

# 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](mailto:door@anemostat.com) • website: [www.anemostat.com](http://www.anemostat.com)

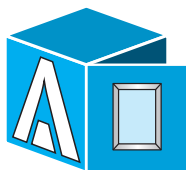
# INDEX

FOR

## SECURITY DOOR LOUVERS

### DETAIL DRAWING

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## PLSL

LOUVER WITH SECURITY GRILLE  
NON-VISION  
INVERTED SPLIT Y

HURRICANE RATINGS



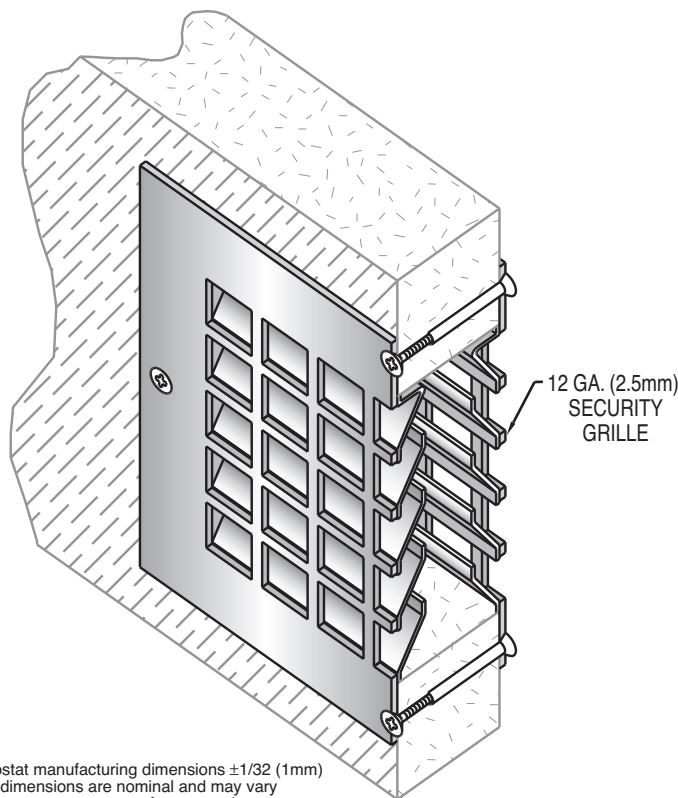
UNDERWRITERS'  
LABORATORIES  
FILE #R26087



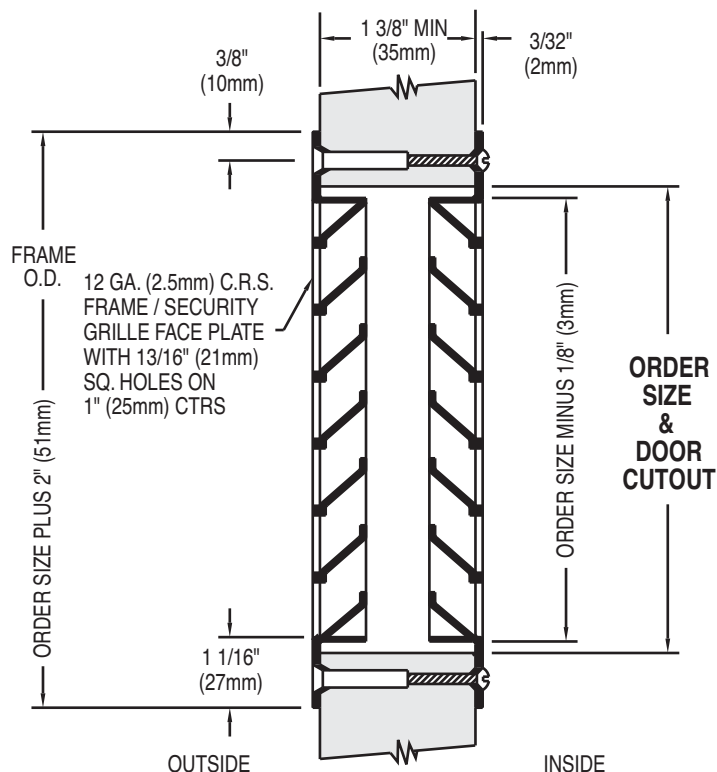
Florida Building Code  
Hurricane Approval  
FILE #FL11757

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.

