRAME



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

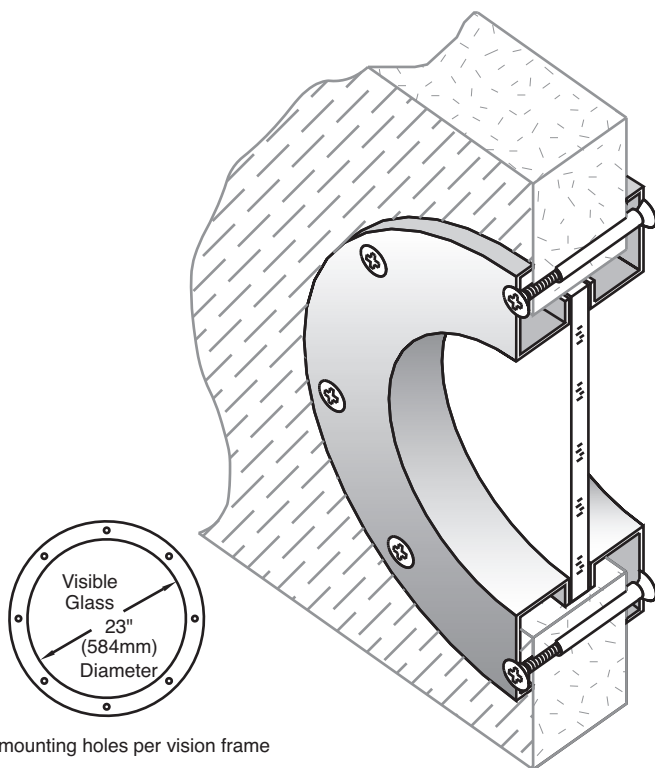


WARNOCK
HERSEY

B.S.-476.22

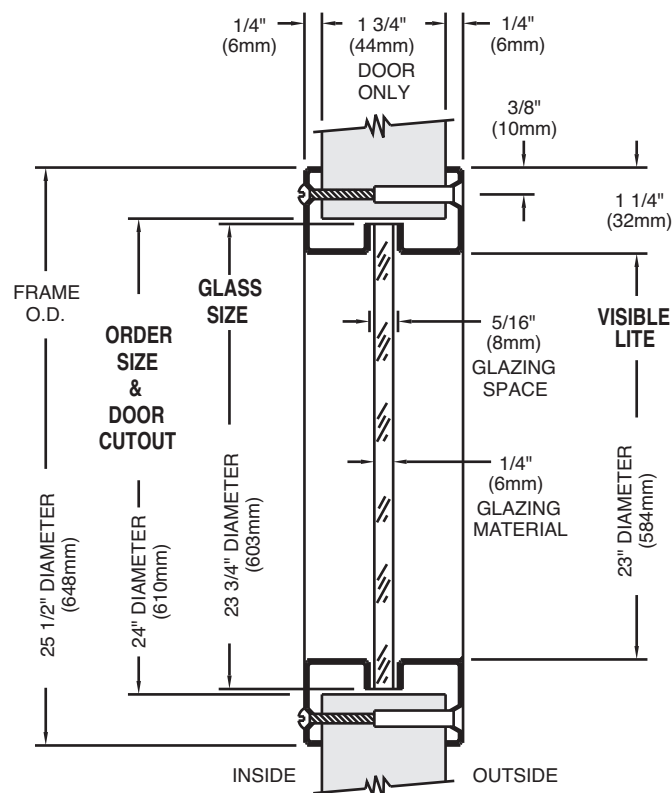
British Standard

DETAIL DRAWING



8 mounting holes per vision frame

Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 phillips head steel thru bolts with a blank head on one side for flush appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- GLAZING:** Should be 1/4" (6mm) or 3/16" (5mm) fire and/or safety rated with U.L. and/or W.H.I. classification markings. Glazing space of 5/16" (8mm) allows for glazing tape to be used on both sides of the glass.
- AESTHETICS:** Smooth round contour of frame style gives a unique design to any setting.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Hot Dipped or Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 36, this section.
- SPECIALS:** Consult Factory for special diameter sizes and special glass or door thicknesses.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45/60*/90* MINUTE:** Approved listing at 380 sq. in. (.025m²) visible lite.
* Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

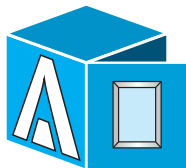
BS 476.22

British Standard

Timber Doors - 30 min. and 1 hour.

Steel Doors - 2 hours (4 hours actual).

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

LoPro™ -CS

**NON-CURVED
CUSTOM SHAPES**



UNDERWRITERS'
LABORATORIES

EN-1634

European Standard

FIRE
RATINGS



WARNOCK
HERSEY

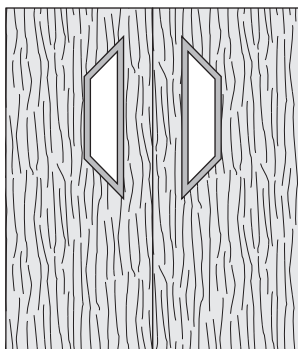
B.S.-476.22

British Standard

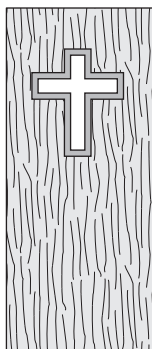
DETAIL DRAWING

AVAILABILITY: Non-Curved - A, B, C, D, E Profiles (see LoPro-IS Style page 2, this section)

Some examples are shown below, for other designs consult factory.



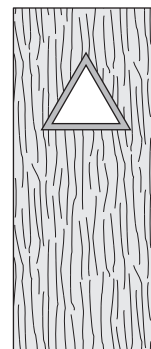
ISOSCELES TRAPEZOID



CHRISTIAN CROSS

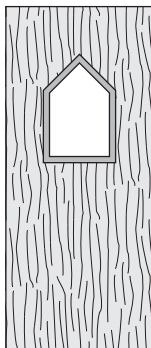


HEXAGON

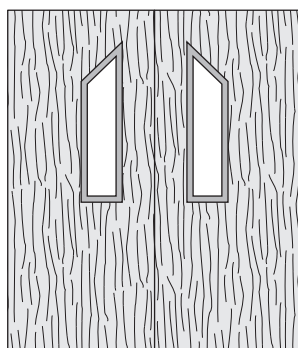


TRIANGLE
MUST SPECIFY HANDING
IF NOT EQUILATERAL

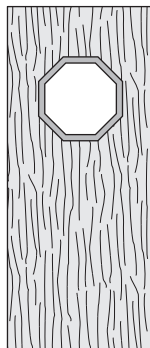
Recommendation: Do Not make Cutouts in Doors prior to receiving Custom Shaped Vision Frame



TRIANGULAR TOP



TRAPEZOID



OCTAGON



KITE

* Above designs are manufactured using LoPro vision frames. For other applications or shapes Please consult factory, or submit desired design.

▪ **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

▪ **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

▪ **PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- **20 MINUTE:*** Approved listing at 3204 sq.in. (2.067 m²) visible lite max. width 36" (914mm), max. height 89" (2261mm).
- **45/60 MINUTE:*** Approved listing at 2772 sq.in. (1.788 m²) visible lite max. width 36" (914mm), max. height 77" (1956mm).
- **90 MINUTE:*** Approved listing at 1296 sq.in. (0.836 m²) visible lite max. width 36" (914mm), max. height 54" (1372mm).
- **3 Hour:*** Approved listing at 100 sq.in. (0.065 m²) visible lite max. width 12" (305mm), max. height 33" (838mm)

* Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

BS 476.22

British Standard

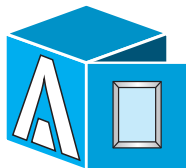
Timber Doors - 30 min. and 1 hour. Tested to 254mm x 762mm
Steel Doors - 2 hours (4 hours actual). Tested to 813mm x 813mm

EN-1634

European Std.

30/60 min. integrity and insulation - Indicative Testing

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

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LoPro™ -CS

CURVED

CUSTOM SHAPES



UNDERWRITERS'
LABORATORIES

EN-1634

European Standard

FIRE
RATINGS



WARNOCK
HERSEY

B.S.-476.22

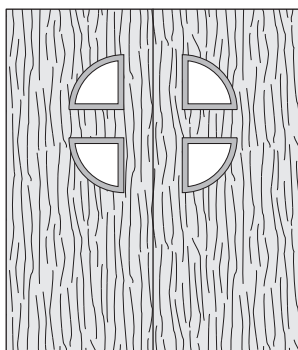
British Standard

DETAIL DRAWING

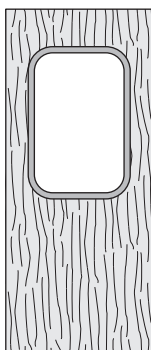
**AVAILABILITY: Curved - A Profile (12, 18 & 24 Diameters)
- B Profile (12 & 18 Diameters)**

See Reference Sheets pages 30 & 31

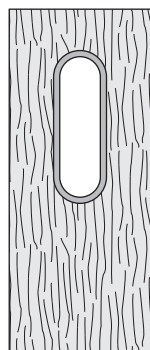
Some examples are shown below (*based on 3-0 x 7-0 door*), for other designs consult factory.



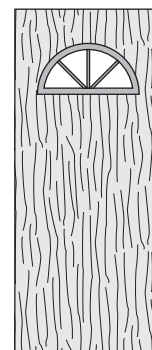
QR-12



QR4C-6

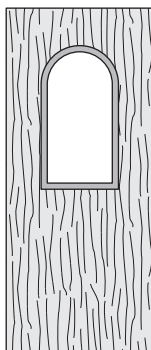


HCTB-12

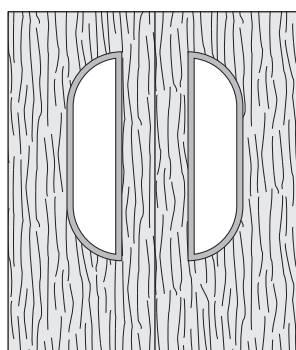


HC-24-G4

Recommendation: Do Not make Cutouts in Doors prior to receiving Custom Shaped Vision Frame



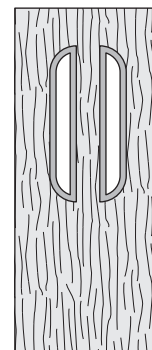
HCT-18



QR2C-12



QR1C-9



QR2C-6

* Above designs are manufactured using LoPro & LoFP-12, 18, 24 vision frames. For other applications or shapes Please consult factory, or submit desired design.

• **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized.
Curved Products NOT AVAILABLE in Stainless Steel.

• **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

• **PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- **20 MINUTE:*** Approved listing at 3204 sq.in. (2.067 m²) visible lite max. width 36" (914mm), max. height 89" (2261mm).
- **45/60 MINUTE:*** Approved listing at 2772 sq.in. (1.788 m²) visible lite max. width 36" (914mm), max. height 77" (1956mm).
- **90 MINUTE:*** Approved listing at 1296 sq.in. (0.836 m²) visible lite max. width 36" (914mm), max. height 54" (1372mm).
- **3 Hour:*** Approved listing at 100 sq.in. (0.065 m²) visible lite max. width 12" (305mm), max. height 33" (838mm)

* Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

BS 476.22

British Standard

Timber Doors - 30 min. and 1 hour. Tested to 254mm x 762mm

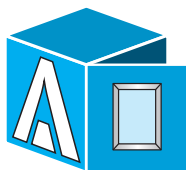
Steel Doors - 2 hours (4 hours actual). Tested to 813mm x 813mm

EN-1634

European Std.

30/60 min. integrity and insulation - Indicative Testing

Job Name & Location	Submitted by



REFERENCE SHEET

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

LoPro™ -CS-HC

HALF CIRCLE
CUSTOM SHAPES

MANUFACTURED FROM:

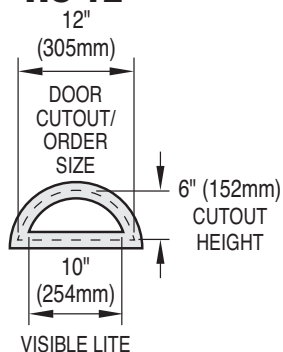
LOFP-12 AA1, AB1, BB1

LOFP-18 AA1, AB1, BB1

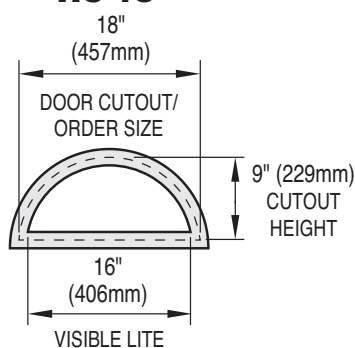
LOFP-24 AA1

DETAIL DRAWING

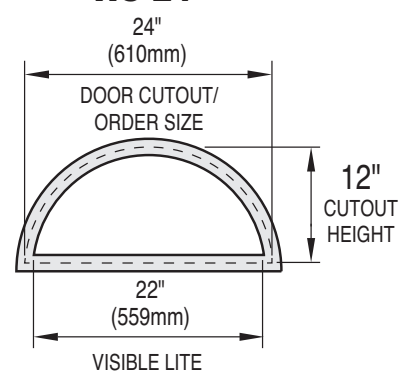
HC-12



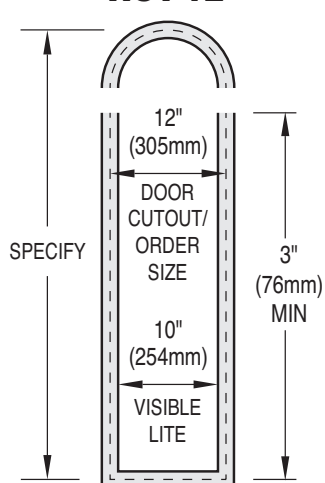
HC-18



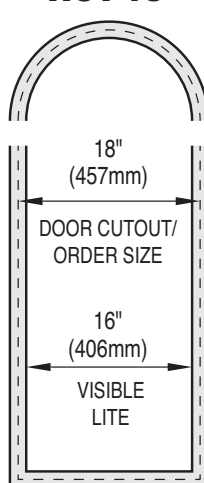
HC-24



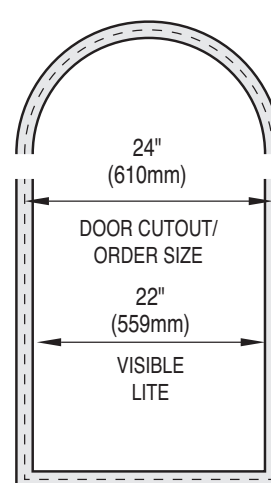
HCT-12



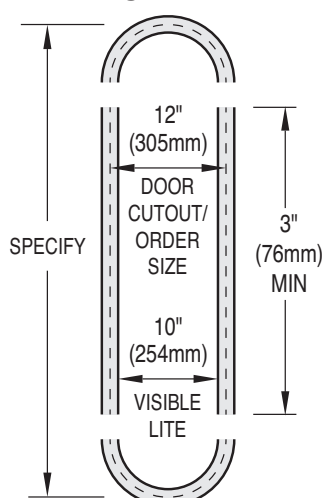
HCT-18



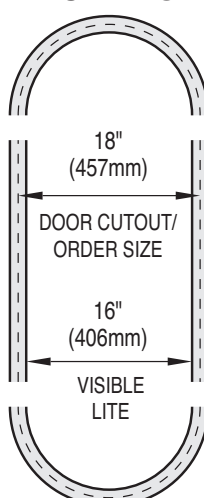
HCT-24



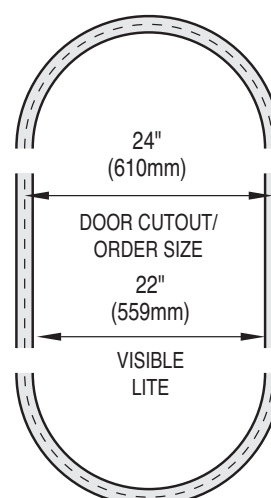
HCTB-12

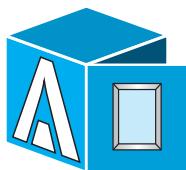


HCTB-18



HCTB-24





REFERENCE SHEET

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

LoPro™ -CS-QR

QUARTER RADIUS
CUSTOM SHAPES

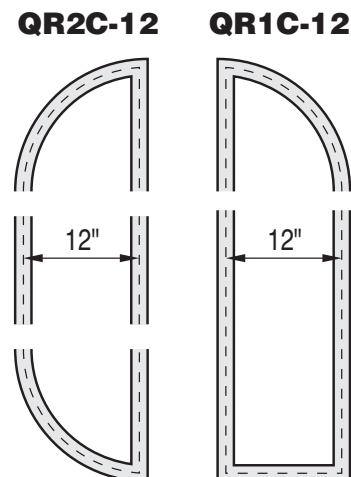
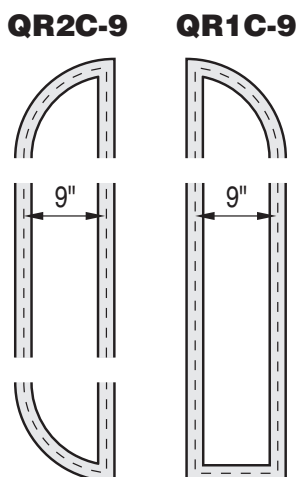
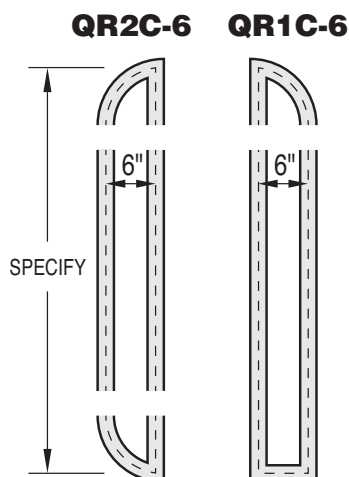
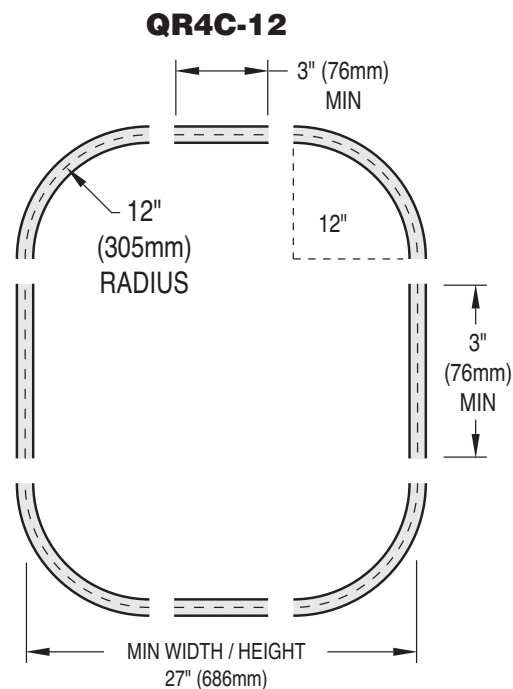
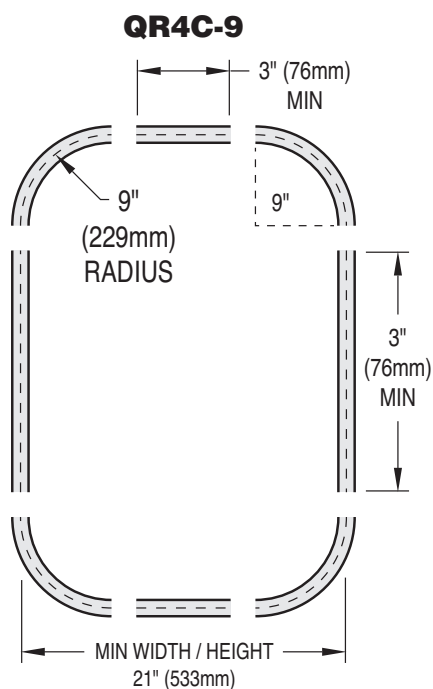
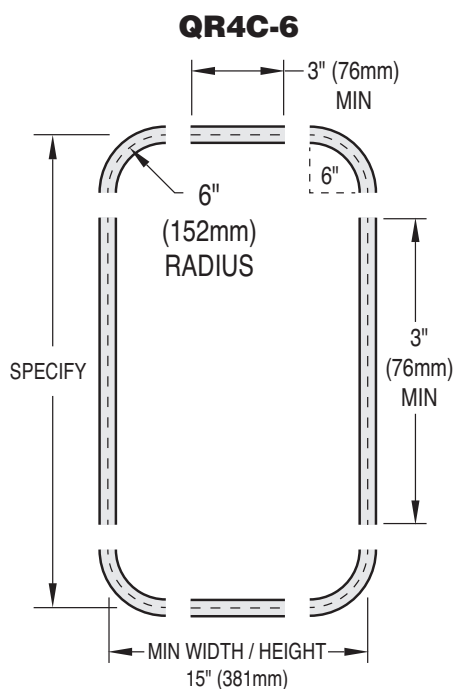
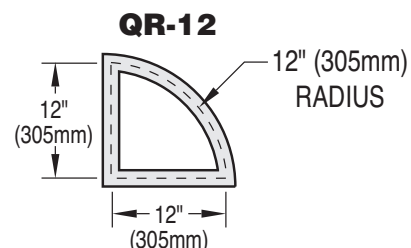
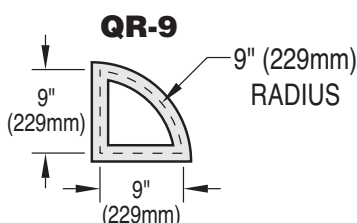
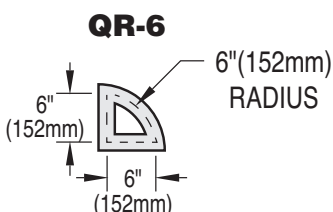
MANUFACTURED FROM:

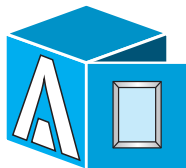
LOFP-12 AA1, AB1, BB1

LOFP-18 AA1, AB1, BB1

LOFP-24 AA1

DETAIL DRAWING





TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FGS-75-CS

CUSTOM SHAPES
METAL VISION FRAMES



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS



WARNOCK
HERSEY

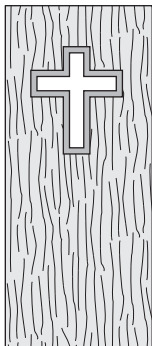
B.S.-476.22

British Standard

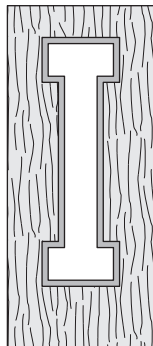
DETAIL DRAWING

PLEASE NOTE: *Custom Shaped Curved Products are NOT AVAILABLE in FGS-75-CS*

Some examples are shown below, for other designs consult factory. All Below are also available in LoPro-CS, see page 28



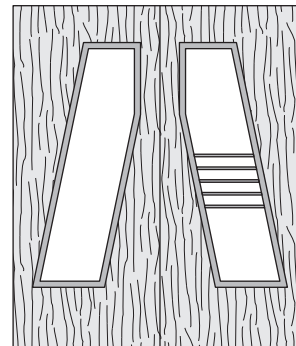
CHRISTIAN CROSS



INDIANA



CHAMPAGNE



AMERICA

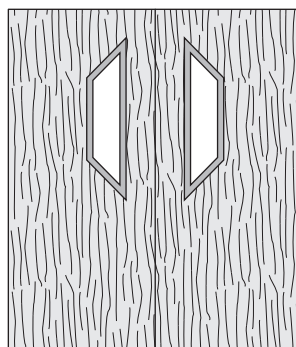
Recommendation: Do Not make Cutouts in Doors prior to receiving Custom Shaped Vision Frame



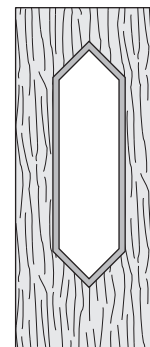
DIAMOND



4 LITE
TRAPEZOID TOP



ISOSCELES TRAPEZOID



ELONGATED
HEXAGON

* Above designs are manufactured using FGS-75 vision frame. For other applications or shapes Please consult factory, or submit desired design.

• Most products can also be manufactured using LoPro™ (self attaching) profile. Specify LoPro-CS.

• For Special Paint, Metal, Glass or Door thickness, consult factory.

• **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

• **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

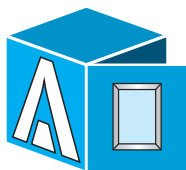
- **20 MINUTE:*** Approved listing at 3204 sq.in. (2.067 m²) visible lite max. width 36" (914mm), max. height 89" (2261mm).
- **45/60 MINUTE:*** Approved listing at 2772 sq.in. (1.788 m²) visible lite max. width 36" (914mm), max. height 77" (1956mm).
- **90 MINUTE:*** Approved listing at 1296 sq.in. (0.836 m²) visible lite max. width 36" (914mm) , max. height 54" (1372mm).
- **3 Hour:*** Approved listing at 100 sq.in. (0.065 m²) visible lite max. width 12" (305mm), max. height 33" (838mm)

* Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

BS 476.22 Timber Doors - 30 min. and 1 hour.
British Standard Steel Doors - 2 hours (4 hours actual).

- **PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FASTENERS

FOR
METAL VISION FRAMES

DETAIL DRAWING

STANDARD

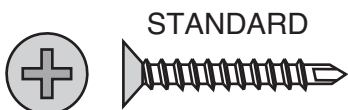


#8X1-3/4" (44mm) SHEET METAL SCREW

USED FOR: LoPro™, LoPro™-IS, LoPro™-G, LoPro™-R, LoPro™-RC, LoPro™-RD, LoPro™-CS, LoPro™-STC, LoPro™-BB1-MB, Lo-FP-12, Lo-FP-18, Lo-FP-24, StormPro-HR™, StormPro-HR™-G, WoodPro

#8X2" SHEET METAL SCREW

USED FOR: BFL-123-G

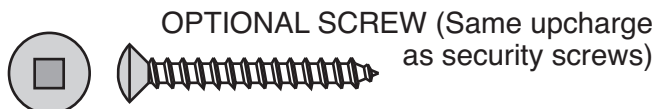


#8X1-1/2" (38mm) SHEET METAL TEK SCREW
USED FOR: FM-G



#8-32X1-1/4" (32mm) SCREW WITH THRU BOLT, BLANK ONE END

USED FOR: FGS-75, FGS-IS, FGS-38, FGS-75-G, FGS-DBL, FGS-75-R, FGS-75-RC, FGS-75-RD, FGS-75-CS, FP-12, FP-18, FP-24, BFL-75, BFL-75-PO



#8X1-1/2" (38mm) SQUARE DRIVE (ROBERTSON HEAD) SHEET METAL SCREW
USED FOR: LoPro™, BFL-123

OPTIONAL SECURITY FASTENERS*

(Consult Factory for Stainless Steel Availability)



ONE WAY VANDAL PROOF

LoPro™ — #8X1-1/2" (38mm)
BFL-123 — #8X2" (51mm)
FGS — #8-32X1-1/4" (32mm)



PINNED FLAT HEAD

LoPro™ — #8X1-1/2" (38mm)
BFL-123 — #8X2" (51mm)
FGS — #8-32X1-1/4" (32mm)



SNAKE EYE SPANNER

LoPro™ — #8X1-1/2" (38mm)
BFL-123 — #8X2" (51mm)



TORX FLAT HEAD

LoPro™ — #8X1-3/4" (44mm)
BFL-123 — #8X2" (51mm)
FGS — #8-32X1-1/4" (32mm)



NOTCHED SPANNER

LoPro™ — #8X1-1/2" (38mm)
BFL-123 — #8X2" (51mm)

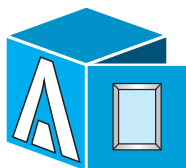


TORX-PLUS FLAT HEAD

LoPro™ — #8X1-1/2" (38mm)
FGS — #8-32X1-1/4" (32mm)

*Screw drivers and insert bits for Security Fasteners are available.
Consult Factory for Price and Availability.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

HM-CLIP

HOLLOW METAL
DOOR CLIP



UNDERWRITERS'
LABORATORIES

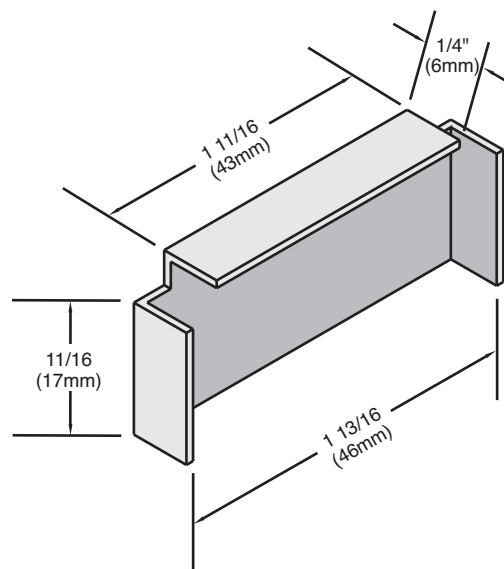
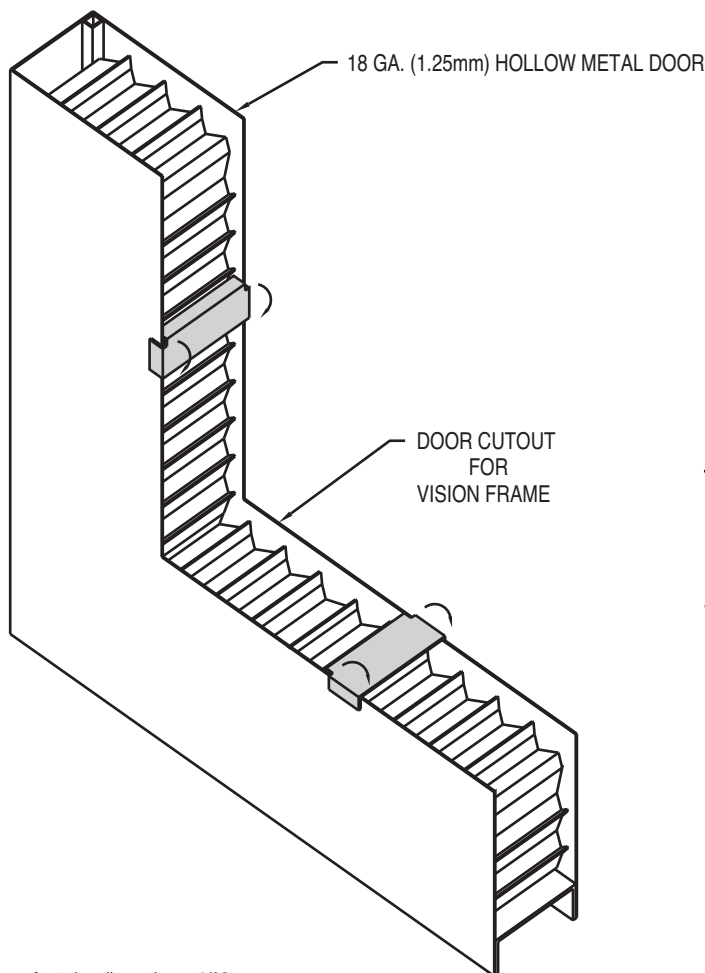
FIRE
RATINGS



WARNOCK
HERSEY

FOR USE WITH ANEMOSTAT PRODUCTS

DETAIL DRAWING



PLEASE NOTE: When using HM-CLIPS with LoPro™ series vision frames extra caution should be taken to ensure door cut-out is exact – **DO NOT OVERSIZE CUT-OUT!**

Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- **MATERIAL:** 20 GA. (1mm) Cold Rolled Steel.
- **INSTALLATION:** Put long bent side of clip between door skins, then snap into place, fitting flush with the door cutout.
- **PURPOSE:** Prevents hollow metal door from collapsing when core burns away during a fire.
- **DOOR THICKNESS:** For 1 3/4" (44mm) Door only.
- **USES:** For use in Hollow Metal Door.
Replaces the need for reinforcing channel in all Anemostat Vision Frames and the FLDL-UL fusible link louver.

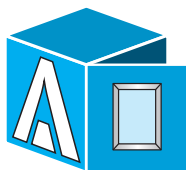
OPTIONAL FEATURES

- No clips required for 100 sq.in. Anemostat Visible Lite Frames.
- For Lites over 100 sq.in. visible lite.
 - One HM-Clip required on cutout sides 30" (762mm) to 60" (1524mm) centered in side (minimum U.L. requirements).
 - Two HM-Clips required on cutout sides over 60" (1524mm), equally spaced in side (minimum U.L. requirements).

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45/60/90 minutes listing approval from Underwriters Laboratory and Warnock Hersey for use on all Anemostat Vision Frames and the FLDL-UL Louver.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

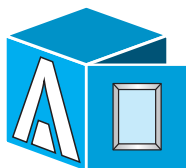
INDEX

FOR

SECURITY PRODUCTS VISION FRAMES

DETAIL DRAWING

MODEL	DESCRIPTION	DATE PRINTED	PAGE
SG-10	High Security for Special Glass or Door Thickness	January 2015	1
SG-12-SP	Medium Security with Speak Port	January 2015	2
SG-12-LCP	Security with Locking Cuff Port / Food Pass	January 2015	3
SG-10-SP	High Security with Speak Port	January 2015	4
SG-10-RSP	High Security with Removable Double Speak Port	January 2015	5
SSD	Security Sliding Door Panel	January 2015	6
SG-10-SSD	High Security with Sliding Door Panel	January 2015	7
SG-10-SP-SSD	High Security with Speak Port and Security Sliding Door Panel	January 2015	8
LoPro™-SSD	Lo-Profile Vision Frame with Security Sliding Door Panel	January 2015	9
BR-7	Bullet and Impact Resistant	January 2015	10
SG-12-LSC	Security with Operating Security Cover and Lock	January 2015	11
FGS-75-SC	With Operating Security Cover	January 2015	12
FGS-75-LSC	With Operating Security Cover and Lock	January 2015	13
LoPro™-SC	Lo-Profile with Operating Security Cover	January 2015	14
LoPro™-GR	Lo-Profile with Security Grille One Side	January 2015	15
LoPro™-SC-GR	Lo-Profile with Security Grille One Side and Operating Security Cover	January 2015	16
SL-IS	With Security Grille for Standard/Special Glass or Door Thickness	January 2015	17
FGS-MS-FR	Fire Rated, Impact and Security	January 2015	18
FGS-MS	Impact and Security	January 2015	19
SL-FS-LSC	Ventilating with Stainless Steel Screen and Security Grille Two Sides Plus Locking Security Cover	January 2015	20
SL-FS	Ventilating with Stainless Steel Screen and Security Grille Two Sides	January 2015	21
Fasteners for Security Products	January 2015	22



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

SG-10

HIGH SECURITY
METAL VISION FRAME FOR SPECIAL
GLASS OR DOOR THICKNESS



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

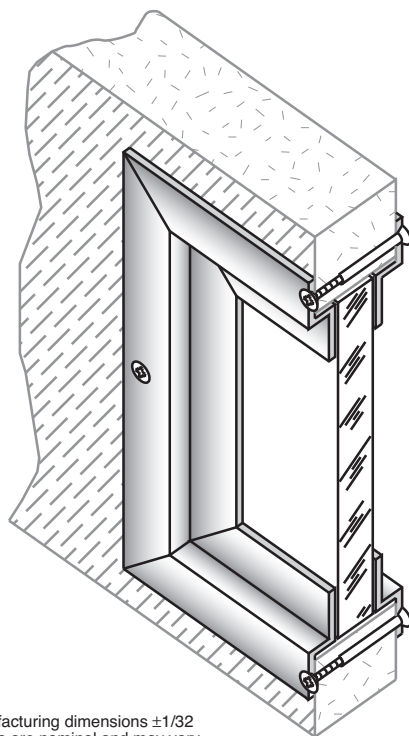


WARNOCK
HERSEY

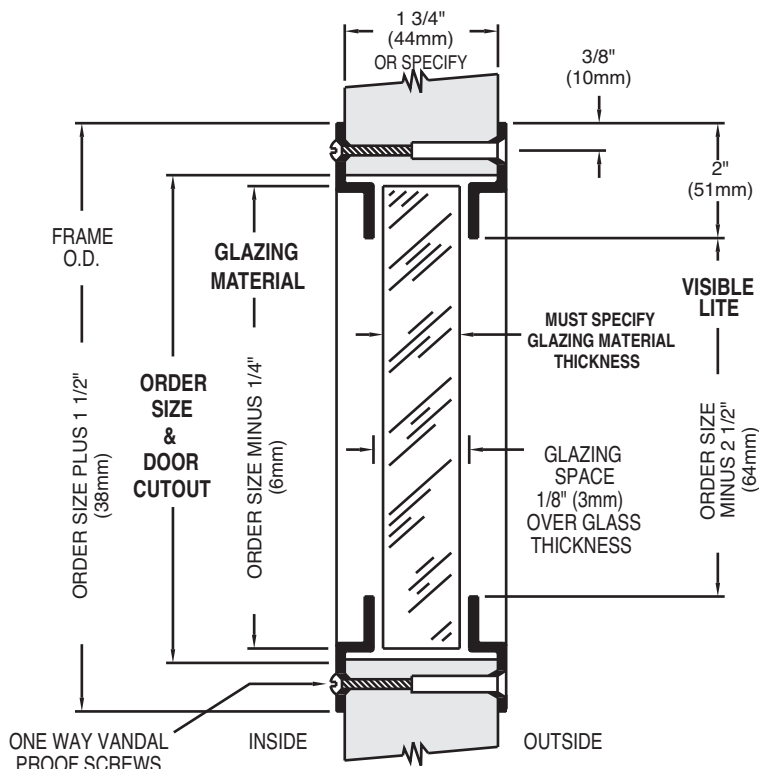
MEETS **ASTM F-1450-97** †

B.S.-476.22 British Standard

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 10 GA. (3.4mm) Cold Rolled Steel Frame on glass 3/16" (5mm) to 1" (25mm) thick.
12 GA. (2.5mm) Cold Rolled Steel Frame on glass over 1" (25mm) to 1 9/16" (40mm) thick.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 one way vandal proof security screw thru bolts with a blank head on one side for flush appearance and improved security.
- DOOR THICKNESS:** 1 3/4" (44mm) (std), or up to 2 1/4" (57mm) (specify).
- GLAZING:** Thickness can range from over 3/16" (5mm) and up to 1 9/16" (40mm). Glazing space of 1/8" (3mm) over glass thickness is standard, allowing for glazing tape to be used on both sides of the glass. Glazing material should be fire and/or safety rated with U.L. and/or W.H.I. classification markings.
- USES:** For use with glass 3/16" (5mm) and up to 1 9/16" (40mm) thick and high security is required.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- SPECIALS:** Fractional sizes, Glass thickness 3/16" (5mm) and up to 1 9/16" (40mm) and Door thickness up to 2 1/4" (57mm).

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45/60* MINUTE:** Approved listing at 1296 sq. in. visible lite. (max. width 54", max. height 54").
- 60**/90** MINUTE:** Approved listing at 1080 sq. in. visible lite. (max. width 35", max. height 35").
- 60/90 MINUTE:** Approved listing at 100 sq. in. visible lite. (max. width 10", max. height 33").

*Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

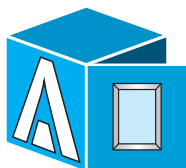
**Must be used with 7/8" (23mm) or 1-1/16" (27mm) Pyrostop and fire listed glazing tape, and be used in an appropriately tested door assembly.

IMPACT RATINGS

† Tested in Compliance with **ASTM F-1450-97** Must use 1/4" x 20 Thru Bolt blank one side (not shown in drawing, see page 26 this section).

BS 476.22 British Standard
Timber Doors - 30 min. and 1 hour.
Steel Doors - 2 hours (4 hours actual).

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

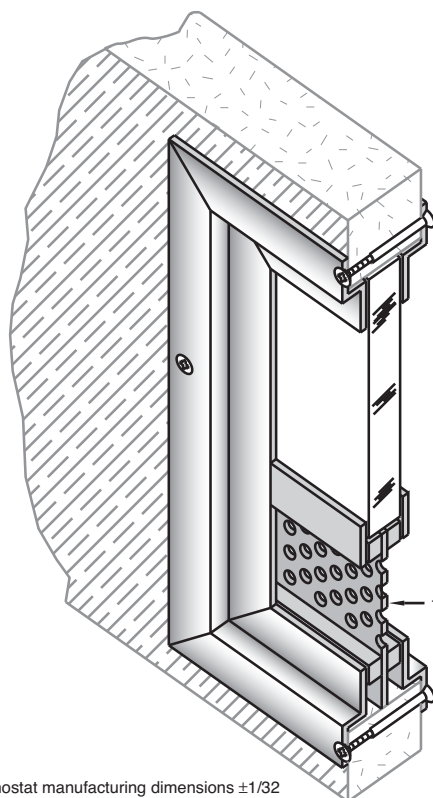
SG-12-SP

SECURITY
VISION FRAME
WITH
SPEAK PORT

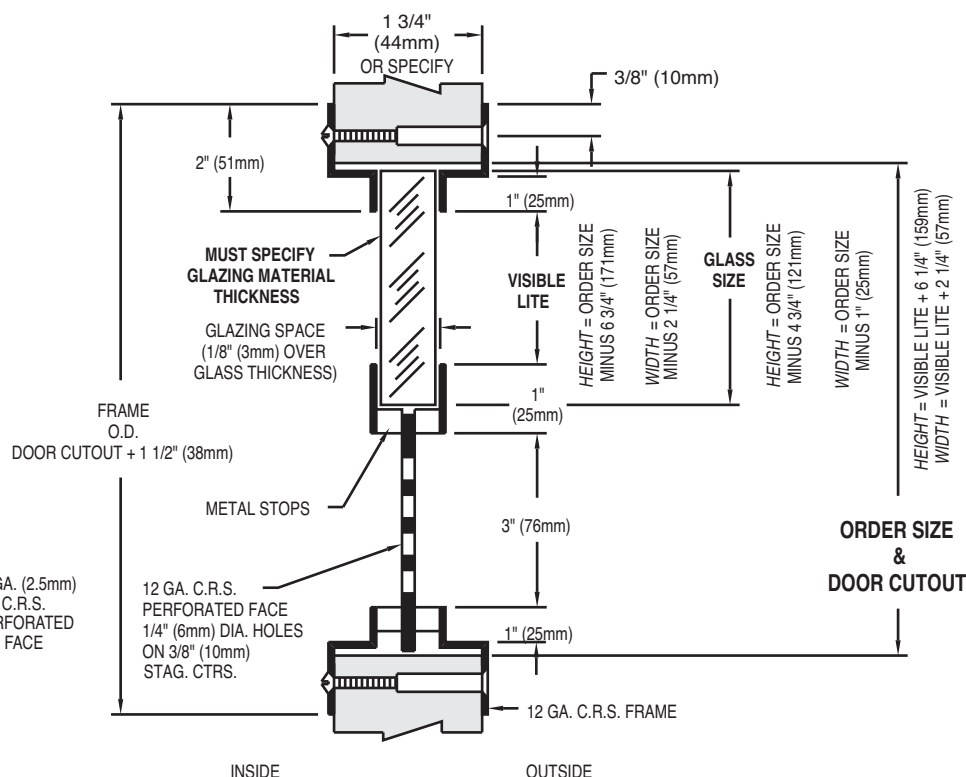
NOT FIRE RATED

MEETS ASTM F-1450-97 †

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 12 GA. (2.5mm) Cold Rolled Steel Frame on glass 3/16" (5mm) and up to 1 9/16" (40mm) thick.
- SPEAK PORT:** 12 GA. (2.8mm) cold rolled steel plate with perforated face. 1/4" (6mm) diameter holes on 3/8" (10mm) staggered centers.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 one way vandal proof security screw thru bolts with a blank head on one side for flush appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) (std) or up to 2 1/4" (57mm) (specify).
- GLAZING:** Thickness can range from over 3/16" (5mm) and up to 1 9/16" (40mm). Glazing space of 1/8" (3mm) over glass thickness is standard, allowing for glazing tape or compound to be used on both sides of the glass.
- NOTE:** For exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Hot Dipped, or Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- SPECIALS:** Fractional Sizes, Glass thickness 3/16" (5mm) and up to 1 9/16" (40mm) and Door thickness up to 2 1/4" (57mm).

FIRE RATINGS

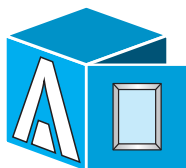
SG-12-SP is not fire rated

IMPACT RATINGS

† Tested in Compliance with ASTM F-1450-97 Must use 1/4" x 20 Thru Bolt blank one side (not shown in drawing, see page 26 this section).

- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

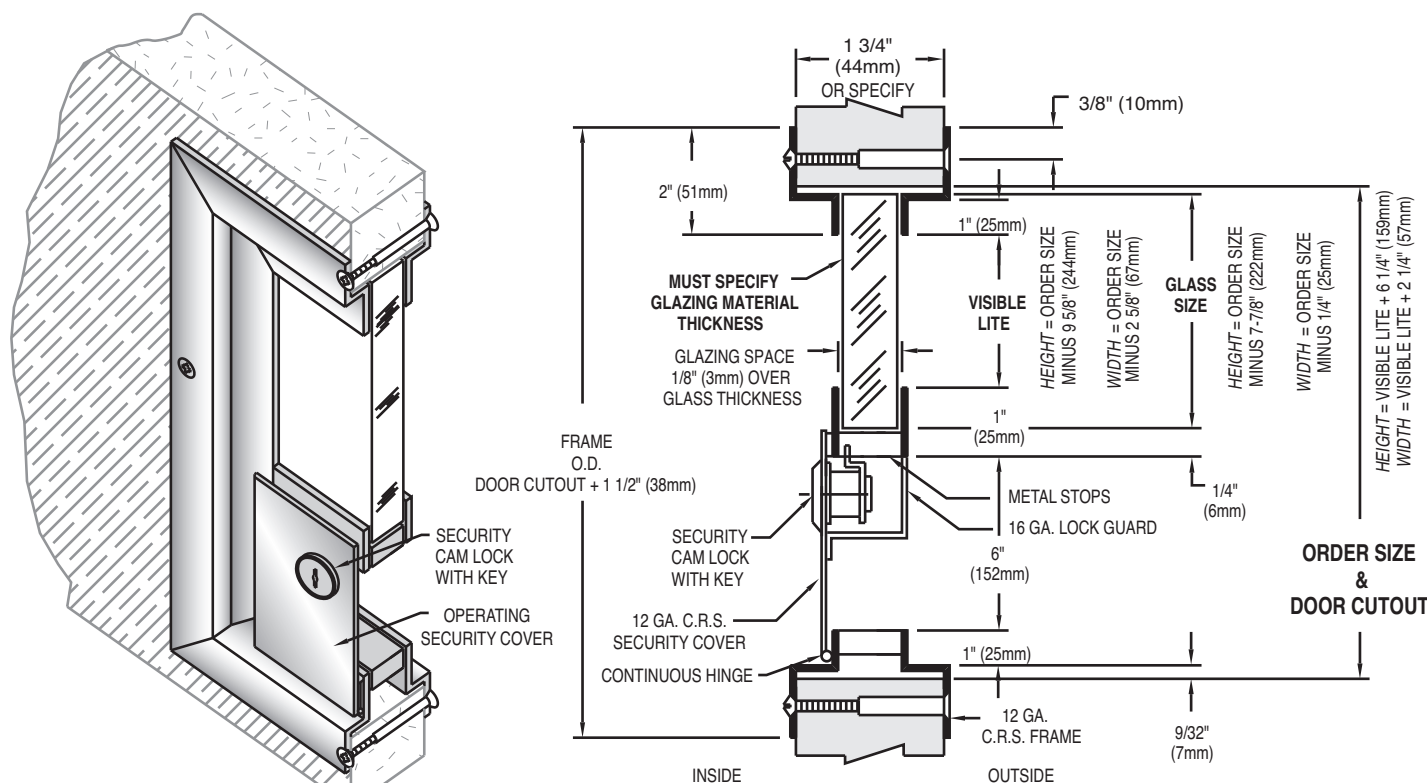
e-mail: door@anemostat.com • website: www.anemostat.com

SG-12-LCP

SECURITY
VISION FRAME
WITH
LOCKING
CUFF PORT / FOOD PASS

NOT FIRE RATED

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- MATERIAL:** 12 GA. (2.5mm) Cold Rolled Steel Frame on glass 3/16" (5mm) and up to 1 9/16" (40mm) thick.
- SECURITY COVER:** 16 GA. (1.7mm) cold rolled steel plate with security keyed lock. Hinged to swing down for food pass or cuff port.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 one way vandal proof security screw thru bolts with a blank head on one side for flush appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) (std) or up to 2 1/4" (57mm) (specify).
- GLAZING:** Thickness can range from over 3/16" (5mm) and up to 1 9/16" (40mm). Glazing space of 1/8" (3mm) over glass thickness is standard, allowing for glazing tape to be used on both sides of the glass.

OPTIONAL FEATURES

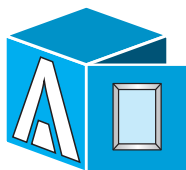
- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Hot Dipped, or Zinc Plated).
- FINISH:** Special Order Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- SPECIALS:** Fractional Sizes, Glass thickness 3/16" (5mm) and up to 1 9/16" (40mm) and Door thickness up to 2 1/4" (57mm).