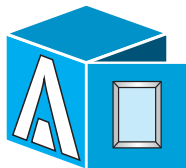
### FIRE RATINGS

- 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



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## FLDL-UL-SG1

FUSIBLE LINK LOUVER WITH  
SECURITY GRILLE ONE SIDE

### FIRE RATINGS



UNDERWRITERS'  
LABORATORIES

**B.S.-476.22**  
British Standard

### HURRICANE RATINGS

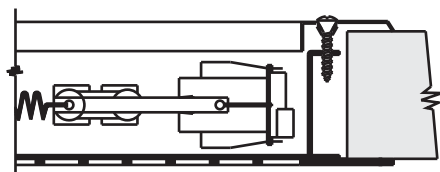


UNDERWRITERS'  
LABORATORIES  
**FILE #R26087**

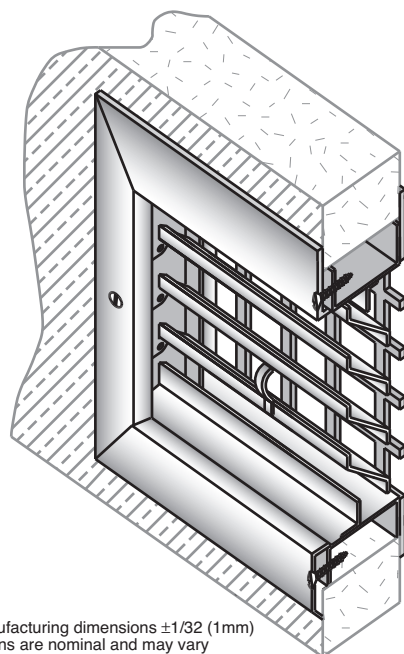


Florida  
Building Code  
Hurricane  
Approval  
**FILE #FL11757**

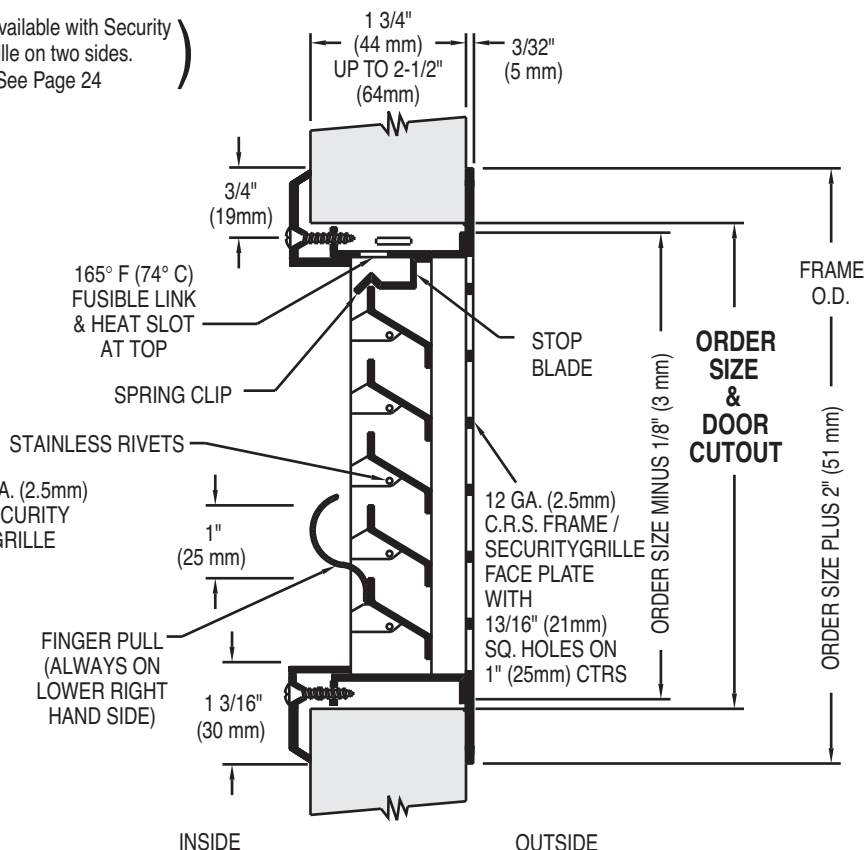
### DETAIL DRAWING



(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

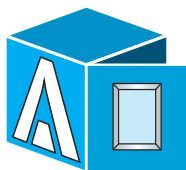
- 20/45/60/90 MINUTE:** Approved listing - max width 24" (610mm), max height 24" (610mm) min width 10" (254mm), min height 6" (152mm)

**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



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## FLDL-UL-SG2

FUSIBLE LINK LOUVER WITH  
SECURITY GRILLE TWO SIDES

### FIRE RATINGS



UNDERWRITERS'  
LABORATORIES

**B.S.-476.22**  
British Standard

### HURRICANE RATINGS

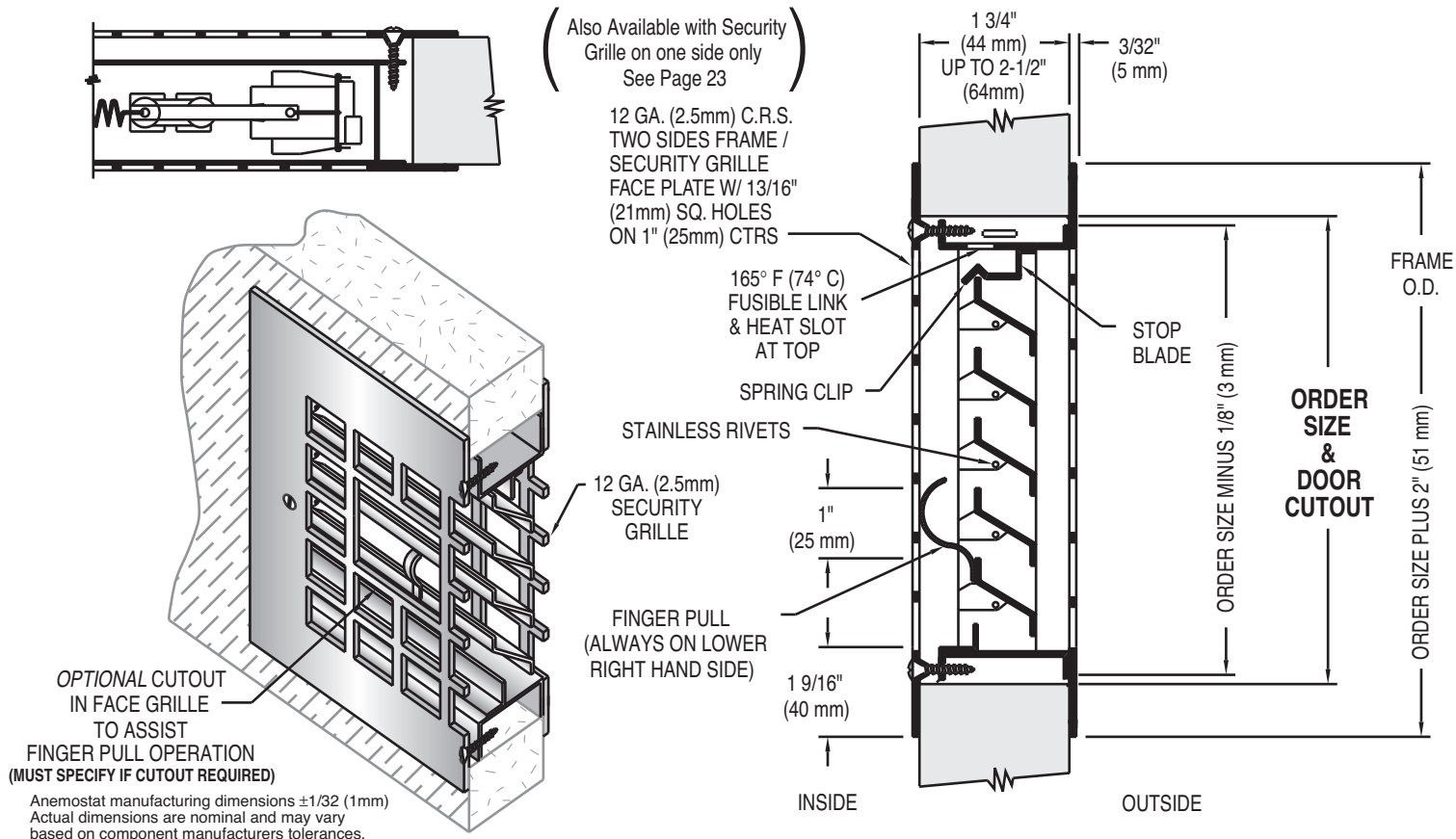


UNDERWRITERS'  
LABORATORIES  
FILE #R26087



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

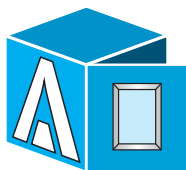
- 20/45/60/90 MINUTE:** Approved listing - max width 24" (610mm), max height 24" (610mm) min width 10" (254mm), min height 6" (152mm)

**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)

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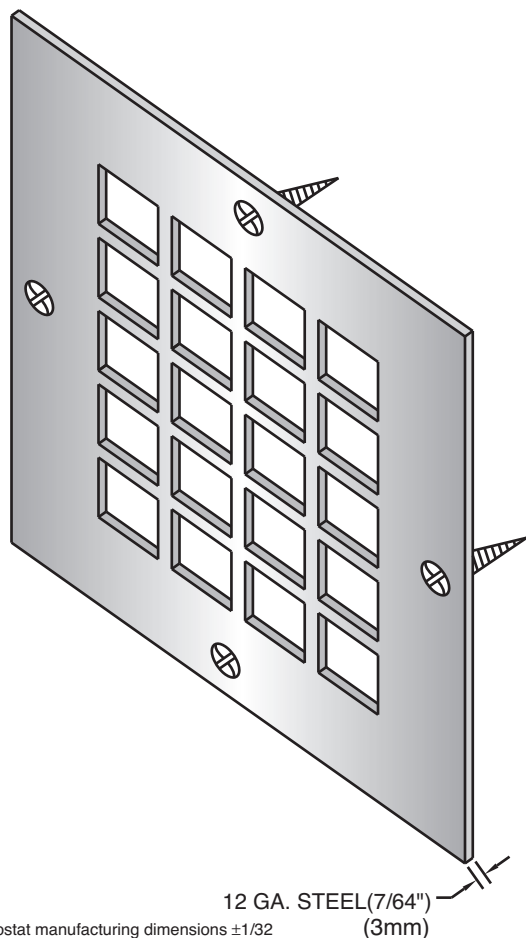
e-mail: [door@anemostat.com](mailto:door@anemostat.com) • website: [www.anemostat.com](http://www.anemostat.com)