FIRE RATINGS

SG-12-LCP is not fire rated

- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

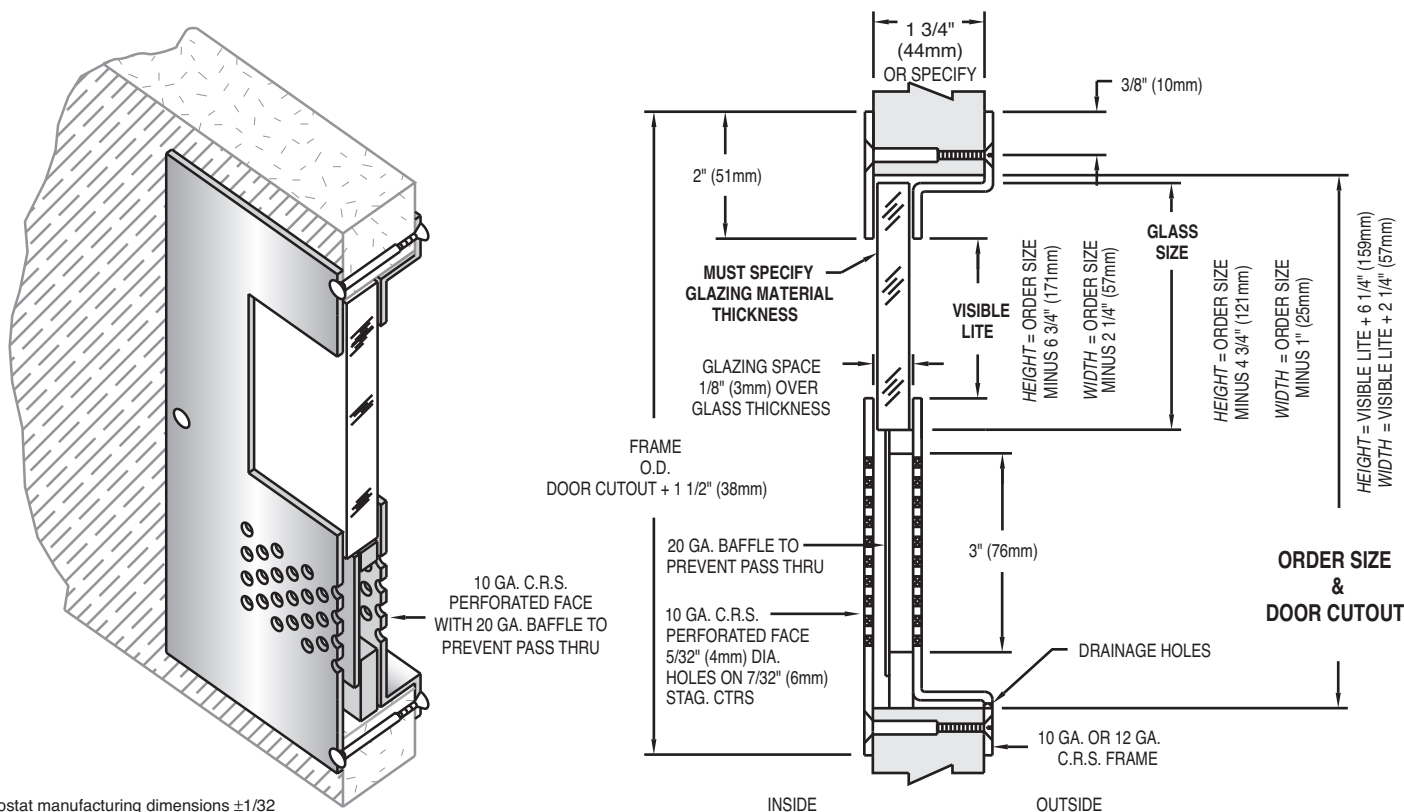
SG-10-SP

HIGH SECURITY
VISION FRAME
WITH
DOUBLE SPEAK PORT
(WITH BAFFLE)

NOT FIRE RATED

MEETS ASTM F-1450-97 †

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- **MATERIAL:** 10 GA. (3.4mm) Cold Rolled Steel Frame face frame (inside)
12 GA. (2.5mm) Cold Rolled Steel Frame back frame (outside)
- **SPEAK PORT:** Two 10 GA. (3.4mm) cold rolled steel plates with perforated
faces. 5/32" (4mm) diameter holes on 7/32" (5.5mm) staggered
centers, with 20 GA. (0.9mm) baffle to prevent the passing
of contraband.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the
perimeter of the door cutout. Frame has countersunk
mounting holes for #8x32 one way vandal proof
security screw thru bolts with a blank head on one
side for flush appearance.
- **DOOR THICKNESS:** For 1 3/4" (44mm) (std) or up to 2 1/4" (57mm) (specify).
- **GLAZING:** Thickness can range from over 3/16" (5mm) and up to
1 9/16" (40mm). Glazing space of 1/8" (3mm) over glass
thickness is standard, allowing for glazing tape to be used
on both sides of the glass.
- **NOTE:** For exterior use, High Humidity or Salt Air application, product
must be Galvanized or Stainless Steel.

OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized
(Hot Dipped, or Zinc Plated).
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied).
Plated Finishes to match the lock, hinges and closer.
- **FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- **SPECIALS:** Fractional Sizes, Glass thickness 3/16" (5mm) and up to
1 9/16" (40mm) and Door thickness up to 2 1/4" (57mm).

FIRE RATINGS

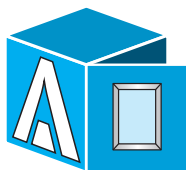
SG-10-SP is not fire rated

IMPACT RATINGS

† Tested in Compliance with ASTM F-1450-97 Must use 1/4" x 20 Thru Bolt blank
one side (not shown in drawing, see page 26 this section).

- **IMPORTANT:** Interpretation of building and fire codes may vary.
Consult with the local authority having jurisdiction in
your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

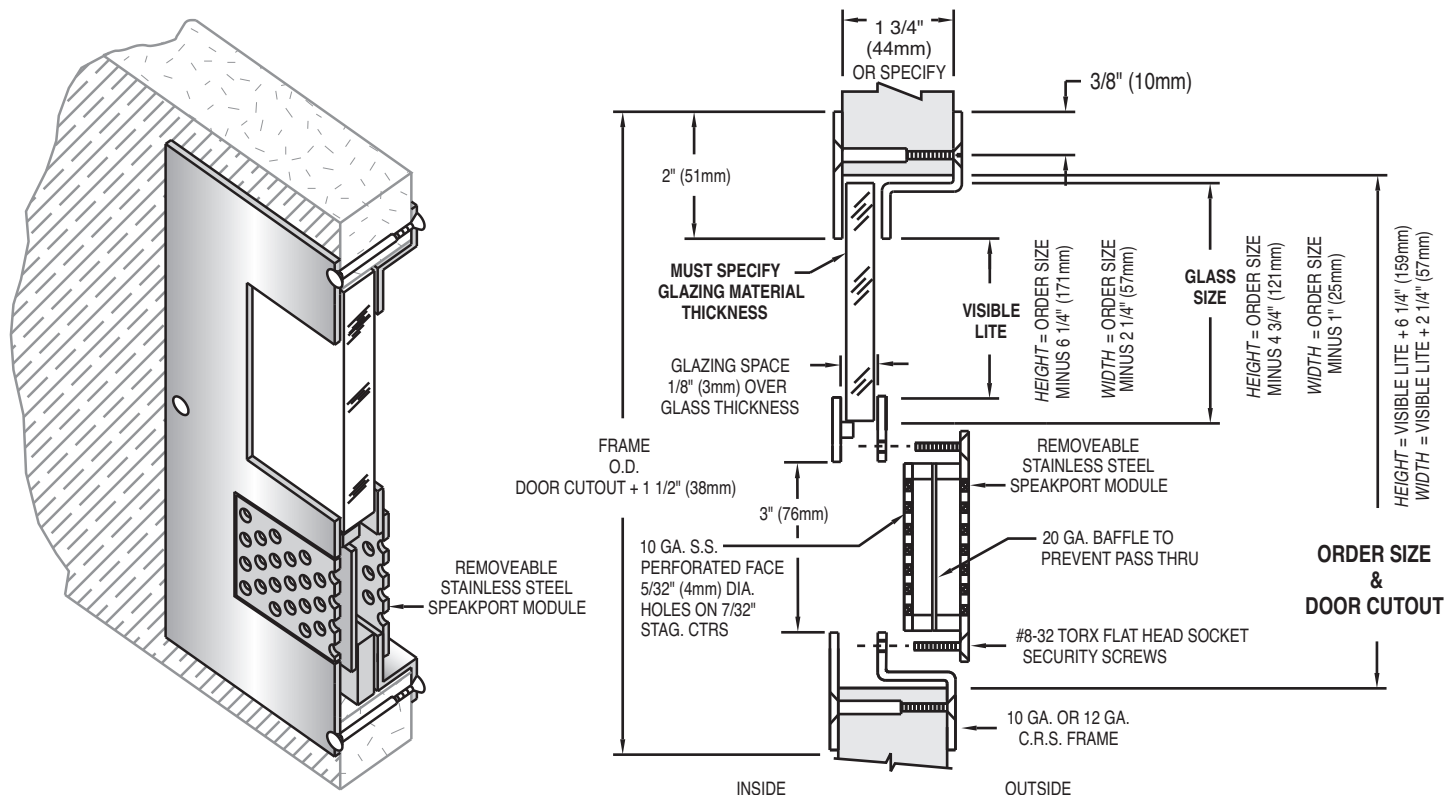
e-mail: door@anemostat.com • website: www.anemostat.com

SG-10-RSP

HIGH SECURITY
VISION FRAME
WITH
REMOVABLE DOUBLE
SPEAK PORT

NOT FIRE RATED

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- MATERIAL:** 10 GA. (3.4mm) Cold Rolled Steel Frame face frame (inside)
12 GA. (2.5mm) Cold Rolled Steel Frame back frame (outside)
- SPEAK PORT:** 10 GA. (3.4mm) stainless steel plate with perforated face. 5/32" (4mm) diameter holes on 7/32" (5.5mm) staggered centers. Module removeable for cleaning. 20 GA. stainless baffle prevents pass through of contraband.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 one way vandal proof security screw thru bolts with a blank head on one side for flush appearance. Module is secured with #8-32 Torx security screws.
- DOOR THICKNESS:** For 1 3/4" (44mm) (std) or up to 2 1/4" (57mm) (specify).
- GLAZING:** Thickness can range from 3/16" (5mm) and up to 1 9/16" (40mm). Glazing space of 1/8" (3mm) over glass thickness is standard, allowing for glazing tape to be used on both sides of the glass.

OPTIONAL FEATURES

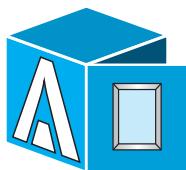
- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Hot Dipped, or Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- SPECIALS:** Fractional Sizes, Glass thickness 3/16" (5mm) and up to 1 9/16" (40mm) and Door thickness up to 2 1/4" (57mm).

FIRE RATINGS

SG-10-RSP is not fire rated

- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

SSD

SECURITY SLIDING DOOR
FOR SELECTIVE VISION
INTO HIGH SECURITY AREAS



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

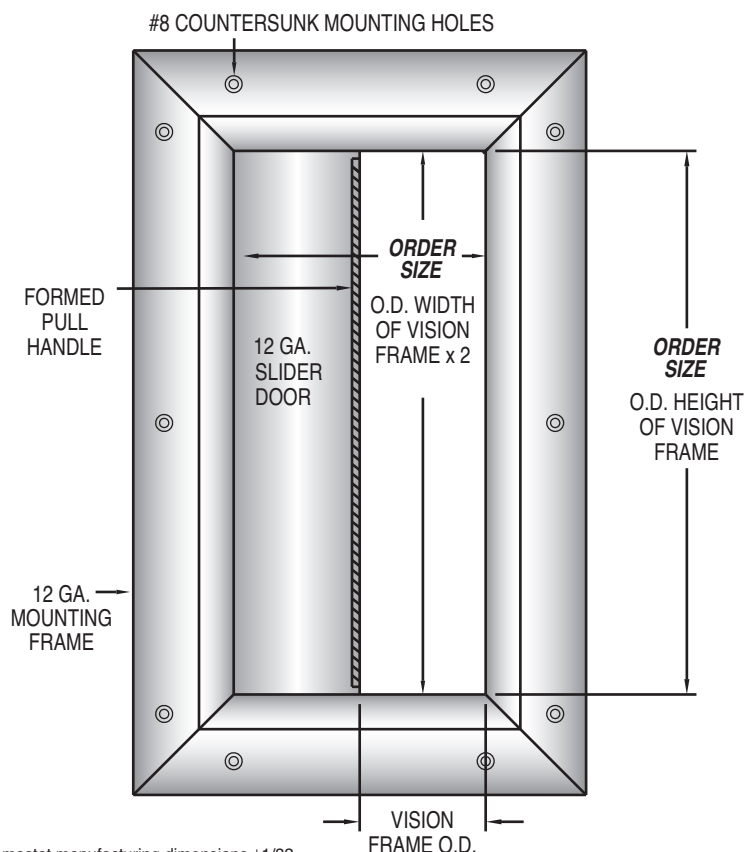


WARNOCK
HERSEY

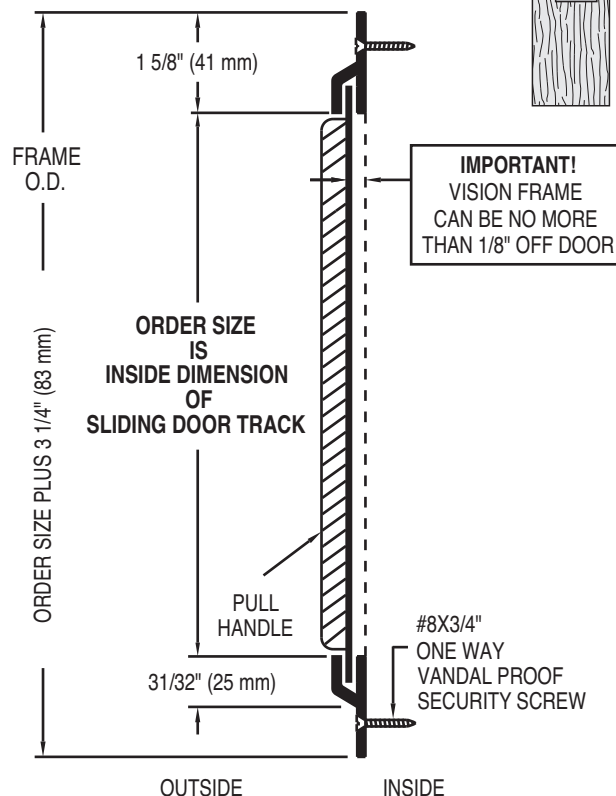
B.S.-476.22 British Standard

DETAIL DRAWING

NOTE: Door slides from side to side. Non-centered vision frame cutout is generally required, i.e. 12" x 12" LoPro vision frame requires 26" x 13" SSD with vision frame set to one side of door, not centered.



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



NOTE: When used with vision frame other than LoPro, or SG-10 outside dimensions of frame must be furnished.

STANDARD PRODUCT FEATURES

- MATERIAL:** 12 GA. (2.5mm) Cold Rolled Steel Channel Frame and Sliding Door.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** #8X3/4" one way vandal proof security screws.
- DOOR THICKNESS:** Works on Doors 3/4" (19mm) and greater.
- USES:** To provide selective vision into security areas. Use with Anemostat SG-10 security vision frame or LoPro™ (see tech. data sheet) or retrofit with existing vision lite kit (refer to dimensional data).
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

OPTIONAL FEATURES

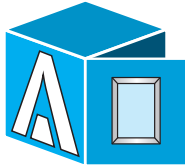
- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied).
- FASTENERS:** Special Security Screw Fasteners, See page 27, this section.
- SPECIALS:** Fractional sizes and other steel gauges (contact factory).

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45 MINUTE:** Approved listing at 1296 sq.in. (0.836 m²) visible lite max. width 36" (914mm), max. height 36" (914mm).
- 60/90 MINUTE:** Approved listing at 100 sq.in. (0.065 m²) visible lite max. width 10" (254mm), max. height 33" (838mm).

BS 476.22 Timber Doors - 30 min. and 1 hour.
British Standard Steel Doors - 2 hours (4 hours actual).

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

SG-10-SSD

HIGH SECURITY
METAL VISION FRAME
WITH SECURITY SLIDING DOOR



UNDERWRITERS'
LABORATORIES

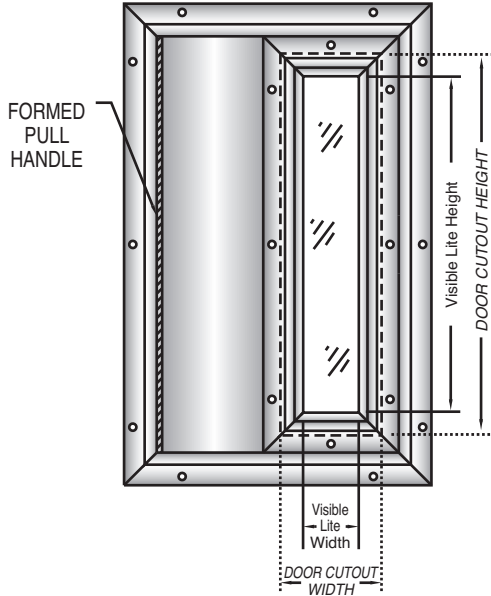
FIRE
RATINGS



WARNOCK
HERSEY

B.S.-476.22 British Standard

DETAIL DRAWING



NOTE: Width O.D. DIMENSION of SSD portion will be double the width of actual Door Order / Cutout size plus 6-1/4". Height O.D. DIMENSION will be actual Door Order / Cut-out size plus 4-3/4". Please consider your door width when ordering.

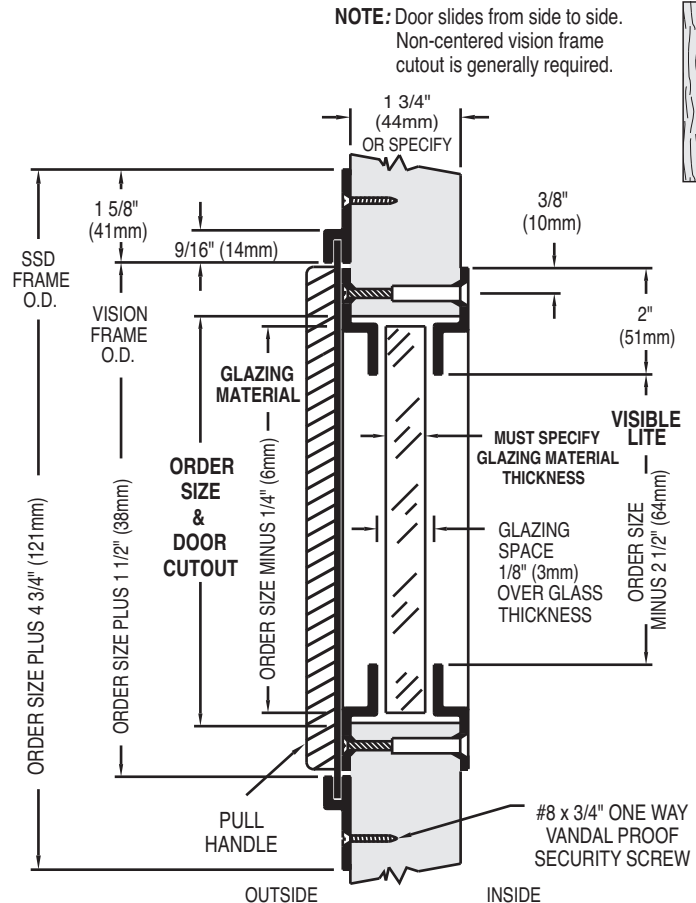
EXAMPLE: 12"x12" Order/Cut-out size= 30-1/4"(12"+12"+6-1/4")x16-3/4"(12"+4-3/4")

RECOMMENDATION: Do Not make cutouts in door prior to receiving SSD products.

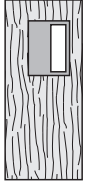
Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- MATERIAL:** SG-10 is: 10 GA. (3.4mm) C.R.S. Frame on glass 3/16" (5mm) to 1" (25mm) thick.
12 GA. (2.5mm) C.R.S. Frame on glass over 1" (25mm) to 1 9/16" (40mm) thick.
SSD is: 12 GA. (2.5mm) C.R.S. Frame and Sliding Door.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door around the perimeter of the door cutout. Vision Frame has countersunk mounting holes for #8x32 one way vandal proof security screw thru bolts with a blank head on one side for a flush appearance, and improved security. Sliding door frame fits over vision frame, and installs with #8 x 3/4" one way vandal proof security screws.
- DOOR THICKNESS:** For 1 3/4" (44mm) (std), or up to 2 1/4" (57mm) (specify).
- GLAZING:** Thickness can range from 3/16" (5mm) and up to 1 9/16" (40mm). Glazing space of 1/8" (3mm) over glazing material thickness is standard, allowing for glazing tape to be used on both sides of the glazing material. In order to maintain fire rating, glazing material should also be U.L. and/or W.H.I. listed.



NOTE: Door slides from side to side.
Non-centered vision frame
cutout is generally required.



OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied).
- FASTENERS:** Special Security Screw Fasteners, See page 26, this section.
- SPECIALS:** Fractional sizes and other steel gauges (contact factory)

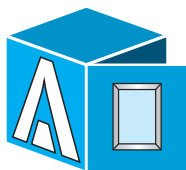
FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45 MINUTE:** Approved listing at 1296 sq.in. (0.836 m²) visible lite max. width 54" (1372mm), max. height 54" (1372mm).
- 60/90 MINUTE:** Approved listing at 100 sq.in. (0.065 m²) visible lite max. width 10" (254mm), max. height 33" (838mm).

BS 476.22 Timber Doors - 30 min. and 1 hour.
British Standard Steel Doors - 2 hours (4 hours actual).

- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

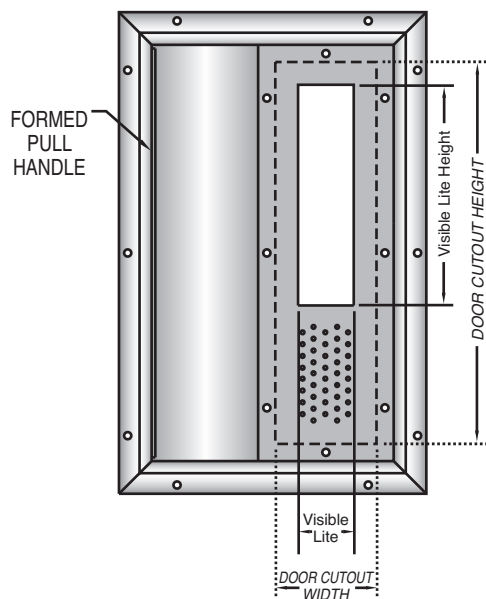
e-mail: door@anemostat.com • website: www.anemostat.com

SG-10-SP-SSD

HIGH SECURITY
METAL VISION FRAME WITH
SPEAK PORT AND
SECURITY SLIDING DOOR

NOT FIRE RATED

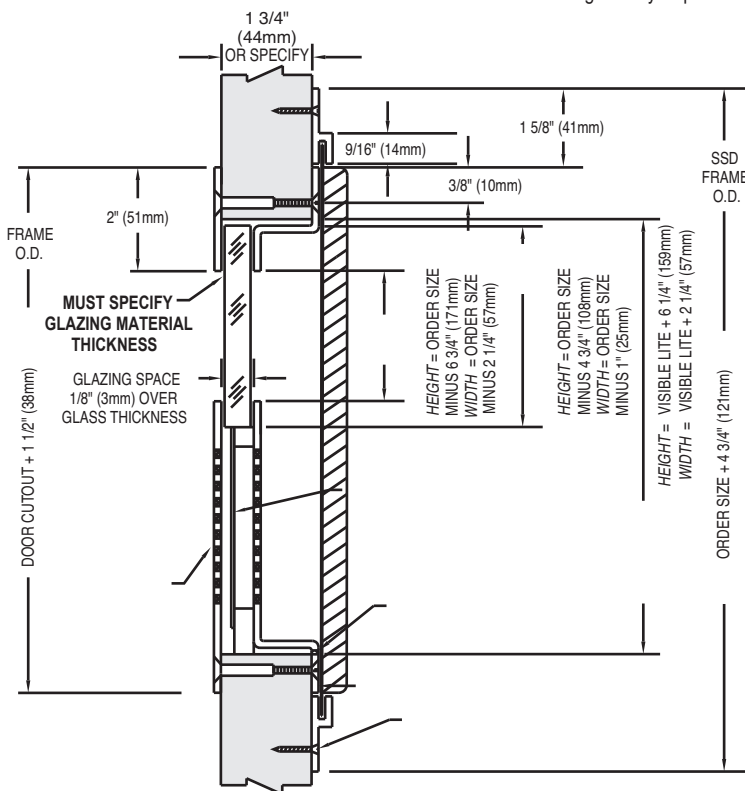
DETAIL DRAWING



NOTE: Width O.D. DIMENSION of SSD portion will be double the width of actual Door Order / Cutout size plus 6-1/4". Height O.D. DIMENSION will be actual Door Order / Cut-out size plus 4-3/4". Please consider your door width when ordering.

EXAMPLE: 12"x12" Order/Cut-out size= 30-1/4"(12"+12"+6-1/4")x16-3/4"(12"+4-3/4")

RECOMMENDATION: Do Not make cutouts in door prior to receiving SSD products.



NOTE: Door slides from side to side.
Non-centered vision frame
cutout is generally required.



STANDARD PRODUCT FEATURES

- MATERIAL:**
 - SG-10 is:** 10 GA. (3.4mm) C.R.S. Frame on glass 3/16" (5mm) to 1" (25mm) thick.
 - 12 GA. (2.5mm) C.R.S. Frame on glass over 1" (25mm) to 1 9/16" (40mm) thick.
 - SSD is:** 12 GA. (2.5mm) C.R.S. Frame and Sliding Door.
- SPEAK PORT:** Two 10 GA. (3.4mm) C.R.S. plates with perforated faces with 5/32" (4mm) diameter holes on 7/32" (5.6mm) staggered centers.
- FINISH:** Grey Primer, Beige or Bronzed Baked Enamel
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door around the perimeter of the door cutout. Vision Frame has countersunk mounting holes for #8x32 one way vandal proof security screw thru bolts with a blank head on one side for a flush appearance, and improved security. Sliding door frame fits over vision frame, and installs with #8 x 3/4" one way vandal proof security screws.
- DOOR THICKNESS:** For 1 3/4" (44mm) (std), or up to 2 1/4" (57mm) (specify)
- GLAZING:** Thickness can range from 3/16" (5mm) and up to 1 9/16" (40mm). Glazing space of 1/8" (3mm) over glass thickness is standard, allowing for glazing tape to be used on both sides of the glazing material.

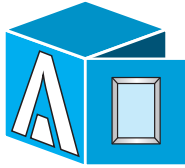
OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied)
- FASTENERS:** Special Security Screw Fasteners. See page 26, this section.
- SPECIALS:** Fractional sizes and other steel gauges (contact factory).

FIRE RATINGS

- SG-10-SP-SSD is not fire rated.**
- NOTE:** For exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

LoPro™-SSD

LO-PROFILE
METAL VISION FRAME WITH
SECURITY SLIDING DOOR



UNDERWRITERS'
LABORATORIES

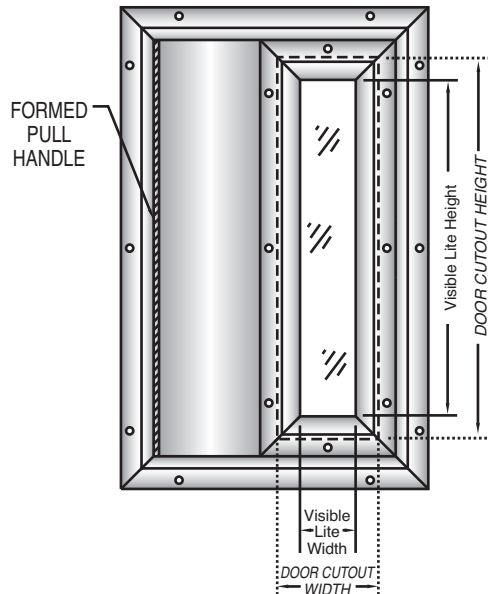
FIRE
RATINGS



WARNOCK
HERSEY

B.S.-476.22 British Standard

DETAIL DRAWING

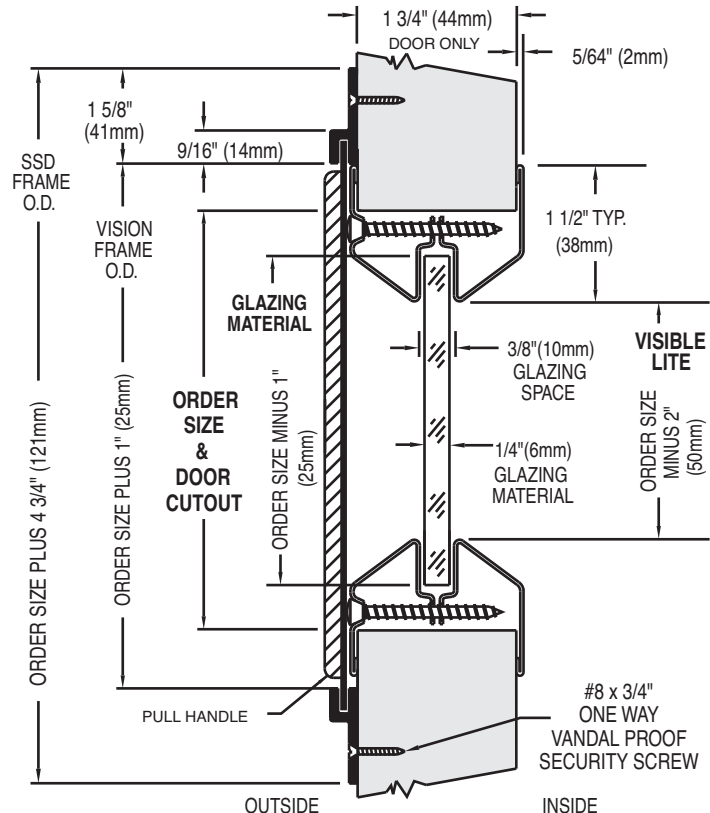


NOTE: Width O.D. DIMENSION of SSD portion will be double the width of actual Door Order / Cutout size plus 5-1/4". Height O.D. DIMENSION will be actual Door Order / Cut-out size plus 4-3/4". Please consider your door width when ordering.
EXAMPLE: 12"X12" Order/Cut-out size= 29-1/4"(12"+12"+5-1/4")x16-3/4"(12"+4-3/4")

RECOMMENDATION: Do Not make cutouts in door prior to receiving SSD products.

Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

NOTE: Door slides from side to side.
Non-centered vision frame
cutout is generally required.



STANDARD PRODUCT FEATURES

- MATERIAL:** LoPro: 20 GA. (1mm) (C.R.S. Frame
SSD: 12 GA. (2.5mm) C.R.S. Frame and Sliding Door
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel
- INSTALLATION:** Uses 1-3/4" (44mm) one way vandal proof sheet metal screws that pass thru the door cut-out, and fastens to the opposite side of the vision frame, thus eliminating the need to drill the door for thru bolt and saving installation time and labor. Sliding door frame fits over vision frame, and installs with #8 x 3/4" one way vandal proof security screws.
- DOOR THICKNESS:** For 1-3/4" (44mm) Wood or Metal doors.
- GLAZING:** Should be 1/4" (6mm) or 3/16" (5mm) fire rated with U.L. and/or W.H.I. classification markings. Nominal glazing space of 3/8" (19mm) allows for glazing tape to be used on both sides of the glass (See Glass and Glazing section).
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (satin), Galvanized (Coil, Hot Dipped, or Zinc Plated). SSD - Zinc Plated Only.
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied).
- FASTENERS:** Special Security Screws Fasteners, See page 26, this section.
- SPECIALS:** Fractional sizes

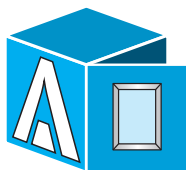
FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45 MINUTE:** Approved listing at 1296 sq. in. (0.836 m²) visible lite.
max. width 54" (1372mm), max. height 54" (1372mm)
- 60/90 MINUTE:** Approved listing at 100 sq. in. (0.065 m²) visible lite.
max. width 10" (254mm), max. height 33" (838mm)

BS 476.22 Timber Doors - 30 min. and 1 hour.
British Standard Steel Doors - 2 hours (4 hours actual).

- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

BR-7

BULLET AND IMPACT RESISTANT
METAL VISION FRAME



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

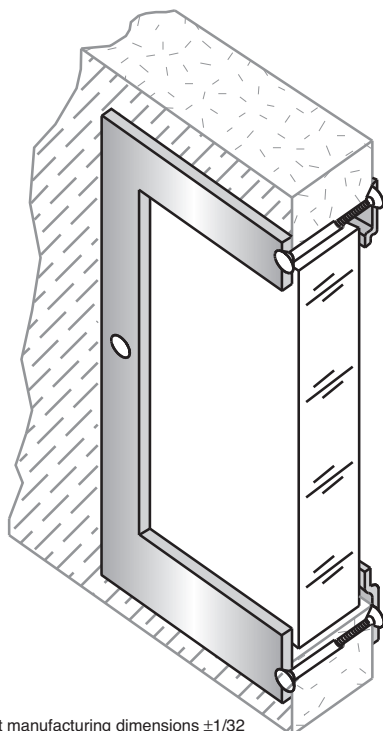


WARNOCK
HERSEY

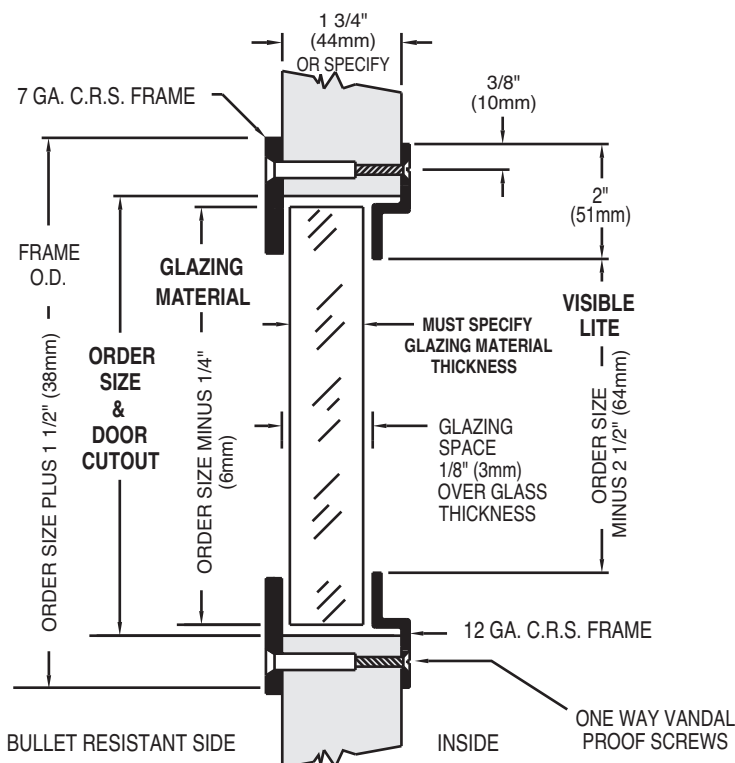
MEETS **ASTM F-1450-97** †

B.S.-476.22 British Standard

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 7 GA. (4.6mm) Cold Rolled Steel face plate frame.
Standard SG-10, 12 GA. (2.5mm) back plate frame.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- DOOR THICKNESS:** For 1 3/4" (44mm) (Std), or up to 2 1/4" (57mm) thick
- USES:** For areas where bullet resistance or protection from forced entry or attack is required.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Both sides of the frame have countersunk mounting holes for #8x32 one way vandal proof security screw thru bolts with a blank head on one side for improved security.
- GLAZING:** Thickness can range from 3/16" (5mm) up to 1 9/16" (40mm), depending on bullet resistance level, fire or attack standard required. Glazing space of 1/8" (3mm) over glazing material is standard, allowing for glazing tape to be used on both sides of the glazing material.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, Galvanized (Hot Dipped or Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied).
- FASTENERS:** Special Security Screw Fasteners, See catalog page 26 this section.
- SPECIALS:** Fractional sizes, Glazing (1/4 to 1-9/16"), and Door thicknesses, up to 2 1/4".

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45 MINUTE:** Approved listing at 1296 sq.in. (0.836 m²) visible lite max. width 54" (1372mm), max. height 54" (1372mm).
 - 60/90 MINUTE:** Approved listing at 100 sq.in. (0.065 m²) visible lite max. width 10" (254mm), max. height 33" (838mm).
 - 60*/90* MINUTE:** Approved listing at 1080 sq.in. (0.697 m²) visible lite max. width 35" (889mm), max. height 35" (889mm).
- *Must be used with 1-1/16" (27mm) or 1-9/16" (40mm) Pyrostop and fire listed glazing tape, and be used in an appropriately tested door assembly.

BS 476.22 Timber Doors - 30 min. and 1 hour.
British Standard Steel Doors - 2 hours (4 hours actual).

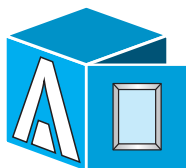
BULLET RESISTANCE, PHYSICAL ATTACK

- Bullet Resistance Test (Passed):** .44 Magnum and 12 Gauge Shotgun, UL 752-LVL-III.
- Impact Test (Passed):** Sledge Hammer attack portion of C.D.C. test requirements.

IMPACT RATINGS

† Tested in Compliance with **ASTM F-1450-97** Must use 1/4" x 20 Thru Bolt blank one side (not shown in drawing, see page 26 this section).

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

SG-12-LSC

HIGH SECURITY
METAL VISION FRAME WITH
LOCKING SECURITY COVER



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS



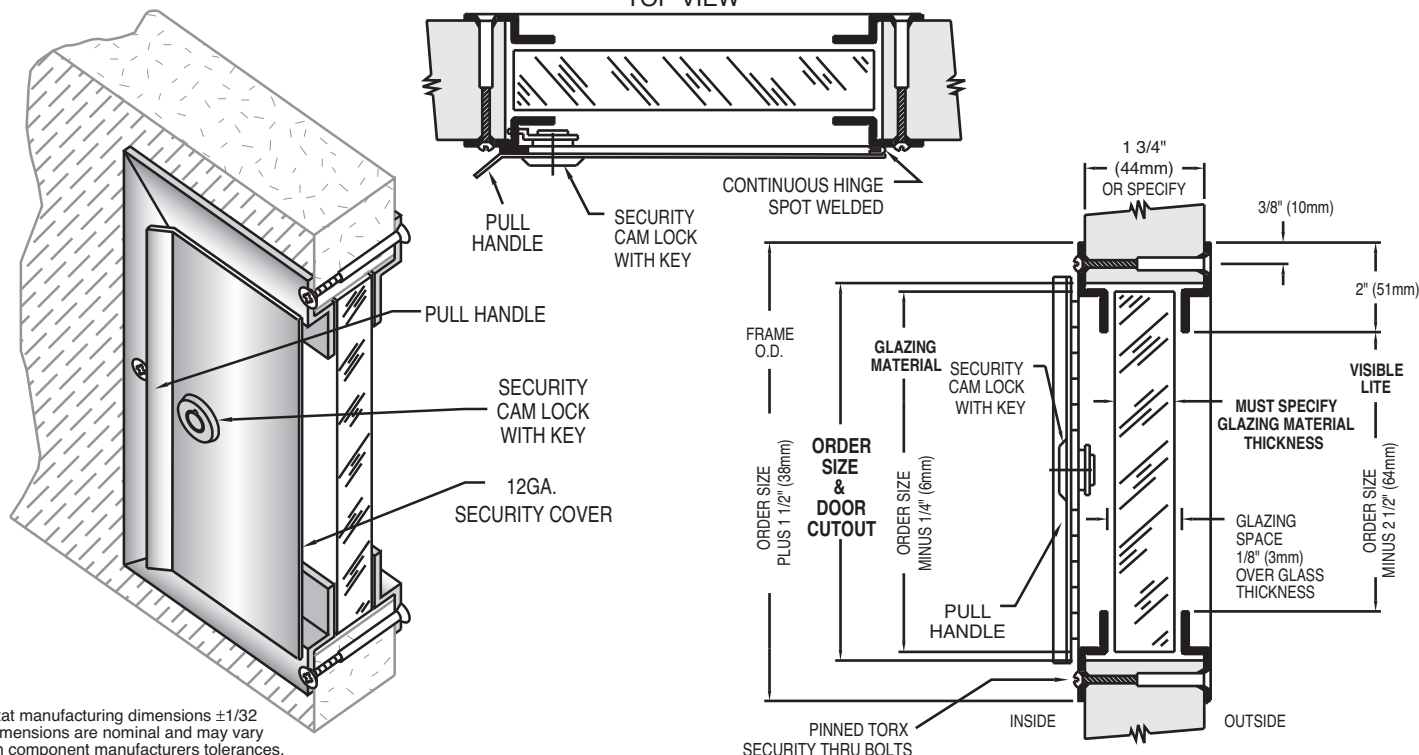
WARNOCK
HERSEY

MEETS **ASTM F-1450-97** †

B.S.-476.22 British Standard

DETAIL DRAWING

TOP VIEW



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- **MATERIAL:** 12 GA. (2.5mm) Cold Rolled Steel.
- **SECURITY COVER:** 12 GA. (2.5mm) C.R.S. operating panel spot welded with continuous hinge to one side of metal vision frame. Opens with a metal pull handle. Door is secured with a key operated cam lock.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel
- **INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door. Frame has countersunk mounting holes for #8x32 Pinned Torx security screw thru bolts with a blank head on one side for flush appearance.
- **DOOR THICKNESS:** For 1 3/4" (44mm) (std), or up to 2 1/4" (57mm) (specify).
- **GLAZING:** Thickness can range from 3/16" (5mm) up to 1 9/16" (40mm). Glazing space of 1/8" (3mm) over glass thickness is standard, allowing for glazing tape to be used on both sides of the glazing material.
- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with local authority having jurisdiction in your area, to determine appropriate standards.
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Hot Dipped, or Zinc Plated)
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- **FASTENERS:** Special Security Screw Fasteners, See page 26, this section.
- **SPECIALS:** Fractional Sizes, Glass 3/16" to 1 9/16" and Door (up to 2 1/4").

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

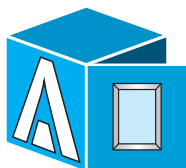
- **20/45/60* MINUTE:** Approved listing at 1296 sq. in. (0.836 m²) visible lite. max. width 54" (1372mm), max. height 54" (1372mm).
 - **60**/90** MINUTE:** Approved listing at 1080 sq. in. (0.697 m²) visible lite. max. width 35" (889mm), max. height 35" (889mm).
 - **60/90 MINUTE:** Approved listing at 100 sq. in. (0.065 m²) visible lite. max. width 10" (254mm), max. height 33" (838mm).
- *Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.
- **Must be used with 7/8" (23mm) or 1-1/16" (27mm) Pyrostop and fire listed glazing tape, and be used in an appropriately tested door assembly.

BS 476.22 Timber Doors - 30 min. and 1 hour.
British Standard Steel Doors - 2 hours (4 hours actual).

IMPACT RATINGS

† Tested in Compliance with **ASTM F-1450-97** Must use 1/4" x 20 Thru Bolt blank one side (not shown in drawing, see page 26 this section).

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FGS-75-SC

METAL VISION FRAME

WITH

OPERATING

SECURITY COVER



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

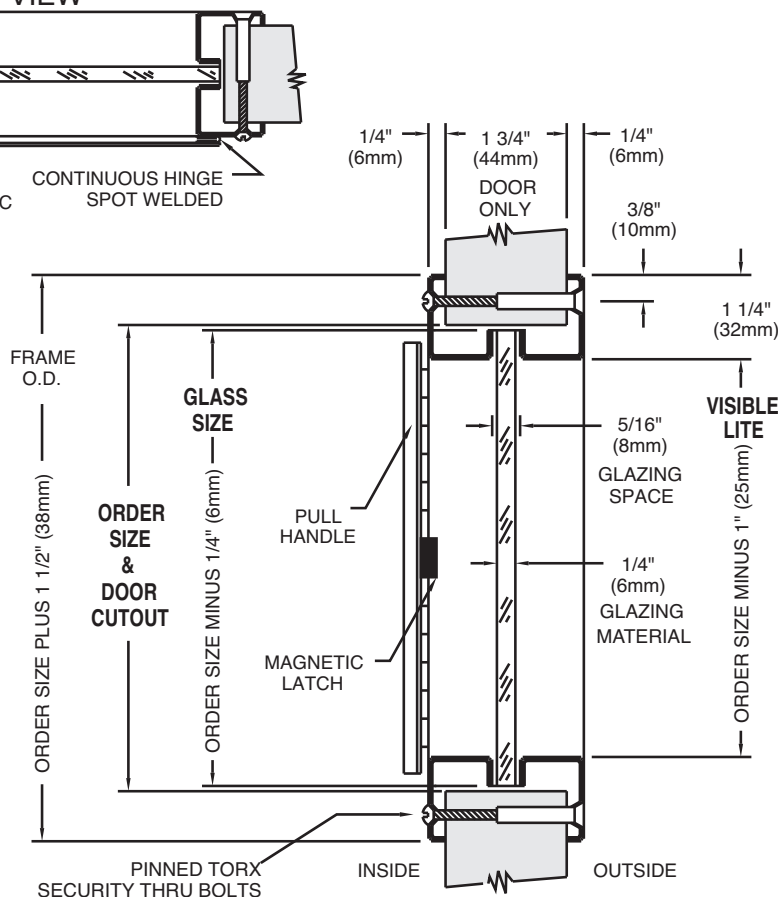
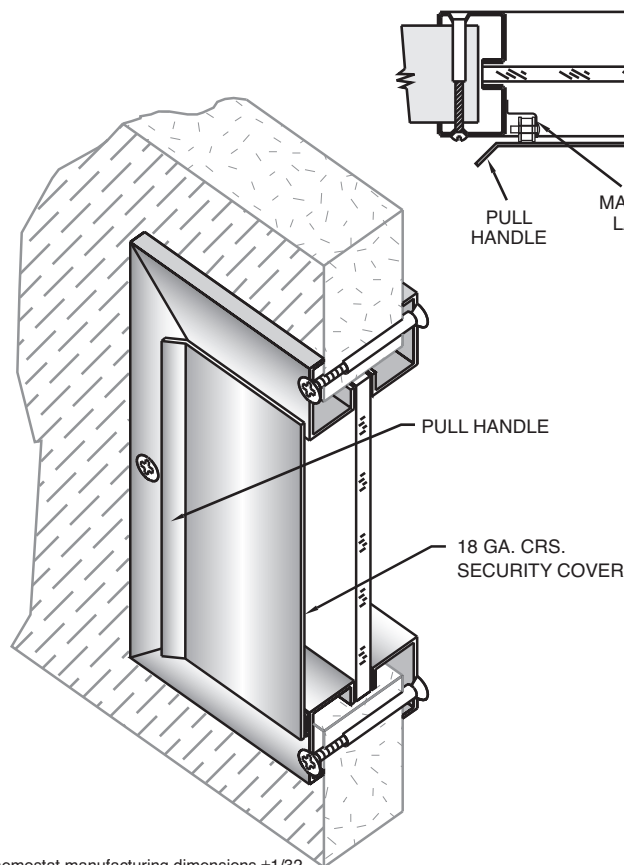


WARNOCK
HERSEY

B.S.-476.22 British Standard

DETAIL DRAWING

TOP VIEW



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel.
- SECURITY COVER:** 18 GA. (1.25mm) C.R.S. operating panel spot welded with continuous hinge to one side of metal vision frame. Closes to a magnetic latch. Opens with a metal pull handle.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 Pinned Torx security screw thru bolts with a blank head on one side for flush appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood and Metal Doors.
- GLAZING:** Should be 1/4" (6mm). Glazing space of 5/16" (8mm) allows for glazing tape to be used on both sides of the glass.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate Standards.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Sheet, Hot Dipped, or Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- SPECIALS:** Fractional Sizes, Lead Lined for X-ray applications, for Glass or Door thickness (FGS-IS-SC).

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

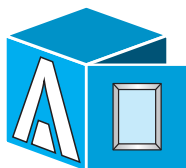
- 20/45/60*90*** MINUTE: Approved listing at 1296 sq.in. (0.836 m²) visible lite max. width 54" (1372mm), max. height 54" (1372mm).

* Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

BS 476.22 Timber Doors - 30 min. and 1 hour.
British Standard Steel Doors - 2 hours (4 hours actual).

- NOTE:** For exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FGS-75-LSC

METAL VISION FRAME
WITH
LOCKING SECURITY COVER



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

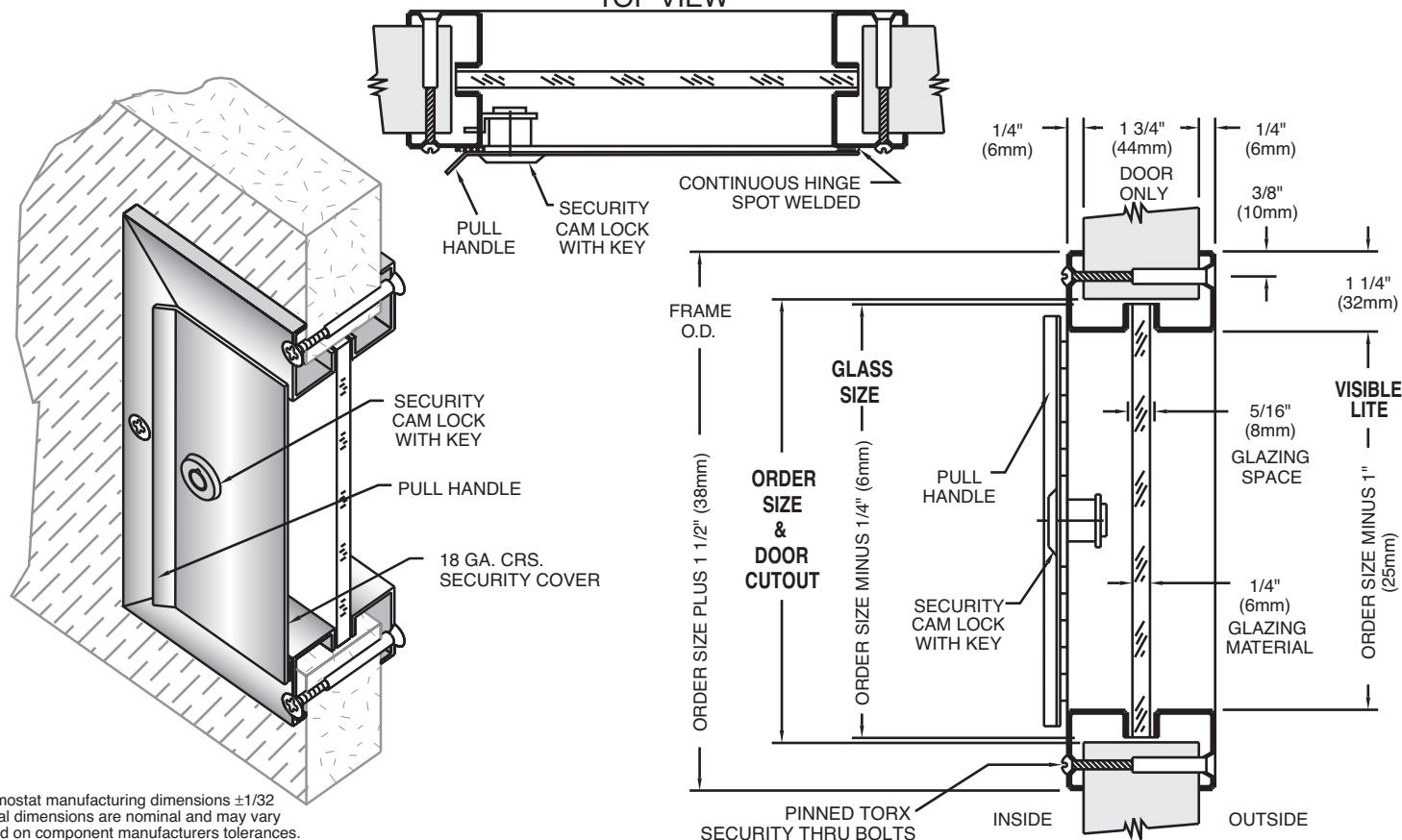


WARNOCK
HERSEY

B.S.-476.22 British Standard

DETAIL DRAWING

TOP VIEW



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- **MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel.
- **SECURITY COVER:** 18 GA. (1.25mm) C.R.S. operating panel spot welded with continuous hinge to one side of metal vision frame. Door is secured with key operated cam lock. Opens with a metal pull handle.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel
- **INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door. Frame has countersunk mounting holes for #8x32 Pinned Torx security screw thru bolts with a blank head on one side for flush appearance.
- **DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- **GLAZING:** Should be 3/16" (5mm) to 1/4" (6mm) only. Glazing space of 5/16" (8mm) allows for glazing tape to be used on both sides of the glass.
- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with local authority having jurisdiction in your area, to determine appropriate standards.

OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish(Satin), Galvanized (Sheet, Hot Dipped, or Zinc Plated)
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- **FASTENERS:** Special Security Screw Fasteners, See page 26, this section.
- **SPECIALS:** Fractional Sizes, Lead Lined for X-Ray applications, For other Glass or Door thickness (FGS-IS-LSC).

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

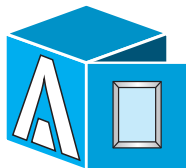
- **20/45/60*/90* MINUTE:** Approved listing at 1296 sq. in. (0.836 m²) visible lite. max. width 54" (1372mm), max. height 54" (1372mm)

*Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

BS 476.22 Timber Doors - 30 min. and 1 hour.
British Standard Steel Doors - 2 hours (4 hours actual).

- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

LoPro™-SC

METAL VISION FRAME
WITH
OPERATING
SECURITY COVER



UNDERWRITERS'
LABORATORIES

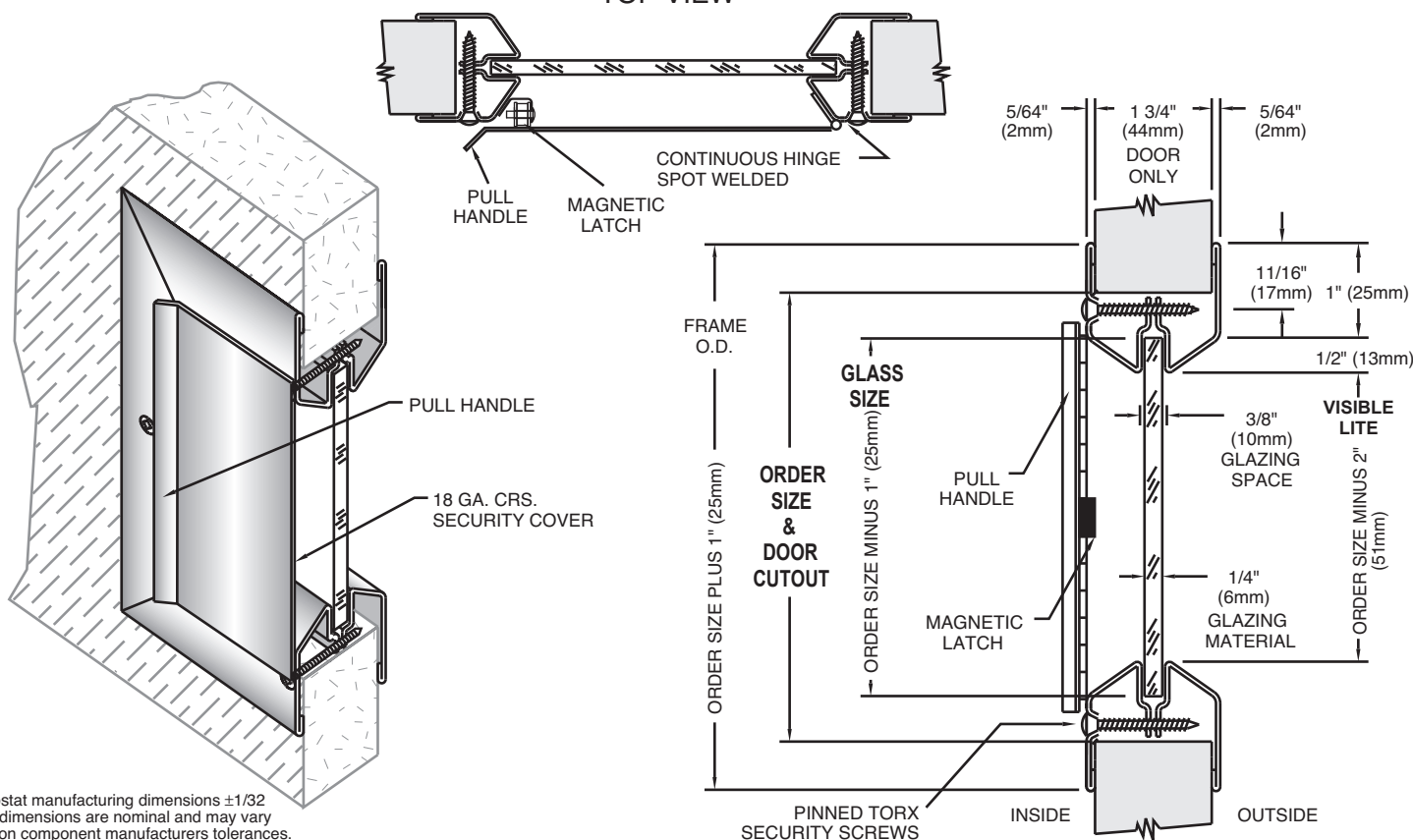
FIRE
RATINGS



WARNOCK
HERSEY

DETAIL DRAWING

TOP VIEW



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- **MATERIAL:** LoPro is: 20 GA. (1mm) C.R.S.
Operating Security Cover: 18 GA. (1.25mm) C.R.S.
- **SECURITY COVER:** 18 GA. (1.25mm) C.R.S. operating panel spot welded with continuous hinge to one side of metal vision frame. Closes to a magnetic latch. Opens with a metal pull handle.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** Vision Frame (LoPro) uses 1 3/4" (44mm) Pinned Torx security sheet metal screws that pass through the door cutout, and fastens to the opposite side of the vision frame, thus eliminating the need to drill the door for thru bolts and saving installation time and labor.
- **DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Door.
- **GLAZING:** Should be 1/4" (6mm), 3/16" (5mm) or 5/16" (8mm) glazing material. Nominal glazing space of 3/8" (10mm) allows for glazing tape to be used on both sides of the glass. (See Glass and Glazing Materials section)
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be galvanized or Stainless Steel.

OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish, Galvanized (Coil, Hot Dipped, or Zinc Plated).
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- **FASTENERS:** Special Security Screws, See page 26, this section.
- **SPECIALS:** Fractional sizes.

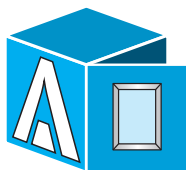
FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- **20/45/60*/90* MINUTE:** Approved listing at 1296 sq. in. (0.836 m²) visible lite. max. width 54" (1372mm), max. height 54" (1372mm)
- **3 HOUR:*** Approved listing at 100 sq. in. visible lite. max. width 12" (305mm), max. height 33" (838mm)

*Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

- **IMPORTANT:** Interpretation of building codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

LoPro™-GR

LO-PROFILE
METAL VISION FRAME WITH
SECURITY GRILLE ONE SIDE



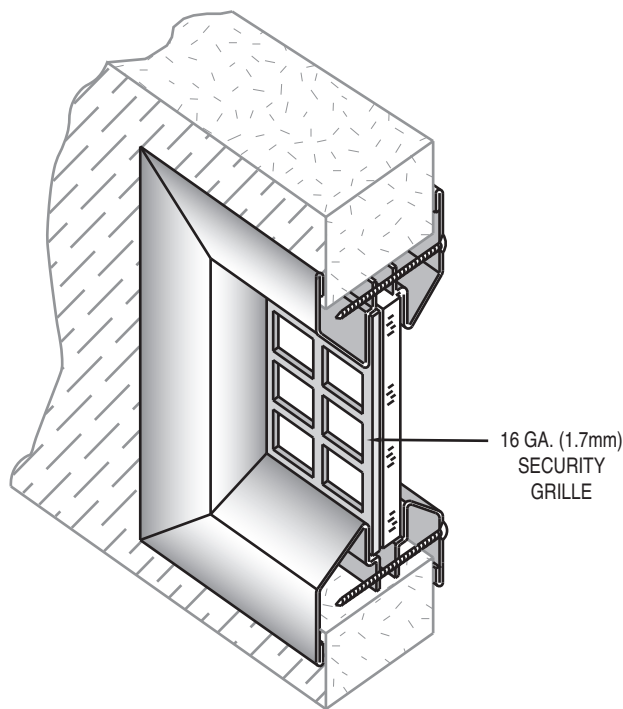
UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

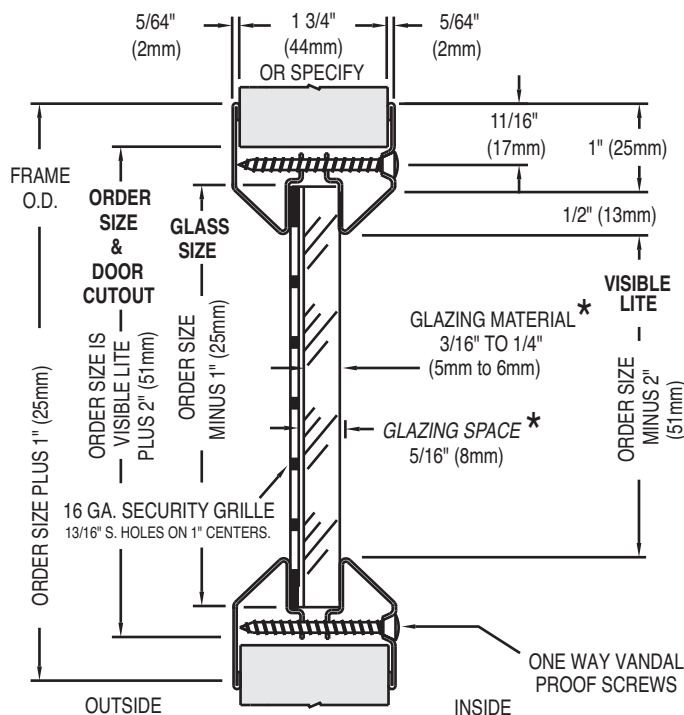


WARNOCK
HERSEY

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



* GLAZING SPACE and THICKNESS of GLAZING TAPE or COMPOUND USED WILL
VARY BASED on GLAZING MATERIAL THICKNESS

STANDARD PRODUCT FEATURES

- **MATERIAL:** 20 GA. (1mm) Cold Rolled Steel with 16 GA. grille welded to frame.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** Uses 1 3/4" (44mm) one way vandal proof security sheet metal screws that pass through the door cutout, and fastens to the opposite side of the vision frame, thus eliminating the need to drill the door for thru bolts and saving installation time and labor. It also leaves the corridor side of the frame free of fasteners for added security and a cleaner, more aesthetic appearance.
- **DOOR THICKNESS:** Specified by customer, 1 3/4" (44mm) is standard.
- **AESTHETICS:** Tight mitered corners, beveled glass stop and a low profile to provide a clean, tapered look.
- *** GLAZING:** Tolerance variances in door or glass thickness and type of glazing tape used will affect glazing space, as related to nominal glass dimensions and vision frame used (see Glass and Glazing Materials Section).
- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

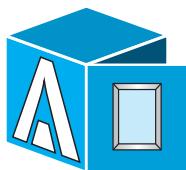
OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish(Satin), Galvanized (Hot Dipped, or Zinc Plated).
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- **FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- **SPECIALS:** Fractional Sizes. For Special Glass Thickness (LoPro™-IS-GR) up to 3/4" (19mm)

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- **20/45/60*90* MINUTE:** Approved listing at 1296 sq. (0.836 m²) in. visible lite. max. width 54" (1372mm), max. height 54" (1372mm)
- **3 HOUR*:** Approved listing at 100 sq. in. (0.065 m²) visible lite. max. width 12" (305mm), max. height 33" (838mm)
- ***Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.**
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

LoPro™ -SC-GR

LO-PROFILE

METAL VISION FRAME WITH
SECURITY GRILLE ONE SIDE AND
OPERATING SECURITY COVER



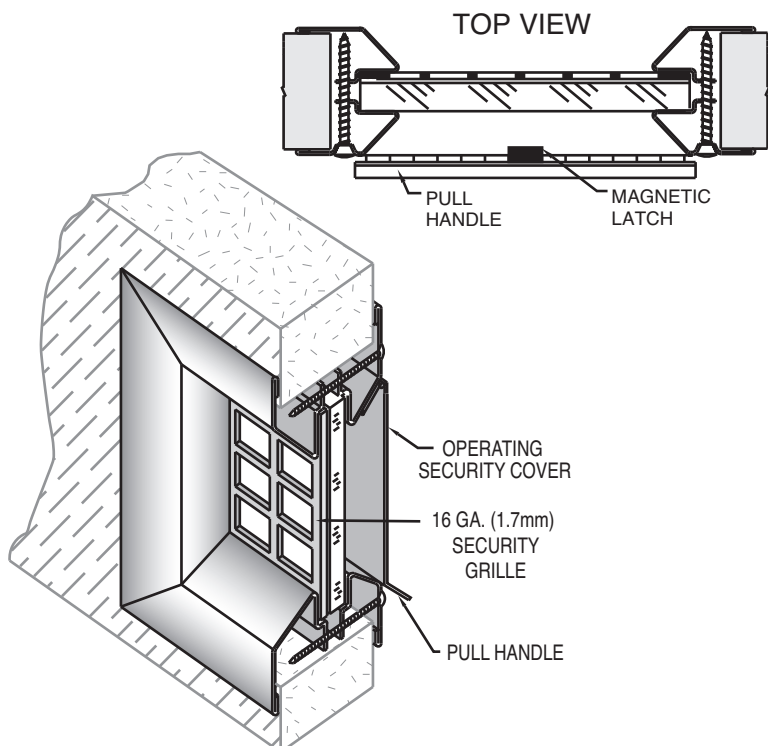
UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

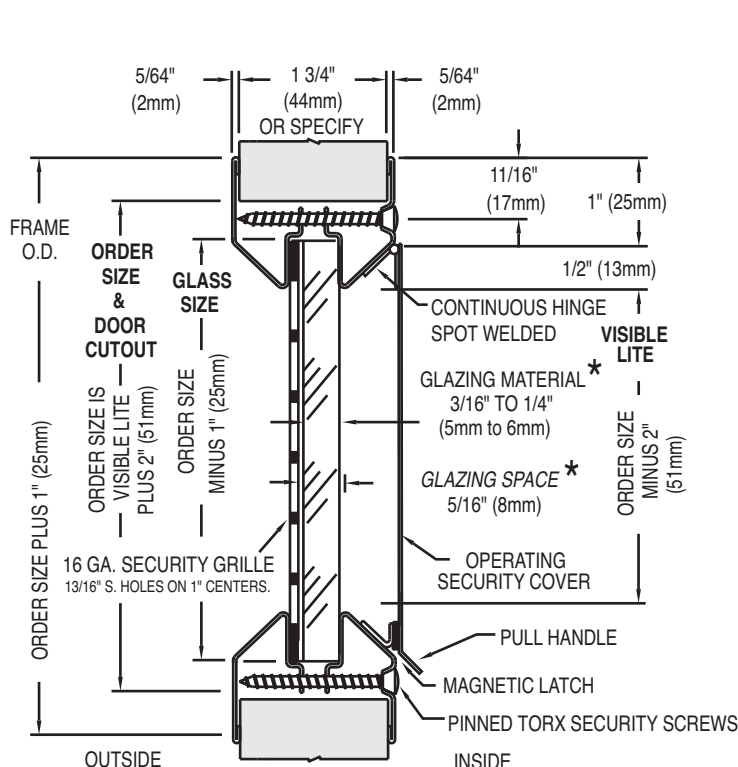


WARNOCK
HERSEY

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



*GLAZING SPACE and THICKNESS of GLAZING TAPE or COMPOUND USED WILL
VARY BASED ON GLAZING MATERIAL THICKNESS

STANDARD PRODUCT FEATURES

- **MATERIAL:** 20 GA. (1mm) Cold Rolled Steel with 16 GA. grille welded to frame.
- **SECURITY COVER:** 16 GA. (1.7mm) C.R.S. operating panel spot welded with continuous hinge to one side of metal vision frame. Closes to a magnetic latch. Opens with a metal pull handle.
- **FINISH:** Grey Primer, Beige, or Bronze Baked Enamel.
- **INSTALLATION:** Uses 1 3/4" (44mm) Pinned Torx security sheet metal screws that pass through the door cutout, and fastens to the opposite side of the vision frame, thus eliminating the need to drill the door for thru bolts and saving installation time and labor. It also leaves the corridor side of the frame free of fasteners for added security and a cleaner, more aesthetic appearance.
- **DOOR THICKNESS:** Specified by customer, 1 3/4" (44mm) is standard.
- **AESTHETICS:** Tight mitered corners, beveled glass stop and a low profile to provide a clean, tapered look.
- **GLAZING:** Tolerance variances in door or glass thickness and type of glazing tape used will affect glazing space, as related to nominal glass dimensions and vision frame used (see Glass and Glazing Materials Section).
- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish(Satin), Galvanized (Hot Dipped, or Zinc Plated).
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- **FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- **SPECIALS:** Fractional Sizes. For Special Glass Thickness (LoPro™ -IS-SC-GR) up to 3/4" (19mm)

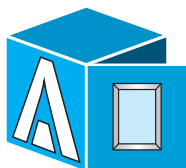
FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- **20/45/60*90* MINUTE:** Approved listing at 1296 sq. (0.836 m²) in. visible lite. max. width 54" (1372mm), max. height 54" (1372mm)
- **3 HOUR:*** Approved listing at 100 sq. in. (0.065 m²) visible lite. max. width 12" (305mm), max. height 33" (838mm)

*Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

SL-IS

METAL VISION FRAME
WITH SECURITY GRILLE FOR
STANDARD/SPECIAL DOOR OR
GLASS THICKNESS



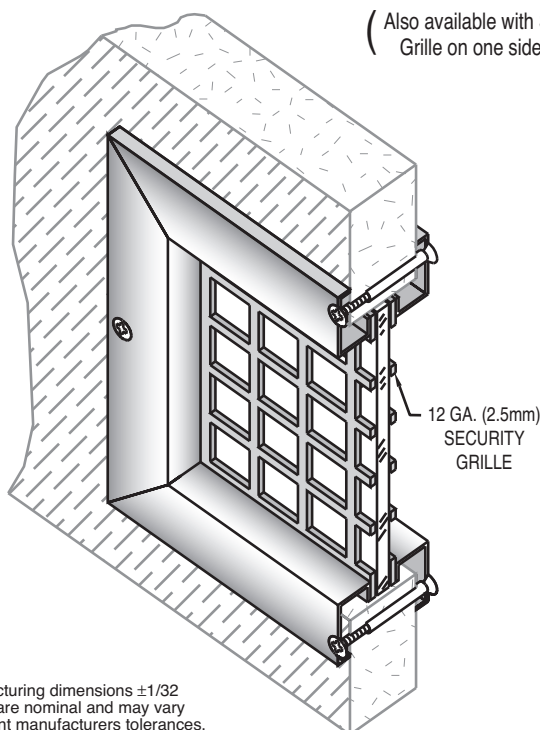
UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

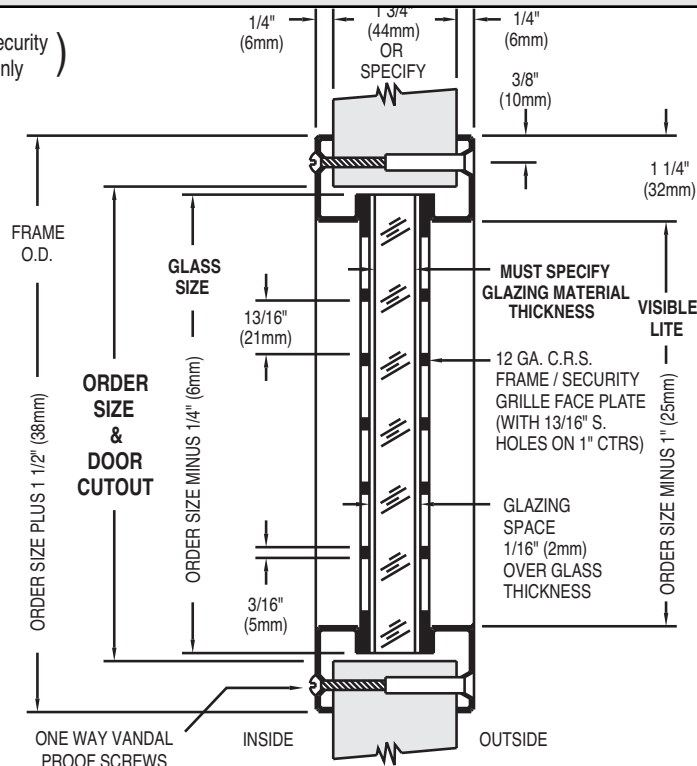


WARNOCK
HERSEY

DETAIL DRAWING



(Also available with Security
Grille on one side only)



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel Frame, with 12 GA. (2.5mm) Cold Rolled Steel Security Grille, 13/16" (21mm) square Holes on 1" (25mm) centers.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 one way vandal proof security screw thru bolts with a blank head on one side for flush appearance.
- DOOR THICKNESS:** 1 3/4" (44mm) (std), or up to 2 1/4" (57mm) (specify).
- GLAZING:** Thickness can range from over 3/16" (5mm) and up to 1 9/16" (40mm). Glazing space of 1/16" (1.6mm) over glass thickness is standard, allowing for glazing tape to be used on both sides of the glass.
- USES:** For use where visible lite is required, but security on one or both sides of the glass is necessary.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

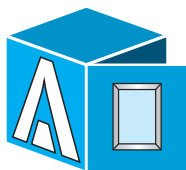
OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized Hot Dipped or Zinc Plated). Not available in Galvanized Sheet.
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- SPECIALS:** Fractional Sizes, Lead Lined for X-ray applications. Special Glass or Door Thickness.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45/60* MINUTE:** Approved listing at 1296 sq. in. (0.836 m²) visible lite. max. width 54" (1372mm), max. height 54" (1372mm).
- 60**/90** MINUTE:** Approved listing at 1080 sq. in. (0.697 m²) visible lite. max. width 35" (889mm), max. height 35" (889mm).
- 60/90 MINUTE:** Approved listing at 100 sq. in. (0.065 m²) visible lite. max. width 10" (254mm), max. height 33" (838mm).
- *Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.
- **Must be used with 7/8" (23mm) or 1-1/16" (27mm) Pyrostop and fire listed glazing tape, and be used in an appropriately tested door assembly.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FGS-MS-FR

METAL VISION FRAME
IMPACT AND SECURITY
RESISTANT



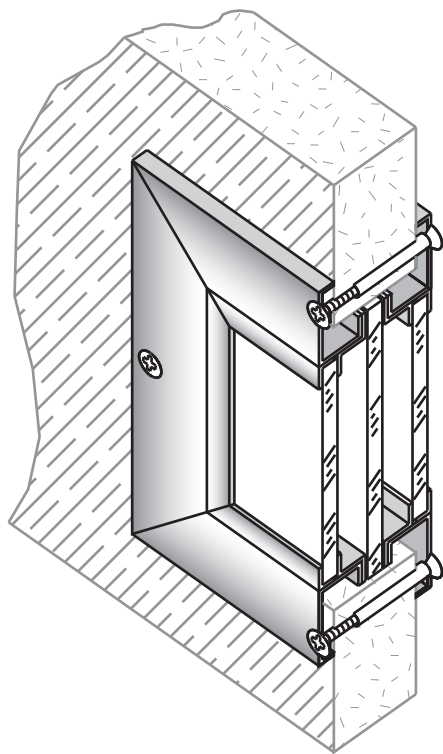
UNDERWRITERS'
LABORATORIES

FIRE
RATINGS

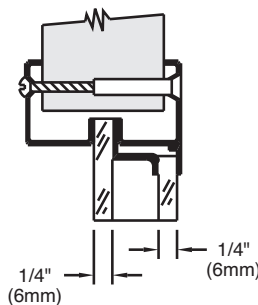


WARNOCK
HERSEY

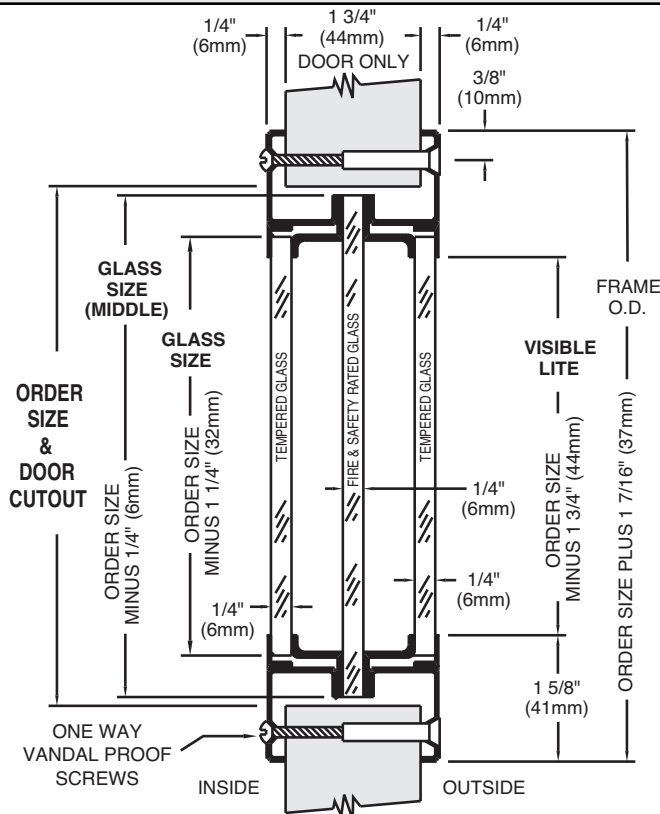
DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



FGS-MS5-FR



FGS-MS3-FR

STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel Frame
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 one way vandal proof security screw thru bolts with a blank head on one side for flush appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
- GLAZING:** Incorporates use of 1/4" (6mm) SAFE-Wire™ glass or 3/16" (5mm) FireLite® NT with 1/4" (6mm) tempered glass on the inside and/or outside of the security installation (must be purchased with frame).
- USES:** Where impact and fire ratings are both required. Medium security installations such as psychiatric hospitals.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area to determine appropriate standards.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Coil, Hot Dipped, or Zinc Plated)
- FINISH:** Custom Baked Enamel (as per sample chip supplied). Plated finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, see page 26 this section.
- SPECIALS:** Fractional sizes, Lead Lined for X-ray applications. Glass or Door Thickness (See SL-IS, SG-10 or FGS-IS). For Lead Lined and Fire Rated, FGS-MS-5 must be used. Lead and Fire Rated Glass must be supplied with FGS-MS-5 to maintain fire ratings.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

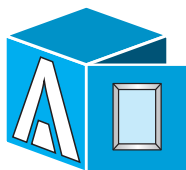
- 20/45/60*/90* MINUTE:** Approved listing at 1296 sq. in. (0.836 m²) visible lite. max. width 54" (1372mm), max. height 54" (1372mm).
- 60/90 MINUTE:** Approved listing at 100 sq. in. (0.065 m²) visible lite. max. width 10" (254mm), max. height 33" (838mm).

*Must be used with FIRELITE Plus or NT and Fire listed glazing tape or another manufacturer's equivalent product. Glazing combination must be used in appropriately tested door assembly.

IMPACT / SAFETY RATINGS

Meets ANSI Z97.1 and CPSC 16CFR-1201 (Cat. I and II)

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

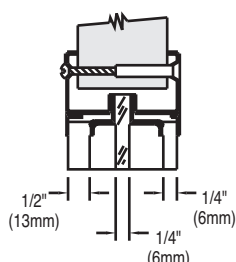
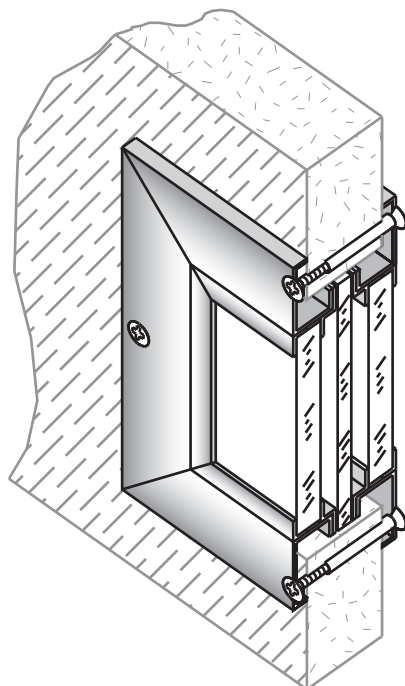
FGS-MS

METAL VISION FRAME

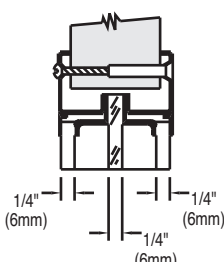
HIGH SECURITY
IMPACT RESISTANT

NOT FIRE RATED

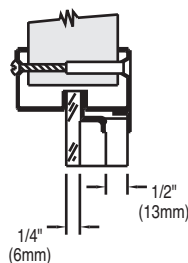
DETAIL DRAWING



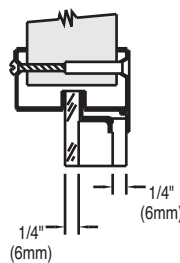
FGS-MS2



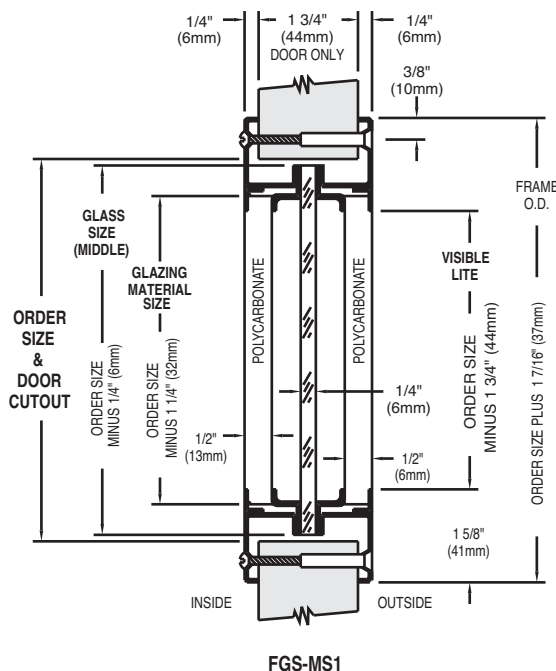
FGS-MS3



FGS-MS4



FGS-MS5



FGS-MS1

Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.25mm) Cold Rolled Steel Frame.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 one way vandal proof security screw thru bolts with a blank head on one side for flush appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors
- GLAZING:** Incorporates use of 1/4" (6mm) safety rated glazing with 1/4" (6mm) and/or 1/2" (13mm) glazing material on interior and/or exterior security installations.
- USES:** Products are designed for high and medium security installations where protection from vandalism, or forced entry/exit is necessary.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

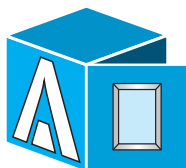
OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Coil, Hot Dipped, or Zinc Plated).
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- SPECIALS:** Fractional Sizes, Lead Lined for X-ray applications.

FIRE RATINGS

- FGS-MS is not fire rated.**
(For Fire Rating see FGS-MS-FR, page 18, this section)
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

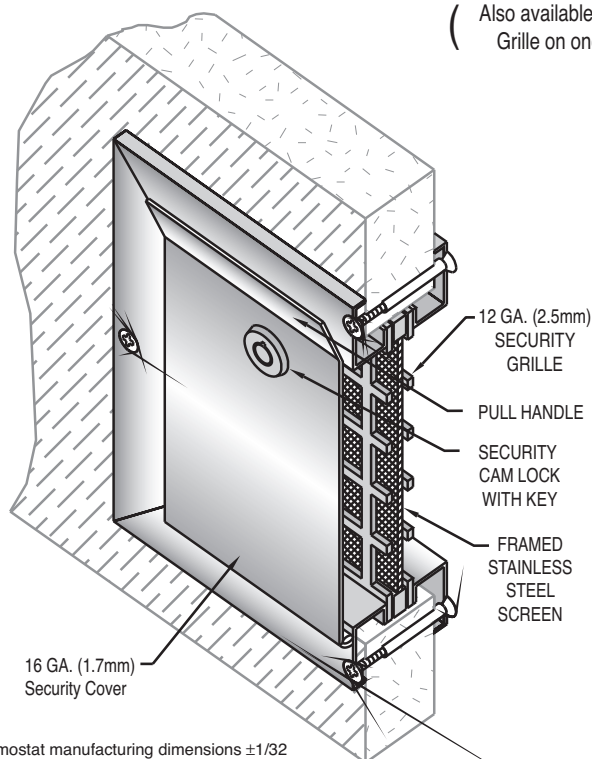
SL-FS-LSC

METAL VISION FRAME
WITH
STAINLESS STEEL SCREEN
AND
SECURITY GRILLE TWO SIDES
PLUS LOCKING
SECURITY COVER

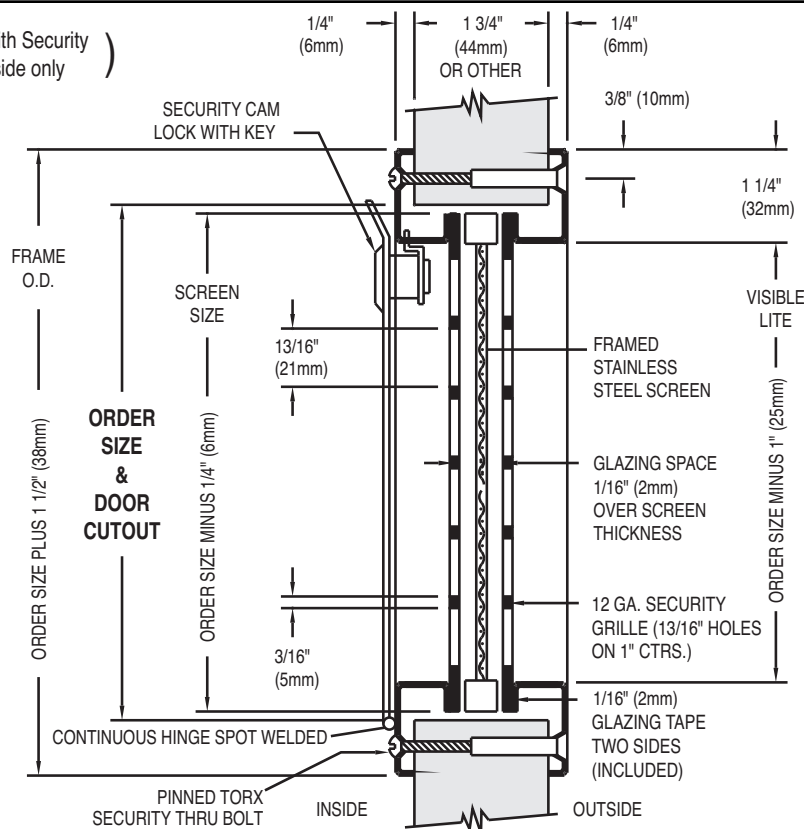
NOT FIRE RATED

DETAIL DRAWING

(Also available with Security
Grille on one side only)



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** Frame is 18 GA (1.25mm) CRS with 12 GA (2.5mm) CRS Security Grille two sides, 13/16" (21mm) square holes on 1" (25mm) centers welded to each side of vision frame.
- SECURITY COVER:** 16 GA (1.7mm) CRS operating panel, spot welded with continuous hinge to one side of the metal vision frame. Closes with a key operated cam lock.
- SCREEN:** Framed screen incorporates #304 stainless steel screen wire, .009" (.228mm) thick, using a 18-18 mesh to restrict penetration from insects. Screen material is installed into a .020" (.508mm) thick mill finished aluminum frame.
- GLAZING TAPE:** Framed screen is held in place with glazing tape on both sides, sandwiched between the security grilles using 1/16" thick, closed cell polyvinyl chloride foam tape sealant with pressure sensitive adhesive two sides.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Vision frame has countersunk mounting holes for #8x32 Pinned Torx security screw thru bolts with a blank head on one side for flush appearance.
- DOOR THICKNESS:** Specified by customer, 1 3/4" (44mm) is standard).
- USES:** For use where ventilation is required, but security on one or both sides of the screen is necessary, i.e. kitchen doors in schools or restaurants.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Hot Dipped or Zinc Plated). Not available in Galvanized Coil.
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- FASTENERS:** Special Security Screw Fasteners. See page 26, this section.
- SPECIALS:** Fractional Sizes, Gauge.

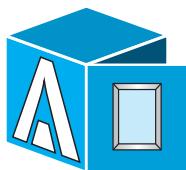
FIRE RATINGS

- SL-FS-LSC is not fire rated.**

NOTE: For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

IMPORTANT: Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

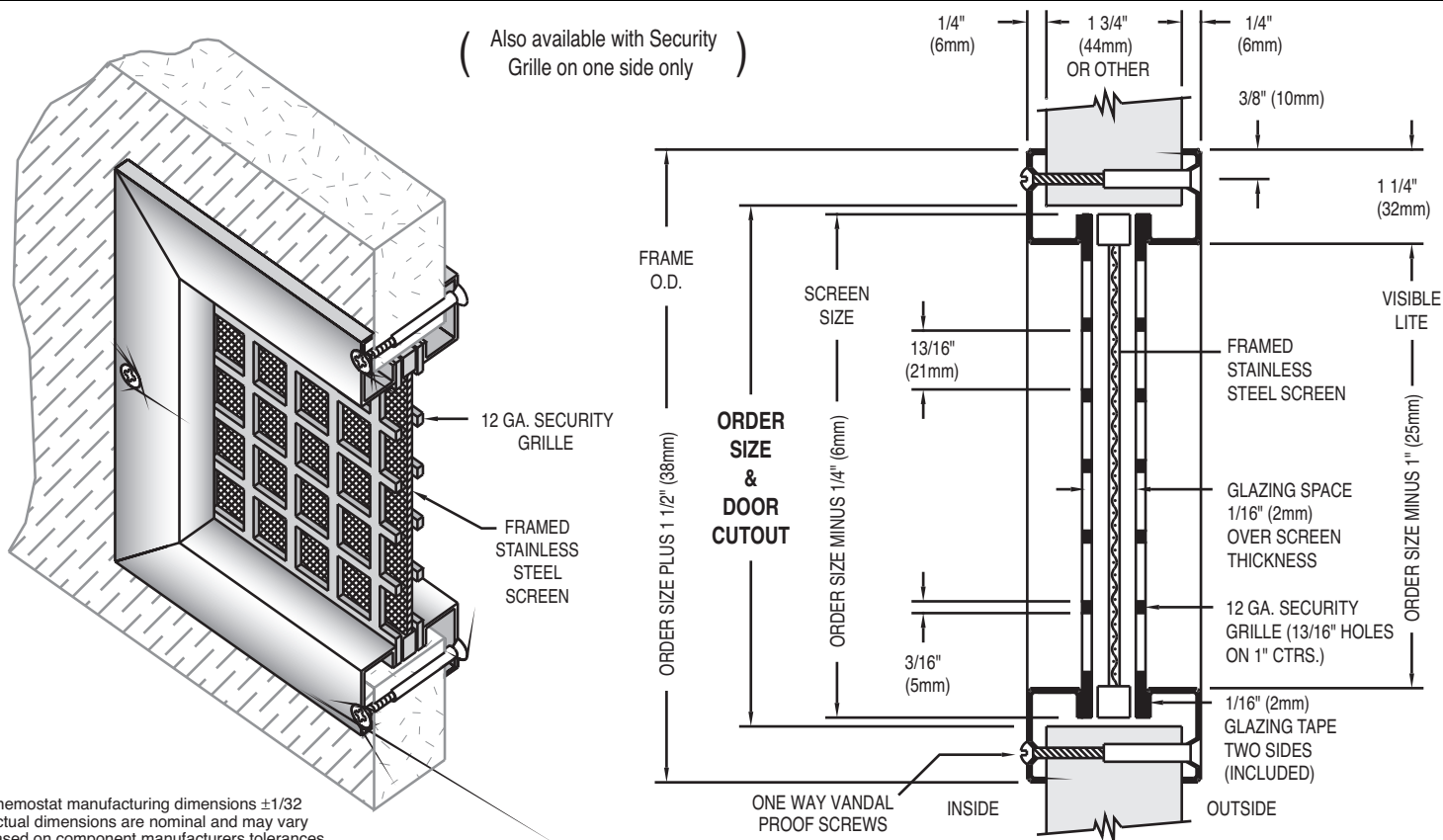
e-mail: door@anemostat.com • website: www.anemostat.com

SL-FS

METAL VISION FRAME
WITH
STAINLESS STEEL SCREEN
AND
SECURITY GRILLE TWO SIDES

NOT FIRE RATED

DETAIL DRAWING



STANDARD PRODUCT FEATURES

- **MATERIAL:** Frame is 18 GA (1.25mm) CRS with 12 GA (2.5mm) CRS Security Grille two sides, 13/16" (21mm) square holes on 1" (25mm) centers welded to each side of vision frame.
- **SCREEN:** Framed screen incorporates #304 stainless steel screen wire, .009" (.228mm) thick, using a 18-18 mesh to restrict penetration from insects. Screen material is installed into a .020" (.508mm) thick mill finished aluminum frame.
- **GLAZING TAPE:** Framed screen is held in place with glazing tape on both sides, sandwiched between the security grilles using 1/16" (1.6mm) thick, closed cell polyvinyl chloride foam tape sealant with pressure sensitive adhesive two sides.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Vision frame has countersunk mounting holes for #8x32 one way vandal proof security screw thru bolts with a blank head on one side for flush appearance.
- **DOOR THICKNESS:** Specified by customer, 1 3/4" (44mm) is standard.
- **USES:** For use where ventilation is required, but security on one or both sides of the screen is necessary, i.e. kitchen doors in schools or restaurants.
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

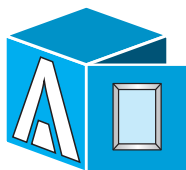
OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Hot Dipped or Zinc Plated). Not available in Galvanized Coil.
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied). Plated Finishes to match the lock, hinges and closer.
- **FASTENERS:** Special Security Screw Fasteners. See page 26, this section.
- **SPECIALS:** Fractional Sizes, Security cover, Gauge.