## DSFP

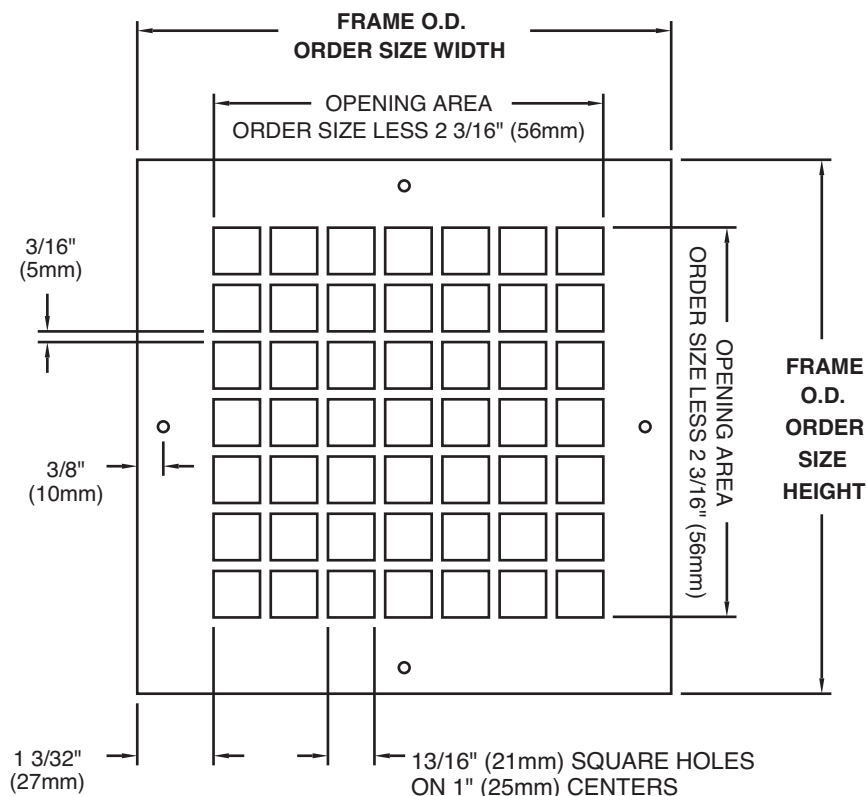
SECURITY GRILLE  
FACE PLATE

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

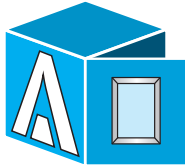
- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Hot Dipped or Zinc Plated). 10 gauge or 7 gauge.
- **FINISH:** Custom Baked Enamel Colors (as per sample chip, supplied by customer).