FIRE RATINGS

- **SL-FS is not fire rated.**
- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FASTENERS

FOR
SECURITY VISION FRAMES
AND
SECURITY DOOR LOUVERS

DETAIL DRAWING

STANDARD

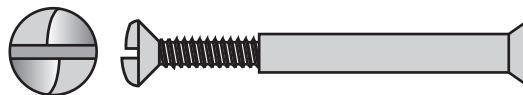


ONE WAY VANDAL
PROOF SECURITY SCREW

#8X1" USED FOR: DSFP, FLDL-UL-SG1, FLDL-UL-SG2

#8X3/4" USED FOR: SG-10-SSD, SSD

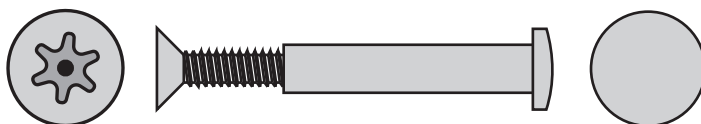
#8X1-3/4" USED FOR: LoPro-SC, LoPro-GR, LoPro-SC-GR, LoPro-SSD



#8X32 THRU BOLT, BLANK ONE END
USED FOR ALL MODELS: SG-10, SG-12,
SL-IS, FGS, PLSL AND BR-7



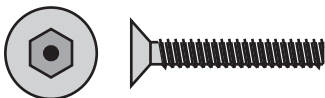
3/8"



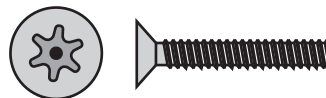
1/4"X20 THRU BOLT BLANK ONE END-MEETS ASTM F-1450-97
(MUST SPECIFY): SG-10, BR-7, SG-12-SP, SG-10-SP, SG-12-LSC

OPTIONAL SECURITY FASTENERS*

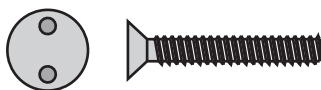
(Available on all Security Products)



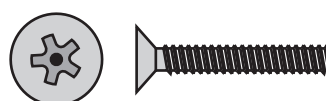
PINNED FLAT HEAD CAP SCREW
(TAMPER RESISTANT HEX SOCKET)



TORX FLAT HEAD SOCKET
SECURITY SCREW



SNAKE EYE SPANNER
FLAT HEAD SECURITY SCREW
(DRILLED SPANNER)



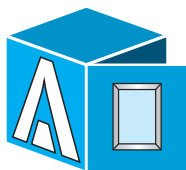
TORX-PLUS FLAT HEAD
SECURITY SCREW
(ONLY AVAILABLE ON
CERTAIN APPLICATIONS)



NOTCHED SPANNER
HEAD SCREW

*Screwdrivers and insert bits for Security Fasteners are available.
Consult Factory for Price and Availability.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

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e-mail: door@anemostat.com • website: www.anemostat.com

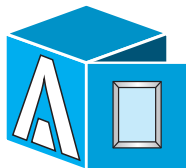
INDEX

FOR

GLASS AND GLAZING MATERIALS

DETAIL DRAWING

MODEL	DESCRIPTION	DATE PRINTED	PAGE
SAFE-Wire® Glass	1/4" Fire, Impact/Safety Rated with Safety Film.	March 2012	1
Wire Glass	1/4" Fire Rated	March 2012	2
Inspection Standards for Filmed Glazing		January 2015	3
Cleaning Instructions for FireLite & SAFE-Wire		July 2011	4
FAQ	FireLite Products	January 2015	5
FireLite Plus®	5/16" clear, Fire, Impact/Safety Rated	March 2012	6
FireLite® NT	3/16" clear, Fire, Impact/Safety Rated with Safety Film	March 2012	7
FireLite® IGU	1" Insulated Unit, Fire, Impact/Safety Rated	March 2016	8
FireLite®	3/16" clear Fire Rated.	March 2012	9
FireSAFE 20™	1/4" clear, Fire, Impact/Safety - 20 Min.	May 2012	10
Fireglass 20®	1/4" clear, Fire, Impact/Safety - 20 Min.	January 2015	11
FAQ	Pyrostop	January 2015	12
Pyrostop®	clear, Fire, Impact/Safety Rated	January 2013	13
Tempered Glass	1/4" Impact/Safety Rated	March 2012	14
Tempered IGU	1" Insulated Unit, Impact/Safety Rated	January 2015	15
Laminated IGU	1" Insulated Unit, Impact/Safety Rated	January 2015	16
X-Ray Glass	Radiation Protective Lead Glass	March 2012	17
Lexan MR-10® Sheet	1/8", 1/4", 3/8", 1/2" Polycarbonate	March 2012	18
MP-750	3/4" LEXGARD® Laminate	March 2012	19
MP-1000	1" LEXGARD® Laminate	March 2012	20
SP-1250	1 5/16" LEXGARD® Laminate	August 2014	21
Cleaning Instructions for Lexan		July 2011	22
Glazing Tape	1/32", 1/16", 1/8", 1/4" Fire Rated	August 2014	23



TECHNICAL DATA

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219


PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

SAFE-Wire®

1/4" (6mm)

WITH SURFACE APPLIED FILM
(Fire & Impact/Safety Rated)

FIRE RATED BY
 UNDERWRITERS'
LABORATORIES

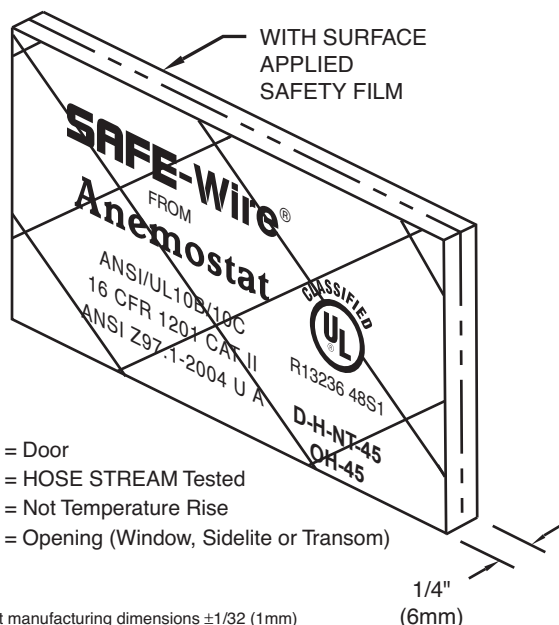


CATEGORY II IMPACT/SAFETY RATED
ANSI Z97.1 2004 U A

DETAIL DRAWING

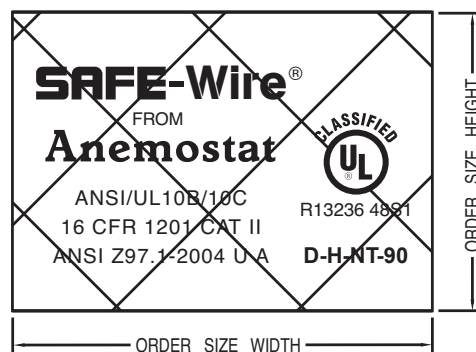
FIRE & SAFETY RATED

MEETS CURRENT IBC CODE REQUIREMENTS

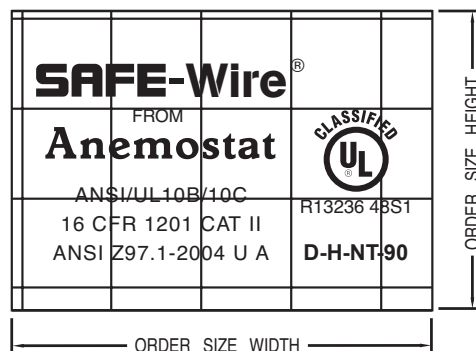


D = Door
H = HOSE STREAM Tested
NT = Not Temperature Rise
OH = Opening (Window, Sidelite or Transom)

Anemostat manufacturing dimensions $\pm 1/32$ (1mm)
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



3/4" (19mm)
Diamond
Pattern



1/2" (13mm)
Square
(Georgian)
Pattern

STANDARD PRODUCT FEATURES

- MATERIAL:** 1/4" (6mm) Polished wire glass with surface applied safety film.
- FINISH:** Clear with 3/4" x 3/4" (19mm x 19mm) diamond, or 1/2" x 1/2" (13mm x 13mm) square wire pattern.
- INSTALLATION:** SAFE-Wire shall be glazed into the appropriate fire rated framing with GT-18, 1/8" (3.2mm) fire rated glazing tape (supplied loose), to both sides of glass.
- CLASSIFICATION MARKINGS:** Each piece of cut to size 1/4" (6mm) SAFE-Wire glass is permanently etched with the listing mark of U.L., in accordance with standards set forth by N.F.P.A - 80 revised.
- USES:** SAFE-Wire glass is a fire and impact/safety rated glazing material, composed of polished wire glass and a special clear surface applied safety film. It carries a listing for use in INTERIOR Doors, Sidelites, Transoms and Borrowed Lites with fire ratings from 20 minutes to 90 minutes.
- NOTE:** Film is applied to one side of SAFE-Wire only. However, Fire Rating is not dependent on which way film faces in interior applications.
- Occasional process marks or small occlusions may occur due to the filming method employed in manufacturing this product. However, this does not affect the fire/safety performance or general vision area of the glazing and should not be a cause for rejection. Please refer to our Quality Specifications & Inspection Guidelines for Filmed Glazing for additional information (page 3).
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

OPTIONAL FEATURES

- SIZES:** Customized glass sizes to fit most any shape vision frame.

FIRE RATINGS (w/ U.L. classification marking) Positive Pressure

- 20 MINUTE:** Approved listing at 2994 sq.in. (1.932 m²) visible lite.
- 45 MINUTE:** Approved listing at 1296 sq.in. (0.836 m²) visible lite.
- 60/90 MINUTE:** Approved listing at 100 sq.in. (0.065 m²) visible lite.
- NOTE:** Labeled sizes over 1296 sq.in. (0.836 m²) are available providing installation application is appropriately fire rated.

IMPACT / SAFETY RATINGS

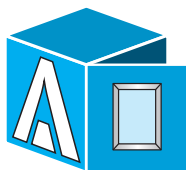
- Meets ANSI Z97.1-2004 U A and CPSC 16CFR-1201.
- Category I - up to 9 sq. ft. (0.837 m²)
- Category II - over 9 sq. ft. (0.837 m²)

SOUND RATINGS with LoPro-STC

- LoPro-STC with SAFE-Wire:** STC - 38
- TESTED SIZE:** 24" X 36" (610mm x 914mm) CUTOUT / ASSEMBLY
- TESTED IN ACCORDANCE WITH:** ASTM E90-09 and ASTM E2235-04. STC measurements determined in accordance with ASTM E413-04. Testing conducted at Western Electro - Acoustic Laboratory, Santa Clarita, CA.

* Fire Rated

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

WIRE GLASS

1/4" (6mm)

NOT SAFETY RATED



UNDERWRITERS'
LABORATORIES

FIRE
RATINGS



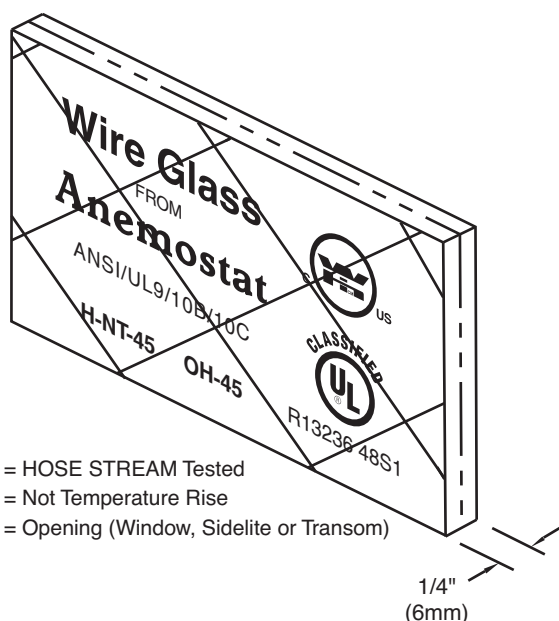
WARNOCK
HERSEY

DETAIL DRAWING

NON

IMPACT / SAFETY RATED PRODUCT

(Does Not Meet CPSC Cat I, Cat II or
ANSI-z97.1-2004 Impact Standards
required by Current IBC Codes)



H = HOSE STREAM Tested

NT = Not Temperature Rise

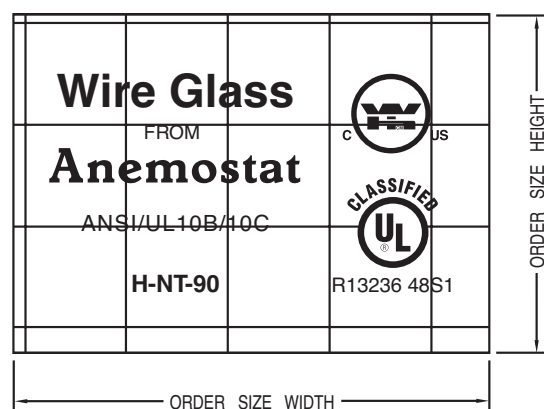
OH = Opening (Window, Sidelite or Transom)

1/4"
(6mm)

Anemostat manufacturing dimensions $\pm 1/32$ (1mm)
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



3/4" (19mm)
Diamond
Pattern



1/2" (13mm)
Square
Pattern

STANDARD PRODUCT FEATURES

- MATERIAL:** 1/4" (6mm) Polished wire glass.
- FINISH:** Clear with 3/4" x 3/4" (19mm x 19mm) diamond wire pattern or Clear with 1/2" x 1/2" (13mm x 13mm) square wire pattern.
- INSTALLATION:** Wire Glass shall be glazed into the appropriate fire rated framing with GT-18, 1/8" (3.2mm) fire rated glazing tape (supplied loose) applied to both sides of the glass.
- CLASSIFICATION MARKINGS:** Each piece of cut to size 1/4" (6mm) wire glass is permanently etched with the listing mark of U.L. and W.H.I., in accordance with standards set forth by N.F.P.A - 80 revised.
- USES:** In applications requiring a fire rating in a transom, wall or borrowed lite, and no safety rating is required.

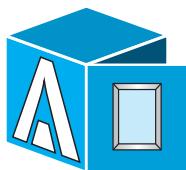
OPTIONAL FEATURES

- SIZES:** Customized glass sizes to fit most any shape.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20 MINUTE:** Approved listing at 2994 sq.in. (1.932 m²) visible lite
- 45 MINUTE:** Approved listing at 1296 sq.in. (0.836 m²) visible lite
- 60/90 MINUTE:** Approved listing at 100 sq.in. (0.065 m²) visible lite
- PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90 min., please consult with your Manufacturer's procedures, for their maximum glass size tested.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

QUALITY SPECIFICATIONS &
INSPECTION STANDARDS
FOR

SAFE-Wire®

and

FireLite® NT

FILMED GLAZING

DETAIL DRAWING

Applied film on flat glass surfaces is not expected to have the same level of visual quality as standard float glass. Inspect glass from a distance of 10ft (3.1m) at a 90 degree viewing angle to the specimen. Inspection should be carried out in natural daylight and not in direct sunlight. The normal vision area does not include the 2" (51mm) wide band around the perimeter of the unit.

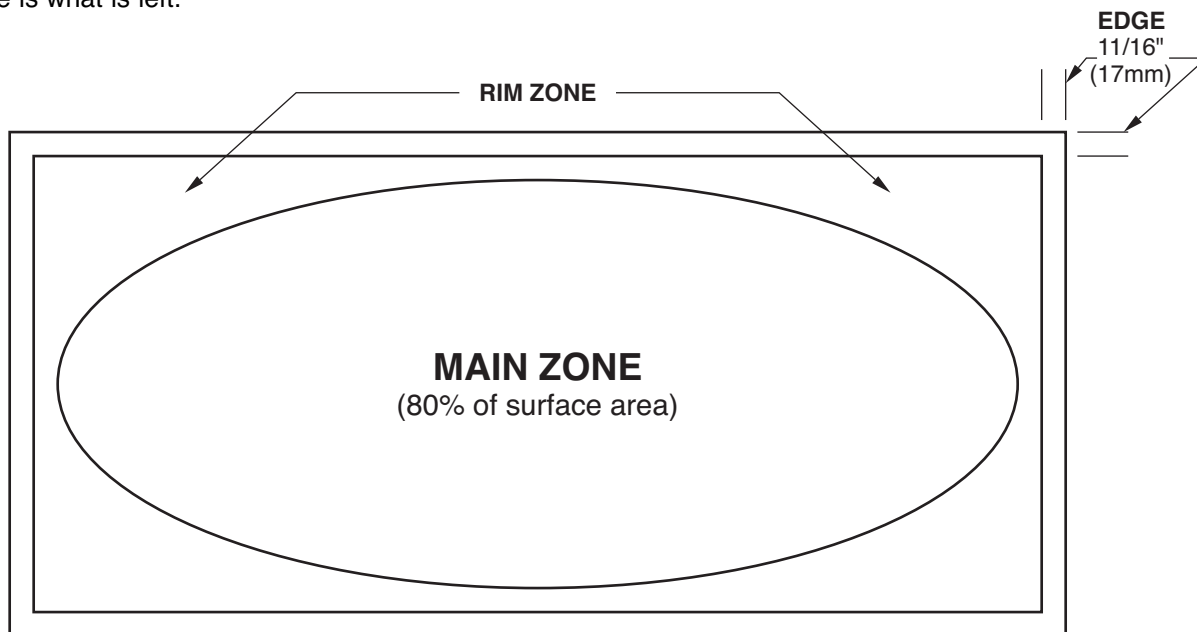
If a pinhole is readily apparent, the following criteria apply:

- Pinholes larger than 1/16" (1.6mm) in diameter are not allowed in 80 percent of the glass area.
- Pinholes larger than 1/8" (3.2mm) are not allowed in the outer 20 percent of the glass area.
- No more than two readily apparent blemishes are allowed in a 3" (76mm) diameter circle and no more than five readily apparent blemishes are allowed in a 12" (305mm) diameter circle.

If a scratch is readily apparent, the following criteria apply:

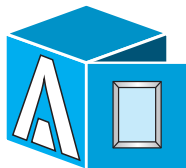
- Scratches up to 2" (51mm) are allowed in 80 percent of the central glass area.
- Scratches up to 3" (76mm) are allowed in the outer area.
- Concentrated scratches or abraded areas are not allowed.

When inspecting glass, the surface of the glass should be divided into three zones. The edge is the area from the edge to 11/16" (17mm) in. The Main zone is an oval in the center of the glass comprising 80% of the glass surface. The Rim zone is what is left.



When inspecting a piece of glass you should be standing 10 feet (3.1m) from the surface of the glass and at a 90 degree angle perpendicular to the glass surface. (Inspection Guidelines Similar to ASTM Standard C 1376)

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

CARE AND CLEANING
INSTRUCTIONS
FOR

FireLite®
PRODUCTS
and
SAFE-Wire®

Maintenance and Cleaning Instructions for FireLite® Products

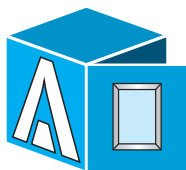
To maintain aesthetics, it is important to clean the glass during and after construction. For routine cleaning, use a soft, clean, grit-free cloth and a mild soap, detergent, or non abrasive window cleaning solution.

Rinse immediately with clean water and remove any excess water from the glass surface with a squeegee. Do not allow any metal or hard parts of the cleaning equipment to contact the glass surface.

Care and Cleaning Instructions for FireLite® NT and SAFE-Wire® (surface applied film) Products

1. Care must be taken not to scratch the film.
2. Do not use bristle brushes or abrasive cleaning materials.
3. Cleaning methods used should be similar to those used on Plexiglas.
4. A soft cloth or clean synthetic sponge is recommended for washing. Do not use the same towel or sponge for wiping sills or frames.
5. A squeegee of 70-85 durometer hardness is recommended for removal of wash water and dirt from the film.
6. Do not apply heavy pressure in any cleaning operation.
7. Do not leave the film wet.
8. Make sure you use a different sponge, cleaning cloth, and water bucket for the outside and the inside of the windows.
9. A little extra detergent for cleaning the film side will make using the squeegee easier.

**Failure to comply with these care and cleaning
guidelines may result in loss of warranty**



TECHNICAL DATA

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FREQUENTLY
ASKED
QUESTIONS

FireLite® PRODUCTS

What is it?

FireLite is a fire-rated glazing material which is different from ordinary window glass in that it is classified as a true ceramic. Because ceramic is resistant to high temperatures, FireLite is ideal for use in fire-rated doors and windows. Since FireLite looks and feels like ordinary glass, we often refer to it as "glass" or "glazing" to avoid confusion.

Why ceramic?

Ceramic is particularly well-suited for fire-rated applications because, unlike ordinary window glass, ceramic has a very low coefficient of thermal expansion. Just like steel and almost any other material used in building construction today, ordinary glass expands dramatically when subjected to the high temperatures inherent in a structural fire. This high level of expansion causes ordinary glass to break at a relatively low temperature of approximately 250° F (121° C). As a point of comparison, FireLite maintains its stability even in extreme conditions where temperatures may exceed 1800° F (982° C).

This low coefficient of expansion is also required for the glass to withstand thermal shock. Thermal shock occurs when hot glass is subjected to the rapid cooling effects of a sprinkler system or fire hose. The "shock" of the rapid change of expansion causes the glass to shatter, sometimes explosively. Because of the pervasive use of automatic sprinklers for fire suppression, and because fire fighters use fire hoses to attack a fire, the ability to withstand thermal shock is critical for fire-rated glazing. Stating that a fire-rated glazing product can withstand thermal shock is to say that it passed what is known as the hose stream test. As a point of clarification, fire-rated glass is required by US building codes and test standards to pass the hose stream test for use in all applications which require a fire rating of 45 minutes or higher. Beware of products that state that they can "withstand thermal shock from sprinklers" but then say that they "have not passed the hose stream test." There is no meaningful middle ground: Either a product does pass the hose stream test or it does not. Remember, if a product does not pass the hose stream test, then it may shatter or explode when hit by water, thus leaving no protection against the transfer of fire and deadly smoke. (Note: in Canada, all fire-rated glazing must pass the hose stream test.)

Does it have a tint?

A common question concerning FireLite is whether or not the product has any perceptible color. Due to the fact that ceramic is comprised of different basic ingredients than those used in the fabrication of ordinary window glass, FireLite appears to have a slight auburn tint, versus the blue or green hue commonly associated with window glass. In the case of window glass, the blue or green color tends to disappear once the glass is installed in a frame and light no longer refracts directly through the edge of the glass lite. This phenomenon is also true of FireLite, which tends to possess a neutral color once installed in a door or window frame.

What's the difference between Premium and Standard Grade FireLite?

"Premium Grade" FireLite is polished on both surfaces so that it is very nearly distortion free. "Standard Grade" FireLite is not polished, and therefore does have some slight, visible distortion. For applications where such distortion could be a concern, we strongly recommend obtaining samples prior to specification.

In 2010, FireLite® improved the color and clarity of the "Standard Grade" product, to the point that it is nearly indistinguishable from the "Premium Grade".

What's the difference between FireLite NT and FireLite Plus?

FireLite NT and FireLite Plus are the members of the FireLite family that meet all safety impact requirements (ANSI z97.1 2004 U A, CPSC 16 CFR 1201 Categories I and II) required for glazing applications in or near a door or near the floor. (Learn more about these safety impact test standards here.)

FireLite NT meets all safety impact requirement via a film applied to one side of the glass. FireLite NT is available in both Premium and Standard Grades.

FireLite Plus meets all safety impact requirements by laminating two pieces of FireLite together. FireLite Plus can be made from Premium or Standard Grade FireLite in its make-up. Also note that the laminate for FireLite Plus is a very special, fire-rated laminate. (Typical laminates are oil-based and are highly flammable.)

FireLite NT can be a more economical choice than FireLite Plus when addressing the need for fire-rated and safety impact-rated glazing. However, for high traffic areas or for areas prone to abuse (such as many applications in K-12 schools) FireLite NT (or any filmed product) may not be the best choice due to the exposed film that, while not obviously visible or soft, can be damaged by a errantly pushed cart or "determined" teenager. For such applications, the extra up-front cost of FireLite Plus may be easily justified compared to the cost of maintaining a filmed product over an extended period of time. Indeed, FireLite Plus is a much more common choice than FireLite NT for our customers when addressing glazing applications in K-12 schools.

Note that FireLite cannot be tempered. Tempering is a process of applying heat (typically) to glass, taking advantage of the coefficient of expansion, to strengthen the glass. As discussed above, FireLite's physical properties don't change when heated, hence the need for different methods than tempering for strengthening the glass to meet safety impact standards.

May FireLite be cut?

FireLite can be cut much like ordinary glass. A self-lubricating, sharp cutter (Toyo brand) is recommended. FireLite NT should be scored on the non-film side. The film may then be cut with a razor blade. FireLite Plus must be scored on both sides, the laminate then heated by a torch and cut with a razor blade.

Care should be taken not to cut off the permanently etched FireLite NT or FireLite Plus logo with fire-rating and listing information as this logo certifies to the Authority Having Jurisdiction that this product is acceptable.

May FireLite be sand-blasted or etched?

FireLite may be sand-blasted or lightly etched without voiding the fire-rating or warranty.

What is Obscure FireLite?

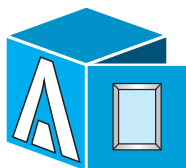
Obscure FireLite is FireLite that has been treated at the factory for an obscure finish. The finish resembles that of a shower door.

Does FireLite get thicker according to fire-rating?

No, FireLite does not get thicker as fire-ratings increase. It is always either 3/16" (5mm) thick (FireLite, FireLite NT) or 5/16" (8mm) thick (FireLite Plus). This makes FireLite an excellent choice for replacement of wired glass (typically 1/4" thick) since the nearly identical thicknesses will allow the existing fire-rated frames to be retained.

Other Questions?

Check our Technical Data Sheets, e-mail: door@anemostat.com or call 310-835-7500. We're here to help!



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FireLite® Plus

5/16" (8mm) CLEAR

(Fire & Impact/Safety Rated)

FIRE RATED BY



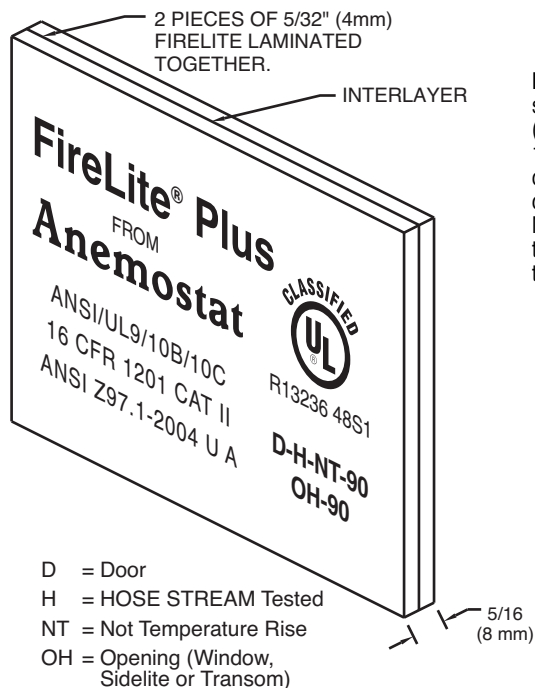
UNDERWRITERS'
LABORATORIES

B.S. or B.S.-EN
British Standard

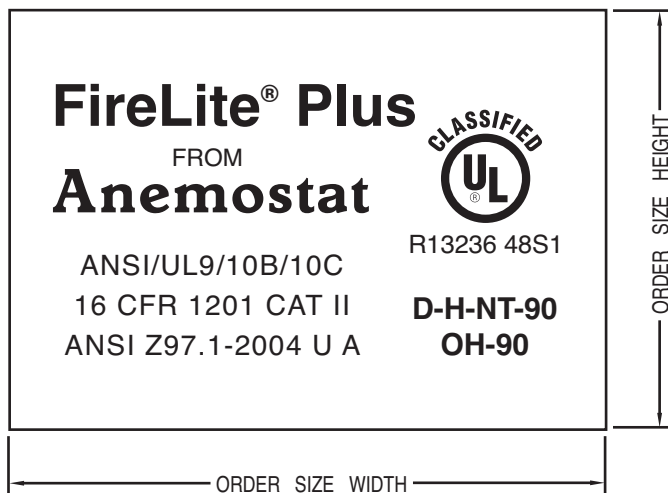


CATEGORY II IMPACT/SAFETY RATED
ANSI Z97.1 2004 U A

DETAIL DRAWING



PLEASE NOTE: On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.



NOTE: Although recommended for use with LoPro metal vision frame and 1/32" (1mm), GT-132 Anemostat glazing tape (furnished loose), due to very tight tolerances, care must be taken to not over tighten vision frame screws that can cause cracking of the glass during installation.

Anemostat manufacturing dimensions $\pm 1/32$ (1mm)
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- MATERIAL:** 2 pieces of PREMIUM or STANDARD FireLite clear ceramic laminated together with an interlayer for an overall 5/16" (8 mm) dimension.
- INSTALLATION:** FireLite Plus shall be glazed into the appropriate fire-rated framing with 1/32" (1mm) fire-rated glazing tape, (supplied loose) to both sides of glass.
- CLASSIFICATION MARKINGS:** Each piece of cut to size Clear FireLite Plus is permanently etched with the listing mark of U.L. in accordance with standards set forth by N.F.P.A. - 80 Revised.
- USES:** FireLite Plus is a fire-rated and impact/safety rated glazing material. It carries listings for use in doors, sidelites, transoms and borrowed lites with fire rated requirements ranging from 20 minutes to 3 hours. May be lightly sandblasted/etched one side without affecting fire rating.

SOUND RATINGS with LoPro-STC

- LoPro-STC with FireLite Plus:** STC - 38
- TESTED SIZE:** 24" X 36" (610mm x 914mm) CUTOFF / ASSEMBLY
- TESTED IN ACCORDANCE WITH:** ASTM E90-09 and ASTM E2235-04. STC measurements determined in accordance with ASTM E413-04. Testing conducted at Western Electro - Acoustic Laboratory, Santa Clarita, CA.

* Fire Rated

IMPACT / SAFETY RATINGS

- Meets ANSI Z97.1-2004 U A and CPSC 16CFR-1201 (Cat. I and II)
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

FIRE RATINGS (w/ U.L. classification markings) Positive Pressure

- Listed and labeled by Underwriters Laboratories, Inc.® Test report numbers for labeled fire-rated assemblies include: UL File No. R13377. All above tests performed in accordance with ASTM E-152, ASTM E-163, NFPA 252, NFPA 257, UL-9, UL-10B, UL-10C, UBC 43.2, UBC 43.4, UBC 7.2-97, UBC 7.4-97, CSFM 43.7, CAN4 S-104 and CAN4 S-106.

DOORS

- 20/45/60 MINUTE:** Approved listing at 3204 sq. in. (2.067 m²) visible lite. max. width 36" (914mm), max. height 89" (2261mm).
- 90* MINUTE:** Approved listing at 2034 sq. in. (1.31 m²) visible lite. max. width 36" (914mm), max. height 56 1/2" (1435mm).
- 60**/90** MINUTE:** Approved listing at 100 sq. in. (0.065 m²) visible lite. max. width 12" (305mm), max. height 33" (838mm).
- 3 HOUR:** Approved listing at 100 sq. in. (0.065 m²) visible lite. max. width 12" (305mm), max. height 33" (838mm).

*Non Temperature Rise Door ** Temperature Rise Door

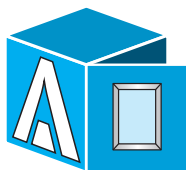
OTHER THAN DOORS (TRANSOMS, SIDELITES and BORROWED LITES)

- 20/45 MINUTE:** Approved listing at 3325 sq. in. (2.145 m²) visible lite. max. width 95" (2413mm), max. height 95" (2413mm).
- 60 MINUTE:** Approved listing at 3325 sq. in. (2.145 m²) visible lite. max. width 95" (2413mm), max. height 95" (2413mm).
- 90 MINUTE:** Approved listing at 2627 sq. in. (1.695 m²) visible lite. max. width 56-1/2" (1435mm), max. height 56-1/2" (1435mm).

BS 476.22 - British
Timber Doors - 30 / 60 min.

BS-EN-1634 - British
Steel Doors - 240 min.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FireLite® NT 3/16" (5mm) CLEAR

WITH SAFETY FILM

(Fire & Impact/Safety Rated)



FIRE RATED BY
UNDERWRITERS'
LABORATORIES
B.S. or B.S.-EN
British Standard



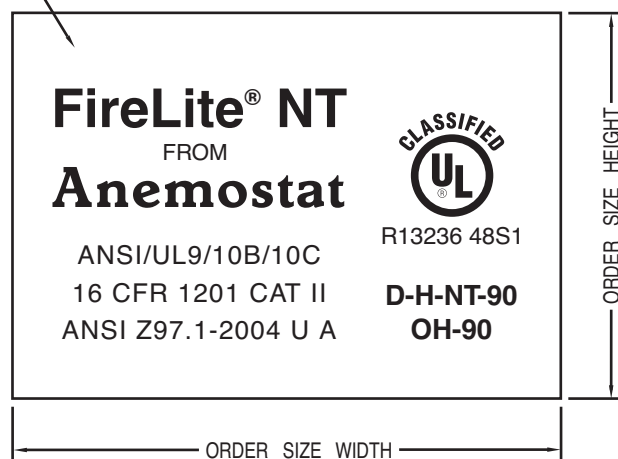
CATEGORY II IMPACT/SAFETY RATED
ANSI Z97.1 2004 U A

DETAIL DRAWING



PLEASE NOTE: On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

WITH SURFACE APPLIED SAFETY FILM



D = Door
H = HOSE STREAM Tested
NT = Not Temperature Rise
OH = Opening (Window, Sidelite or Transom)

Anemostat manufacturing dimensions ±1/32 (1mm)
Actual dimensions are nominal and may vary based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- MATERIAL:** 3/16" (5 mm overall) Clear Glass Ceramic with Surface-Applied Safety Film.
- FINISH:** Clear available in:
STANDARD (non-polished surfaces)
PREMIUM - (polished surfaces)
OBSCURE (patterned) available in standard only.
- APPROX. VISIBLE TRANSMISSION:** 88%
- INSTALLATION:** FireLite NT shall be glazed into the appropriate fire-rated framing with the film side to the building interior. Installation shall be with 1/8" (3.2mm) fire-rated glazing tape, (supplied loose) to both sides of glass.
- CLASSIFICATION MARKINGS:** Each piece of cut to size Clear FireLite NT is permanently etched with the listing mark of U.L. in accordance with standards set forth by N.F.P.A. - 80 Revised.
- USES:** FireLite NT carries listings for use in door, sidelites, transoms and borrowed lites with fire rating requirements ranging from 20 minutes to 3 hours. May be lightly sandblasted/etched one side without affecting fire rating.
- NOTE:** Film is applied to one side of FireLite NT only. However, Fire Rating is not dependent on which way film faces in interior applications
- Occasional process marks or small occlusions may occur due to the filming method employed in manufacturing this product. However, this does not affect the fire/safety performance or general vision area of the glazing and should not be a cause for rejection. Please refer to our Quality Specifications & Inspection Guidelines for Filmed Glazing for additional information (page 3).

IMPACT / SAFETY RATINGS

- Meet ANSI Z97.1-2004 U A and CPSC 16CFR-1201 (Cat. I and II).
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

FIRE RATINGS (w/ U.L. classification markings) Positive Pressure

- Listed by Underwriters Laboratories, Inc.® Test report number for labeled fire-rated assemblies is: UL File No. R13377. Tests performed in accordance with ASTM E-152, ASTM E-163, NFPA 252, UL-9, UL-10B, UL-10C, UBC 43.2, UBC 43.4, UBC 7.2-97, UBC 7.4-97, CSFM 43.7, CAN4 S-104 and CAN4 S-106.

DOORS

- 20/45/60 MINUTE:** Approved listing at 3204 sq. in. (2.067 m²) visible lite.
max. width 36" (914mm), max. height 89" (2261mm).
- 90* MINUTE:** Approved listing at 2034 sq. in. (1.312 m²) visible lite.
max. width 36" (914mm), max. height 56 1/2" (1435mm).
- 60**/90** MINUTE:** Approved listing at 100 sq. in. (0.065 m²) visible lite.
max. width 12" (305mm), max. height 33" (838mm).
- 3 HOUR:** Approved listing at 100 sq. in. (0.065 m²) visible lite.
max. width 12" (305mm), max. height 33" (838mm).

*Non Temperature Rise Door. ** Temperature Rise Door

OTHER THAN DOORS (TRANSOMS, SIDELITES and BORROWED LITES)

- 20/45 MINUTE:** Approved listing at 3325 sq. in. (2.145 m²) visible lite.
max. width 95" (2413mm), max. height 95" (2413mm).
- 60 MINUTE:** Approved listing at 3325 sq. in. (2.145 m²) visible lite.
max. width 95" (2413mm), max. height 95" (2413mm).
- 90 MINUTE:** Approved listing at 2627 sq. in. (1.694 m²) visible lite.
max. width 56-1/2" (1435mm), max. height 56-1/2" (1435mm).

BS 476.22 - British

Timber Doors - 30 / 60 min.

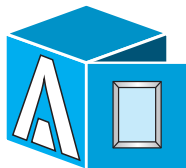
BS-EN1634 - British

Steel Doors - 240 min.

SOUND RATINGS with LoPro-STC

- LoPro-STC with FireLite NT (Fire Rated):** STC - 35
- TESTED SIZE:** 24" X 36" (610mm x 914mm) CUTOUT / ASSEMBLY
- TESTED IN ACCORDANCE WITH:** ASTM E90-09 and ASTM E2235-04.
STC measurements determined in accordance with ASTM E413-04.
Testing conducted at Western Electro - Acoustic Laboratory, Santa Clarita, CA.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FireLite® IGU

15/16" (24mm) OR 1" (25mm)

INSULATED

(Fire & Impact/Safety Rated)

FIRE RATED BY



UNDERWRITERS'
LABORATORIES

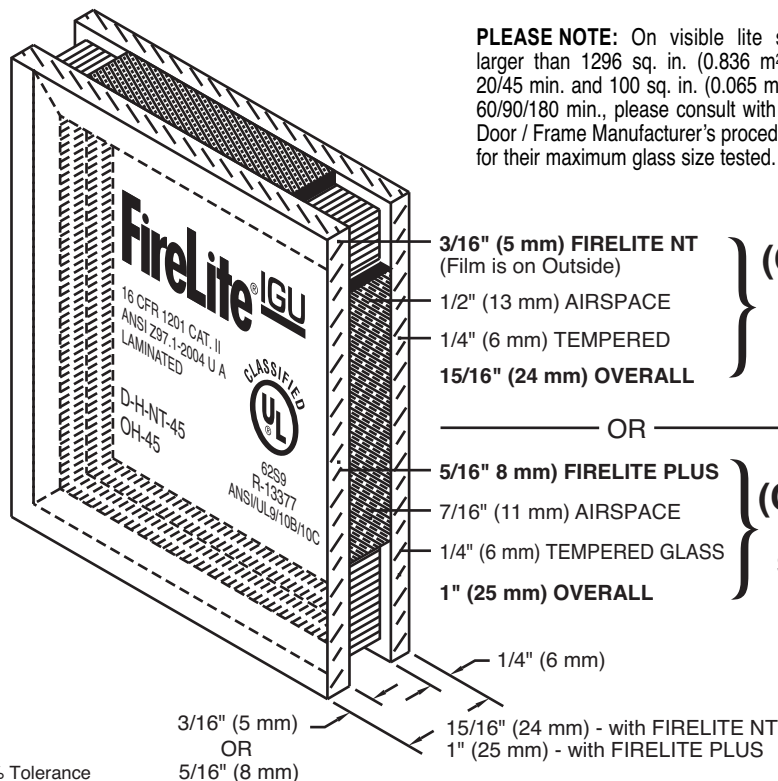


Sound
Transmission
Class

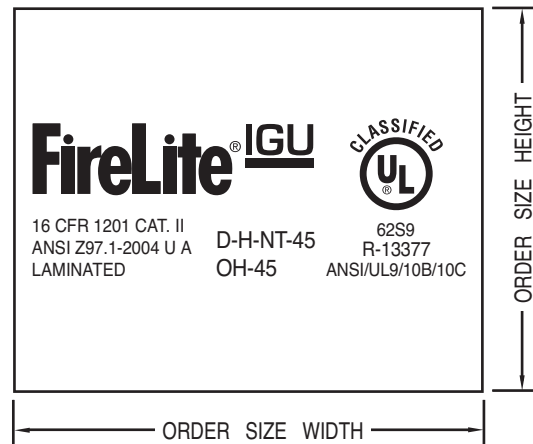
CATEGORY II IMPACT/SAFETY RATED
ANSI Z97.1 2004 U A

DETAIL DRAWING

PLEASE NOTE: On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90/180 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.



±8% Tolerance



D = Door

H = HOSE STREAM Tested

NT = Not Temperature Rise

OH = Opening (Window, Sidelite or Transom)

STANDARD PRODUCT FEATURES

- MATERIAL:** 3/16" (5 mm) FireLite NT / 1/2" (13 mm) Airspace / 1/4" (6 mm) Tempered **or** 5/16" (8 mm) FireLite Plus / 7/16" (11 mm) Airspace / 1/4" (6 mm) Tempered Glass.
- USES:** For exterior application where energy codes require an insulated unit and for interior applications for special needs (such as sound reduction).
- INSTALLATION:** FireLite IGU shall be glazed into the appropriate fire-rated framing with the film side to the building interior. Installation shall be with 1/16" (1.6mm) fire-rated glazing tape, (supplied loose) to both sides of glass.

SOUND RATINGS with LoPro-STC

- LoPro-STC with FireLite Plus IGU:** * STC - 42
- TESTED SIZE:** 24" X 36" (610 X 914mm) CUTOFF / ASSEMBLY
- TESTED IN ACCORDANCE WITH:** ASTM E90-09 and ASTM E2235-04. STC measurements determined in accordance with ASTM E413-04. Testing conducted at Western Electro - Acoustic Laboratory, Santa Clarita, CA.
- * Fire Rated**
- IMPORTANT:** Interpretation of building fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

OPTIONAL FEATURES

Available incorporating a variety of Glass Products:

- Tinted.
- Art Glass.
- May be lightly sandblasted or etched on one side without affecting fire rating.
- Reflective.
- One-Way Mirror.
- Low E.
- Obscure.

FIRE RATINGS (with U.L. classification markings) Positive Pressure

DOORS

- 20/45/60* MINUTE:** Approved listing at 3204 sq. in. (2.067 m²) visible lite. max. width 36" (914mm), max. height 89" (2261mm)
- 90* MINUTE:** Approved listing at 2034 sq. in. (1.31 m²) visible lite. max. width 36" (914mm), max. height 56 1/2" (1435mm)
- 60**/90**MINUTE:** Approved listing at 100 sq. in. (0.065 m²) visible lite. max. width 12" (305mm), max. height 33" (838mm)
- 3 HOUR:** Approved listing at 100 sq. in. (0.065 m²) visible lite. max. width 12" (305mm), max. height 33" (838mm)

*Non Temperature Rise Door ** Temperature Rise Door

OTHER THAN DOORS (TRANSOMS, SIDELITES and BORROWED LITES)

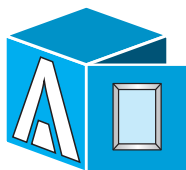
- 20/45/60 MINUTE:** Approved listing at 3325 sq. in. (2.145 m²) visible lite. max. width 95" (2413mm), max. height 95" (2413mm)
- 90 MINUTE:** Approved listing at 2627 sq. in. (1.695 m²) visible lite. max. width 56-1/2" (1435mm), max. height 56-1/2" (1435mm)

IMPACT / SAFETY RATINGS

- Meets ANSI Z97.1-2004 U A and CPSC 16CFR1201 (Cat. I and II)

Job Name & Location	Submitted by

For Most Current Info, Consult Factory or check our website, www.anemostat.com



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FireLite®

3/16" (5mm) CLEAR



FIRE RATED BY
UNDERWRITERS'
LABORATORIES

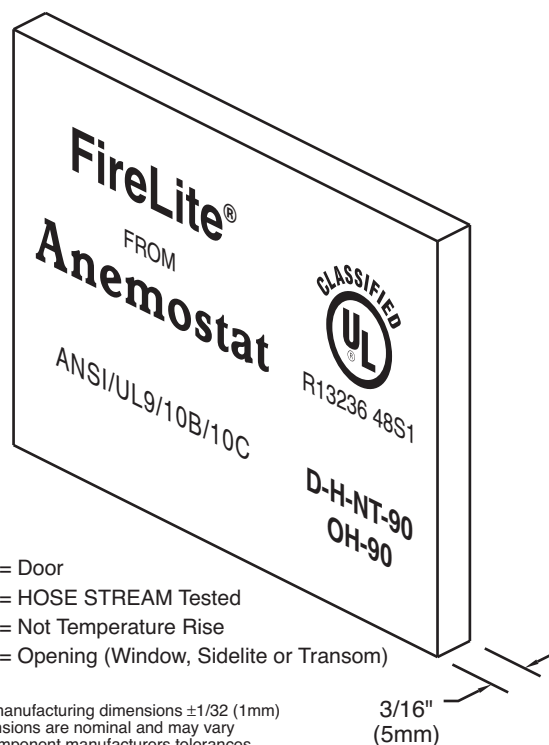
B.S. or B.S.-EN
British Standard

DETAIL DRAWING

NON

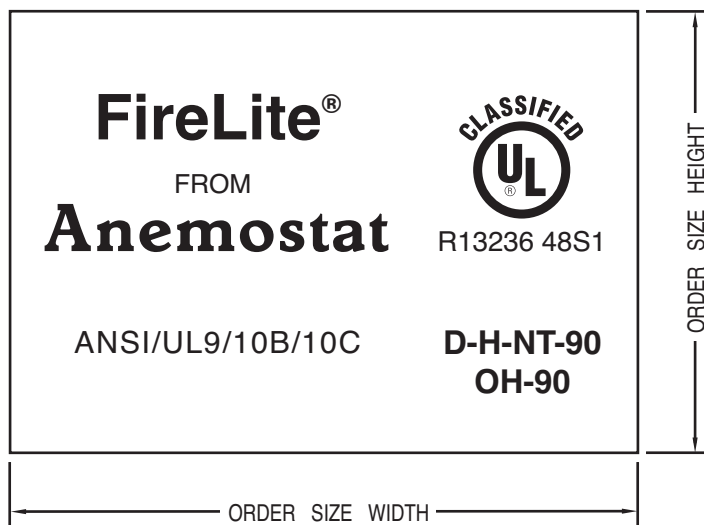
IMPACT / SAFETY RATED PRODUCT

(Does Not Meet CPSC Cat I, Cat II or ANSI-z97.1-2004
Impact Standards required by IBC 2003, 2006, and 2009)



D = Door
H = HOSE STREAM Tested
NT = Not Temperature Rise
OH = Opening (Window, Sidelite or Transom)

Anemostat manufacturing dimensions $\pm 1/32$ (1mm)
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



NOTE: FireLite is not an impact safety-rated product and should
not be specified as such. However we can offer FireLite Plus
and FireLite NT which both carry fire and impact safety ratings.

STANDARD PRODUCT FEATURES

- MATERIAL:** 3/16" (5 mm) clear FireLite glass (no wire).
- FINISH:** Clear available in:
 - STANDARD (non-polished surfaces)
 - PREMIUM - (polished surfaces)
 - OBSCURE (patterned)
- INSTALLATION:** FireLite shall be glazed into the appropriate fire-rated framing with 1/8" (3.2mm) fire-rated glazing tape, (supplied loose) to both sides of glass.
- CLASSIFICATION MARKINGS:** Each piece of cut to size Clear FireLite is permanently etched with the listing mark of U.L. and W.H.I. in accordance with standards set forth by N.F.P.A. - 80 revised.
- USES:** In applications requiring a fire rating in transoms, walls or borrowed lites and where clear glass clarity is desired, and no safety rating is required. May be lightly sandblasted/etched one side without affecting fire rating.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

OPTIONAL FEATURES

- SIZES:** Customized glass sizes to fit most any shape.

FIRE RATINGS (w/ U.L. classification markings) Positive Pressure

- Listed by Underwriters Laboratories, Inc., and Warnock Hersey International Inc., Firelite was tested to fire-rating standards such as ASTM E-163, CAN4 S-104, CAN4 S-106, CSFM 43.7, NFPA 80 NFPA 257, UBC 43.2, UBC 43.4, UBC 7.2-97, UBC 7.4-97, UL-9, UL-10B AND UL-10C.

OTHER THAN DOORS (TRANSOMS, SIDELITES and BORROWED LITES)

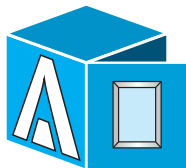
- 20/45/60 MINUTE:** Approved listing at 3325 sq. in. (2.15 m²) visible lite.
max. width 95" (2413mm), max. height 95" (2413mm).
- 90 MINUTE:** Approved listing at 2627 sq. in. (1.695 m²) visible lite.
max. width 56 1/2" (1435mm), max. height 56 1/2" (1435mm).

BS 476.22 - British
Timber Doors - 30 / 60 min.

BS-EN-1634 - British
Steel Doors - 240 min.

- PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20/45 min. and 100 sq. in. (0.065 m²) on 60/90/180 min., please consult with your Frame Manufacturer's procedures, for their maximum glass size tested.

Job Name & Location	Submitted by



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FireSAFE-20™

FireSAFE-30™

British Version

1/4" (6mm) CLEAR

(Fire & Impact/Safety Rated)

FIRE
RATED
By:



B.S.-476.22
British Standard

IMPACT/
SAFETY
RATED:

CATEGORY
II

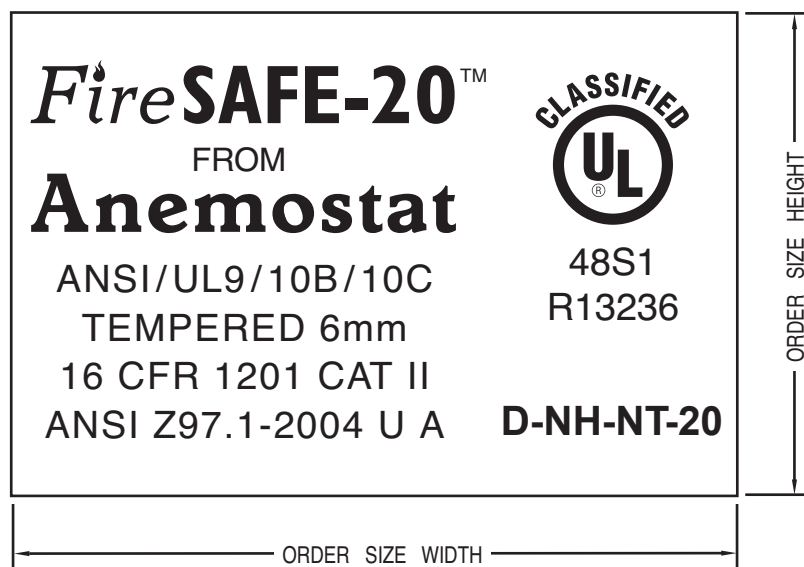
ANSI
Z97.1-2004 U A

DETAIL DRAWING



D = Door
NH = NOT HOSE STREAM Tested
NT = Not Temperature Rise

Anemostat manufacturing dimensions $\pm 1/32$ (1mm)
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 1/4" (6 mm) Specially Tempered Clear.
- APPROX. VISIBLE TRANSMISSION:** 89%
- INSTALLATION:** FireSAFE-20 shall be glazed into the appropriate fire rated framing with GT-18, 1/8" (3.2mm) fire rated glazing tape (supplied loose), to both sides of glass.
- CLASSIFICATION MARKINGS:** Each piece of FireSAFE-20/30 shall be labeled with the appropriate marking on sizes up to 2584 sq.in. (1.67 m²)
- USES:** FireSAFE-20/30 is a 1/4" (6mm) fire-rated and impact safety-rated glazing material. It carries listings for use in doors with a fire rating requirement of 20 minutes (30 minutes - British Standard). (WITHOUT HOSE STREAM TEST). May be lightly sandblasted / etched or beveled on one side without affecting fire rating
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

FIRE RATINGS (with U.L. classification markings) Positive Pressure

- Listed and labeled by Underwriters Laboratories, Inc.® Test report numbers for labeled 20 minute fire-rated assemblies include: UL File No. R13236. All above tests performed in accordance with ASTM E-2074, ASTM E-2010, CSFM 43.7, NFPA 252, UBC 43.2, UBC 7.2-97, UBC 7.4-97, UL-9, UL-10B and UL-10C.

DOORS

- 20 MINUTE:** Approved listing at 2584 sq. in. (1.67 m²) visible lite. max. width 34" (864mm), max. height 76" (1930mm). (WITHOUT HOSE STREAM)

BS 476.22 Timber and Steel Doors - 30 min.
British Standard

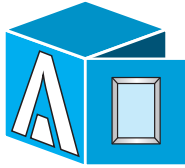
- FireSAFE-30 requires Ceramic Glazing Tape (CGT)

IMPACT / SAFETY RATINGS

- Meets ANSI Z97.1-2004 U A and CPSC 16CFR1201 (Cat. I and II)
- PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

Job Name & Location	Submitted by

For Most Current Info, Consult Factory or check our website, www.anemostat.com



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FireGlass-20

1/4" (6mm) CLEAR

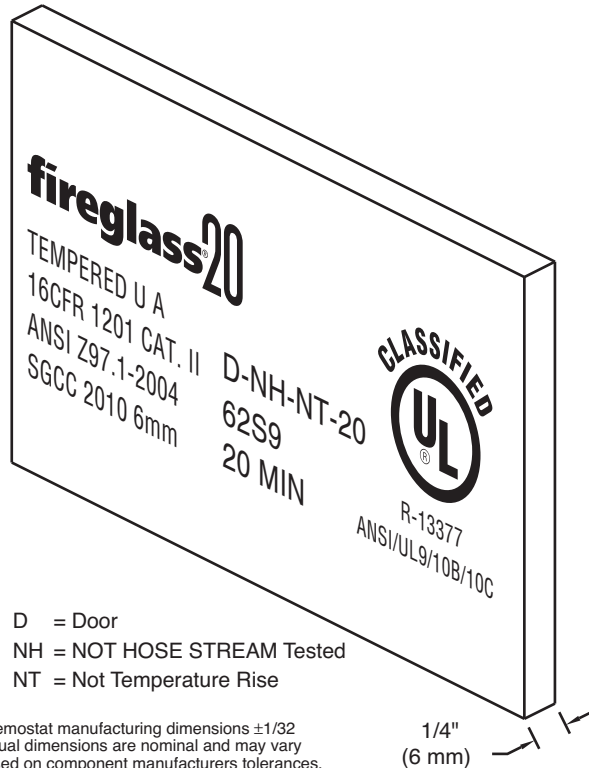
(Fire & Impact/Safety Rated)



FIRE RATED BY
UNDERWRITERS'
LABORATORIES

CATEGORY II IMPACT/SAFETY RATED

DETAIL DRAWING

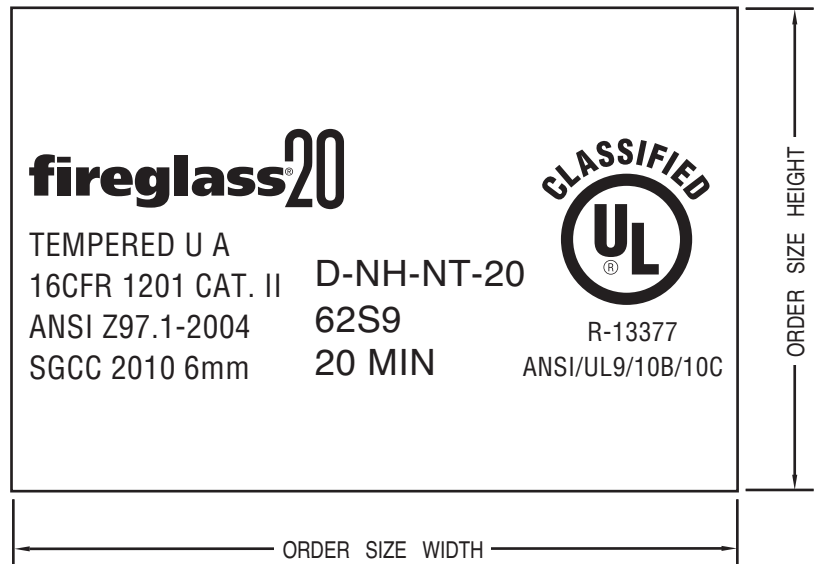


D = Door

NH = NOT HOSE STREAM Tested

NT = Not Temperature Rise

Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 1/4" (6 mm) Specially Tempered Clear.
- INSTALLATION:** FireGlass-20 shall be glazed into the appropriate fire-rated framing with setting blocks and 1/8" fire-rated glazing tape, (supplied loose) to both sides of glass. Check for clearance around the edges, and adjust setting blocks as needed. Openings must be plumb and square. Allow for a minimum edge clearance of 1/4" (+1/8" / -1/16") and a minimum edge cover of 3/8" (+1/16" / -1/16"). Inspect each piece of FireGlass-20 immediately before installation and eliminate any glass with observable edge damage or face imperfections. Place setting blocks, 3" minimum (76mm) at the quarter points.
- CLASSIFICATION MARKINGS:** Each piece of FireGlass-20 shall be labeled with the appropriate marking on sizes up to 6,396 sq.in. (4.126 m²)
- USES:** FireGlass-20 is a 1/4" (6mm) fire-rated and impact safety-rated glazing material. It carries listings for use in doors, sidelites, transoms and borrowed lites with a fire rating requirement of 20 minutes. (WITHOUT HOSE STREAM TEST). May be lightly sandblasted / etched or beveled on one side without affecting fire rating
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Also available as an IGU, contact factory.

FIRE RATINGS (with U.L. classification markings) Positive Pressure

- Listed and labeled by Underwriters Laboratories, Inc.® Test report numbers for labeled 20 minute fire-rated assemblies include: UL File No. R13377. All above tests performed in accordance with ASTM E-152, ASTM E-163, CSFM 43.7, NFPA 252, UBC 43.2, UBC 7.2-97, UBC 7.4-97, UL-9, UL-10B and UL-10C.

DOORS

- 20 MINUTE:** Approved listing at 3204 sq. in. (2.067 m²) visible lite. max. width 36" (914mm), max. height 89" (2261mm). (WITHOUT HOSE STREAM)

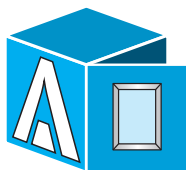
Before specifying Fireglass-20 in any location other than a 20 minute door leaf, please consult with your local Authority Having Jurisdiction.

IMPACT / SAFETY RATINGS

- Meets ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II)
- PLEASE NOTE:** On visible lite sizes larger than 1296 sq. in. (0.836 m²) on 20 min., please consult with your Door / Frame Manufacturer's procedures, for their maximum glass size tested.

Job Name & Location	Submitted by

For Most Current Info, Consult Factory or check our website, www.anemostat.com



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FREQUENTLY
ASKED
QUESTIONS

PILKINGTON PyROSTOP™

DETAIL DRAWING

What is it?

Pilkington Pyrostop™ is a multi-laminate fire-resistant glazing material, manufactured by Pilkington for more than 20 years. It offers high impact safety and fire ratings up to 2 hours. In addition to stopping the spread of flames and smoke, Pilkington Pyrostop™ acts as a barrier to the transfer of heat, protecting lives and property.

Why a multi-laminate?

Ordinary glass cannot survive intense heat on its own. Unless you're talking about alternative glazing materials, such as the ceramic FireLite products, fire-rated glass must be "reinforced" in some way to provide fire protection. There are several ways to do this. Glass can be specially tempered, which works to a degree, but tempered glass cannot withstand thermal shock. Wires can be inserted in the glass to hold it in place during a fire, but that raises concerns over impact safety. And wired glass has a less desirable appearance than clear glass.

Pilkington Pyrostop™ achieves a fire rating via a different option. Multiple layers of glass "sandwich" special interlayers. During a fire, the pane facing the fire fractures but is held in place by the interlayer. That interlayer turns to foam, which effectively prevents heat from passing through. As the fire continues to burn, the next layer of glass breaks and the next interlayer turns to foam. This pattern repeats for the duration of the fire.

Why does Pilkington Pyrostop™ vary in thickness?

The thickness of Pilkington Pyrostop™ depends on the fire rating required. A window with a 45 minute rating will be much thinner than a 2 hour fire-rated wall. The longer the time frame, the more layers needed to block the heat.

What does a "barrier-to-heat" mean?

A "barrier-to-heat" product is one that has been tested to the same standard as a solid barrier wall (ASTM E-119). It prevents a fire's radiant heat from transferring through the wall to the space on the other side.

This can be critical in certain areas of a building. For example, in a multi-story office building, there might be the possibility of tenants being trapped in a stairwell for a long period of time during a fire. Since structural fires can quickly exceed 1,500° F (816° C), temperatures could quickly rise to an intolerable level, even if flames do not enter the stairwell.

Similarly, sensitive computer rooms can be protected from damage by barrier-to-heat products. Tests have shown that even with a fire raging on one side of Pilkington Pyrostop™, a person can safely place their hand on the opposite side of the glass without getting burned.

Some products are being marketed as "significantly reducing radiant heat." However, these products do not meet the required test standard for barrier-to-heat products. If there is a concern about the dangers of high temperatures, make sure the glass you choose has been tested as a fire wall and meets ASTM E-119.

Does Pilkington Pyrostop™ have a tint?

Most multi-laminate products take on a significant amount of color, due to the iron in the glass. Pilkington incorporates a special OptiWhite™ process in all Pyrostop™ products with a rating of 60 minutes or more to eliminate any tint and provide outstanding clarity.

Ordinary multilaminate products have a definite green tint.

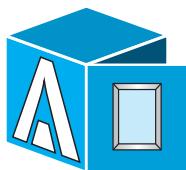
Pilkington Pyrostop is clear.

Can it be cut?

As with all glazing that acts as a true fire barrier wall, Pilkington Pyrostop™ cannot be cut in the field.

Other Questions?

Check our Technical Data Sheets, e-mail: door@anemostat.com or call 310-835-7500. We're here to help!



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Pyrostop®

(Fire & Impact/Safety Rated)



FIRE RATED BY

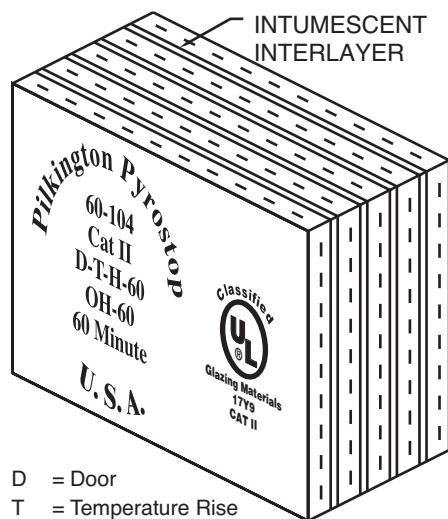
UNDERWRITERS'
LABORATORIES



Sound
Transmission
Class

CATEGORY II IMPACT/SAFETY RATED
ANSI Z97.1 2004 U A

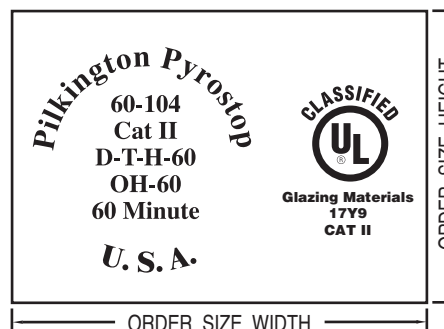
DETAIL DRAWING



INTUMESCENT
INTERLAYER

AVAILABLE THICKNESSES

3/4" (19mm)
7/8" (23mm)
1-1/16" (27mm)
1-5/16" (33mm)
1-7/16" (37mm)
1-9/16" (40mm)
1-5/8" (41mm)
2-1/8" (54mm)
2-3/16" (56mm)
2-3/8" (60mm)
2-7/16" (62mm)



D = Door
T = Temperature Rise
H = HOSE STREAM Tested
OH = Opening (Window, Sidelite or Transom)
±8% Tolerance

STANDARD PRODUCT FEATURES

- MATERIAL:** Manufactured using multiple layers of float glass laminated with transparent intumescent interlayers.
- INSTALLATION:** Pyrostop shall be glazed vertically into approved fire-rated framing with hard-wood setting blocks located at the quarter points for proper support of the glass. Glaze with closed cell PVC (GT-116 supplied loose) tape or silicone wet seal. Exterior grade Pyrostop shall be glazed with the PVB layer toward the exterior of the building. Setting blocks to be furnished by installer. Openings must be plumb and square. Allow a minimum clearance of 3/16" (5mm) on each edge. Before installation, inspect each piece of Pyrostop and eliminate any glass with observable edge damage or face imperfections. Check for clearance around the edges, and adjust setting blocks as needed. Do not remove protective edge tape. Do not pressure glaze.
- CLASSIFICATION MARKING:** Each piece of Pyrostop shall be permanently labeled with the appropriate marking.
- ADDITIONAL PRODUCT FEATURES:** Pilkington Pyrostop is a fire-rated and impact/safety-rated glazing material. Pilkington Pyrostop also blocks heat, protecting people and valuables on the non-fire side of the glass where heat transfer might be a concern. It is listed for use in doors, sidelites, transoms, borrowed lites and wall applications with a fire rating of up to 2 hours.

IMPACT / SAFETY RATINGS

- Meets ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II)

SOUND RATINGS with LoPro-STC

- LoPro-STC with Pyrostop 60-101 7/8" (23mm):*** STC - 41
- TESTED SIZE:** 24" X 36" (610 X 914mm) CUTOFF / ASSEMBLY
- TESTED IN ACCORDANCE WITH:** ASTM E90-09 and ASTM E2235-04. STC measurements determined in accordance with ASTM E413-04. Testing conducted at Western Electro - Acoustic Laboratory, Santa Clarita, CA.
- * Fire Rated - see Glazing Section for ratings and maximum allowable sizes

FIRE RATINGS (with U.L. classification markings) Positive Pressure

- Listed with Underwriters Laboratories, File numbers R16644 (doors and windows) and R16132 (walls). Tests performed in accordance with ASTM E-119, CAN/ULC S101, ASTM E2074, ASTM E2010, UL 263, UL 9, UL 10B, UL 10C, CSFM 43.7, NFPA 80, NFPA 251, NFPA 252, NFPA 257, UBC 43.2, UBC 43.4, UBC 7-2, UBC 7-4, CAN4 S-104, CAN4 S-106. Approved for use in New York City; MEA 241-00-M. Approved for use in Los Angeles; LARR 25798.

DOORS - Approved Listing

- 45/60/90 MINUTES:** at 3724 sq. in. (2.403 m²) visible lite. max. width 41-5/8" (1058mm), or max height 89-3/4" (2280mm)
3/4" (19mm) - 45 min. / 40 dB -STC (45-200)
*7/8" (23mm) - 60 min. / 41 dB -STC (60-101) - with **LoPro-STC**
1-1/16" (27mm) - 60 min. / 44 dB -STC / **Level 1 -Bullet Resistance[†]** (60-201)
1-5/16" (33mm) - 45 min / 40 dB -STC (45-260)-IGU
*1-7/16" (37mm) - 90 min. / 45 dB -STC (90-102)
1-9/16" (40mm) -120 min. / 46 dB -STC / **Level II -Bullet Resistance[†]** (120-202)
1-5/8" (41mm) - 60 min. / 44 dB -STC (60-261)-IGU

TRANSOMS and WALLS - Approved Listing

- 45 MINUTES:** at 4500 sq. in.(2.903m²) max width 95-1/4" (2419mm), or max height 95-1/4" (2419mm)
3/4" (19mm) - 40 dB -STC (45-200)
1-5/16" (33mm) - 40 dB -STC (45-260)-IGU
- 60 MINUTES:** at 5605 sq. in.(3.615m²), max width 96" (2438mm), or max height 96" (2438mm)
*7/8" (23mm) - 41 dB -STC (60-101)
1-1/16" (27mm) - 44 dB -STC, **Level 1 -Bullet Resistance[†]** (60-201)
1-5/8" (41mm) - 44 dB -STC, (60-261)-IGU
- 120 MINUTES:** at 3724 sq. in. (2.403m²), max width 111" (2819mm), or max height 111" (2819mm)
1-9/16" (40mm) - 46 dB -STC, **Level II -Bullet Resistance[†]** (120-202)
2-1/8" (54mm) - 46 dB -STC, Int. (120-104)-IGU, Ext. (120-262)-IGU
2-3/8" (60mm) - 46 dB -STC (120-262)-IGU
- 120 MINUTES:** at 3724 sq. in. (2.403m²), max width 95" (2413mm), or max height 95"(2413mm)
2-3/16" (56mm) - 46 dB -STC, **Level II - Bullet Resistance** (120-201)-IGU
2-7/16" (62mm) - 46 dB -STC, **Level III - Bullet Resistance[†]** (120-201)-IGU

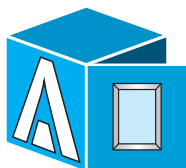
* Interior use only. All other sizes may be used in both interior and exterior applications

[†]Bullet Resistance (with film) must be specified on order.

- Available up to Level VIII Bullet Resistance in different IGU Make-ups - Consult factory

- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



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TEMPERED

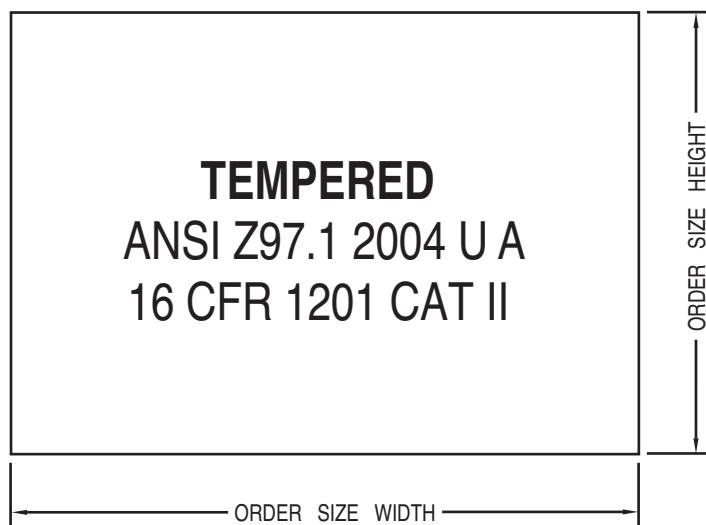
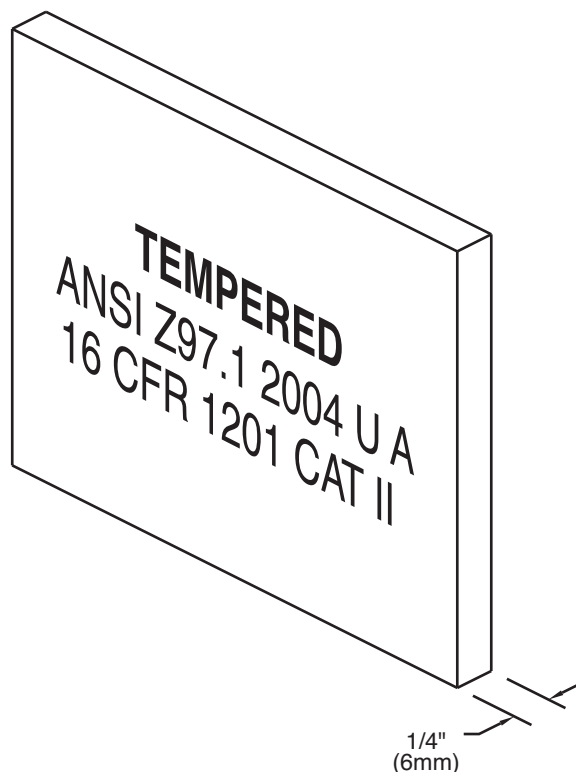
IMPACT/SAFETY RATED

1/4" (6mm)

NOT FIRE RATED

CATEGORY II IMPACT/SAFETY RATED

DETAIL DRAWING



STANDARD PRODUCT FEATURES

- **MATERIAL:** 1/4" (6mm) clear Tempered Glass is fully heat treated strengthened glass which is stronger than ordinary float glass.
- **INSTALLATION:** Tempered Glass shall be glazed into the appropriate framing with 1/8" (3.2mm) glazing tape (supplied loose) to both sides of glass.
- **STRENGTH:** It has bending and impact strengths which are 3 to 5 times higher than those of annealed glasses of the same thickness.
- **THERMAL SHOCK STRENGTH:** Is approximately three times as resistant to rapid temperature changes as annealed glass.
- **SAFETY:** Tempered Glass breaks into small particles upon impact, preventing serious injury, unlike annealed glass which can break into large, sharp pieces.

OPTIONAL FEATURES

- **COLORS:** Available in Bronze, Gray, Graylite, and Obscure.
- **SIZES:** Customized shapes to fit almost any shape vision frame. CANNOT be cut after manufacturing.

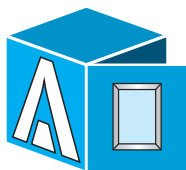
IMPACT / SAFETY RATINGS

- Meets ANSI Z97.1-2004 U A and CPSC 16 CFR 1201 Category II, Impact Test Standard.

CONFORMS TO THE FOLLOWING

- ASTM C1036
- ASTM C1048

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

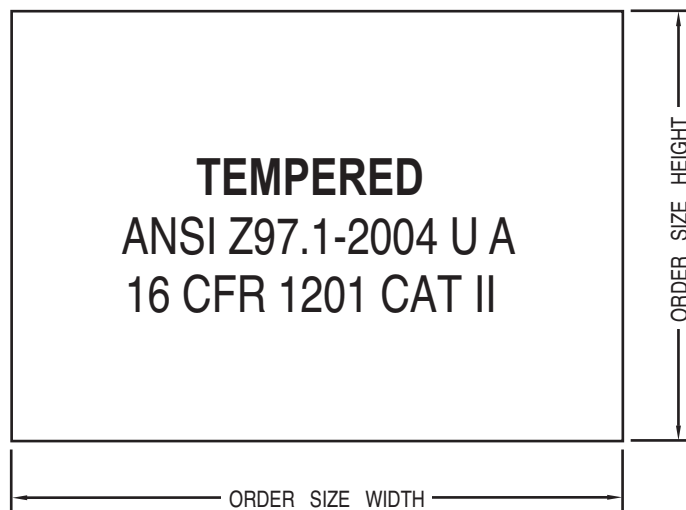
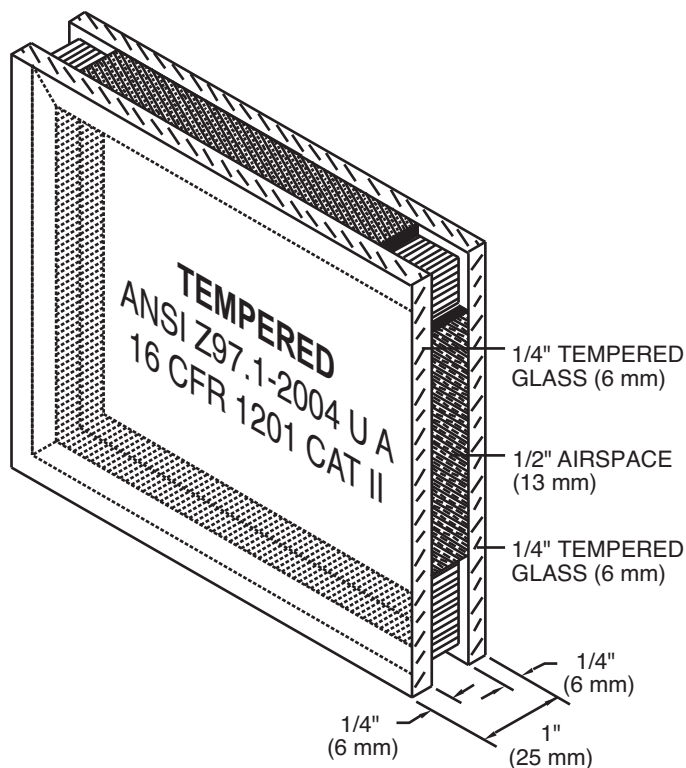
Tempered IGU 1" (25mm) INSULATED

NOT
FIRE RATED



CATEGORY II IMPACT/SAFETY RATED
ANSI Z97.1 2004 U A

DETAIL DRAWING



STANDARD PRODUCT FEATURES

- **MATERIAL:** 1/4" (6mm) clear Tempered Glass is fully heat treated strengthened glass which is stronger than ordinary float glass.
- **INSTALLATION:** Tempered IGU shall be glazed into the appropriate framing with 1/16" (1.6mm) glazing tape (supplied loose) to both sides of glass.
- **STRENGTH:** It has bending and impact strengths which are 3 to 5 times higher than those of annealed glasses of the same thickness.
- **THERMAL SHOCK STRENGTH:** Is approximately three times as resistant to rapid temperature changes as annealed glass.
- **SAFETY:** Tempered Glass breaks into small particles upon impact, preventing serious injury, unlike annealed glass which can break into large, sharp pieces.
- **USES:** For applications where energy codes require an insulated unit and for interior applications for special needs such as sound reduction in non-fire rated doors and sidelites.

OPTIONAL FEATURES

- **COLORS:** Available in Bronze, Gray, Graylite, and Obscure.
- **SIZES:** Customized shapes to fit almost any shape vision frame.
CANNOT be cut after manufacturing.

IMPACT / SAFETY RATINGS

- Meets ANSI Z97.1-2004 U A and CPSC 16 CFR 1201 Category II, Impact Test Standard.

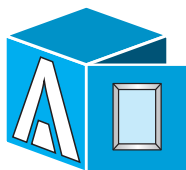
SOUND RATINGS with LoPro-STC

- **LoPro-STC with Tempered IGU:** STC - 35 (Safety Rated Only)
- **TESTED SIZE:** 24" X 36" CUTOUT / ASSEMBLY
- **TESTED IN ACCORDANCE WITH:** ASTM E90-09 and ASTM E2235-04.
STC measurements determined in accordance with ASTM E413-04.
Testing conducted at Western Electro - Acoustic Laboratory, Santa Clarita, CA.

CONFORMS TO THE FOLLOWING

- **ASTM C1036**
- **ASTM C1048**

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

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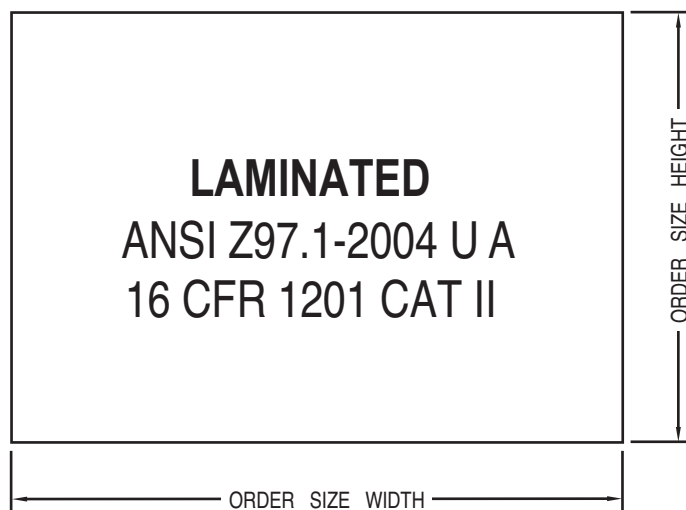
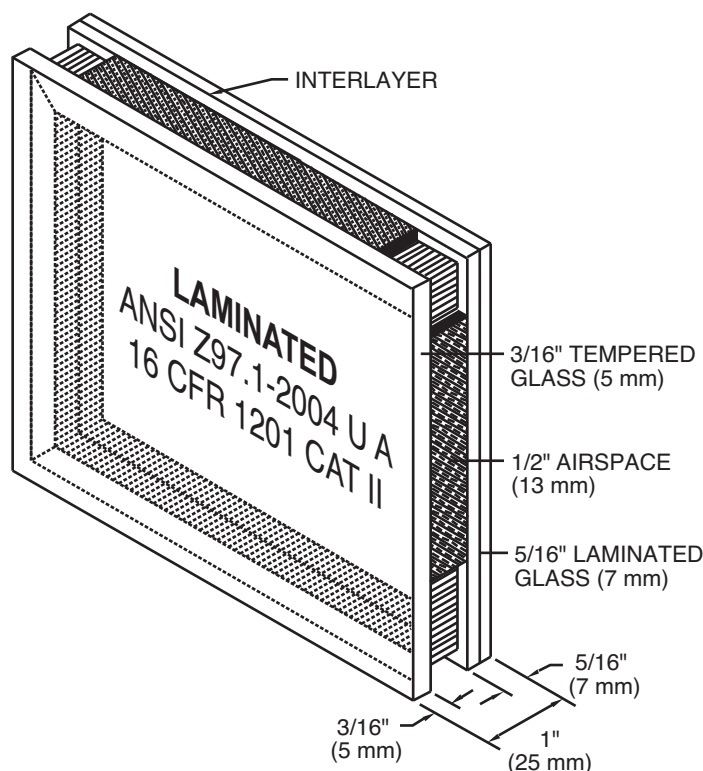
Laminated IGU 1" (25mm) INSULATED

NOT
FIRE RATED



CATEGORY II IMPACT/SAFETY RATED
ANSI Z97.1 2004 U A

DETAIL DRAWING



STANDARD PRODUCT FEATURES

- MATERIAL:** 3/16" (5mm) clear Tempered Glass is heat treated strengthened glass which is stronger than ordinary float glass. 5/16" (8mm) Laminated Glass is two sheets of glass with an interlayer
- INSTALLATION:** Laminated IGU shall be glazed into the appropriate framing with 1/16" (1.6mm) glazing tape (supplied loose) to both sides of glass.
- STRENGTH:** It has bending and impact strengths which are 3 to 5 times higher than those of annealed glasses of the same thickness.
- THERMAL SHOCK STRENGTH:** Is approximately three times as resistant to rapid temperature changes as annealed glass.
- SAFETY:** Tempered Glass breaks into small particles upon impact, preventing serious injury, unlike annealed glass which can break into large, sharp pieces. When Laminated Glass breaks numerous cracks appear but glass fragments tend to adhere to the interlayer.
- USES:** For applications where energy codes require an insulated unit and for interior applications for special needs such as sound reduction in non-fire rated doors and sidelites.

OPTIONAL FEATURES

- COLORS:** Available in Bronze, Gray, Graylite, and Obscure.
- SIZES:** Customized shapes to fit almost any shape vision frame. CANNOT be cut after manufacturing.

IMPACT / SAFETY RATINGS

- Meets ANSI Z97.1-2004 U A and CPSC 16 CFR 1201 Category II, Impact Test Standard.

SOUND RATINGS with LoPro-STC

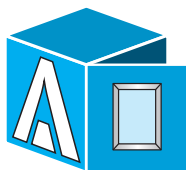
- LoPro-STC with Laminated IGU:** STC - 42 (Safety Rated Only)
- TESTED SIZE:** 24" X 36" (610 X 914mm) CUTOUT / ASSEMBLY
- TESTED IN ACCORDANCE WITH:** ASTM E90-09 and ASTM E2235-04. STC measurements determined in accordance with ASTM E413-04. Testing conducted at Western Electro - Acoustic Laboratory, Santa Clarita, CA.

CONFORMS TO THE FOLLOWING

- ASTM C1036 • ASTM C1172
- ASTM C1048

Job Name & Location	Submitted by

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TECHNICAL DATA

FROM

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X-Ray-S GLASS

Impact/Safety Rated

CATEGORY II IMPACT/SAFETY RATED

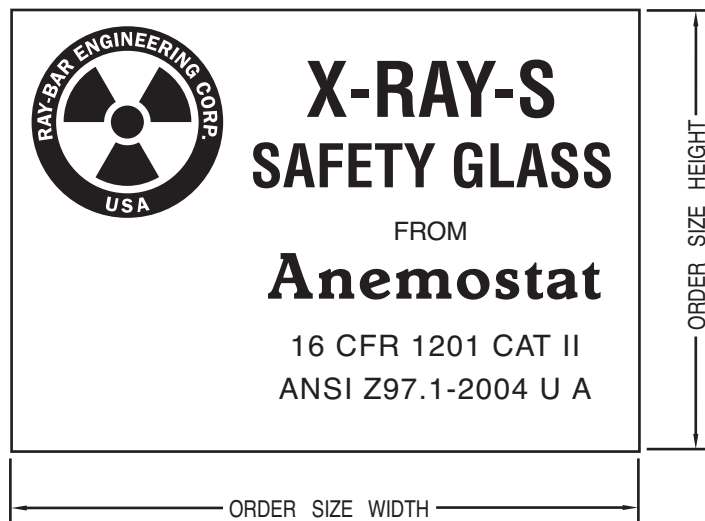
X-Ray GLASS

NON-Impact/Safety Rated

5/16" (8mm) CLEAR

Radiation Protective Lead Glass

DETAIL DRAWING



STANDARD PRODUCT FEATURES

- **MATERIAL:** 5/16" (8mm) X-Ray-S Safety Glass
5/16" (8mm) X-Ray Glass - Non-Safety Rated
- **FINISH:** Clear with slight yellow hue
- **INSTALLATION:** By using glazing tape or glazing compound on both sides of glass, sandwiched between a lead lined metal vision frame, or lead lined steel window frame.
- **CLASSIFICATION MARKINGS:** Each piece of glass is cut to size. 5/16" (8mm) X-Ray Safety Glass is permanently marked as meeting ANSI Z97.1 and CPSC 16 CFR 1201 Cat II requirements for impact resistance.
- **USES:** In applications requiring up to 2mm lead equivalent for X-Ray protection and impact resistance in a lead lined door or sidelite.
- **LEAD EQUIVALENT:** Nominal 2.0mm
- **LBS. LEAD EQUIVALENT / SQ. FT.:** 5.0 +
- **LIGHT TRANSMISSION:** 86% +

NOTE: Customer must specify lead shielding equivalent requirement. Calculations for lead shielding requirements should be determined by a health physicist currently recognized by the state in which the project occurs.

OPTIONAL FEATURES

- **SIZES:** Customized glass sizes to fit most any shape lead lined vision frame. Maximum size available is 48" x 96" (1219mm x 2438mm). Higher lead equivalencies are available upon request.
- Also available in a non-safety rated version for use in non-hazardous locations.

FIRE RATINGS (w/ U.L. classification markings) Positive Pressure

- Only when utilizing Lead Lined **FGS-MS5-FR** and **FireLite® NT** or **FireLite® Plus**
- 20/45 minute: approved listing at 1296 square inch (0.836 m²) visible lite
 - 60/90 minute: approved listing at 100 square inch (0.065 m²) visible lite

IMPACT / SAFETY RATINGS

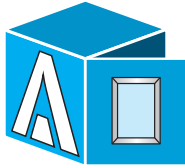
- X-Ray-S (only)**
Meets ANSI Z97.1-2004 and CPSC 16CFR-1201.
- Category II - over 9 sq. ft. (0.836 m²)

CODE ACCEPTANCE AND CERTIFICATIONS

- Meets Federal Specification DD-G-451
- Meets NCRP Report #49 and #147

Job Name & Location	Submitted by

For Most Current Info, Consult Factory or check our website, www.anemostat.com



TECHNICAL DATA

FROM

Anemostat Door Products

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LEXAN®

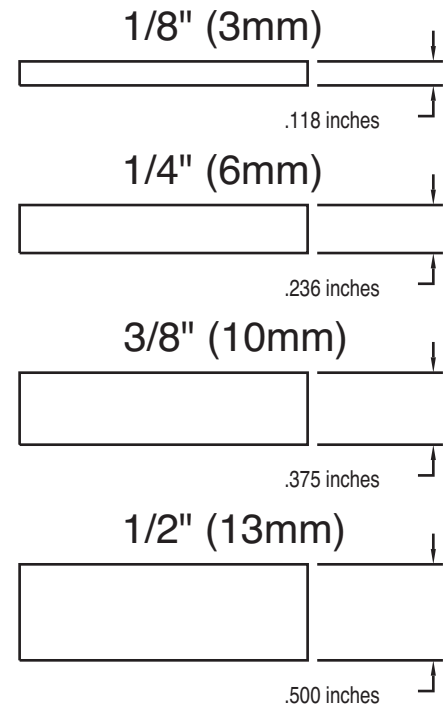
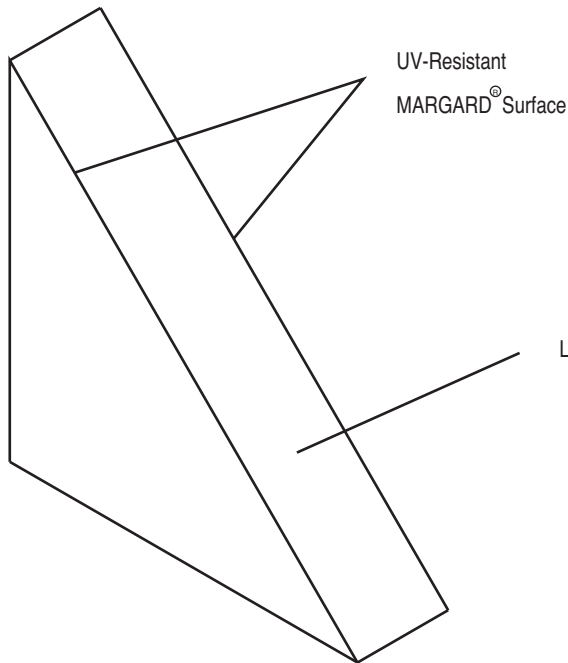
MR10 SHEET

with
MARGARD® Surface UV
and Abrasion Resistant GLAZING

1/8" (3mm), 1/4" (6mm)
3/8" (10mm), 1/2" (13mm)

CATEGORY I & II IMPACT/SAFETY RATED
A product of Sabic Innovative Plastics

DETAIL DRAWING



±5% Tolerance

STANDARD PRODUCT FEATURES

- **AVAILABLE:** in 1/8" (3mm), 1/4" (6mm), 3/8" (10mm), 1/2" (13mm) thickness
- **COLORS:** Clear, Gray, Graylite and Bronze
- **FEATURES:** Combines the impact strength of LEXAN polycarbonate sheet with a proprietary Abrasion-UV resistant MARGARD® surface. Defies Graffiti to stick.
- **WARRANTY:** Backed by a Limited Ten-year warranty against breakage, yellowing, abrasion, loss of light transmission and coating delamination.
- **IMPACT RESISTANCE:** Virtually unbreakable, LEXAN MR-10 sheet has up to 250 times the impact strength of glass and 30 times that of acrylic
- **CLEANING INSTRUCTIONS:** Please see Cleaning Instructions for LEXAN, page 22, this section.

CODE COMPLIANCE

- Approved by BOCA, ICBO, and SBCCI Model Building Code Organizations and Dade County for use as an Approved Plastic Material for Light Transmitting Applications. LEXAN MR10 sheet has the highest rating - Class CC-1 Approved Plastic.
- UNDERWRITERS LABORATORIES: LEXAN MR10 sheet is listed as a Burglary-Resisting Glazing Material according to UL Standard 972.
- CPSC: 16 CFR 1201 Category I and II: LEXAN MR10 sheet complies with the Consumer Products Safety Commissions Safety Standard for Architectural Glazing Materials for both Category I and Category II applications.

ABRASION RESISTANCE COMPARISON

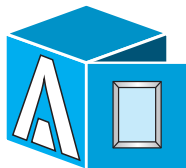
TABER ABRASION	TEST METHOD	Uncoated Polycarbonate	LEXAN MR10 sheet	GLASS
100 Cycles CS10F	ASTM D1044 Z26.1	35.0	1.0 - 4.0	0.5

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Job Name & Location	Submitted by

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MARCH 2012
GLASS AND GLAZING MATERIALS PAGE 18



TECHNICAL DATA

FROM

Anemostat Door Products

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MP-750

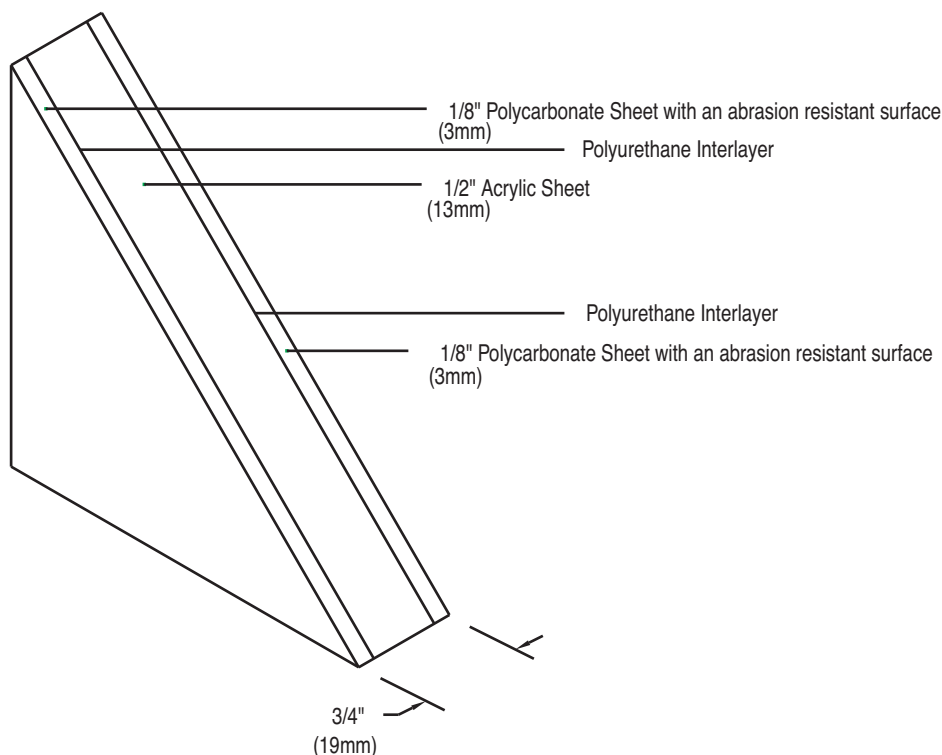
LEXGARD® LAMINATE

3/4" (19mm)

BULLET-RESISTANT and FORCED
ENTRY
SECURITY GLAZING

A product of Lexgard Laminates, LLC

DETAIL DRAWING



±8% Tolerance

STANDARD PRODUCT FEATURES

- Lexgard MP-750 laminate is a three-ply polycarbonate and acrylic laminate primarily developed for security protection. Lexgard MP-750 laminate with an abrasion resistant surface, combines dependable ballistics protection and exceptional abrasion resistance.
- Weight: 4.6 lbs. per sq.ft. (2.086 Kg per 0.093 m²)
- Shading Coefficient (calculated): 1.04 clear
- U-Factor: .71
- % Light Transmission: 87 clear (Average Gardner Value)
- Available Colors: Clear, Bronze, Gray
- Virtually Unbreakable
- CLEANING INSTRUCTIONS: Please see Cleaning Instructions for LEXAN, page 22, this section.
- Conforms with ICBO, BOCA and SBCC1 model building codes as an approved light transmitting plastic with a C2 (CC-2) flammability performance level.

® LEXGARD is a Registered Trademark of Lexgard Laminates, LLC

BALLISTICS and FORCED ENTRY RATINGS

- Complies with the requirement of H.P. White-TP-0500.00 for:
Level B - Ballistic material (9mm) handgun;
Level I - Forced-entry material.
- Complies with the requirements of ASTM F1233-93 for .38 super bullet resistance protection.
- Recognized by Underwriters Laboratories as providing Level 1 (9mm) Small Arms handgun protection per UL Standard 752.

GLAZING INFORMATION

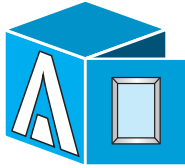
- Structural security metal framing is suggested and where applicable rated to the appropriate bullet resistant level. A minimum edge engagement of one (1) inch (25mm) is recommended with allowances for material expansion. (Larger lites may require deeper engagements.) The use of compatible sealant or gasket material is recommended, with flexible material on both sides of the laminate. Do not use PVC gasket material. Do not use setting blocks made from PVC, EPDM, or neoprene rubber materials. Santoprene rubber should be suggested. If these other rubber products are required, a protective barrier material should be used between the rubber setting block and the LEXGARD® sheet edge.

* Santoprene is a registered trademark of Exxon Mobil Corporation

Job Name & Location	Submitted by

For Most Current Info, Consult Factory or check our website, www.anemostat.com

MARCH 2012
GLASS AND GLAZING MATERIALS PAGE 19



TECHNICAL DATA

FROM

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4958 Stout Dr. #119, San Antonio, TX 78219

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MP-1000

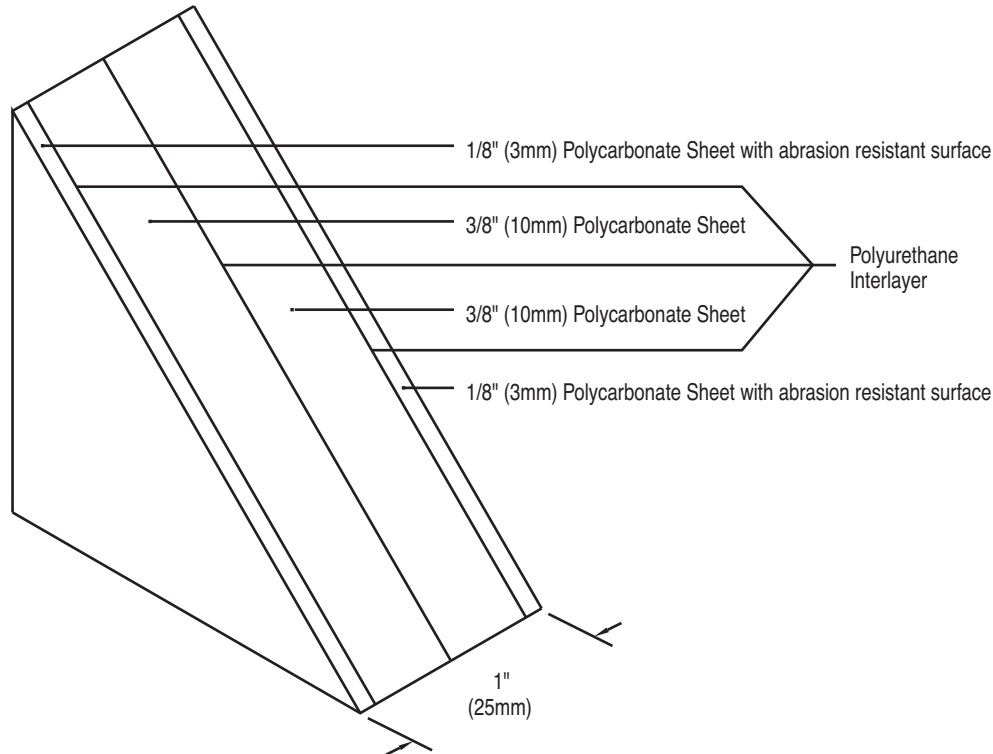
LEXGARD® LAMINATE

1" (25mm)

BULLET-RESISTANT and FORCED
ENTRY
SECURITY GLAZING

A product of Lexgard Laminates, LLC

DETAIL DRAWING



±5% Tolerance

STANDARD PRODUCT FEATURES

- Lexgard MP-1000 laminate is a four-ply polycarbonate laminate primarily developed for Security protection. Lexgard MP-1000 laminate with an abrasion resistant surface combines dependable protection and exceptional abrasion resistance.
- Weight: 6.4 lbs. per sq.ft. (2.903 Kg per 0.093 m²)
- Shading Coefficient (calculated): .93 clear
- U-Factor: .62
- % Light Transmission: 72 clear (Average Gardner Value)
- Available Colors: Clear, Bronze, Gray
- Virtually Unbreakable
- CLEANING INSTRUCTIONS: Please see Cleaning Instructions for LEXAN, page 22, this section.

BALLISTICS and FORCED ENTRY RATINGS

- Complies with the requirement of H.P. White-TP-0500.00 for: Level B - Ballistic material (9 mm) handgun; Level V (step 42) - Forced-entry material.
- Complies with ASTM F1233-08 .38 super, bullet resistant protection Class V (step 41) - Forced-Entry Protection. Contraband Class II (Step 11)
- Recognized by Underwriters Laboratories as providing Level 2 (.357 Magnum) handgun protection per UL Standard 752.
- Conforms with ICBO, BOCA and SBCC1 model building codes as an approved light transmitting plastic with a C1 (CC-1) flammability performance level.