- **FASTENERS:** Special Security Screw Fasteners, See Page 26, this section.
- **SPECIALS:** 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



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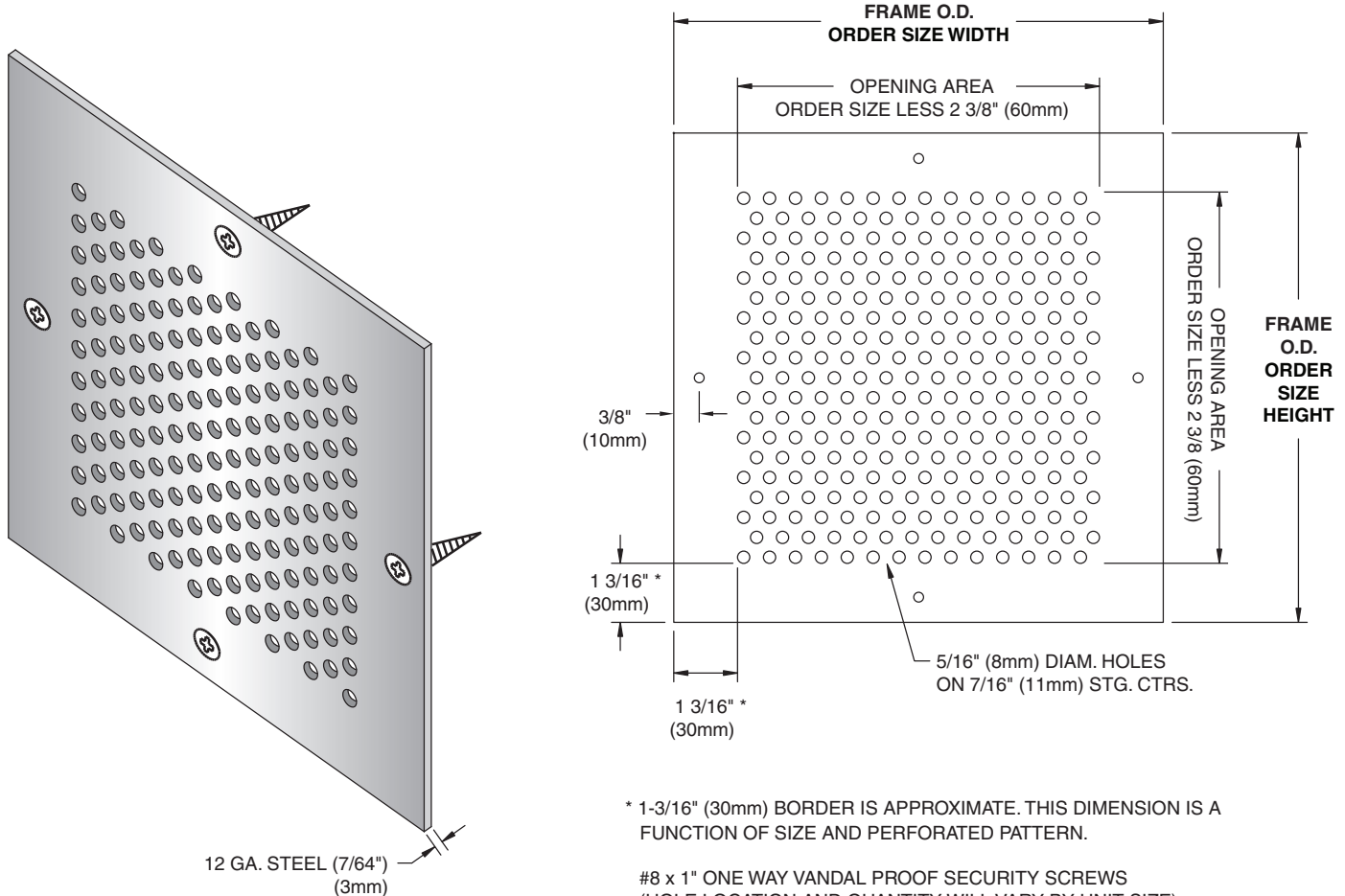
e-mail: [door@anemostat.com](mailto:door@anemostat.com) • website: [www.anemostat.com](http://www.anemostat.com)