GLAZING INFORMATION

- Structural security metal framing is suggested and where applicable rated to the appropriate bullet resistant level. A minimum edge engagement of one (1) inch (25mm) is recommended with allowances for material expansion. (Larger lites may require deeper engagements.) The use of compatible sealant or gasket material is recommended, with flexible material on both sides of the laminate. Do not use PVC gasket material. Do not use setting blocks made from PVC, EPDM, or neoprene rubber materials. Santoprene rubber should be suggested. If these other rubber products are required, a protective barrier material should be used between the rubber setting block and the LEXGARD® sheet edge.

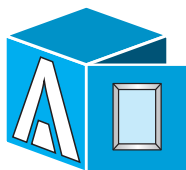
* Santoprene is a registered trademark of Exxon Mobil Corporation

® LEXGARD is a Registered Trademark of Lexgard Laminates, LLC

Job Name & Location	Submitted by

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MARCH 2012
GLASS AND GLAZING MATERIALS PAGE 20



TECHNICAL DATA

FROM

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SP-1250

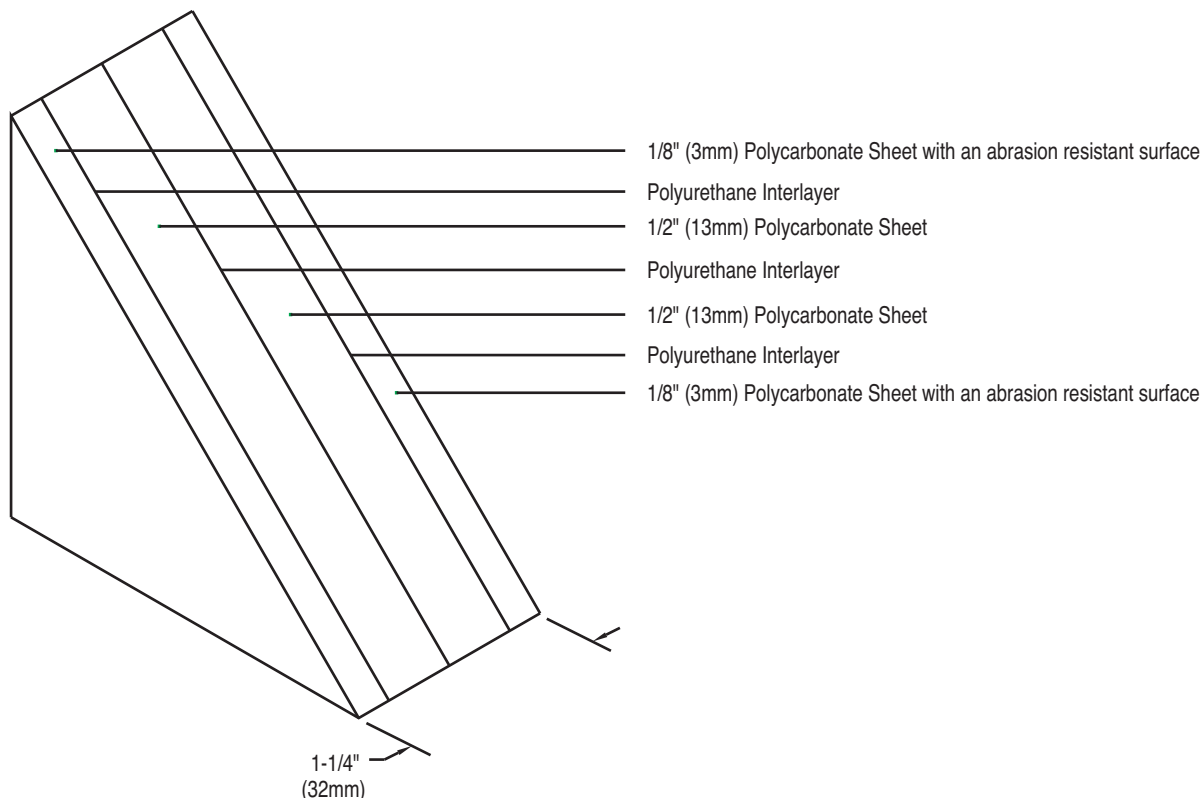
LEXGARD® LAMINATE

1-1/4" (32mm)

BULLET-RESISTANT and FORCED
ENTRY
SECURITY GLAZING

A product of Lexgard Laminates, LLC

DETAIL DRAWING



±5% Tolerance

STANDARD PRODUCT FEATURES

- Lexgard SP-1250 laminate is a four-ply polycarbonate laminate primarily developed for Security protection. Lexgard SP-1250 laminate with an abrasion resistant surface combines dependable protection and exceptional abrasion resistance.
- Weight: 7.7 lbs. per sq.ft. (3.493 Kg per 0.093 m²)
- Shading Coefficient (calculated): .90 clear
- U-Factor: .56
- % Light Transmission: 67 clear (Average Gardner Value)
- Available Colors: Clear, Bronze, Gray
- Virtually Unbreakable
- CLEANING INSTRUCTIONS:** Please see Cleaning Instructions for LEXAN, page 22, this section.

BALLISTIC and FORCED ENTRY RATINGS

- Complies with the requirement of H.P. White-TP-0500.00 for: Level C - Ballistic material (.44 Magnum) handgun; Level V (step 54) - Forced-entry material.
- Complies with ASTM F1233-08 (.44 Magnum) bullet resisting protection Class V (step 41) - Forced-Entry Protection. Contraband Class III (step 20)
- Recognized by Underwriters Laboratories as providing Level 3 (.44 Magnum) handgun protection per UL Standard 752.
- Conforms with ICBO, BOCA and SBCC1 model building codes as an approved light transmitting plastic with a C1 (CC-1) flammability performance level.

GLAZING INFORMATION

- Structural security metal framing is suggested and where applicable rated to the appropriate bullet resistant level. A minimum edge engagement of one (1) inch (25mm) is recommended with allowances for material expansion. (Larger lites may require deeper engagements.) The use of compatible sealant or gasket material is recommended, with flexible material on both sides of the laminate. Do not use PVC gasket material. Do not use setting blocks made from PVC, EPDM, or neoprene rubber materials. Santoprene rubber should be suggested. If these other rubber products are required, a protective barrier material should be used between the rubber setting block and the LEXGARD® sheet edge.

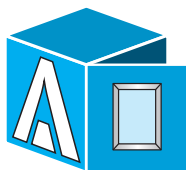
* Santoprene is a registered trademark of Exxon Mobil Corporation

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Job Name & Location	Submitted by

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AUGUST 2014
GLASS AND GLAZING MATERIALS PAGE 21



TECHNICAL DATA

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CLEANING
INSTRUCTIONS
FOR

LEXAN® LEXGARD LAMINATES

DETAIL DRAWING

Cleaning Instructions

When LEXAN sheet is first installed, glazing compound and masking paper adhesives can be easily removed by applying naphtha (VM&P) or kerosene with a soft cloth, followed immediately with a thorough soap and water cleaning. DO NOT USE GASOLINE. Adherence to regular and proper cleaning procedures is recommended to preserve appearance.

LEXAN and LEXGARD Sheet Cleaning Instructions

Because of this material's highly mar- and UV-resistant coating, avoid the use of abrasive cleaners and/or cleaning implements that may mar or gouge the coating.

Graffiti Removal for LEXAN MR10 Sheet

- Butyl cellosolve works well for the removal of paints, marking pen inks, lipstick, etc.
- Masking tape, adhesive tape or lint removal tools work well for lifting off old, weathered paints.
- To remove labels, stickers, etc., the use of kerosene or VM&P naphtha is generally effective. When the solvent will not penetrate sticker material, apply heat (hair dryer) to soften the adhesive and promote removal. GASOLINE SHOULD NOT BE USED.

Job Site Precautions

New construction and renovations frequently require that the glazing and surrounding sash and wall finish be cleaned of any excess mortar, paint, sealant, primers or other construction compounds. Only recommended cleaners should be used to clean LEXAN sheet. Contact with harsh solvents such as methyl ethyl ketone (MEK) or muriatic acid can result in surface degradation and possible crazing of LEXAN sheet.

Washing to Minimize Scratching

Wash LEXAN sheet and LEXGARD® laminates with a mild soap or detergent (e.g., Formula 409® Household Cleaner) and lukewarm water, using a clean sponge or a soft cloth. Rinse well with clean water. Dry thoroughly with a chamois or moist cellulose sponge to prevent water spots.

Fresh paint splashes, grease and smeared glazing compounds can be removed easily before drying by rubbing lightly with a good grade of VM&P naphtha, isopropyl alcohol or butyl cellosolve (2-butoxy ethanol). Do not use butyl cellosolve in direct sunlight.

Afterward, a warm final wash should be made, using a mild soap or detergent solution and ending with a thorough rinsing with clean water.

Minimizing Hairline Scratches

Scratches and minor abrasions can be minimized by using a mild automobile polish. Three such products that tend to polish and fill scratches are Johnson Paste Wax, Novus Plastic Polish #1 and #2, Novus Inc., Minneapolis, MN, Mirror Glaze plastic polish (M.G.M10), Mirror Bright Polish Co., Pasadena, CA. It is suggested that a test be made on a sample of LEXAN sheet with the product selected and that the polish manufacturer's instructions be followed.

The following cleaning agents have been deemed compatible with LEXAN sheet and LEXGARD laminates. The manufacturer's recommendations and instructions should be followed.

- | | |
|---------------------------------|--------------------------------------|
| ▪ Formula409 ¹ | ▪ Top Job ² |
| ▪ Freon T.F. | ▪ VM&P grade naphtha |
| ▪ Joy ³ | ▪ Windex with Ammonia D ⁴ |
| ▪ Palmolive Liquid ⁴ | |

¹ Registered Trademark of Texize, Division of Norton Norwich Products, Inc.

² Registered Trademark of Procter & Gamble.

³ Registered Trademark of Colgate Palmolive.

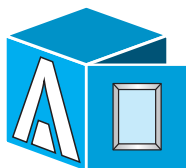
⁴ Registered Trademark of the Drackett Products Company.

Some important "Don'ts"

- DO NOT use abrasive or highly alkaline cleaners on LEXAN sheet products.
- Never scrape LEXAN sheet products with squeegees, razor blades or other sharp instruments.
- Benzene, gasoline, acetone, or carbon tetrachloride should never be used on LEXAN sheet products.
- DO NOT clean LEXAN sheet products in hot sun or at elevated temperatures.

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TECHNICAL DATA

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GLAZING TAPE

(1/32", 1/16", 1/8", 1/4")

CLOSED CELL FOAM SEALANT



UNDERWRITERS'
LABORATORIES

EN-1634

European Standard

FIRE
RATINGS

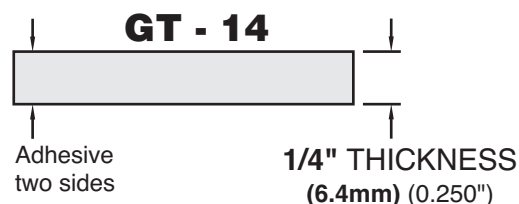
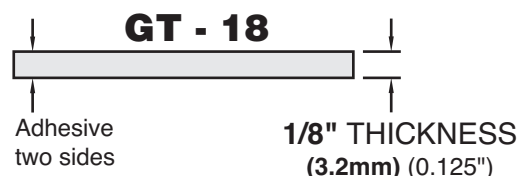
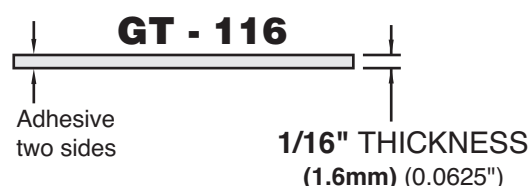
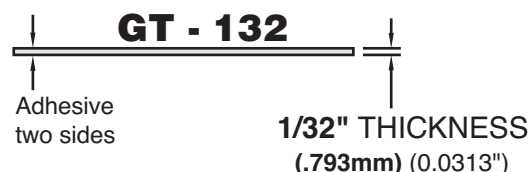
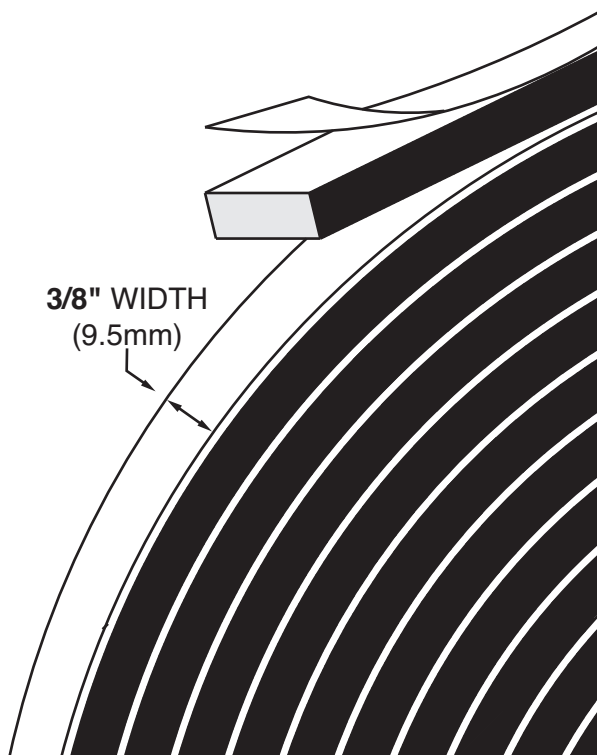


WARNOCK
HERSEY

B.S.-476.22

British Standard

DETAIL DRAWING



SIZES ARE NOT TO SCALE

STANDARD PRODUCT FEATURES

- MATERIAL:** Closed Cell Polyvinyl Chloride Foam Tape with pressure sensitive adhesive on two sides, protected with a paper or polyethylene liner.
- COLOR:** Black.
- WIDTH:** 3/8" (10 mm) wide (all sizes).
- INSTALLATION:** Peel off from roll and place exposed adhesive side directly on to clean surface of vision frame or glass to be glazed. Do not remove liner until sealant is in proper position.
- USES:** Excellent for glazing joints with high movement. Exceeds the requirements of AAMA 810.1 specification.
- NOTE:** Material should be stored at 70°F (21°C), 50% relative humidity. Minimum recommended application temperature is 45°F (7°C).

OPTIONAL FEATURES

- THICKNESS:** 1/32" (0.0313") - 3/8" width x 200 LFt (60.98 m) per roll.
1/16" (0.0625") - 3/8" width x 200 LFt (60.98 m) per roll.
1/8" (0.125") - 3/8" width x 100 LFt (30.49 m) per roll.
1/4" (0.250") - 3/8" width x 50 LFt (15.24 m) per roll.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

- 20/45/60/90/180 MINUTE:** When used in a fire rated door component assembly.

BS 476.22

British Standard

Timber Doors - 30 min.

Steel Doors - 1 hour.

EN-1634

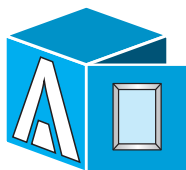
European Std.

30/60 min. integrity and insulation - Indicative Testing

- IMPORTANT:** Because Anemostat can not anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions/use prior to use. The product contains plasticizer which may adversely affect some plastics.

Job Name & Location	Submitted by

For Most Current Info, Consult Factory or check our website, www.anemostat.com



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

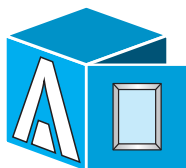
INDEX

FOR

LOUVERS

DETAIL DRAWING

MODEL	DESCRIPTION	DATE PRINTED	PAGE
AFDL	Inverted "Y"	March 2012	1
AFDL-N	Expandable 1-1/2" to 1-3/4"	August 2016	2
AFDL-W	Expandable 1-3/4" to 2-1/8"	August 2016	3
AFDL-W1	Expandable 2-1/8" to 2-9/16"	August 2016	4
FDLS	Inverted Split "Y"	March 2012	5
FLDL	Fusible Link - Self Attaching	May 2014	6
FLDL-W	Expandable 1-3/4" to 2-1/8"	May 2017	7
FLDL-W1	Expandable 2-1/8" to 2-9/16"	November 2016	8
ADL	Adjustable "Z" Blade - Self Attaching	July 2011	9
CHDL	Inverted "V" - Core Only	July 2011	10
CHDL-1F	Inverted "V" - Core with Frame one side only	July 2011	11
CHDL-2F	Inverted "V" - Core with Frame both sides	July 2011	12
DRDL	Dark room, Double Inverted "V"	July 2011	13
SRDL	Storm Proof Louver	August 2012	14
SRDL	Performance Data	July 2011	15
FPL-1	Fixed Position Self Attaching "Z" Blade	November 2011	16
FPL-2	Fixed Position Thru-Bolted "Z" Blade	July 2011	17
Screens for Louvers	Attached	July 2011	18
Screens for Louvers	Framed	July 2011	19
Fasteners for Louvers		July 2011	20
Sizing Wall & Door Louvers		July 2011	21-23



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

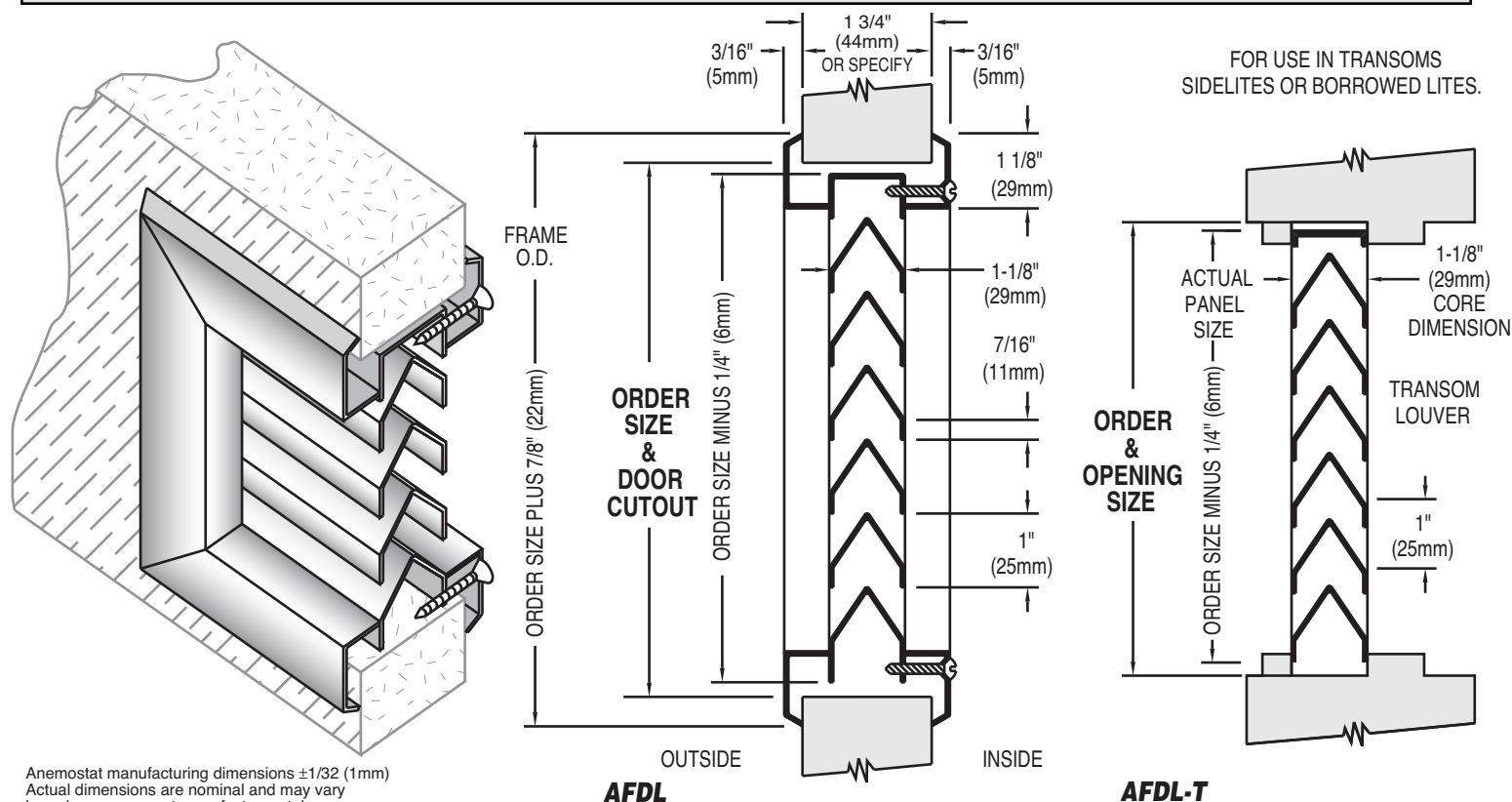
e-mail: door@anemostat.com • website: www.anemostat.com

AFDL
INVERTED Y
NON-VISION LOUVER

AFDL-T
TRANSOM LOUVER
CORE ONLY

NOT FIRE RATED

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$ (1mm)
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.2mm) Cold Rolled Steel - Frame.
22 GA. (.75mm) Cold Rolled Steel - Louver Blades.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** Our top selling louver is preferred because of its ease of installation. Use #8x1" (25mm) phillips screw that fastens auxiliary frame to the louver core, thru the cutout in the door, thus eliminating the need to drill holes in the door for thru bolts. This method saves time and installation labor and leaves the corridor side of the frame free of fasteners for added security, and a cleaner aesthetic appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) Door 1-3/8" (35mm), 2" (50mm) and 2 1/8" (54mm) are available. Louver core may be offset.
- AESTHETICS:** Tight mitered corners, no visible welds, countersunk mounting holes and corridor side of frame free of fasteners make for a clean, streamlined appearance
- USES:** Anywhere air flow is required thru a door.
- FREE AIR FLOW:** 50% Free Area.

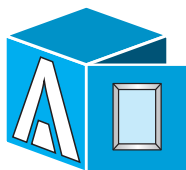
OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish(Satin), Galvanized (Coil, Hot Dipped or Zinc Plated), Mill Finish or Anodized Aluminum (#5052 Alloy), 16 gauge (1.5mm) Cold Rolled Steel or Stainless Steel.
- FINISH:** Custom Baked Enamel Colors (as per sample paint chip, supplied by customer).
- FASTENERS:** Special Security Screw Fasteners, See Page 14, this section.
- SPECIALS:** Fractional sizes (frame dimension is increased to accommodate odd size).
Mesh insect screens are loose, attached or framed.
(Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel.)
For detail drawings see pages 12 and 13 this section.

FIRE RATINGS

- AFDL and AFDL-T are not fire rated.**
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

AFDL-N

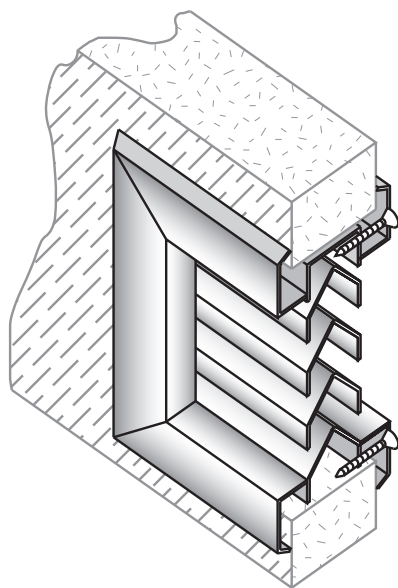
38 mm to 44 mm
(1-1/2" to 1-3/4")

EXPANDABLE

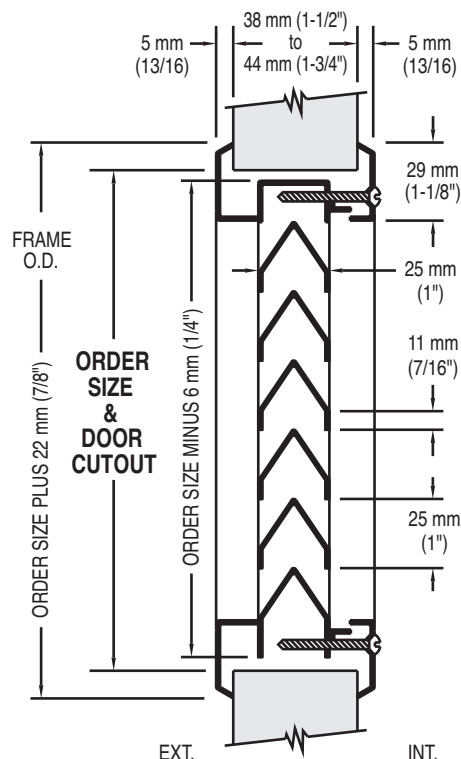
INVERTED Y
NON-VISION LOUVRE

NOT FIRE RATED

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 0.8\text{mm}$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 1.2 mm (18 GA) Galvanised Steel - Frame.
.75 mm (22 GA) Galvanised Steel - Louver Blades.
- FINISH:** RAL 9006 Silver Baked Enamel, Gray Primer, Beige or Bronze Baked Enamel
- INSTALLATION:** Our top selling louver is preferred because of its ease of installation. Use #8 x 25mm (1") phillips screw that fastens auxiliary frame to the louver core, thru the cutout in the door, thus eliminating the need to drill holes in the door. This method saves time and installation labor and leaves the corridor side of the frame free of fasteners for added security, and a cleaner aesthetic appearance.
- DOOR THICKNESS:** Expandable from 38 mm (1-1/2") to 44 mm (1-3/4") Metal or Wood Doors
- AESTHETICS:** Tight mitered corners, no visible welds, countersunk mounting holes and corridor side of frame free of fasteners make for a clean, streamlined appearance
- USES:** Anywhere air flow is required thru a door.
- FREE AIR FLOW:** 50% Free Area.

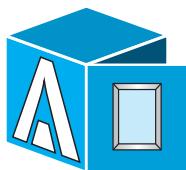
OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanised (Hot Dipped or Zinc Plated), Mill Finish or Anodized Aluminum (#5052 Alloy), 16 gauge Cold Rolled Steel or Stainless Steel.
- FINISH:** Custom Baked Enamel Colors (as per sample paint chip, supplied by customer).
- FASTENERS:** Special Security Screw Fasteners
- SPECIALS:** Odd sizes (frame dimension is increased to accomodate odd size). Height dimension must be in even inches, 1" (25.4mm) Mesh insect screens are loose, attached or framed. (Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel.)

FIRE RATINGS

- AFDL-N is not fire rated.**
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

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AFDL-W1

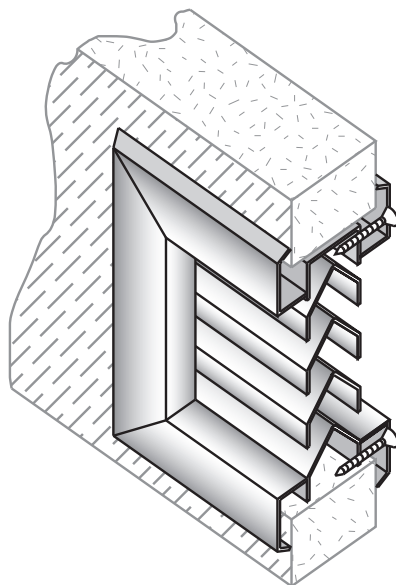
55 mm to 65 mm
(2-1/8" to 2-9/16")

EXPANDABLE

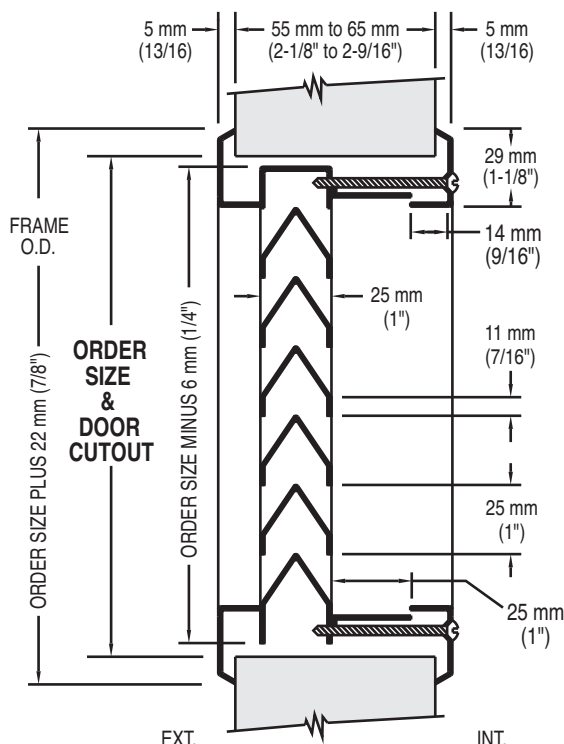
INVERTED Y
NON-VISION LOUVRE

NOT FIRE RATED

DETAIL DRAWING



Anemostat manufacturing dimensions ± 0.8 mm
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 1.2 mm (18 GA) Galvanised Steel - Frame.
.75 mm (22 GA) Galvanised Steel - Louver Blades.
- FINISH:** RAL 9006 Silver Baked Enamel, Gray Primer, Beige or Bronze Baked Enamel
- INSTALLATION:** Our top selling louver is preferred because of its ease of installation. Use #8 x 38mm (1-1/2") or 44mm (1-3/4") phillips screw that fastens auxiliary frame to the louver core, thru the cutout in the door, thus eliminating the need to drill holes in the door. This method saves time and installation labor and leaves the corridor side of the frame free of fasteners for added security, and a cleaner aesthetic appearance.
- DOOR THICKNESS:** Expandable from 55 mm (2-1/8") to 65 mm (2-9/16")
Metal or Wood Doors
- AESTHETICS:** Tight mitered corners, no visible welds, countersunk mounting holes and corridor side of frame free of fasteners make for a clean, streamlined appearance
- USES:** Anywhere air flow is required thru a door.
- FREE AIR FLOW:** 50% Free Area.

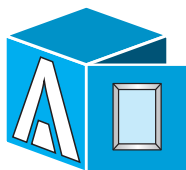
OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanised (Hot Dipped or Zinc Plated), Mill Finish or Anodized Aluminum (#5052 Alloy), 16 gauge Cold Rolled Steel or Stainless Steel.
- FINISH:** Custom Baked Enamel Colors (as per sample paint chip, supplied by customer).
- FASTENERS:** Special Security Screw Fasteners
- SPECIALS:** Odd sizes (frame dimension is increased to accomodate odd size).
Height dimension must be in even inches, 1" (25.4mm)
Mesh insect screens are loose, attached or framed.
(Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel.)

FIRE RATINGS

- AFDL-W1 is not fire rated.**
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

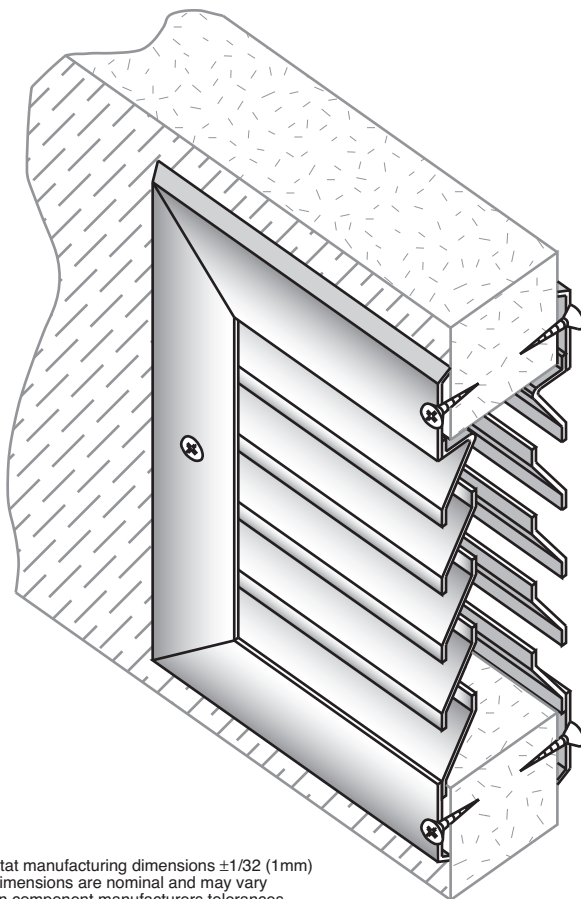
e-mail: door@anemostat.com • website: www.anemostat.com

FDLS

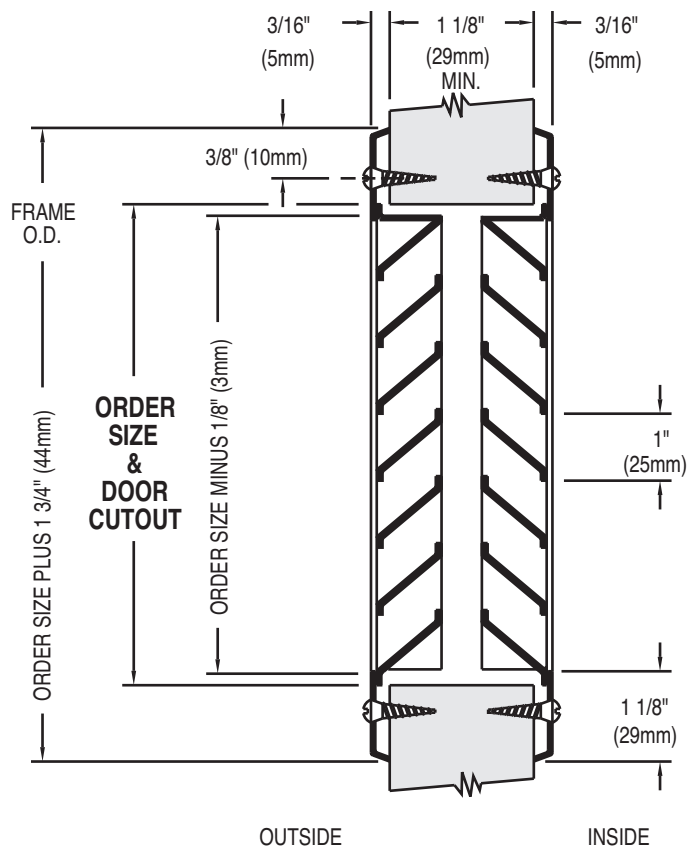
INVERTED SPLIT Y
NON-VISION LOUVER

NOT FIRE RATED

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$ (1mm)
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.2mm) Cold Rolled Steel - Frame and Louver Blades.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** Fastens to door by means of #8x3/4" (19mm) sheet metal or wood screws, directly into the door, thru countersunk mounting holes.
- DOOR THICKNESS:** Will fit any door thickness 1 1/8" (29mm) and over.
- AESTHETICS:** Tight mitered corners, no visible welds, and countersunk mounting holes make for a versatile, easy to use Louver.
- USES:** Anywhere air flow is required thru a door.
- FREE AIR FLOW:** 50% Free Area.

OPTIONAL FEATURES

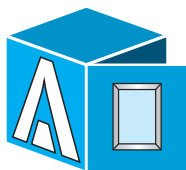
- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Coil, Hot Dipped or Zinc Plated), Mill Finish or Anodized Aluminum (#5052 Alloy).
- FINISH:** Custom Baked Enamel Colors (as per sample chip, supplied by customer).
- FASTENERS:** Special Security Screw Fasteners, See Page 14, this section.
- SPECIALS:** Fractional sizes (frame dimension is increased to accomodate odd size).
Mesh insect screens are loose, attached or framed.
(Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel.)
For detail drawings see pages 12 & 13, this section.

FIRE RATINGS

- FDLS is not fire rated.

- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

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FLDL FIRE RATED FUSIBLE LINK LOUVER

FIRE
RATINGS

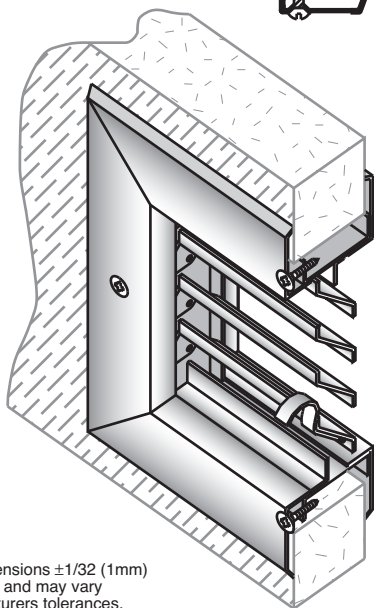
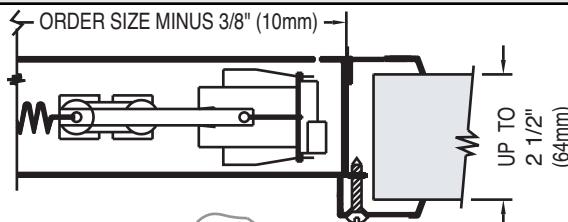


UNDERWRITERS'
LABORATORIES
FILE #R7776

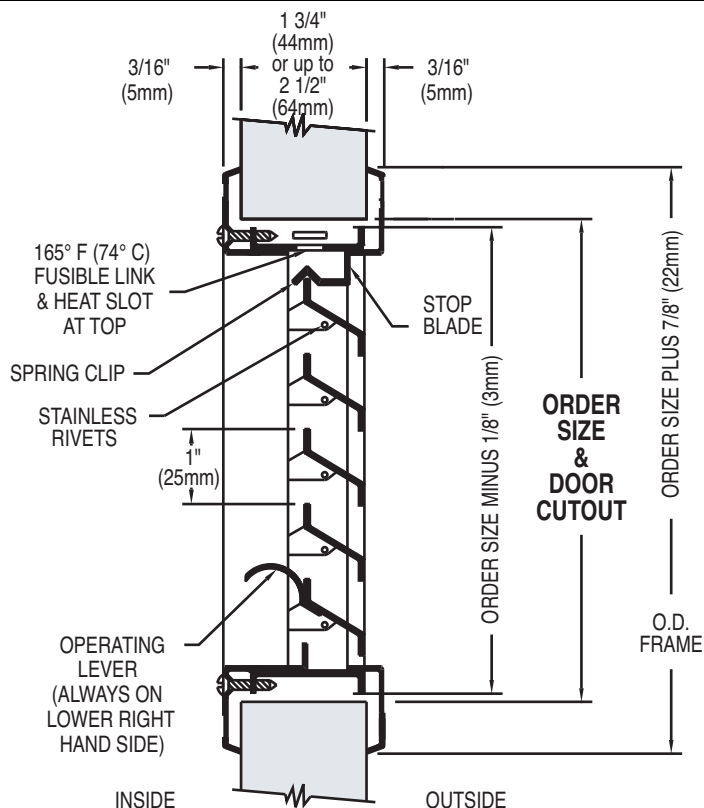
B.S.-476.22
British Standard

BSEN-1634-1
Fire Resistance

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$ (1mm)
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.2mm) Cold Rolled Steel Frame and Louver Blades, 16 GA. (1.5mm) inner support members.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** Self attaching using #8 x 1" (25mm) phillips head screws that fasten the auxiliary frame to the louver core, thru the cut out in the door. The corridor side of the frame is free of fasteners for added security.
- DOOR THICKNESS:** 1-3/4" (44mm) Door is Standard. Also available up to FLDL-W: 1-3/4" to 2-1/8" (45mm to 54mm) FLDL-W1: 2-1/8" to 2-9/16" (55mm to 65mm)
- CLOSING ASSEMBLY:** Stainless steel operating springs assure proper action with the closing mechanism.
- FREE AIR FLOW:** 40% Free Area.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Zinc Plated). Not available in Hot Dipped or Aluminum.
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied by customer).
- FASTENERS:** Special security screw fasteners, See page 14, this section.
- SPECIALS:** Fractional sizes not available. Height must be in even inches, 1" (25.4mm)
- SCREENS:** 18-14 mesh insert screens, framed or attached. (Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel). For detail drawings see pages 12 and 13, this section.

FIRE RATINGS and TEST STANDARDS

UL 10C with Classification Markings

- Approved Listing - 20/45/60/90 Minutes
Max width 24" (610mm), Max height 24" (610mm)
Min width 10" (254mm), Min height 6" (152mm)

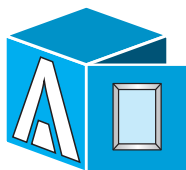
BSEN-1634-1:2008 (Fire Resistance)

- Approved Testing - Timber Doors - *30 minutes (E-30)
Max width 24" (610mm), Max height 24" (610mm)
Min width 10" (254mm), Min height 6" (152mm).
*Must be used with Zero Plus Intumescent Aperture Liner

BS 476.22

- Approved Testing - Steel Doors - 120 Minutes (E-120)
Max width 24" (610mm), Max height 24" (610mm)
Min width 10" (254mm), Min height 6" (152mm)

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

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e-mail: door@anemostat.com • website: www.anemostat.com

FLDL-W EXPANDABLE

FIRE RATED
FUSIBLE LINK LOUVER

FIRE
RATINGS

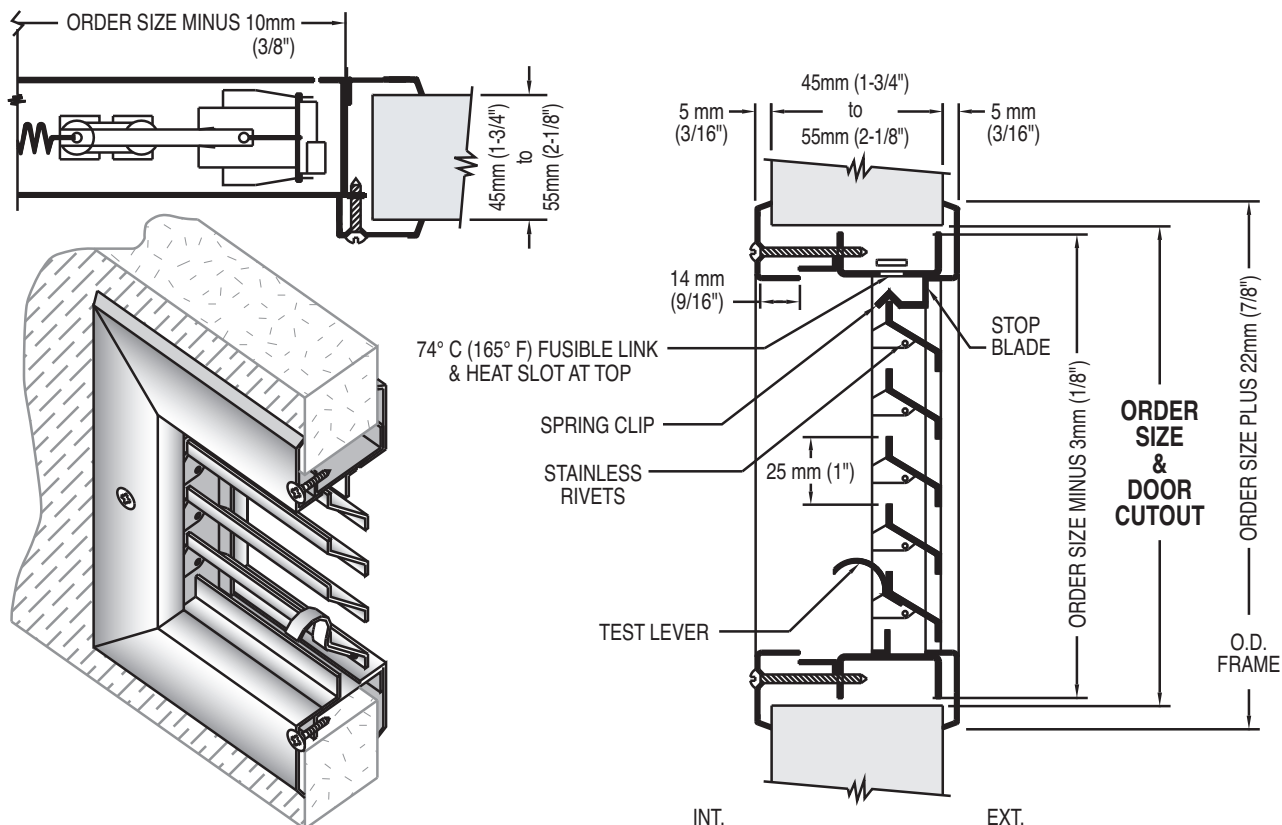
B.S.-476.22
British Standard

BSEN-1634-1
Fire Resistance



UNDERWRITERS'
LABORATORIES
FILE #R7776

DETAIL DRAWING



STANDARD PRODUCT FEATURES

- MATERIAL:** 1.2 mm (18 GA) Galvanised Steel Frame and Louver Blades, 1.5 mm (16 GA) inner support members.
- FINISH:** RAL 9006 Silver Baked Enamel, Gray Primer, Beige or Bronze Baked Enamel
- INSTALLATION:** Self attaching using #8 x 25mm (1") or 38mm (1-1/2") phillips head screws that fasten the auxiliary frame to the louver core, thru the cut out in the door. The corridor side of the frame is free of fasteners for added security.
- DOOR THICKNESS:** Expandable from 45mm (1-3/4") to 55mm (2-1/8") Metal or Wood Doors
- CLOSING ASSEMBLY:** Stainless steel operating springs assure proper action with the closing mechanism.
- AESTHETICS:** Tight mitered corners and countersunk mounting holes make for a clean appearance.
- FREE AIR FLOW:** 40% Free Area.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanised (Zinc Plated). Not available in Hot Dipped or Aluminum.
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied by customer).
- FASTENERS:** Special security screw fasteners
- SPECIALS:** Fractional sizes not available. Height must be in even inches, 1" (25.4mm)

FIRE RATINGS

UL 10C with Classification Markings

- Approved Testing - 20/45/60/90 Minutes
Max width 24" (610mm), max height 24" (610mm)
Min width 10" (254mm), min height 6" (152mm)

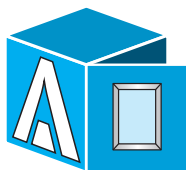
BSEN-1634-1:2008 (Fire Resistance)

- Approved Testing - Timber Doors - *60 minutes (E-60)
Max width 24" (610mm), max height 24" (610mm)
Min width 10" (254mm), min height 6" (152mm).
*Must be used with Zero Plus Intumescent Aperture Liner

BS 476.22

- Approved Testing - Steel Doors - 120 Minutes (E-120)
Max width 24" (610mm), max height 24" (610mm)
Min width 10" (254mm), min height 6" (152mm)

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FLDL-W1

EXPANDABLE

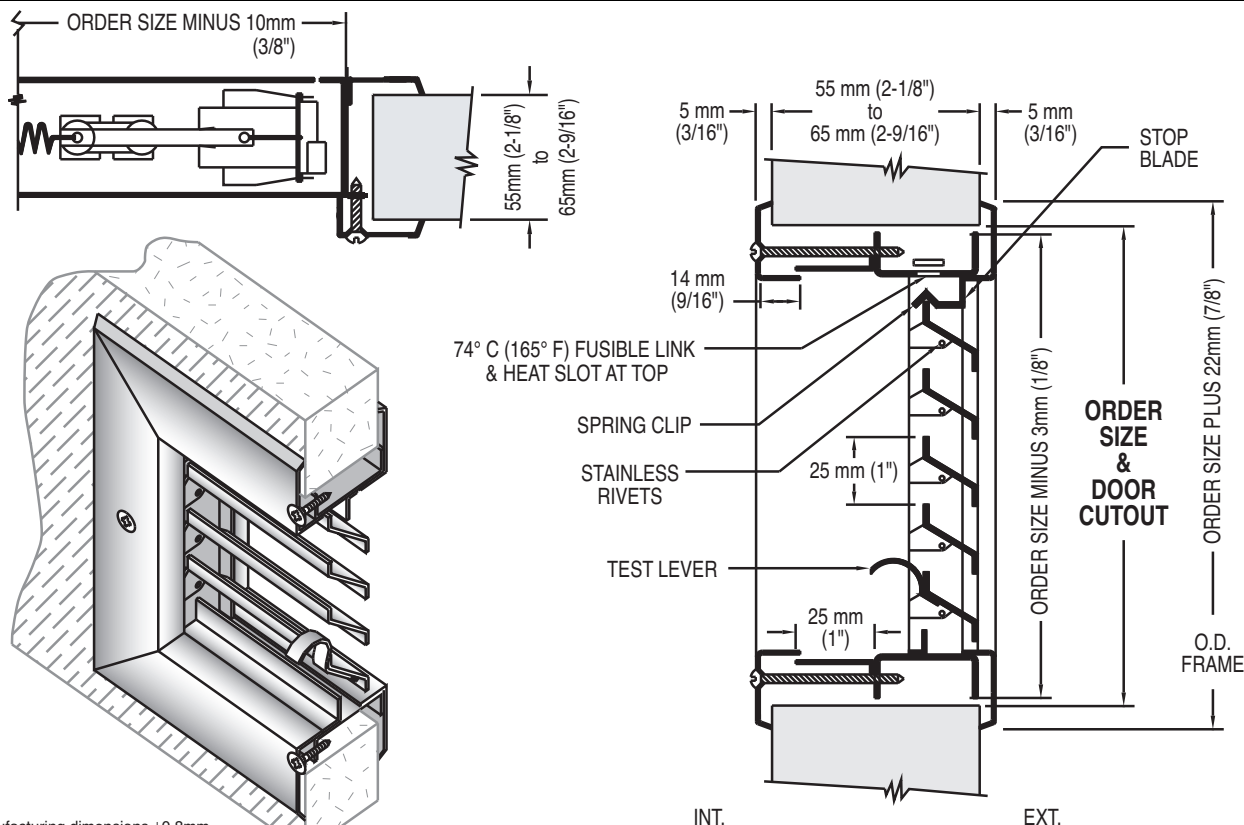
FIRE RATED
FUSIBLE LINK LOUVER

FIRE
RATINGS

B.S.-476.22
British Standard

EN-1634
Integrity

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 0.8\text{mm}$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- MATERIAL:** 1.2 mm (18 GA) Galvanised Steel Frame and Louver Blades, 1.5 mm (16 GA) inner support members.
- FINISH:** RAL 9006 Silver Baked Enamel, Gray Primer, Beige or Bronze Baked Enamel
- INSTALLATION:** Self attaching using #8 x 38mm (1-1/2") or 45mm (1-3/4") phillips head screws that fasten the auxiliary frame to the louver core, thru the cut out in the door. The corridor side of the frame is free of fasteners for added security.
- DOOR THICKNESS:** Expandable from 55mm (2-1/8") to 65mm (2-1/2") Metal or Wood Doors
- CLOSING ASSEMBLY:** Stainless steel operating springs assure proper action with the closing mechanism.
- AESTHETICS:** Tight mitered corners and countersunk mounting holes make for a clean appearance.
- FREE AIR FLOW:** 40% Free Area.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanised (Zinc Plated). Not available in Hot Dipped or Aluminum.
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied by customer).
- FASTENERS:** Special security screw fasteners
- SPECIALS:** Fractional sizes not available.

FIRE RATINGS

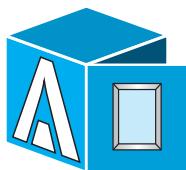
BS 476.22

- Approved Testing - Steel Doors - 120 Minutes (E-120)
Max width 24" (610mm), max height 24" (610mm)
Min width 10" (254mm), min height 6" (152mm)

EN-1634 - Integrity Only

- Approved Testing - Steel Doors - 90 Minutes (E-90)
Max width 32" (813mm), max height 32" (813mm)
Min width 10" (254mm), min height 6" (152mm)

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

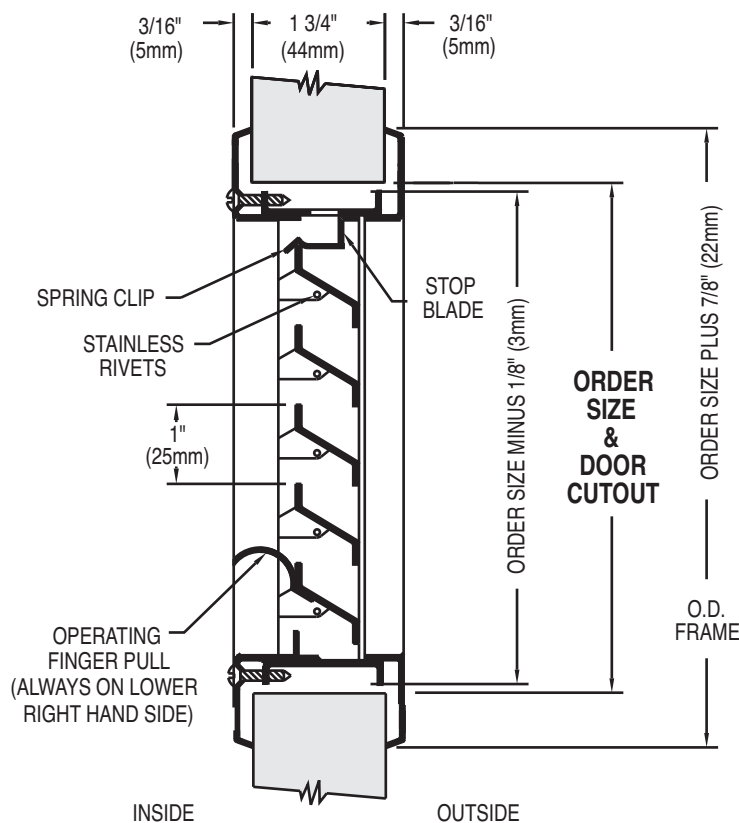
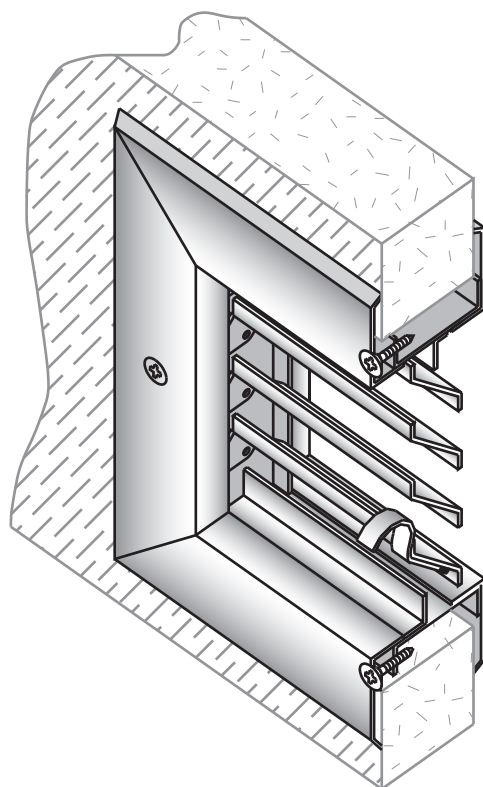
e-mail: door@anemostat.com • website: www.anemostat.com

ADL

"Z" BLADE
OPERATING LOUVER

NOT FIRE RATED

DETAIL DRAWING



STANDARD PRODUCT FEATURES

- **MATERIAL:** 18 GA. Cold Rolled Steel Frame and Louver Blades, 16 GA. inner support members.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** Self attaching using #8 x 1" phillips head screws that fasten the auxiliary frame to the louver core, thru the cutout in the door. The corridor side of the frame is free of fasteners for added security.
- **DOOR THICKNESS:** For 1 3/4" Door (available for 1 3/8" Doors).
- **AESTHETICS:** Tight mitered corners and countersunk mounting holes make for a clean appearance.
- **USES:** Where an operating louver without a fire rating is required.
- **FREE AIR FLOW:** 40% Free Area.
- **MAX. 1 PIECE CONSTRUCTION:** 32" w x 36" h. Larger sizes constructed of 2 or more ADL units mulled or stacked
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

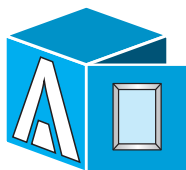
OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Coil or Zinc Plated). Not available in Hot Dipped or Aluminum.
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied by customer).
- **FASTENERS:** Special Security Screw Fasteners, See Page 14, this section.
- **SPECIALS:** Fractional sizes not available.
18-14 mesh insert screens, framed or attached. (Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel). For detail drawings see pages 12 and 13, this section.

FIRE RATINGS

- **ADL is not fire rated.**

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

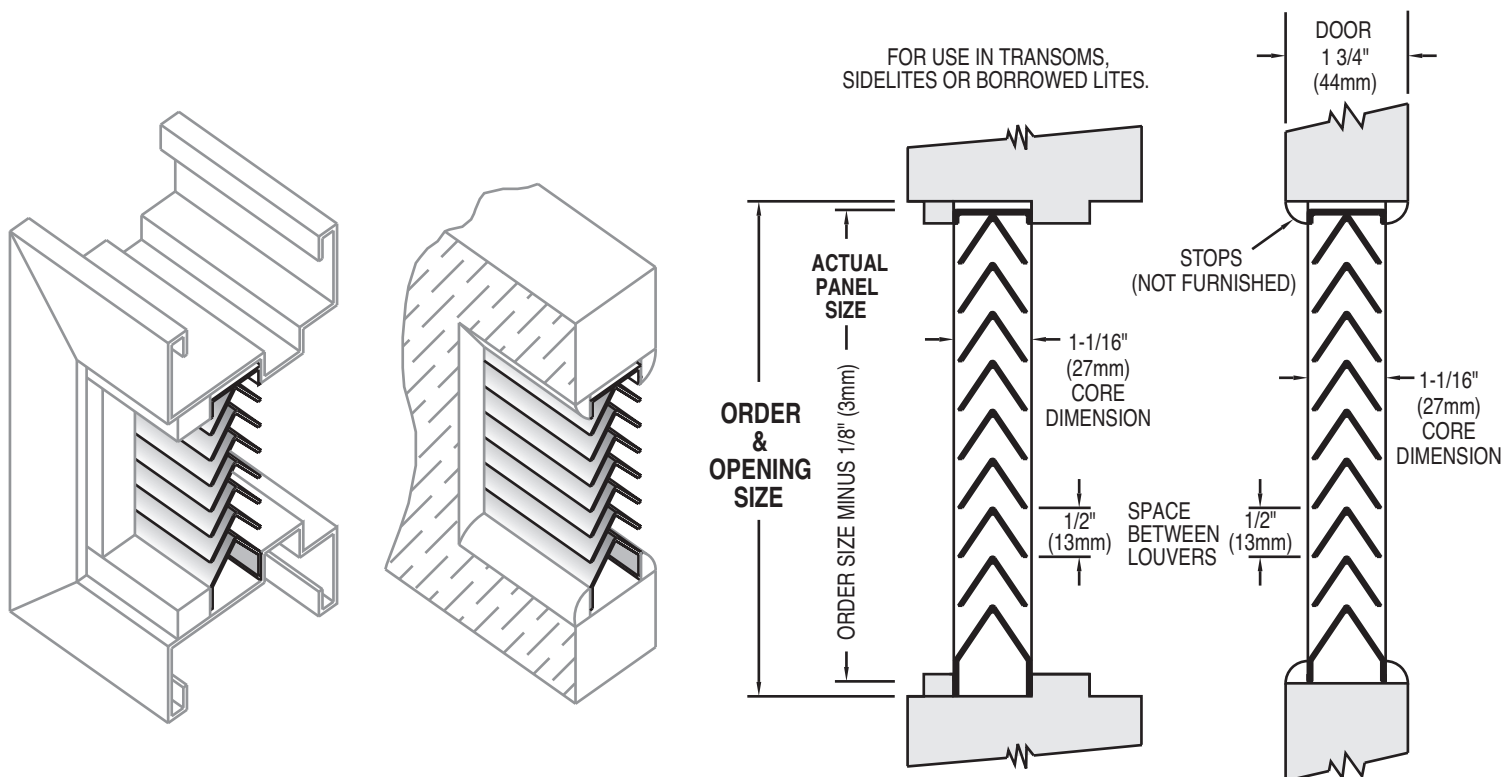
e-mail: door@anemostat.com • website: www.anemostat.com

CHDL

INVERTED V
NON-VISION LOUVER
LOUVER CORE ONLY

NOT FIRE RATED

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- **MATERIAL:** 22 GA. Cold Rolled Steel Louver Blades.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** Installs into door or frame rabbet using wood or metal stops on one or both sides of Louver core.
- **DOOR or FRAME THICKNESS:** Since Louver core has a 1-1/16" width, the minimum door or frame width would be 1-1/16" , plus stops on both sides to hold louver in place.
- **USES:** Ideal for use in transoms, side lites or as a flush mounted louver in wood doors with 3/8" wide stop both sides.
- **FREE AIR FLOW:** 60% Free Area.
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

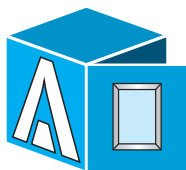
OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Coil Hot Dipped or Zinc Plated), Mill Finish or Anodized Aluminum (#5052 Alloy)
- **FINISH:** Custom Baked Enamel Colors (as per sample chip, supplied by customer).
- **SPECIALS:** Fractional Widths only.
Mesh insect screens, loose or attached. (Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel.)
For detail drawings see page 12 & 13, this section.

FIRE RATINGS

- CHDL is not fire rated.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

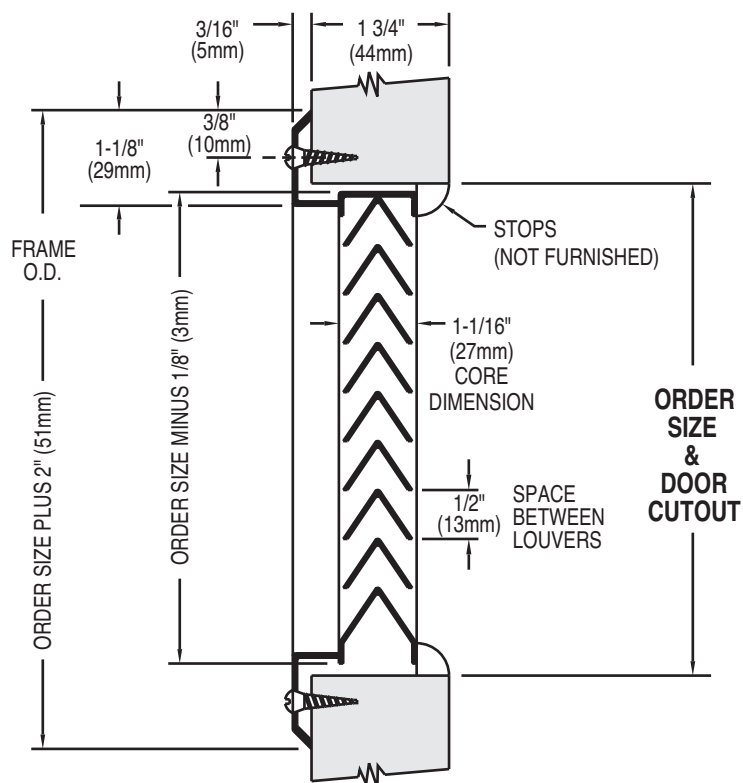
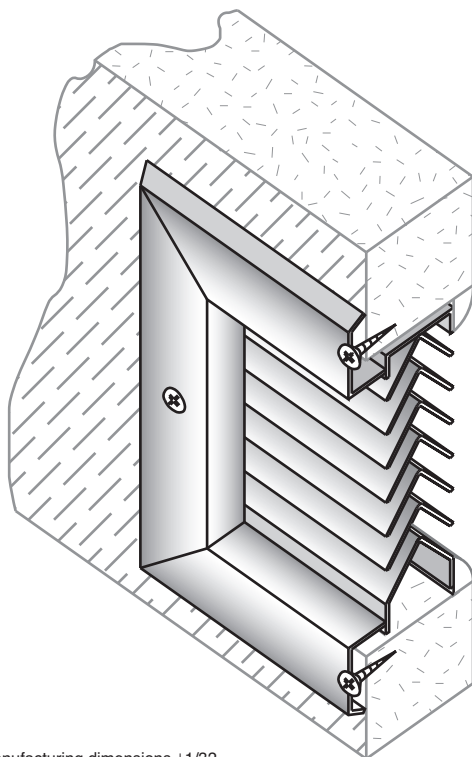
e-mail: door@anemostat.com • website: www.anemostat.com

CHDL-1F

INVERTED V
NON-VISION LOUVER
LOUVER CORE WITH
FRAME ONE SIDE

NOT FIRE RATED

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- **MATERIAL:** 18 GA. Cold Rolled Steel - Frame.
22 GA. Cold Rolled Steel - Louver Blades.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** Installs into door or frame using #8x3/4" sheet metal or wood screws directly into the door or frame on one side. The Louver core side requires use of wood or metal stop.
- **DOOR or FRAME THICKNESS:** Minimum Louver core and one side frame dimension is 1 9/16".
- **USES:** Where there is an application requiring a minimal clearance on one side of Louver core and need attaching flange (frame).
- **FREE AIR FLOW:** 60% Free Area.
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

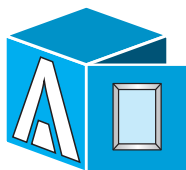
OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Coil Hot Dipped or Zinc Plated), Mill Finish or Anodized Aluminum (#5052 Alloy)
- **FINISH:** Custom Baked Enamel Colors (as per sample chip, supplied by customer).
- **FASTENERS:** Special Security Screw Fasteners, See Page 14, this section.
- **SPECIALS:** Fractional sizes (frame dimension is increased to accommodate odd size).
Mesh insect screens, loose or attached. (Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel.)
For detail drawings see page 12 & 13, this section.
- **DOOR THICKNESS:** 1 3/8" is available by special order.

FIRE RATINGS

- **CHDL-1F is not fire rated.**

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

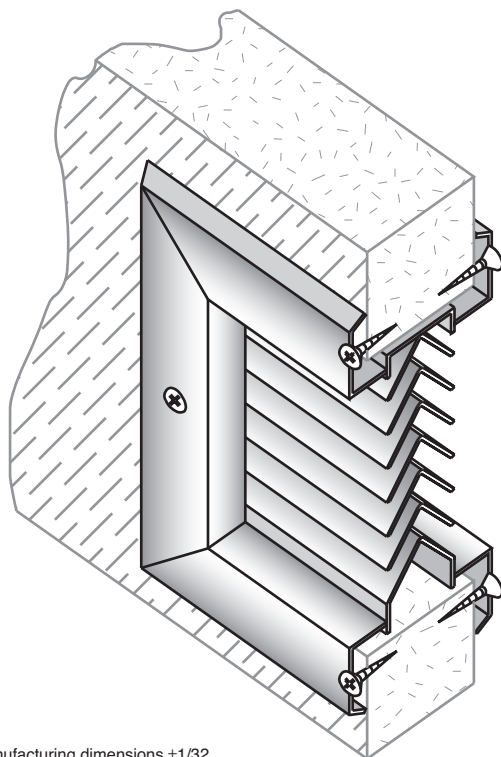
e-mail: door@anemostat.com • website: www.anemostat.com

CHDL-2F

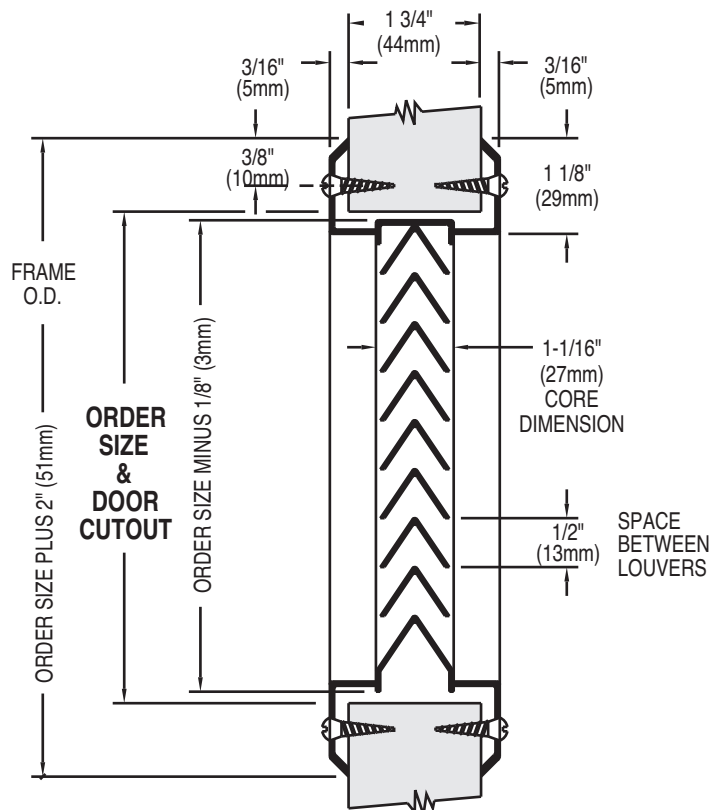
INVERTED V
NON-VISION LOUVER
LOUVER CORE WITH
FRAME TWO SIDES

NOT FIRE RATED

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. Cold Rolled Steel - Frame.
22 GA. Cold Rolled Steel - Louver Blades.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** Fastens to door by means of #8x3/4" sheet metal or wood screws, directly into the door thru countersunk mounting holes.
- DOOR THICKNESS:** For 1 3/4" Door (1 3/8" is available)
- AESTHETICS:** Tight mitered corners, no visible welds make for a clean, sharp look.
- USES:** Where 1/2" louver spacing is preferred.
- FREE AIR FLOW:** 60% Free Area.

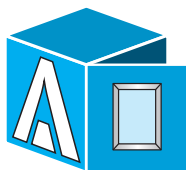
OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Coil Hot Dipped or Zinc Plated), Mill Finish or Anodized Aluminum (#5052 Alloy)
- FINISH:** Custom Baked Enamel Colors (as per sample chip, supplied by customer).
- FASTENERS:** Special Security Screw Fasteners, See Page 14, this section.
- SPECIALS:** Fractional sizes (frame dimension is increased to accommodate odd size).
Mesh insect screens, loose or attached. (Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel.)
For detail drawings see page 12 & 13, this section.
- DOOR THICKNESS:** For 1 3/8" is available by special order.

FIRE RATINGS

- CHDL-2F is not fire rated.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

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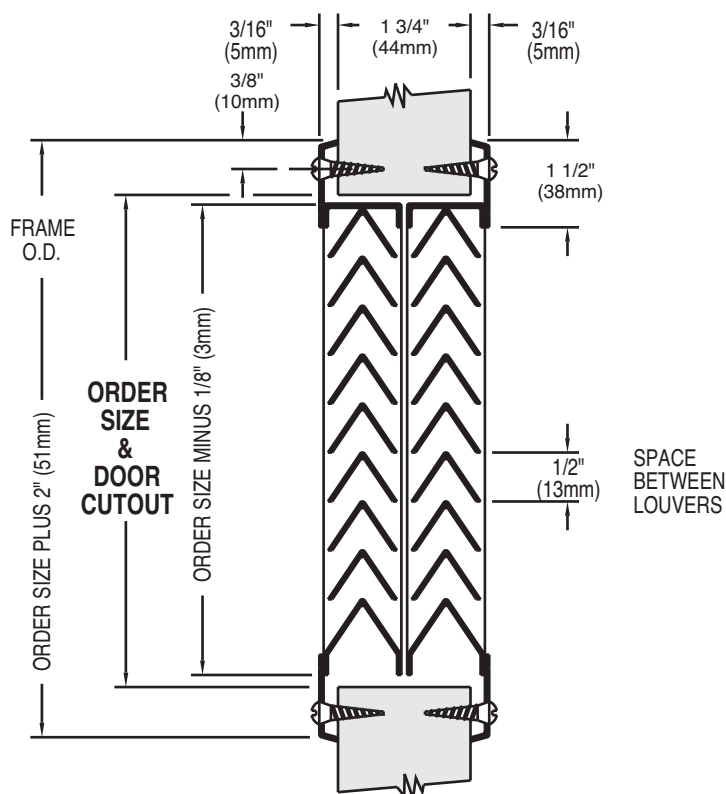
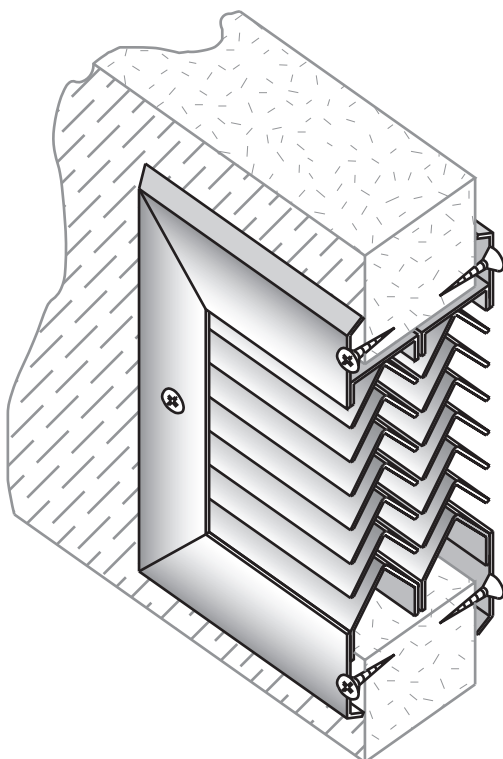
DRDL

DOUBLE INVERTED V

DARKROOM LOUVER

NOT FIRE RATED

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- **MATERIAL:** 18 GA. Cold Rolled Steel - Frame.
22 GA. Cold Rolled Steel - Louver Blades.
- **FINISH:** Standard finish provided is Flat Black Enamel, unless specified Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** Fastens to door by means of #8x3/4" sheet metal or wood screws, directly into the door thru countersunk mounting holes.
- **DOOR THICKNESS:** For 1 3/4" Door (1 3/8" is available)
- **AESTHETICS:** Tight mitered corners, no visible welds make for a clean, sharp look.
- **USES:** For Darkroom applications where light cannot be present.
- **FREE AIR FLOW:** 60% Free Area.
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

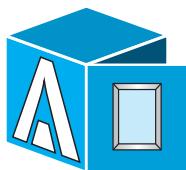
OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Coil, Hot Dipped or Zinc Plated), Mill Finish or Anodized Aluminum (#5052 Alloy)
- **FINISH:** Custom Baked Enamel Colors (as per sample chip, supplied by customer).
- **FASTENERS:** Special Security Screw Fasteners, See Page 14, this section.
- **SPECIALS:** Fractional sizes (frame dimension is increased to accommodate odd size).
Mesh insect screens, loose or attached.
(Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel.)
For detail drawings see page 12 & 13, this section.

FIRE RATINGS

- DRDL is not fire rated.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

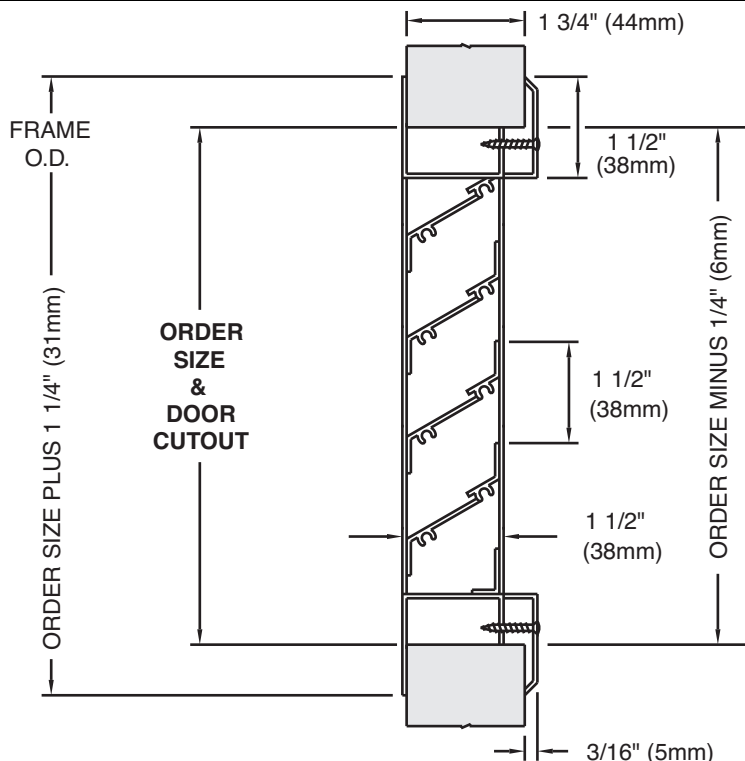
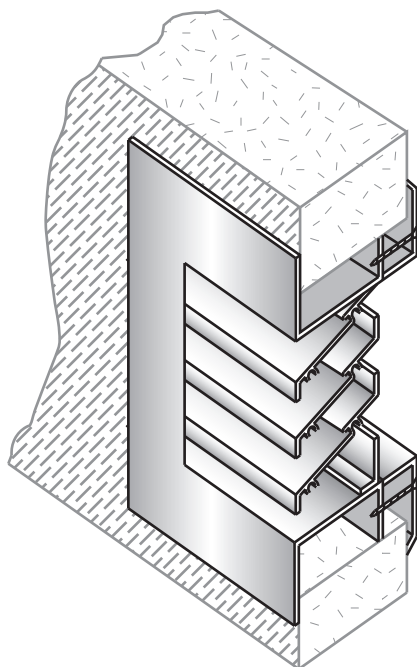
SRDL

STORM PROOF

EXTRUDED ALUMINUM
LOUVER

NOT FIRE RATED

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.

STANDARD PRODUCT FEATURES

- MATERIAL:** Extruded Aluminum .063" thick
- FINISH:** Mill Finish
- INSTALLATION:** Uses #8x1" phillips screw that fastens auxiliary frame to the louver core, thru the cutout in the door, thus eliminating the need to drill holes in the door for thru bolts. This method saves time and installation labor and leaves the corridor side of the frame free of fasteners for added security, and a cleaner aesthetic appearance.
- DOOR THICKNESS:** For 1 3/4" Wood or Metal doors.
- AESTHETICS:** Tight mitered corners and low profile provide a clean tapered look.
- USES:** Storm Proof Louver is designed for schools, commercial and institutional buildings where protection from weather is required.
- FREE AIR FLOW:** 36% free area
- IMPORTANT:** Interpretation of building codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

OPTIONAL FEATURES

- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied).
- FASTENERS:** Special Security Screw Fasteners, See Page 14, this section.
- SPECIALS:** Fractional sizes available.
- SCREEN:** (when indicated, in a removable frame)
 - BIRD SCREEN - 1/2" flattened aluminum, .051" thick
 - 1/2" sq. mesh intermediate double-crimped aluminum wire, .063" dia.
 - 18/16 mesh, .011" dia. aluminum wire insect screen

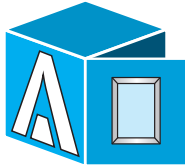
FIRE RATINGS

- SRDL is not fire rated.**
- MINIMUM PANEL SIZE: 8" x 8"
- MAXIMUM SINGLE PANEL SIZE: 60" x 96"

PERFORMANCE DATA

- See Technical Data Page 10

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat

Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

SRDL

STORM PROOF

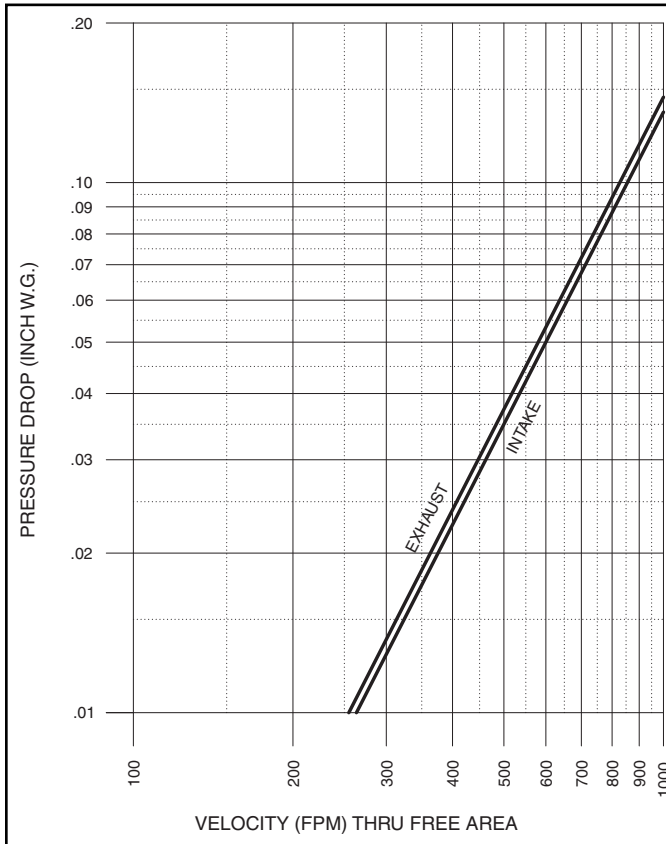
EXTRUDED ALUMINUM
LOUVER

NOT FIRE RATED

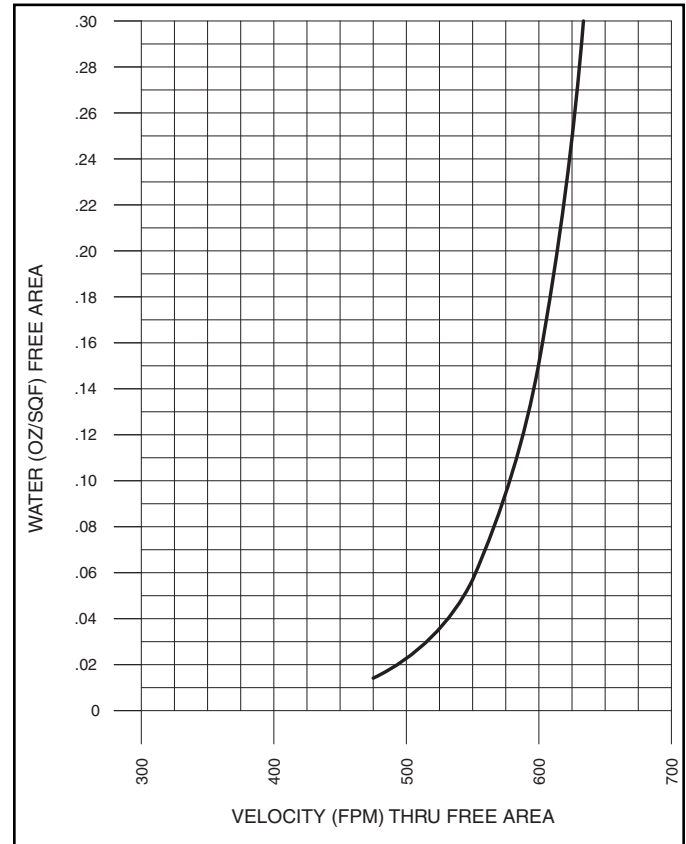
PERFORMANCE DATA

Tests of a 48" x 48" sample by an *AMCA registered laboratory according to AMCA Standard 500 shows less than .02 oz. per sq. ft. water penetration at 495 fpm (free area velocity) with less than .034" w.g. pressure drop (intake). Ratings do not include the effect of bird-screen.

PRESSURE DROP (Test Unit Size: 48" x 48")



WATER PENETRATION (Test Unit Size: 48" x 48")

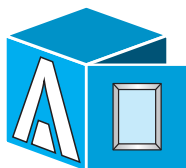


FREE AREA

	WIDTH (INCH)								
	12	18	24	30	36	42	48	54	60
12	0.33	0.52	0.71	0.90	1.09	1.28	1.47	1.66	1.85
24	0.78	1.22	1.66	2.11	2.55	2.99	3.44	3.88	4.32
36	1.22	1.92	2.61	3.31	4.01	4.70	5.40	6.10	6.80
48	1.66	2.61	3.56	4.52	5.47	6.42	7.37	8.32	9.27
60	2.11	3.31	4.52	5.72	6.92	8.13	9.33	10.54	11.74
72	2.55	4.01	5.47	6.93	8.38	9.84	11.30	12.76	14.22
84	3.00	4.71	6.52	8.13	9.84	11.55	13.27	14.98	16.69
96	3.44	5.40	7.37	9.34	11.30	13.27	15.23	17.20	19.16

* AMCA registered laboratory is a laboratory equipped and staffed to conduct tests according to the appropriate AMCA test method and which has been licensed as a AMCA registered laboratory.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

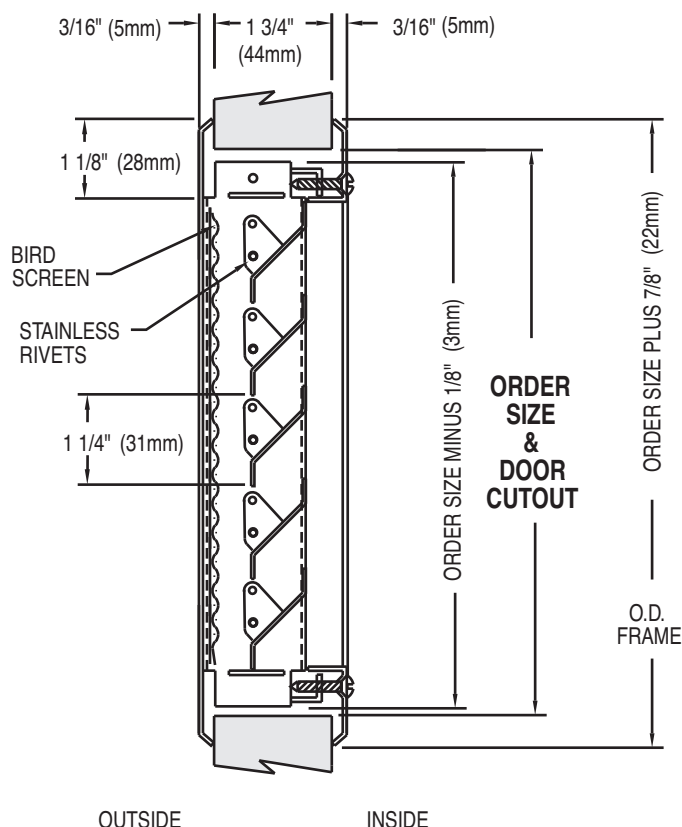
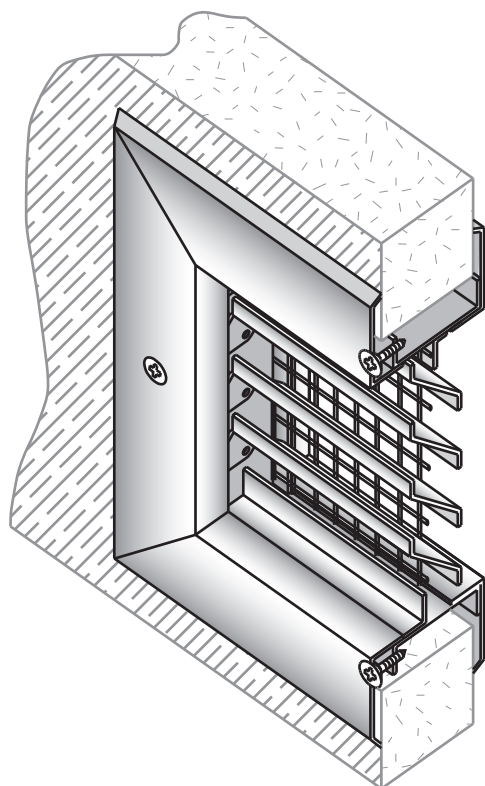
e-mail: door@anemostat.com • website: www.anemostat.com

FPL-1

FIXED POSITION
SELF ATTACHING
"Z" BLADE LOUVER

NOT RATED
FOR FIRE OR WIND RESISTANCE

DETAIL DRAWING



All Dimensions $\pm 1/32$

STANDARD PRODUCT FEATURES

- **MATERIAL:** 18 GA. Galvanized Steel, Frame and Louver Blades.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** Self attaching using #8 x 1" phillips head screws that fasten the auxiliary frame to the louver core thru the cutout in the door. The corridor side of the frame is free of fasteners for added security.
- **DOOR THICKNESS:** For 1 3/4" Door.
(available for 1 3/8" Doors).
- **SCREEN:** 1/2" mesh bird screen included.
- **AESTHETICS:** Tight mitered corners and countersunk mounting holes make for a clean appearance.
- **FREE AIR FLOW:** 53.5% Free Area.
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

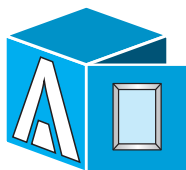
OPTIONAL FEATURES

- **MATERIAL:** #304 Stainless Steel, #4 Finish (Satin), Galvanized (Zinc Plated).
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied by customer).
- **FASTENERS:** Special Security Screw Fasteners, See Page 14, this section.
- **SPECIALS:** Fractional sizes not available.
18-14 mesh insert screens, loose or attached. (Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel)

SPECIAL RATINGS

- FPL-1 is not rated for fire or wind resistance.
- FPL-1 is not approved by Florida Power and Light.
- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

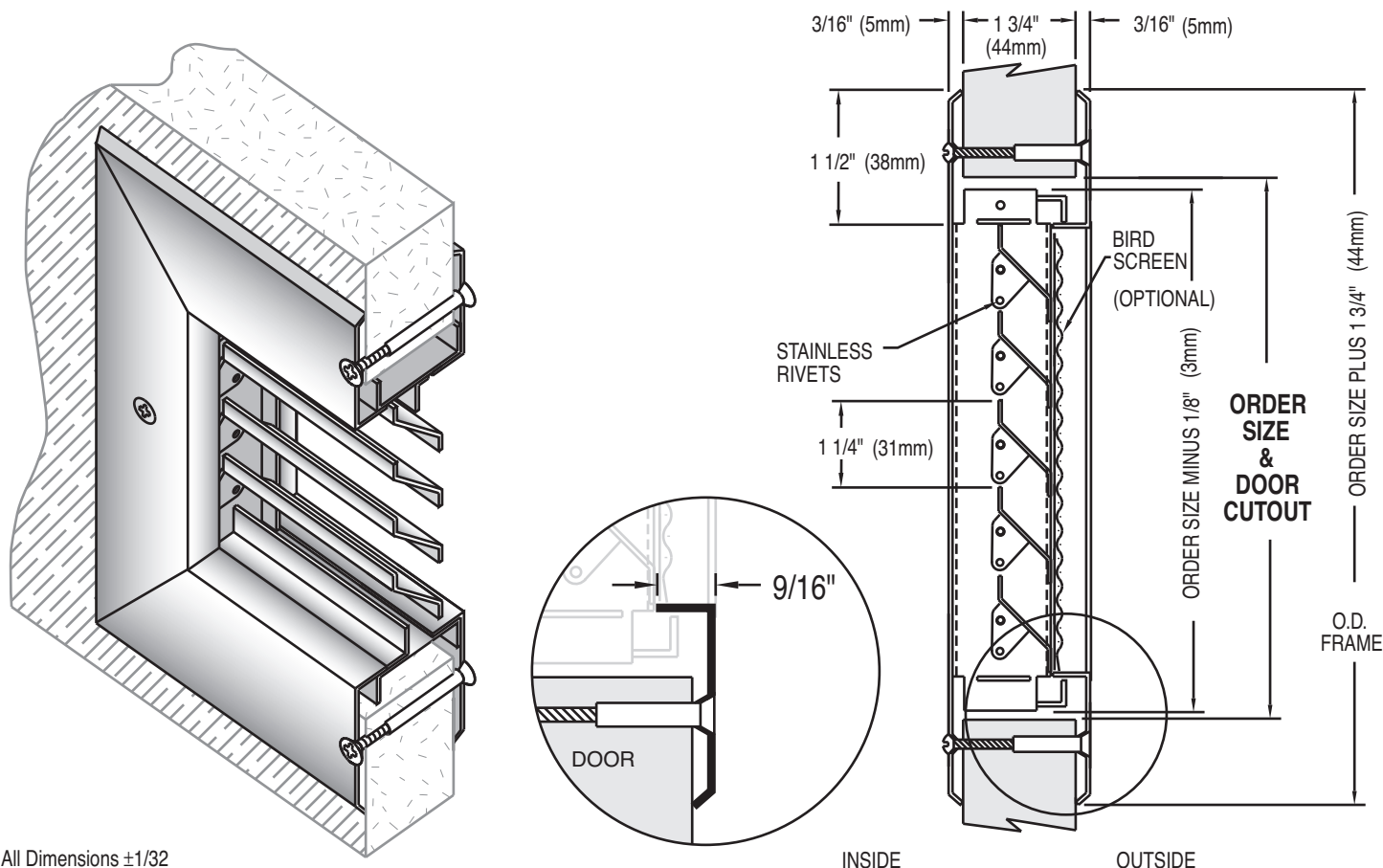
e-mail: door@anemostat.com • website: www.anemostat.com

FPL-2

FIXED POSITION
THRU BOLTED
"Z" BLADE LOUVER

NOT FIRE RATED

DETAIL DRAWING



All Dimensions $\pm 1/32$

STANDARD PRODUCT FEATURES

- **MATERIAL:** 18 GA. Galvanized Steel, Frame and Louver Blades.
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** By drilling 1/4" holes thru the door, around the perimeter of the cutout. The frame has countersunk mounting holes for #8-32 phillips head steel thru bolts with a blank head on one side for a flush appearance.
- **DOOR THICKNESS:** For 1 3/4" Door.
(available for 1 3/8" Doors).
- **AESTHETICS:** Tight mitered corners and countersunk mounting holes make for a clean appearance.
- **FREE AIR FLOW:** 53.5% Free Area.
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

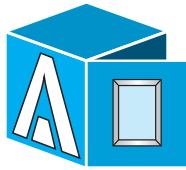
OPTIONAL FEATURES

- **MATERIAL:** #304 Stainless Steel, #4 Finish (Satin), Galvanized (Zinc Plated).
- **FINISH:** Custom Baked Enamel Colors (as per sample chip supplied by customer).
- **FASTENERS:** Special Security Screw Fasteners, See Page 14, this section.
- **SPECIALS:** Fractional sizes not available.
18-14 mesh insert screens, loose or attached. (Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel)
- **SCREEN:** 1/2" mesh bird screen is optional.