## 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

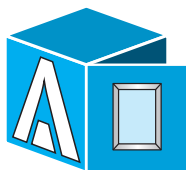
- **MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Hot Dipped or Zinc Plated). 10 gauge or 7 gauge.
- **FINISH:** Special order Baked Enamel Colors (as per sample chip, supplied by customer).
- **FASTENERS:** Special Security Screw Fasteners Available.
- **SPECIALS:** Fractional 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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## FASTENERS

FOR  
SECURITY VISION FRAMES  
AND  
SECURITY DOOR LOUVERS

### DETAIL DRAWING

#### STANDARD



ONE WAY VANDAL  
PROOF SECURITY SCREW

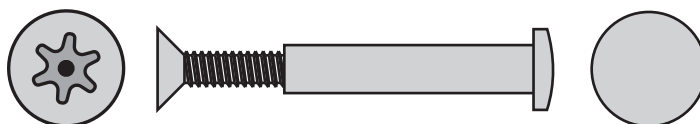
#8X1" USED FOR: DSFP, FLDL-UL-SG1, FLDL-UL-SG2

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

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



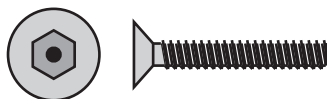
#8X32 THRU BOLT, BLANK ONE END  
USED FOR ALL MODELS: SG-10, SG-12,  
SL-IS, FGS, PLSL AND BR-7



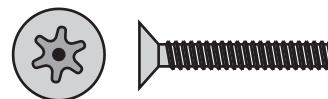
1/4"X20 THRU BOLT BLANK ONE END-MEETS ASTM F-1450-97  
(MUST SPECIFY): SG-10, BR-7, SG-12-SP, SG-10-SP, SG-12-LSC

#### OPTIONAL SECURITY FASTENERS\*

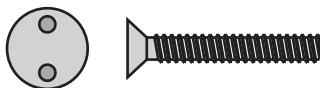
(Available on all Security Products)



PINNED FLAT HEAD CAP SCREW  
(TAMPER RESISTANT HEX SOCKET)



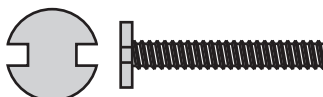
TORX FLAT HEAD SOCKET  
SECURITY SCREW



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.

Job Name & Location	Submitted by