SPECIAL RATINGS

- FPL-2 is not fire rated.
- FPL-2 is not approved by Florida Power and Light.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

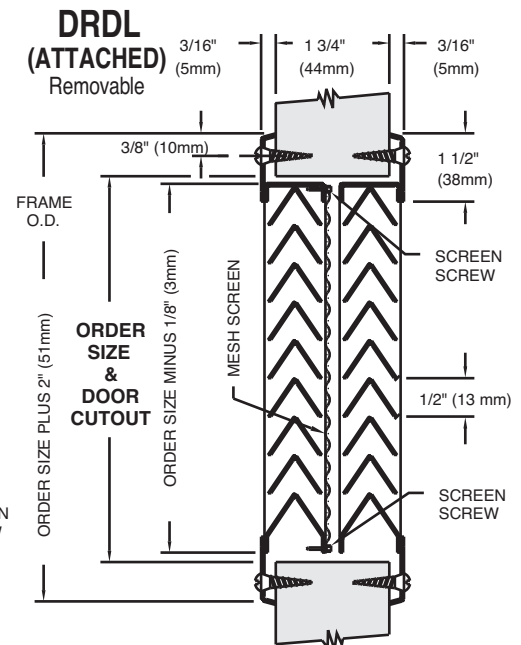
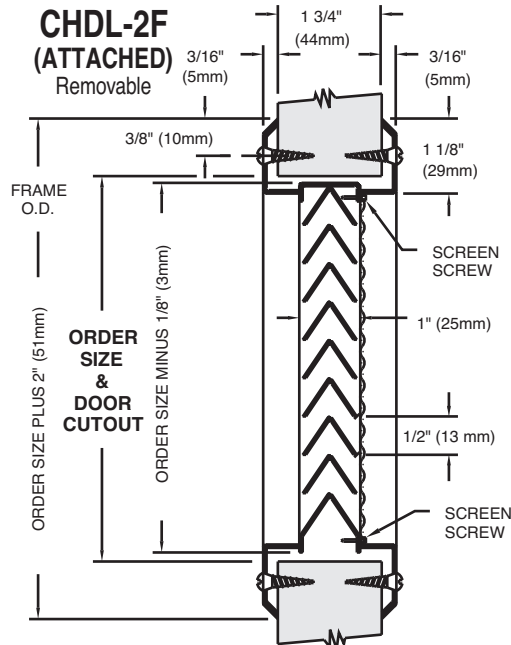
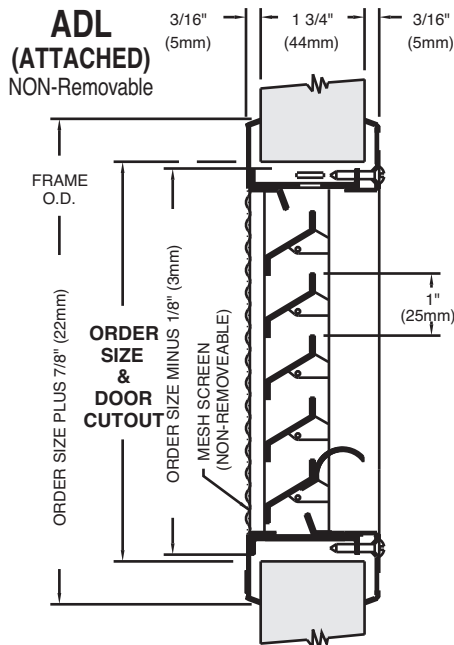
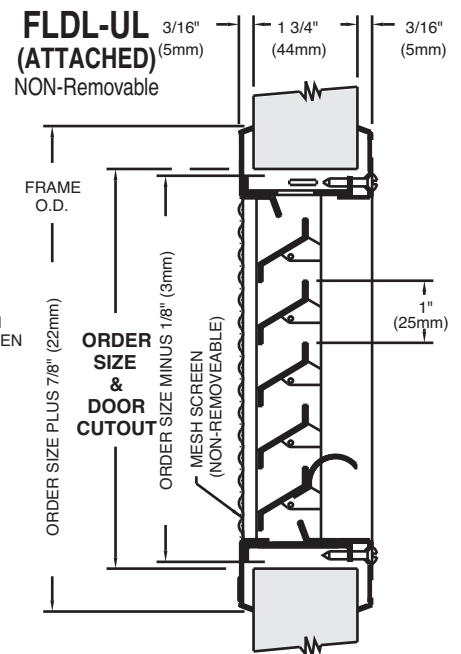
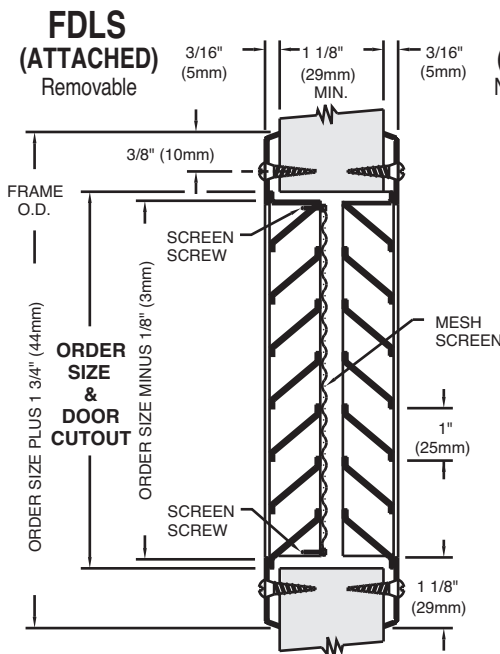
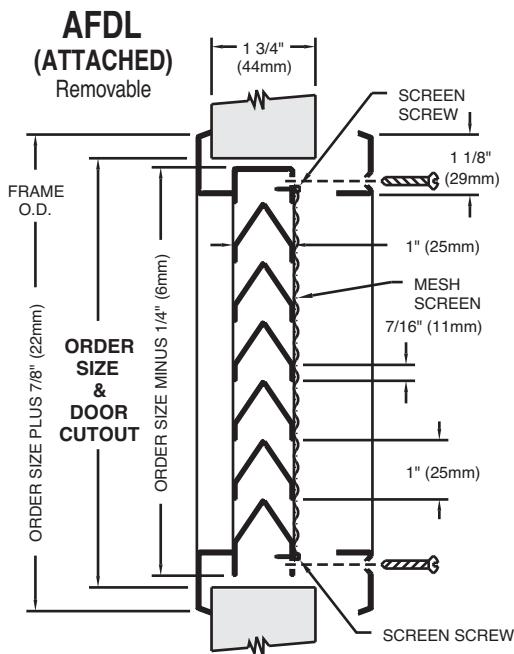
PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

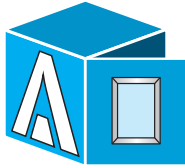
SCREENS

(ATTACHED WITHOUT FRAME)
FOR
DOOR LOUVERS

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

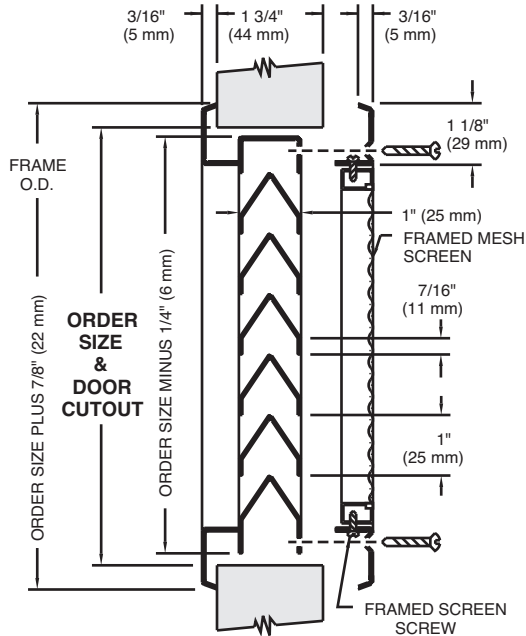
FRAMED SCREENS

FOR
DOOR LOUVERS

DETAIL DRAWING

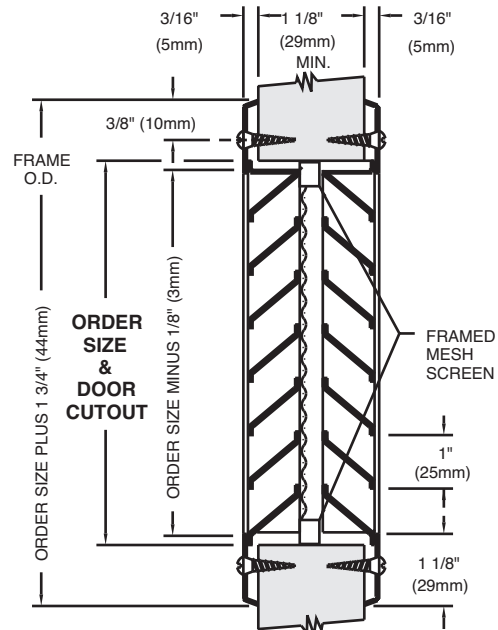
AFDL (FRAMED ATTACHED)

Removable



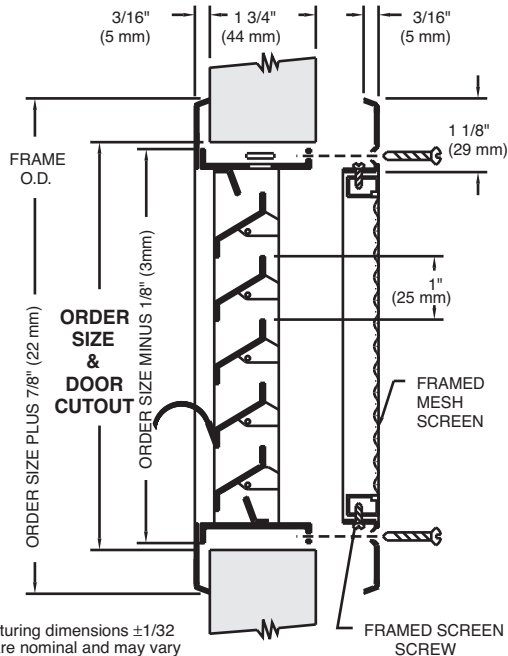
FDLS (FRAMED SCREEN)

Removable
(Shipped Loose)



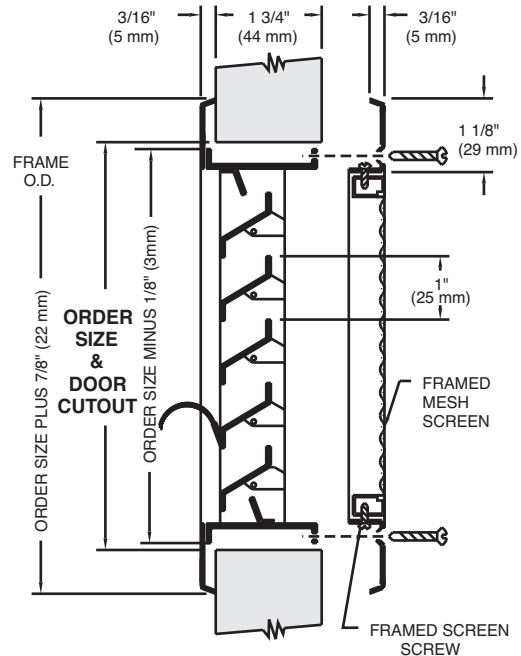
FLDL-UL (FRAMED ATTACHED)

Removable

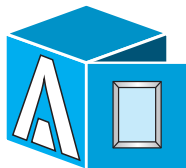


ADL (FRAMED ATTACHED)

Removable



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



TECHNICAL DATA

FROM

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FASTENERS

FOR
DOOR LOUVERS

DETAIL DRAWING

STANDARD



#8X1 PHILLIPS SCREW

USED FOR: AFDL, FLDL-UL, ADL



#8X3/4 SHEET METAL SCREW

USED FOR: FDLS, CHDL, DRDL



#8X1/2 TEK SCREW

USED FOR: Screen attachments on
AFDL, CHDL, DRDL, FDLS, FLDL-UL, ADL

OPTIONAL SCREW (Same upcharge as security screws)



#8X1 SQUARE DRIVE (ROBERTSON HEAD)

SHEET METAL SCREW.

USED FOR: AFDL, FLDL-UL, ADL

OPTIONAL SECURITY FASTENERS*

(Consult Factory for Stainless Steel Availability)



ONE WAY VANDAL PROOF

FDLS — #8X3/4"

AFDL — #8X1"



PINNED FLAT HEAD

FDLS — #8X3/4"

AFDL — #8X1"



SNAKE EYE SPANNER

FDLS (Stainless Only) — #8X3/4"

AFDL (Stainless Only) — #8X1"



TORX FLAT HEAD

FDLS — #8X3/4"

AFDL — #8X1"



NOTCHED SPANNER

FDLS — #8X3/4"

AFDL — #8X1"



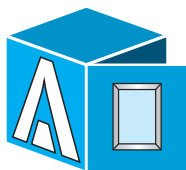
TORX-PLUS FLAT HEAD

FDLS — #8X3/4"

AFDL — #8X1"

*Screw drivers and insert bits for Security Fasteners are available.
Consult Factory for Price and Availability.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat

Door Products

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SIZING WALL & DOOR LOUVERS

DETAIL DRAWING

Louvers allow the transfer of air across a boundary such as a wall or door. There are three variables that relate air transfer: pressure difference, opening size, and flow rate (see fig. 1):

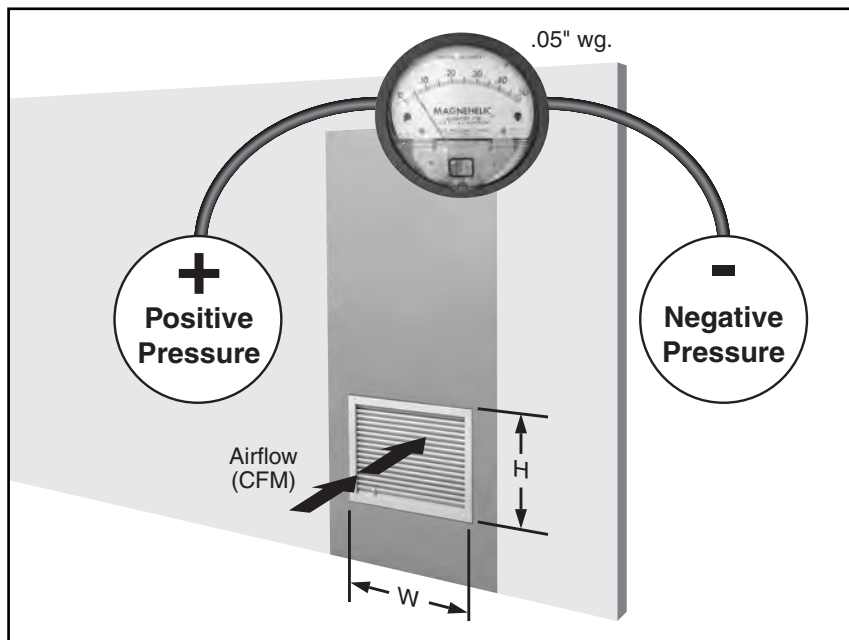


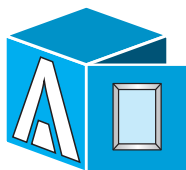
Figure 1. Louver Airflow

1. **Pressure difference (ΔP)** – air moves through a wall/door opening due to the *differential* pressure, or difference in pressure on opposing sides of the boundary. The air pressure differences are small in comparison to, say, the air pressure in the tire of a car. For example, you might maintain 30 psi (lbs/square inch) of pressure in your car tires, yet a pressure differential of .03 psi on opposite sides of a door would be considered extremely high. When considering air flow and air pressure in buildings and HVAC systems, a smaller means of measuring pressure is appropriate, and often, inches of water (inches w.g.) is used (similar to inches of mercury, inches Hg, used for barometric pressure measurements). For comparative purposes, 1 inch of water = .0375 psi.

Pressure differences in building spaces must occur for air to move. Designers consider space pressurization and pressure relationships of one space to another. In restaurants, for example, the dining room is positively pressurized as compared to the kitchen, or in other words, the kitchen is negatively pressurized as compared to the dining room. That means that air will flow from the dining room INTO the kitchen to keep smoke, odors, and cooking effluent contained in the kitchen, and from escaping into the dining room.

The pressure difference dictates how fast the air moves through the opening in the boundary. The larger the pressure difference, the faster the air moves through the opening (faster means speed or velocity, usually measured in feet per minute, fpm).

Note that a high pressure difference across a door will result in a high force on the door. Depending on the direction that the door swings, it may be difficult to open or close the door due to the force on the door caused by the pressure differential.



TECHNICAL DATA

FROM

Anemostat

Door Products

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SIZING WALL & DOOR LOUVERS

DETAIL DRAWING

2. **Opening size (area)** – the size of the opening in the boundary (wall/door) also determines “how much” air will flow across the boundary. For example, if the pressure differential across the boundary is .05” w.g., and the opening size is doubled, then the amount of airflow through the opening will also double. Because a louver occupies the hole in the boundary and louvers vary in design and construction, the louver must be tested in a laboratory with actual airflow at controlled conditions to determine the relationship between size, airflow, and pressure. % free area has long been used as a convenient means to select louver size, but unfortunately, is NOT an indicator of louver performance (pressure drop and sound created). Louvers with identical free areas can have significantly different pressure differentials (see Fig. 2), so testing must be performed to accurately report performance.

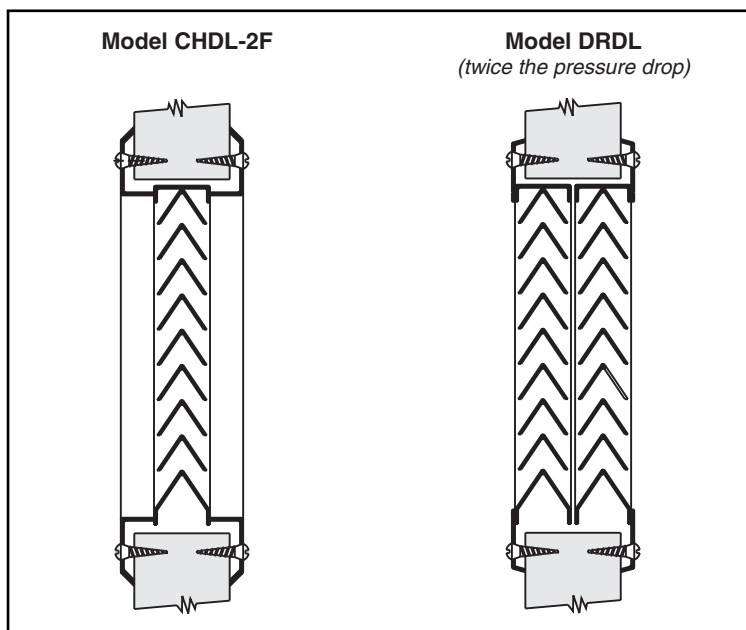


Figure 2. Equal Free Area

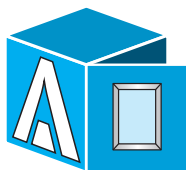
3. **Flow rate (CFM)** – this is the value that will usually be given in specifications as the volume of air (cubic feet, ft³) per unit time (minute) or CFM (cubic feet per minute) of air through the opening or louver. This is calculated as:

$$\text{CFM (cubic feet / minute)} = \text{Air Velocity (feet/minute)} \times \text{Area (square feet)}$$

Summary

Three variables determine the sizing of a wall or door louver, and 2 of the 3 variables must be known to determine the 3rd variable:

1. Airflow rate, CFM. This is usually specified.
2. Maximum pressure differential (ΔP), inches w.g. This is usually specified as a “not to exceed” value.
A low pressure drop is typically preferred over a higher pressure drop.
3. Louver size, Width x Height (opening).



TECHNICAL DATA

FROM

Anemostat

Door Products

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SIZING WALL & DOOR LOUVERS

DETAIL DRAWING

Anemostat Pressure Drop Calculator

All Anemostat louvers have been performance tested in our Research & Development Center, and data can be determined using our Pressure Drop Calculator (see Fig. 3). The Pressure Drop Calculator is available online at www.anemostat.com/DoorProducts, click on the Information / Videos Tab, click on Louver Pressure Drop Calculator under Information Calculators.

Anemostat

Air Flow Rate: Cfm

Order Size Width: inches

Order Size Height: inches

Louver Model	Pressure, inches wg
AFDL	0.12
ADL	0.13
CHDL	0.06
DRDL	0.12
FDLS	0.14
FDL	0.13
PLSL	0.22
FPL-1, 2	0.07
SRDL	0.05

Units: ☒ I-P ☐ S-I

Fig. 3 – Louver Pressure Drop Calculator

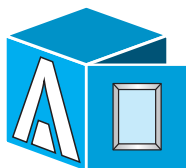
Units may be selected for I-P (inch-pounds) or S-I (Systems International) measurements. The pressure differential is calculated for the airflow and sizes entered. When asked “what size louver should I use?”, then more information must be obtained and the 2 other variables (CFM and pressure differential) must be considered to provide a correctly sized louver. Without this information, then some assumptions must be made which may not be appropriate for the installation. For door louvers, the air pressure differential will equate to a load on the door (lbs) and can be calculated as:

$$\text{Force on Door (lbs.)} = \text{Door size, ft}^2 \times \text{Differential Pressure}(\Delta P) \times 5.41\text{lb/ft}^2$$

As an example, consider a 36” x 80” hinged door with a .05” pressure differential. Using the formula above, the door will have 5.4 lbs of force acting on it. The amount of force needed to open the door (assuming we are opening the door AGAINST the high pressure side) will be about half this force or 2.7 lbs.

Sizing Louvers for Mechanical Equipment

The airflow rate (CFM) through the louver is more difficult to determine without information about the building design and requirement for transfer of air from space to space. Fans or boilers in mechanical rooms have specific airflow and pressure requirements that allow appropriate wall or door louver sizing. Many codes are written based on “Square Inches of Free Area or opening” per BTU/hr for fuel combustion processes. Again, this does not guarantee the required airflow rate will be met. Typically, a maximum pressure drop of .05” wg. may be used for combustion air requirements, but should be confirmed by the design engineer.



TECHNICAL DATA

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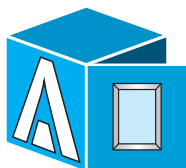
INDEX

FOR

SECURITY DOOR LOUVERS

DETAIL DRAWING

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>DATE PRINTED</u>	<u>PAGE</u>
PLSL.....	Maximum Security and Impact.....	March 2012.....	1
FLDL-UL-SG1.....	Fire Rated Fusible Link with Security Grille One Side.....	March 2012.....	2
FLDL-UL-SG2.....	Fire Rated Fusible Link with Security Grilles Two Sides.....	March 2012.....	3
DSFP.....	Security Grille Face Plate.....	July 2011.....	4
DSFP-Perf.....	Perforated Security Grille Face Plate.....	July 2011.....	5
Fasteners for Security Products.....		July 2011.....	6



TECHNICAL DATA

FROM

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e-mail: door@anemostat.com • website: www.anemostat.com

PLSL

LOUVER WITH SECURITY GRILLE
NON-VISION
INVERTED SPLIT Y

HURRICANE RATINGS



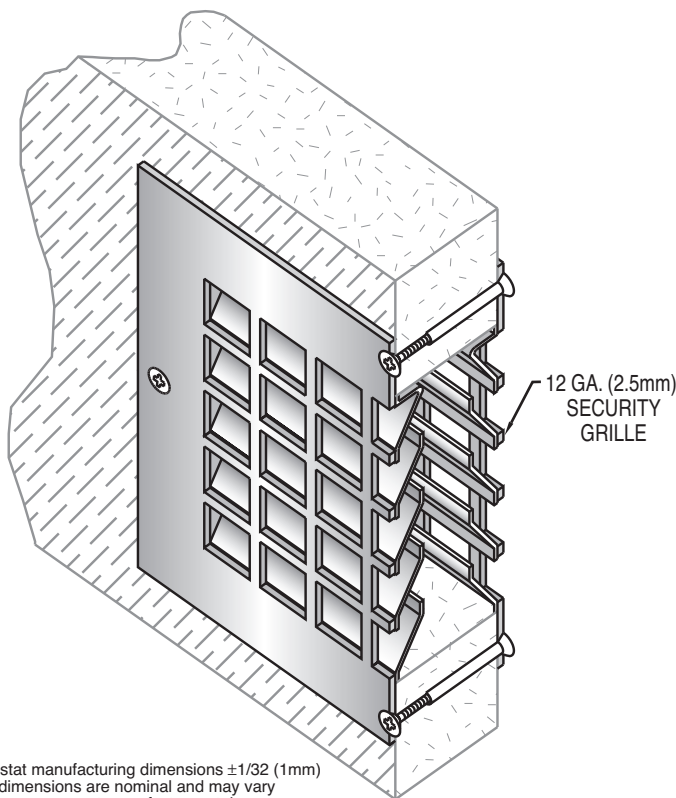
UNDERWRITERS'
LABORATORIES
FILE #R26087



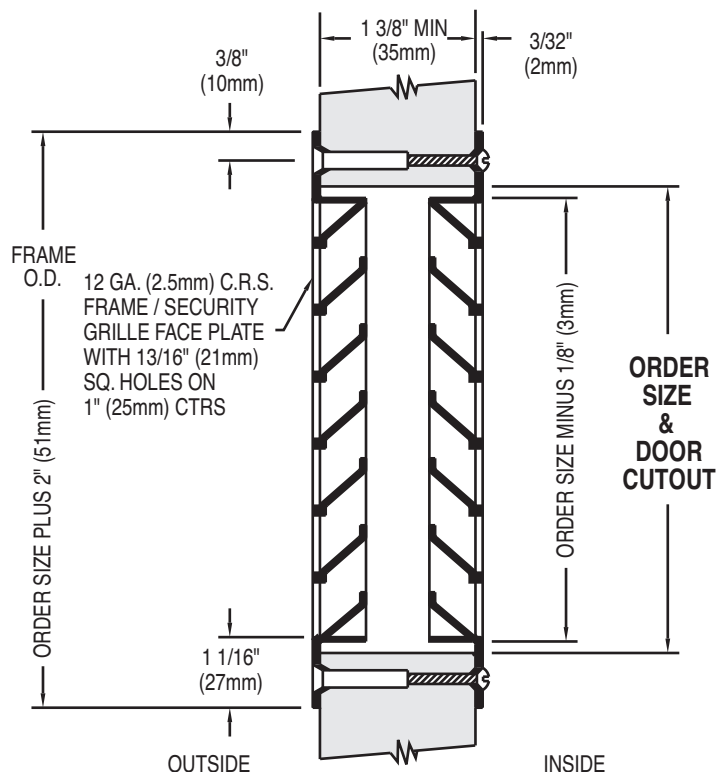
Florida Building Code
Hurricane Approval
FILE #FL11757

NOT FIRE RATED

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$ (1mm)
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 12 GA. (2.5mm) Cold Rolled Steel Security Grille Frame with 13/16 (21mm) square holes on 1" (25mm) centers.
20 ga. (1mm) Cold Rolled Steel - Louver Blades.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** By drilling 1/4" (6mm) holes thru the door, around the perimeter of the door cutout. Frame has countersunk mounting holes for #8x32 phillips head thru bolts (standard) or one way vandal proof security screws (must specify) with a blank head on one side for flush appearance.
- DOOR THICKNESS:** For 1 3/4" (44mm) Wood or Metal Doors.
Can be used in door thicknesses over 1-3/8" (35mm).
- USES:** For use where air flow is required in a security or Vandal resistant application.
- FREE AIR FLOW:** 50% Free Area.
- IMPORTANT:** Interpretation of building and fire codes may vary.
Consult with the local authority having jurisdiction in your area, to determine appropriate standards.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish(Satin), Galvanized (Hot Dipped or Zinc Plated). Not Available in Galvanized Coil.
- FINISH:** Custom Baked Enamel Colors (as per sample chip, supplied by customer).
- FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- SPECIALS:** Fractional sizes (frame dimension is increased to accommodate odd sizes).
Mesh insect screens are loose, attached or framed.
(Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel.)
For detail drawings see page 12 & 13, Louver section. Refer to model FDLS.

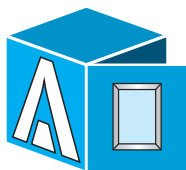
FIRE RATINGS

- PLSL is not fire rated.**

HURRICANE TEST / WINDSTORM APPROVALS (W/ U.L. MARKING)

- Successfully tested in accordance with ASTM E1886, E1996 and E330 and ANSI 250.13-Impact 350 FT LBS. Design Pressure: +/- 70 PSF (large missile test).
- Complies with Florida Building Code Standards
- Maximum size for hurricane use is 36" x 72" (914mm x 1829mm)

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FLDL-UL-SG1

FUSIBLE LINK LOUVER WITH
SECURITY GRILLE ONE SIDE

FIRE RATINGS



UNDERWRITERS'
LABORATORIES

B.S.-476.22
British Standard

HURRICANE RATINGS

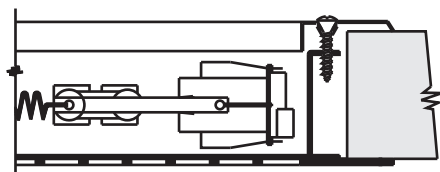


UNDERWRITERS'
LABORATORIES
FILE #R26087

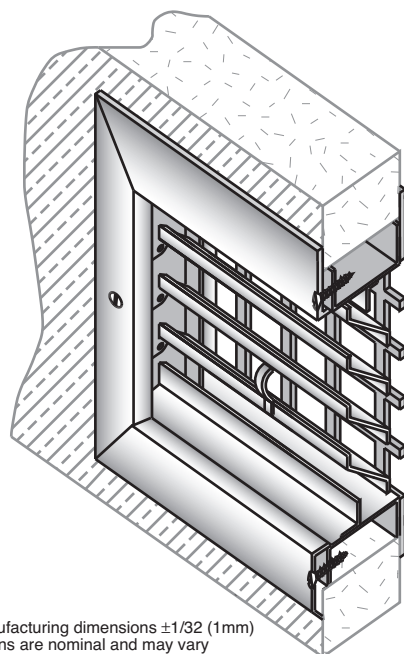


Florida
Building Code
Hurricane
Approval
FILE #FL11757

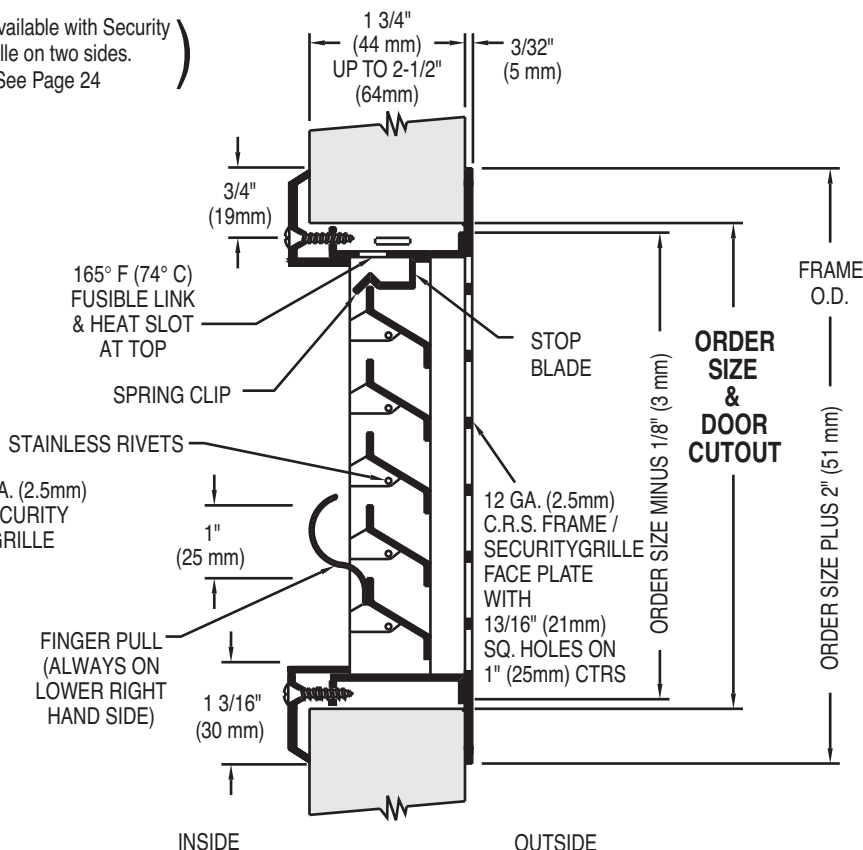
DETAIL DRAWING



(Also Available with Security
Grille on two sides.
See Page 24)



Anemostat manufacturing dimensions $\pm 1/32$ (1mm)
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.2mm) Cold Rolled Steel Louver Blades and Inside Frame. 12 GA. (2.5mm) Cold Rolled Steel Security Grille Frame (one side only) Face Plate with 13/16 (21mm) square holes on 1" (25mm) centers.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** Self attaching using #8 x 1" (25mm) one way vandal proof security screws that fasten the auxiliary frame to the louver core, thru the cut out in the door. The corridor side of the frame is free of fasteners for added security.
- DOOR THICKNESS:** 1 3/4" (44mm) Door is Standard. Also available for up to 2-1/2" (64mm) Door. (to maintain fire rating).
- CLOSING ASSEMBLY:** Stainless steel operating springs assure proper action with the closing mechanism.
- AESTHETICS:** Tight mitered corners and countersunk mounting holes make for a clean appearance.
- USES:** In fire rated security door applications.
- FREE AIR FLOW:** 40% Free Area.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Zinc Plated). Not available in Galvanized Coil or Hot Dipped.
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied by customer).
- FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- SPECIALS:** Fractional sizes not available.
- SCREENS:** Mesh insect screens are loose, attached or framed. (Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel.) See Louvers page 12 & 13.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

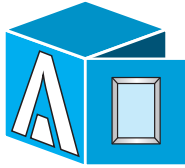
- 20/45/60/90 MINUTE:** Approved listing - max width 24" (610mm), max height 24" (610mm) min width 10" (254mm), min height 6" (152mm)

BS 476.22 Steel Doors - 2 hours. Tested to 610mm x 610mm
British Standard

HURRICANE TEST / WINDSTORM APPROVALS (W/ U.L. MARKING)

- Successfully tested in accordance with ASTM E1886, E1996 and E330 and ANSI 250.13-Impact 350 FT LBS. Design Pressure: +/- 70 PSF (large missile test).
- Complies with Florida Building Code Standards
- Maximum size for hurricane use is 24" x 24" (610mm x 610mm)

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FLDL-UL-SG2

FUSIBLE LINK LOUVER WITH
SECURITY GRILLE TWO SIDES

FIRE RATINGS



UNDERWRITERS'
LABORATORIES

B.S.-476.22
British Standard

HURRICANE RATINGS

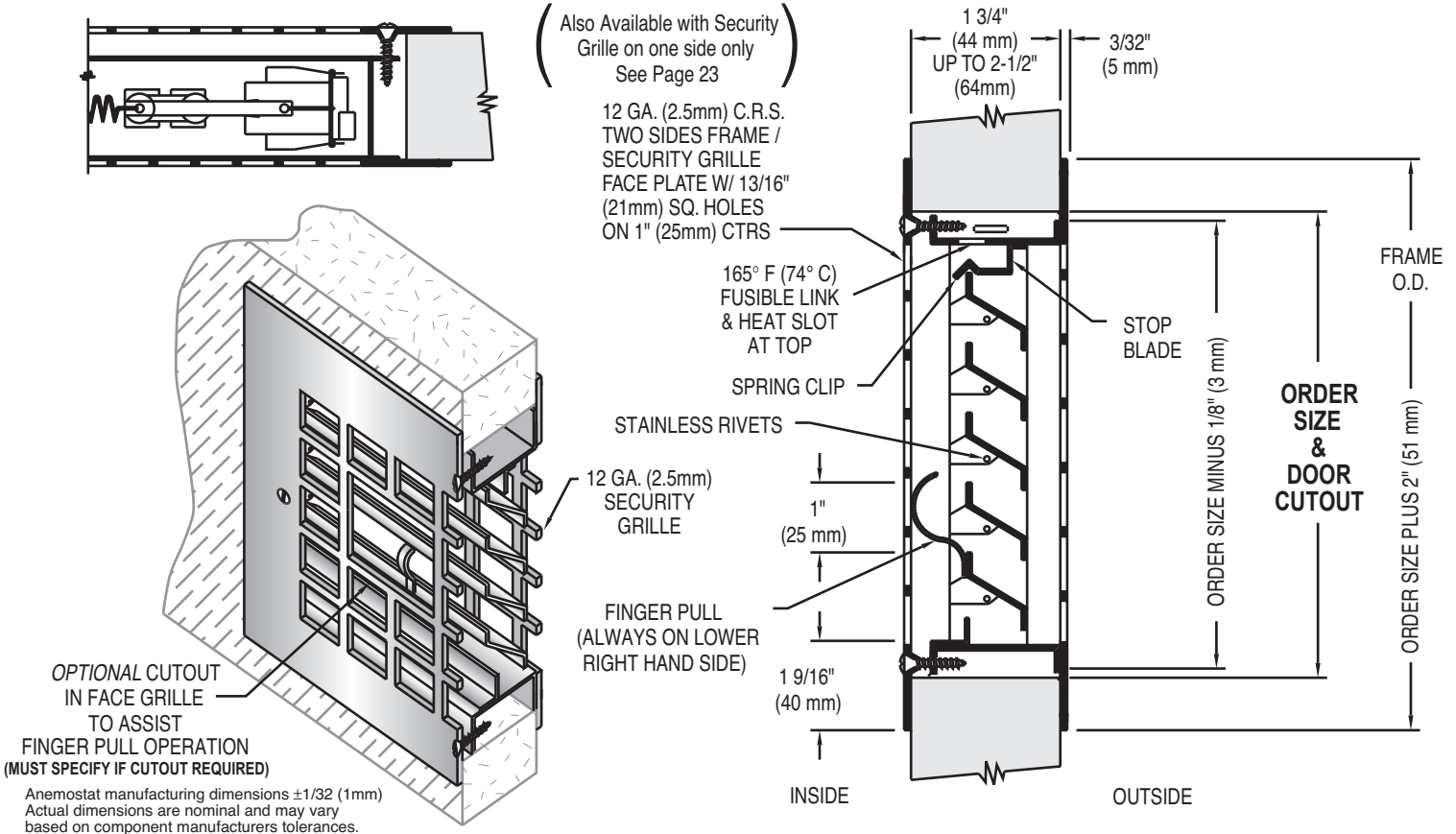


UNDERWRITERS'
LABORATORIES
FILE #R26087



Florida
Building Code
Hurricane
Approval
FILE #FL11757

DETAIL DRAWING



STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.2mm) Cold Rolled Steel Louver Blades and Inside Frame. 12 GA. (2.5mm) Cold Rolled Steel Security Grille Frame (two sides) Face Plate with 13/16 (21mm) square holes on 1\" (25mm) centers.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** Self attaching using #8 x 1\" (25mm) one way vandal proof security screws that fasten the auxiliary frame to the louver core, thru the cut out in the door. The corridor side of the frame is free of fasteners for added security.
- DOOR THICKNESS:** 1 3/4\" (44mm) Door is Standard. Also available up to for 2-1/2\" (64mm) Door. (to maintain fire rating).
- CLOSING ASSEMBLY:** Stainless steel operating springs assure proper action with the closing mechanism.
- AESTHETICS:** Tight mitered corners and countersunk mounting holes make for a clean appearance.
- USES:** In fire rated security door applications.
- FREE AIR FLOW:** 40% Free Area.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Zinc Plated). *Not available in Galvanized Coil or Hot Dipped.*
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied by customer).
- FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- SPECIALS:** Fractional sizes not available.
- SCREENS:** Mesh insect screens are loose, attached or framed. (Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel.) See Louvers page 12 & 13.

FIRE RATINGS (w/ U.L. & W.H.I. classification markings) Positive Pressure

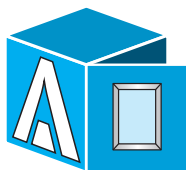
- 20/45/60/90 MINUTE:** Approved listing - max width 24\" (610mm), max height 24\" (610mm) min width 10\" (254mm), min height 6\" (152mm)

BS 476.22 Steel Doors - 2 hours. Tested to 610mm x 610mm
British Standard

HURRICANE TEST / WINDSTORM APPROVALS (w/ U.L. MARKING)

- Successfully tested in accordance with ASTM E1886, E1996 and E330 and ANSI 250.13-Impact 350 FT LBS. Design Pressure: +/- 70 PSF (large missile test).
- Complies with Florida Building Code Standards
- Maximum size for hurricane use is 24\" x 24\" (610mm x 610mm)

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

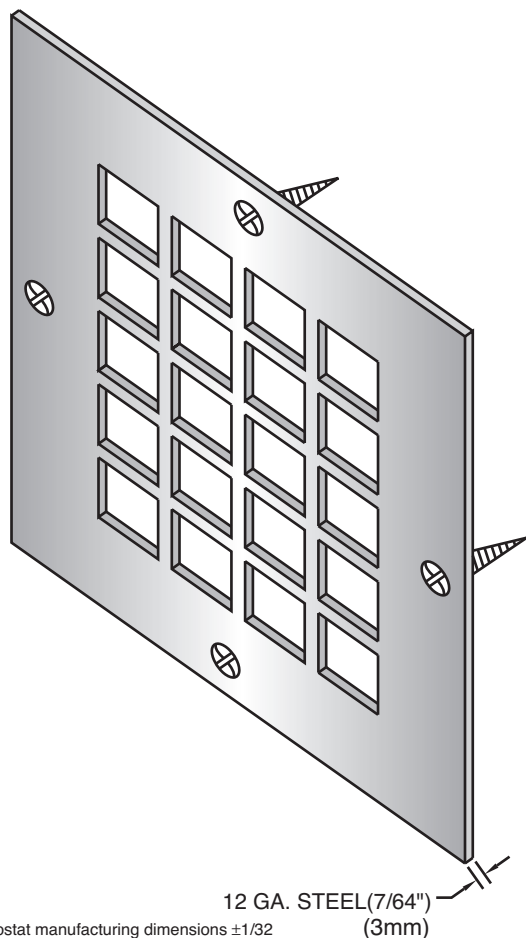
e-mail: door@anemostat.com • website: www.anemostat.com

DSFP

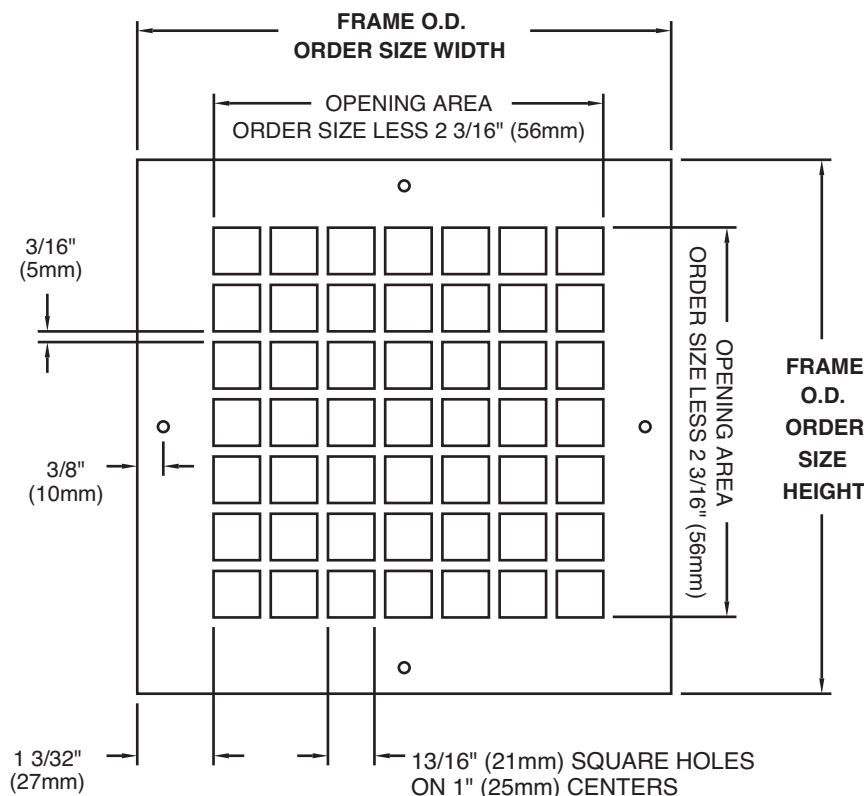
SECURITY GRILLE
FACE PLATE

NOT FIRE RATED

DETAIL DRAWING



Anemostat manufacturing dimensions $\pm 1/32$
Actual dimensions are nominal and may vary
based on component manufacturers tolerances.



#8X1" ONE WAY VANDAL PROOF SECURITY SCREWS
(HOLE LOCATION AND QUANTITY WILL VARY BY SIZE)

STANDARD PRODUCT FEATURES

- **MATERIAL:** 12 GA. Cold Rolled Steel Lattice Face Plate Security Grille (with 13/16" square holes on 1" centers.)
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** Frame has countersunk mounting holes for #8X1" one way vandal proof security screws, that can be screwed directly thru the face plate into wall or door.
- **DOOR OR WALL THICKNESS:** Will work on any thickness based on ability to accept a screw or fastener.
- **FREE AIR FLOW:** 66% Free Area.
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.

OPTIONAL FEATURES

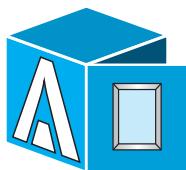
- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Hot Dipped or Zinc Plated). 10 gauge or 7 gauge.
- **FINISH:** Custom Baked Enamel Colors (as per sample chip, supplied by customer).
- **FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- **SPECIALS:** Fractional sizes, and other face plate patterns.

FIRE RATINGS

- **DSFP is not fire rated.**

- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by



TECHNICAL DATA

FROM

Anemostat Door Products

4958 Stout Dr. #119, San Antonio, TX 78219

PH: 210.662.6300 • FAX: 210.662.2828

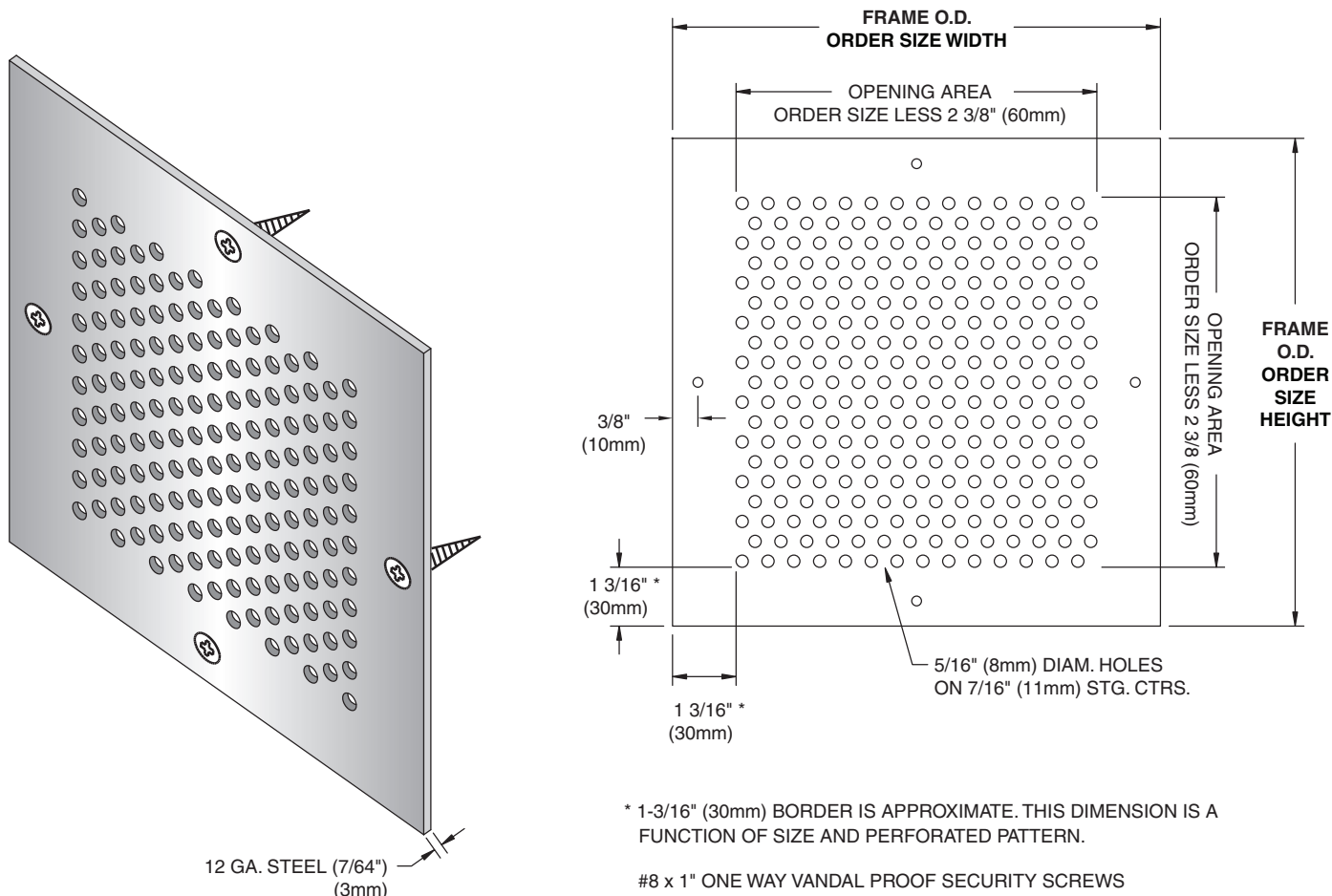
e-mail: door@anemostat.com • website: www.anemostat.com

DSFP-Perf

PERFORATED
SECURITY GRILLE
FACE PLATE

NOT FIRE RATED

DETAIL DRAWING



* 1-3/16" (30mm) BORDER IS APPROXIMATE. THIS DIMENSION IS A FUNCTION OF SIZE AND PERFORATED PATTERN.

#8 x 1" ONE WAY VANDAL PROOF SECURITY SCREWS
(HOLE LOCATION AND QUANTITY WILL VARY BY UNIT SIZE)

All Dimensions $\pm 1/32$

STANDARD PRODUCT FEATURES

- **MATERIAL:** 12 GA. Cold Rolled Steel Perf. Face Plate Security Grille (with 5/16" diam. holes on 7/16" stag. ctrs.)
- **FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- **INSTALLATION:** Frame has countersunk mounting holes for #8 x 1" One Way Vandal Proof Screws that can be screwed directly thru the face plate into the wall or door.
- **FREE AIR FLOW:** 46% Free Area.
- **NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

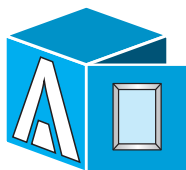
OPTIONAL FEATURES

- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Hot Dipped or Zinc Plated). 10 gauge or 7 gauge.
- **FINISH:** Special order Baked Enamel Colors (as per sample chip, supplied by customer).
- **FASTENERS:** Special Security Screw Fasteners Available.
- **SPECIALS:** Fractional sizes, and other face plate patterns. Consult Factory. Can be fabricated without screw holes.

FIRE RATINGS

- **DSFP-Perf is not fire rated.**

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TECHNICAL DATA

FROM

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PH: 210.662.6300 • FAX: 210.662.2828

e-mail: door@anemostat.com • website: www.anemostat.com

FASTENERS

FOR
SECURITY VISION FRAMES
AND
SECURITY DOOR LOUVERS

DETAIL DRAWING

STANDARD



ONE WAY VANDAL
PROOF SECURITY SCREW

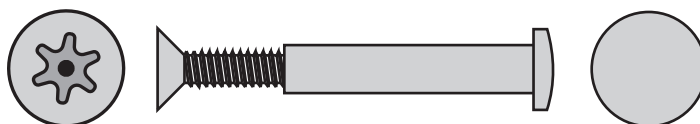
#8X1" USED FOR: DSFP, FLDL-UL-SG1, FLDL-UL-SG2

#8X3/4" USED FOR: SG-10-SSD, SSD

#8X1-3/4" USED FOR: LoPro-SC, LoPro-GR, LoPro-SC-GR, LoPro-SSD



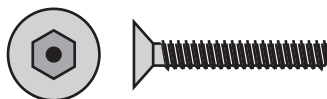
#8X32 THRU BOLT, BLANK ONE END
USED FOR ALL MODELS: SG-10, SG-12,
SL-IS, FGS, PLSL AND BR-7



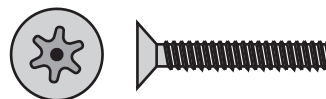
1/4"X20 THRU BOLT BLANK ONE END-MEETS ASTM F-1450-97
(MUST SPECIFY): SG-10, BR-7, SG-12-SP, SG-10-SP, SG-12-LSC

OPTIONAL SECURITY FASTENERS*

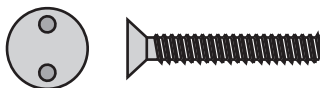
(Available on all Security Products)



PINNED FLAT HEAD CAP SCREW
(TAMPER RESISTANT HEX SOCKET)



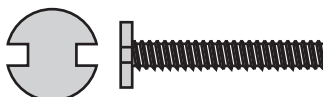
TORX FLAT HEAD SOCKET
SECURITY SCREW



SNAKE EYE SPANNER
FLAT HEAD SECURITY SCREW
(DRILLED SPANNER)



TORX-PLUS FLAT HEAD
SECURITY SCREW
(ONLY AVAILABLE ON
CERTAIN APPLICATIONS)



NOTCHED SPANNER
HEAD SCREW

*Screwdrivers and insert bits for Security Fasteners are available.
Consult Factory for Price and Availability.

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